

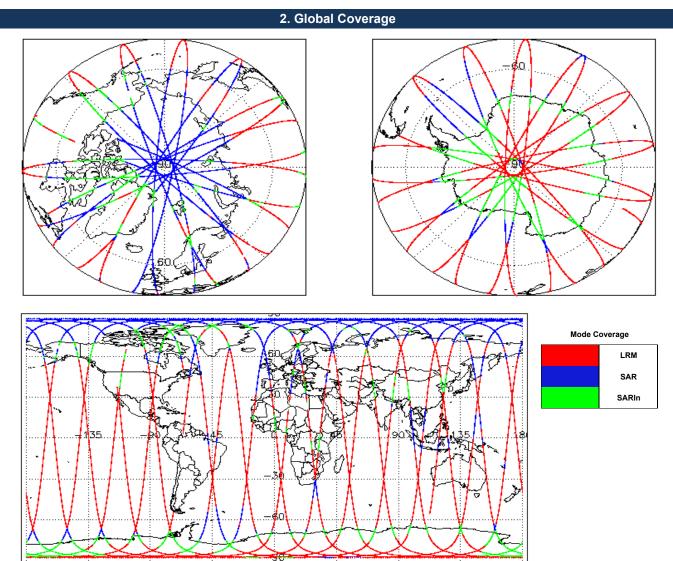
QA4EO Daily Report for GOP data:

<u>11/02/2020</u>

12 Mar 2020	Check	L1 & L2	P2P		
12-1011-2020	Server check: science-pds.cryosat.esa.int	Nominal	Nominal		
CrucSet Occer Brasseer	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal		
CryoSal Ocean Processor	Product Software Check	Nominal	Nominal		
Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal		
L1B, L2 & P2P Science Data	L1B, L2 & P2P Science Data	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 and 5.5	See Section 6.5		
	Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6		
	Ocean Retracking Quality Check	See Section 5.7	See Section 6.7		
		12-Mar-2020 Server check: science-pds.cryosat.esa.int CryoSat Ocean Processor Server check: calval-pds.cryosat.esa.int Geophysical Ocean Products (GOP) Product Format Check L1B, L2 & P2P Science Data Product Format Check Auxiliary Data File Usage Check Auxiliary Data File Usage Check Auxiliary Correction Error Check Measurement Confidence Data Check Range, SWH & Backscatter Measurement Check Range, SWH & Backscatter Measurement Check	12-Mar-2020 Server check: science-pds.cryosat.esa.int Nominal CryoSat Ocean Processor Server check: calval-pds.cryosat.esa.int Nominal Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data Product Format Check Nominal Auxiliary Data File Usage Check Nominal Auxiliary Correction Error Check See Section 5.4 Measurement Confidence Data Check See Section 4.5, 4.6 and 5.5 Range, SWH & Backscatter Measurement Check See Section 5.6		

1. Overview

Mission / Instrument News		
10-Feb-2020	None	
11-Feb-2020	None	
12-Feb-2020	SIRAL unavailability on 12-Feb-2020 from 09:17:05 to 09:53:54 due to an unplanned platform anomaly.	



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	SPH in order to identify any inconsistencie	s and/or errors raised by the ground-segment processing chain.
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B OSARIn chains. A modification is required in the next release.	GOPR and GOPN products because the I	Ib_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-	determined baseline and also to check the	validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag for each measurement record.	The bit value of this flag indicates any pro	blems when set.
Number of products with errors: 0		
4.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag for each measurement	ent record. The bit value of this flag indicate	es any problems when set.
Attitude Correction Missing: This flag is currently set in error for GOPR produce	cts due to a configuration issue. This is bei	ing investigated and will be updated in the next SW update.
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20200211T010625_20200211T014018_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20200211T034409_20200211T041156_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200211T110250_20200211T111827_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200211T112029_20200211T112952_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200211T000418_20200211T000548_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200211T114653_20200211T114803_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200211T114917_20200211T115101_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200211T231547_20200211T231815_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200211T052005_20200211T052204_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200211T074106_20200211T074312_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200211T194615_20200211T194648_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200211T194828_20200211T195133_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200211T203111_20200211T203220_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200211T223417_20200211T224057_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200211T231156_20200211T231547_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

5.2 L2 Product Header Analysis

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

Number of products with errors:

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 Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.

> Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.

> Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200210T235956_20200211T000136_C001	GPD Wet Tropospheric Correction	There is an error with the GPD Wet Tropospheric correction for one or more records

CS_OFFL_SIR_GOPM_2_20200211T014232_20200211T014323_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPM_2_20200211T024523_20200211T031418_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20200211T115519_20200211T115554_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPM_2_20200211T151834_20200211T154658_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20200211T233519_20200211T234451_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T000251_20200211T000418_C001	GPD Wet Tropospheric Correction	There is an error with the GPD Wet Tropospheric correction for one or more records
CS_OFFL_SIR_GOPN_2_20200211T000418_20200211T000548_C001	GPD Wet Tropospheric Correction	There is an error with the GPD Wet Tropospheric correction for one or more records
CS_OFFL_SIR_GOPN_2_20200211T000641_20200211T000854_C001	GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T005305_20200211T005500_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T010147_20200211T010625_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T014323_20200211T014717_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T023315_20200211T023545_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T024307_20200211T024450_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T042204_20200211T042339_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T055212_20200211T055326_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T060104_20200211T060219_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T073126_20200211T073248_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T073757_20200211T074106_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20200211T091215_20200211T091457_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T091700_20200211T092228_C001	GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T100751_20200211T100813_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T105133_20200211T105409_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T110111_20200211T110250_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T114653_20200211T114803_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T114917_20200211T115101_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T122858_20200211T123217_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T132611_20200211T133200_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T140859_20200211T141047_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T141900_20200211T142122_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T150617_20200211T150654_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T172832_20200211T173206_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T190750_20200211T191109_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T191621_20200211T191746_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records

CS_OFFL_SIR_GOPN_2_20200211T195833_20200211T195949_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T205524_20200211T205632_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T213750_20200211T213901_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200211T223226_20200211T223417_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPN_2_20200211T231547_20200211T231815_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_GOPR_2_20200211T000136_20200211T000251_C001	GPD Wet Tropospheric correction	There is an error with the GPD Wet Tropospheric correction for one or more records
CS_OFFL_SIR_GOPR_2_20200211T000549_20200211T000641_C001	GPD Wet Tropospheric correction	There is an error with the GPD Wet Tropospheric correction for one or more records
CS_OFFL_SIR_GOPR_2_20200211T000854_20200211T001544_C001	GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20200211T014717_20200211T015236_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_20200211T032529_20200211T033531_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_20200211T050347_20200211T051046_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_20200211T052205_20200211T052204_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20200211T064056_20200211T064849_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_20200211T064849_20200211T065013_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_20200211T082036_20200211T082747_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_20200211T082747_20200211T083211_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_20200211T100222_20200211T100639_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_20200211T100639_20200211T100751_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_20200211T114016_20200211T114450_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_20200211T114450_20200211T114653_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_20200211T131948_20200211T132610_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_20200211T150133_20200211T150617_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_20200211T163823_20200211T164817_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_0FFL_SIR_GOPR_2_20200211T181922_20200211T182714_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_20200211T195949_20200211T200742_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_20200211T213901_20200211T214615_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_20200211T231815_20200211T232520_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors: 1

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200211T010625_20200211T014018_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (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.

CS_OFFL_SIR_GOPM_2_20200211T003354_20200211T003637_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags has et for one or more records. CS_OFFL_SIR_GOPM_2_20200211T003816_20200211T003247_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have for one or more records. CS_OFFL_SIR_GOPM_2_20200211T01625_20200211T014018_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have for one or more records. CS_OFFL_SIR_GOPM_2_20200211T01625_20200211T014018_C001 Ocean Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, COOG Backscatter Quality, COOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, COOG Backscatter Quality, COOG Backscatter Quality, OCOG Backscatter Quality, COOG Backscatter Quality, COOG Backscatter Quality, COOG Altimeter Range and Backscatter Quality, COOG Backscatter Quality, COOG Altimeter Range, SSHA, SWH and Backscatter Quality, COOG Backscatter Quality, COOG Altimeter Range, COOD Altimeter Range, SSHA, SWH and Backscatter Quality, COOG Altimeter Range, and Backscatter Quality, COOG Altimeter Range, and Backscatter Quality, COOG Altimeter Range, COOD Altimeter Range, SSHA, SWH and Backscatter Quality, COOG Altimeter Range, COOD Altimeter Range, SSHA, SWH and Backscatter	ve been (Flags ve been ve been
CS_OFFL_SIR_GOPM_2_20200211T003816_20200211T005247_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_GOPM_2_20200211T005500_20200211T005959_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_GOPM_2_20200211T010625_20200211T014018_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The OCean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_GOPM_2_20200211T015422_20200211T0120213_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality The OCean Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_GOPM_2_20200211T020814_20200211T022946_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The OCean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have for one or more recor	ve been veen set vFlags ve been ve been ve been ve been ve been ve been ve been ve been
CS_OFFL_SIR_GOPM_2_20200211T0003500_20200211T0003509_C0011 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20200211T010625_20200211T014018_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_GOPM_2_20200211T015422_20200211T020213_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCean Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_GOPM_2_20200211T020814_20200211T022946_C001 Ocean Altimeter Range, 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, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have for one or more records. CS_OFFL_SIR_GOPM_2_20200211T023545_20200211T023916_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been ve been ve been ve been ve been ve been ve been ve been ve been
CS_OFFL_SIR_GOPM_2_20200211T010625_20200211T014018_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records.CS_OFFL_SIR_GOPM_2_20200211T015422_20200211T020213_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.CS_OFFL_SIR_GOPM_2_20200211T020814_20200211T022946_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.The OCCG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.CS_OFFL_SIR_GOPM_2_20200211T022950_20200211T023252_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.CS_OFFL_SIR_GOPM_2_20200211T023545_20200211T023916_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCCG Altimeter Range and Backscatter Quality Flags have for one or more records.CS_OFFL_SIR_GOPM_2_20200211T023545_20200211T023916_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCCG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been veen set v Flags ve been ve been veen set ve been
CS_OFFL_SIR_GOPM_2_202002111013422_202002111020213_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_202002111020814_202002111022946_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_GOPM_2_202002111022950_202002111023252_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality set for one or more records. CS_OFFL_SIR_GOPM_2_202002111023545_202002111023916_C001 Ocean Altimeter Range Quality, OCOG Backscatter Quality. The Ocean Altimeter Range and Backscatter Quality Flags have for one or more records.	/ Flags ve been / Flags ve been / Flags ve been
CS_OFFL_SIR_GOPM_2_20200211T020814_20200211T022946_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been v Flags ve been veen set v Flags ve been
CS_OFFL_SIR_GOPM_2_20200211T022950_20200211T023252_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records. CS_OFFL_SIR_GOPM_2_20200211T023545_20200211T023916_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	ve been been set v Flags ve been
Backscatter Quality for one or more records.	/ Flags ve been
	ve been
CS_OFFL_SIR_GOPM_2_20200211T024523_20200211T031418_C001 Altimeter Range, ASHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has Set for one or more records.	Flags
CS_OFFL_SIR_GOPM_2_20200211T034409_20200211T041156_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags has been been been been been been been bee	
CS_OFFL_SIR_GOPM_2_20200211T041328_20200211T041830_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	een set
CS_OFFL_SIR_GOPM_2_20200211T041837_20200211T042204_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	een set
CS_OFFL_SIR_GOPM_2_20200211T042512_20200211T045944_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has been been been been been been been bee	
CS_OFFL_SIR_GOPM_2_20200211T052534_20200211T053222_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has been been been been been been been bee	
CS_OFFL_SIR_GOPM_2_20200211T053556_20200211T054142_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Cocod Altimeter Range and Backscatter Quality Flags have for one or more records.	een set
CS_OFFL_SIR_GOPM_2_20200211T054516_20200211T055143_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has been been been been been been been bee	
CS_OFFL_SIR_GOPM_2_20200211T055326_20200211T055901_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	een set
CS_OFFL_SIR_GOPM_2_20200211T060434_20200211T063815_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has been been been been been been been bee	
CS_OFFL_SIR_GOPM_2_20200211T071133_20200211T073110_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has been been been been been been been bee	
CS_OFFL_SIR_GOPM_2_20200211T073248_20200211T073756_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	een set
CS_OFFL_SIR_GOPM_2_20200211T074312_20200211T081803_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags has the or more records.	
CS_OFFL_SIR_GOPM_2_20200211T084234_20200211T084655_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has been been been been been been been bee	
CS_OFFL_SIR_GOPM_2_20200211T084750_20200211T090527_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has been been been been been been been bee	
CS_OFFL_SIR_GOPM_2_20200211T092346_20200211T094013_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags ha Set for one or more records. The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags ha Set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200211T094113_20200211T094306_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has been been been been been been been bee	
CS_OFFL_SIR_GOPM_2_20200211T094558_20200211T095308_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags has been been been been been been been bee	
CS_OFFL_SIR_GOPM_2_20200211T101302_20200211T103100_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has been for one or more records.	

CS_OFFL_SIR_GOPM_2_20200211T103216_20200211T104605_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_20200211T105719_20200211T110110_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_20200211T110250_20200211T111827_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_20200211T112029_20200211T112952_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_20200211T114803_20200211T114916_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_20200211T115747_20200211T120916_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_20200211T122506_20200211T122857_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_20200211T123217_20200211T124012_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_20200211T124200_20200211T125733_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_20200211T133433_20200211T134410_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_20200211T134431_20200211T140821_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_20200211T141047_20200211T141257_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_20200211T141320_20200211T141900_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_0FFL_SIR_GOPM_2_20200211T142122_20200211T144654_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_20200211T151834_20200211T154658_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_20200211T155256_20200211T155728_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_20200211T160011_20200211T162824_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_20200211T165244_20200211T172604_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_20200211T173206_20200211T173740_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_0FFL_SIR_GOPM_2_20200211T173904_20200211T174525_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_20200211T181635_20200211T181814_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_20200211T183138_20200211T190555_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_20200211T191110_20200211T191621_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_20200211T191801_20200211T193803_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_20200211T200944_20200211T203110_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_20200211T203220_20200211T204342_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_20200211T204807_20200211T205108_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_20200211T205719_20200211T212625_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_20200211T212640_20200211T213345_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_20200211T213523_20200211T213750_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_20200211T215250_20200211T220046_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_20200211T220528_20200211T220720_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_20200211T220723_20200211T222308_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_20200211T222449_20200211T223007_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_20200211T223026_20200211T223226_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_20200211T224057_20200211T225342_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_20200211T225556_20200211T230742_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_20200211T231040_20200211T231155_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_20200211T233519_20200211T234451_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_20200211T234726_20200212T000227_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_20200211T033531_20200211T033547_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_20200211T100151_20200211T100221_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_20200211T114917_20200211T115101_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_20200211T195833_20200211T195949_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_20200211T204502_20200211T204807_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_20200211T024450_20200211T024523_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_20200211T065949_20200211T070323_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_20200211T100032_20200211T100151_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_20200211T140821_20200211T140858_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_20200211T195133_20200211T195833_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_20200211T214841_20200211T215250_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

> OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20200211T000251_20200211T000418_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_20200211T000418_20200211T000548_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_20200211T000641_20200211T000854_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_0FFL_SIR_GOPN_2_20200211T010147_20200211T010625_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_20200211T014323_20200211T014717_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_20200211T020410_20200211T020738_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_20200211T023315_20200211T023545_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_20200211T024307_20200211T024450_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_20200211T042204_20200211T042339_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_20200211T053223_20200211T053556_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_20200211T055212_20200211T055326_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_20200211T055902_20200211T060055_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_20200211T063906_20200211T063920_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Attimeter Range, SSHA, SWH 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_20200211T064038_20200211T064055_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_20200211T073126_20200211T073248_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_20200211T091700_20200211T092228_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_20200211T105609_20200211T105719_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_20200211T114653_20200211T114803_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_20200211T114917_20200211T115101_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_20200211T130706_20200211T131059_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_20200211T132611_20200211T133200_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_20200211T140859_20200211T141047_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_0FFL_SIR_GOPN_2_20200211T141900_20200211T142122_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_20200211T144655_20200211T144808_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_20200211T144844_20200211T145049_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_20200211T150059_20200211T150132_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_20200211T151116_20200211T151239_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_20200211T151514_20200211T151826_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_20200211T154829_20200211T155009_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_20200211T155120_20200211T155256_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_20200211T164817_20200211T165244_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_20200211T173740_20200211T173855_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_20200211T182714_20200211T182805_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_20200211T182959_20200211T183124_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_20200211T191621_20200211T191746_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_20200211T193803_20200211T194121_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_20200211T195833_20200211T195949_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_20200211T205524_20200211T205632_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_20200211T222308_20200211T222449_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_20200211T233142_20200211T233519_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_20200211T000136_20200211T000251_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_20200211T002929_20200211T003354_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_20200211T003637_20200211T003816_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_20200211T014019_20200211T014232_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_20200211T014717_20200211T015236_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_20200211T032529_20200211T033531_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_20200211T050310_20200211T050347_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_20200211T050347_20200211T051046_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_20200211T052005_20200211T052204_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_20200211T063935_20200211T064038_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_20200211T064056_20200211T064849_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_20200211T064849_20200211T065013_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_20200211T065423_20200211T065747_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_20200211T065949_20200211T070323_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_20200211T081803_20200211T081920_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_20200211T082036_20200211T082747_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_20200211T082747_20200211T083211_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_20200211T092229_20200211T092346_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_20200211T095308_20200211T095800_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_20200211T100222_20200211T100639_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_20200211T100639_20200211T100751_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_20200211T104605_20200211T105133_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_20200211T111827_20200211T112029_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_20200211T114016_20200211T114450_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_20200211T114450_20200211T114653_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_20200211T115101_20200211T115519_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_20200211T115555_20200211T115747_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_20200211T125927_20200211T130354_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_20200211T130358_20200211T130549_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_20200211T131948_20200211T132610_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_20200211T133200_20200211T133412_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_20200211T145726_20200211T145945_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_20200211T150133_20200211T150617_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_20200211T163823_20200211T164817_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_20200211T181922_20200211T182714_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_20200211T190555_20200211T190750_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_20200211T194828_20200211T195133_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_20200211T195133_20200211T195833_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_20200211T195949_20200211T200742_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_20200211T204343_20200211T204502_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_20200211T213901_20200211T214615_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.

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CS_OFFL_SIR_GOPR_2_20200211T214841_20200211T215250_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_20200211T225415_20200211T225556_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_20200211T230743_20200211T231040_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_20200211T231156_20200211T231547_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_20200211T231815_20200211T232520_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, where are several common flags raised in the Level 2 products, where the several common flags raised in the several common flags raised in the Level 2 products, where the several common flags raised in	nich are summarised below.			
> 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for pro				
Number of products with errors: 185				
5.8 L2 Ocean Retracking Quality Check				
L2 Retracking Flags (20Hz)				
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measure	-			
Ocean Retracking Quality Flag: This flag is currently set for products over land a	and sea ice, but this is to be expected. The i	number of products with this error flag set is given below.		
Number of products with errors: 56				
L2 Retracking Flags (20Hz, PLRM)				
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM m				
Ocean Retracking Quality Flag (PLRM): This flag is currently set for products G	OPR and GOPN products over sea ice, but	this is to be expected.		
Number of products with errors: 139				
6. GOP L2	Pole-to-Pole Data Quality	/ Check		
6.1 P2P Product Format Check				
6.1 P2P Product Format Check				
6.1 P2P Product Format Cneck Each product, retrieved and unpacked from the science server, is checked to ensure the science server. Number of products with errors: 0	ure it consists of both an XML header file (.H	IDR) and a NetCDF product file (.nc).		
Each product, retrieved and unpacked from the science server, is checked to ensu	ure it consists of both an XML header file (.F	IDR) and a NetCDF product file (.nc).		
Each product, retrieved and unpacked from the science server, is checked to ensu Number of products with errors: 0	ure it consists of both an XML header file (.F	IDR) and a NetCDF product file (.nc).		
Each product, retrieved and unpacked from the science server, is checked to ensu Number of products with errors: 0				
Each product, retrieved and unpacked from the science server, is checked to ensu Number of products with errors: 0 6.2 P2P Product Header Analysis				
Each product, retrieved and unpacked from the science server, is checked to ensure the science server server the science server s				
Each product, retrieved and unpacked from the science server, is checked to ensure the science server the scien	PH in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.		
Each product, retrieved and unpacked from the science server, is checked to ensure the science server. Backed to ensure the science server server the science server ser	PH in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.		
Each product, retrieved and unpacked from the science server, is checked to ensure the science server the scien	PH in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.		
Each product, retrieved and unpacked from the science server, is checked to ensure the science server. Backed to ensure the science server server the science server ser	PH in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.		
Each product, retrieved and unpacked from the science server, is checked to ensure the science server server the science server the science server the science server the science server se	PH in order to identify any inconsistencies an etermined baseline and also to check the val	nd/or errors raised by the ground-segment processing chain.		
Each product, retrieved and unpacked from the science server, is checked to ensure the science server server the science server the science server server the science server the science server ser	PH in order to identify any inconsistencies an etermined baseline and also to check the val ed for the default error value (32767). Level 2 products which are expected due	nd/or errors raised by the ground-segment processing chain. idity of Auxiliary Data Files is correct.		
Each product, retrieved and unpacked from the science server, is checked to ensure Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and Si Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-defined Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are checked Currently, there are some common auxiliary correction errors raised in the L	PH in order to identify any inconsistencies an etermined baseline and also to check the val ed for the default error value (32767). Level 2 products which are expected due this test. ted over CONTINENTAL ICE: Dry Troposph	nd/or errors raised by the ground-segment processing chain. idity of Auxiliary Data Files is correct. to surface type. All common flags are summarised in the list below, neric Correction, Wet Tropospheric Correction, Inverse Barometric Correction		
Each product, retrieved and unpacked from the science server, is checked to ensure Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and Si Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-defined Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are checks Currently, there are some common auxiliary correction errors raised in the L followed by a table highlighting any additional issues which may arise form > ECMWF Meteo Corrections: Currently the following corrections are not comput and the U-Wind and V-Wind components of the ECMWF model wind vector. This	PH in order to identify any inconsistencies an etermined baseline and also to check the val ed for the default error value (32767). Level 2 products which are expected due this test. ted over CONTINENTAL ICE: Dry Troposph is a known anomaly (CRYO-COP-3) and wi	nd/or errors raised by the ground-segment processing chain. idity of Auxiliary Data Files is correct. to surface type. All common flags are summarised in the list below, heric Correction, Wet Tropospheric Correction, Inverse Barometric Correction I be resolved in a future IPF update. The affected products are not reported		
Each product, retrieved and unpacked from the science server, is checked to ensure the science of the scie	PH in order to identify any inconsistencies and etermined baseline and also to check the value ed for the default error value (32767). Level 2 products which are expected due this test. Ited over CONTINENTAL ICE: Dry Troposph is a known anomaly (CRYO-COP-3) and wite poducts over sea ice, but this is to be expected	nd/or errors raised by the ground-segment processing chain. idity of Auxiliary Data Files is correct. to surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric Correction I be resolved in a future IPF update. The affected products are not reported id.		
Each product, retrieved and unpacked from the science server, is checked to ensure Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and Si Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-defined reference of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are checked Currently, there are some common auxiliary correction errors raised in the Lefollowed by a table highlighting any additional issues which may arise from > ECMWF Meteo Corrections: Currently the following corrections are not compute and the U-Wind and V-Wind components of the ECMWF model wind vector. This in the table below. > Sea State Bias & Sea State Bias PLRM: The error value is currently set for product is checked for model wind vector. This in the table below.	PH in order to identify any inconsistencies and etermined baseline and also to check the value ed for the default error value (32767). Level 2 products which are expected due this test. Ited over CONTINENTAL ICE: Dry Troposph is a known anomaly (CRYO-COP-3) and wite poducts over sea ice, but this is to be expected	nd/or errors raised by the ground-segment processing chain. idity of Auxiliary Data Files is correct. to surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric Correction I be resolved in a future IPF update. The affected products are not reported id.		
Each product, retrieved and unpacked from the science server, is checked to ensure Number of products with errors: 0 6.2 P2P Product Header Analysis 0 For all products, a series of pre-defined checks are performed on the MPH and St Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check 0 Each product is checked for missing Data Set Descriptors with respect to a pre-defined number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check 0 For all products, the auxiliary corrections within the Geophysical Group are checked. For all products, the auxiliary corrections within the Geophysical Group are checked. For all products, the auxiliary corrections within the Geophysical Group are checked. Currently, there are some common auxiliary correction errors raised in the Lefollowed by a table highlighting any additional issues which may arise from > ECMWF Meteo Corrections: Currently the following corrections are not compute and the U-Wind and V-Wind components of the ECMWF model wind vector. This in the table below. > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over > Altimetric Wind Speed Error: The error value is currently set for products over	PH in order to identify any inconsistencies and etermined baseline and also to check the value ed for the default error value (32767). Level 2 products which are expected due this test. Ited over CONTINENTAL ICE: Dry Troposph is a known anomaly (CRYO-COP-3) and wite poducts over sea ice, but this is to be expected	nd/or errors raised by the ground-segment processing chain. idity of Auxiliary Data Files is correct. to surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric Correction I be resolved in a future IPF update. The affected products are not reported id.		
Each product, retrieved and unpacked from the science server, is checked to ensure Number of products with errors: 0 6.2 P2P Product Header Analysis 0 For all products, a series of pre-defined checks are performed on the MPH and Site Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check 0 Each product is checked for missing Data Set Descriptors with respect to a pre-defined number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check 0 For all products, the auxiliary corrections within the Geophysical Group are checked. 0 6.4 P2P Auxiliary Corrections: 0 6.4 P2P Auxiliary corrections envision auxiliary correction errors raised in the U followed by a table highlighting any additional issues which may arise form > ECMWF Meteo Corrections: Currently the following corrections are not compute and the U-Wind and V-Wind components of the ECMWF model wind vector. This in the table below. > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over Number of products with errors:	PH in order to identify any inconsistencies an etermined baseline and also to check the val ed for the default error value (32767). Level 2 products which are expected due this test. ted over CONTINENTAL ICE: Dry Tropospf is a known anomaly (CRYO-COP-3) and wi pducts over sea ice, but this is to be expected r land and sea ice, but this is to be expected	nd/or errors raised by the ground-segment processing chain. idity of Auxiliary Data Files is correct. to surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric Correction I be resolved in a future IPF update. The affected products are not reported d.		
Each product, retrieved and unpacked from the science server, is checked to ensume of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and Standard Products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-defined reproducts with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are check Currently, there are some common auxiliary correction errors raised in the L followed by a table highlighting any additional issues which may arise from > ECMWF Meteo Corrections: Currently the following corrections are not compute and the U-Wind and V-Wind components of the ECMWF model wind vector. This in the table below. > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over Number of products with errors: 30 Product 30	PH in order to identify any inconsistencies and etermined baseline and also to check the value ed for the default error value (32767). Level 2 products which are expected due this test. ted over CONTINENTAL ICE: Dry Troposph is a known anomaly (CRYO-COP-3) and will poducts over sea ice, but this is to be expected and and sea ice, but this is to be expected Test Failed GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean	nd/or errors raised by the ground-segment processing chain. idity of Auxiliary Data Files is correct. to surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric Correction I be resolved in a future IPF update. The affected products are not reported id. Description There is an error with the GPD Wet Troposheric Correction for one or more records, the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1:		

There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic

There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography (1)

for one or more records

Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2__20200211T032909_20200211T041847_C001 Topography height (solution 1) for one or more records Topography (1)

Mean Sea Surface (1), Mean Dynamic Topography (1)

Ocean Tide

Topography (1)

CS_OFFL_SIR_GOP_2_20200211T014956_20200211T023933_C001

CS_OFFL_SIR_GOP_2_20200211T023933_20200211T032909_C001

CS_OFFL_SIR_GOP_2__20200211T041847_20200211T050823_C001

QC, PPL, BBC, QOD _ 200001111000001, 20000111100010, QOD Prography (P) Prography (P) QC, PPL, BBC, QOD _ 2000011110017, 2000011110017, QOD Prography (P) Prography (P) QC, PPL, BBC, QOD _ 2000011110017, 2000011110017, QOD Prography (P) Prography (P) QC, PPL, BBC, QOD _ 200001110017, 2000011110017, QOD Prography (P) Prography (P) QC, PPL, BBC, QOD _ 200001110017, 2000011110017, QOD Prography (P) Prography (P) QC, PPL, BBC, QOD _ 2000011100107, 2000011110017, QOD Prography (P) Prography (P) QC, PPL, BBC, QOD _ 2000011100107, 2000011110017, QOD Prography (P) Prography (P) QC, PPL, BBC, QOD _ 2000011100107, 2000011110017, QOD Prography (P) Prography (P) QC, PPL, BBC, QOD _ 2000011110017, QOD Prography (P) Prography (P) Prography (P) QC, PPL, BBC, QOD _ 2000011110017, QOD Prography (P) Prography (P) Prography (P) QC, PPL, BBC, QOD _ 2000011110017, QOD Prography (P) Prography (P) Prography (P) QC, PPL, BBC, QOD _ 2000011110017, QOD Prography (P) Prography (P) Prography (P) QC, PPL, BBC, QOD _ 2000011110017, QOD Prography (P) Prography (P) Prography (P) <th></th> <th>Mean Sea Surface (1), Mean Dynamic</th> <th>There is an error with the MSS height (solution 1) and the Mean Dynamic</th>		Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic		
Science - Landon	CS_OFFL_SIR_GOP_220200211T050823_20200211T055800_C001		Topography height (solution 1) for one or more records		
Science	CS_OFFL_SIR_GOP_220200211T055800_20200211T064737_C001				
Bit Bit GOP 2, 20202111102141, 20202111102100, 0001 IPSE State (1), Mon Dynam, David Montoken (Non State (1), Mon Dynam, David Montoken (1), Montok	CS_OFFL_SIR_GOP_2_20200211T064737_20200211T073714_C001	Topography (1)	Topography height (solution 1) for one or more records		
Big Diff Capital Capita	CS_OFFL_SIR_GOP_2_20200211T073714_20200211T082650_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean	Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height		
St. OFT., SR. GOP 2. 2020211110802 2020211110804 (2001 New See Selse (1) Men Dynamic Toopaging (colutor) 1) to use more reads SG. OFT., SR. GOP 2. 2020211110804 (2000)111110617, 2000 New See Selse (1) Men Dynamic Toopaging (colutor) 1) to use more reads SG. OFT., SR. GOP 2. 2020211110804 (2000)111110617, 2000 New See Selse (1) Men Dynamic Toopaging (colutor) 1) to use more reads SG. OFT., SR. GOP 2. 2020211110804 (2000)111110617, 2000 New See Selse (1) Men Dynamic Toopaging (colutor) 1) to use more reads SG. OFT., SR. GOP 2. 2020211110804 (2000)111110617, 2000 New See Selse (1) Men Dynamic Toopaging (colutor) 1) to use more reads SG. OFT., SR. GOP 2. 20202111110617, 2000/11112040, 2001 Men See Selse (1) Men Dynamic Toopaging (colutor) 1) and the Men Dynamic Toopaging (CS_OFFL_SIR_GOP_220200211T082650_20200211T091627_C001				
Sc. OFT. SIN, COMP_CALCOUNT IN HORD_CALCOUNT IN HORD CALCOUNT IN HORD CALC	CS_OFFL_SIR_GOP_2_20200211T091627_20200211T100604_C001	Mean Sea Surface (1), Mean Dynamic	height (solution 1) and the Mean Dynamic Topography (solution 1) for one		
S2_0FT_DRIVE2000211110391_2000211110391_2000211112345_0001 Tapagraphy (1) Tapagraphy (1) Tapagraphy (1) S3_0FFT_SR_0OP_2_20202111112455_2000211112345_0001 See Sufface (1), Name Dyname Tapagraphy (1) Tapagraphy (1) Tapagraphy (1) Tapagraphy (1) S3_0FFT_SR_0OP_2_202020111112345_20002111112345_0001 Mare Sas Sufface (1), Name Dyname Tapagraphy (1) Tapagraphy	CS_OFFL_SIR_GOP_220200211T100604_20200211T105541_C001				
G9_OFTL_SR_QOP_2_2020211114517_20230211112545_C001 Trappagraphy (1) Table Science Corean Trappagraphy (1) Table Science Corean <td>CS_OFFL_SIR_GOP_220200211T105541_20200211T114517_C001</td> <td></td> <td></td>	CS_OFFL_SIR_GOP_220200211T105541_20200211T114517_C001				
SS_DFH_SR_2002	CS_OFFL_SIR_GOP_220200211T114517_20200211T123455_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height		
CS_DFL_SR_QOP_2_X000011110430_20001 Topography (s)	CS_OFFL_SIR_GOP_2_20200211T123455_20200211T132431_C001				
SS_0PFL_SR_COP_2_00000111116304_000011115044_00001115044_000001115044_000001115054_0000011116502_00001 Teopgraphy () Teopgraphy (CS_OFFL_SIR_GOP_2_20200211T132431_20200211T141408_C001				
CSUPPL_SH_GOD	CS_OFFL_SIR_GOP_2_20200211T141408_20200211T150344_C001				
CS_OFFL_SIR_GOP_2_2020021117162252_2020021117173235_20001 Topography (1) Topography (1) Topography (1) CS_OFFL_SIR_GOP_2_2020021117162252_2020021117173235_20001 Mean Sea Surface (1), Mean Dynamic Topography (1) Topography (1) CS_OFFL_SIR_GOP_2_2020021117162212_2020021117162212_20001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_2020021117162212_2020021117191149_CO01 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_2020021117191149_202002117200125_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20200211720125_202002117214039_202002117214039_2020021172405102_2020021172405102_2020021172405102_20200211724059_202002117240	CS_OFFL_SIR_GOP_2_20200211T150344_20200211T155322_C001				
CS_DFH_SIR_GOP_2_20200211T19238_20200211T182212_0001 Topography (i) Topography (i) Topography (i) CS_OFFL_SIR_GOP_2_20200211T182212_000211T182212_0001 Mean Sea Surface (1), Mean Dynamic Topography (i) There is an error with the MSS height (colution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2_20200211T18212_0000211T100125_0001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (colution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2_20200211T191149_20000211T200125_0001 Mean Sea Surface (1), Mean Dynamic Topography (i) CS_OFFL_SIR_GOP_2_20200211T191149_20000211T200125_0001 Mean Sea Surface (1), Mean Dynamic Topography height (colution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2_20200211T200125_00001 Mean Sea Surface (1), Mean Dynamic Topography height (colution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2_20200211T200125_20200211T223016_0001 Mean Sea Surface (1), Mean Dynamic Topography height (colution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2_20200211T223016_0001 Mean Sea Surface (1), Mean Dynamic Topography height (colution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2_20200211T223016_0001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (colution 1) and the Mean Dynamic Topography (1) Total Geoentric Oxid Mean Sea Surface (1), Mean Dynamic Topography height (colution 1) and the Mean Dynamic <	CS_OFFL_SIR_GOP_2_20200211T155322_20200211T164258_C001				
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Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.					
	P2P Quality Flags (1 Hz & 1Hz PLRM)				
Number of products with errors: 30					

6.8 P2P Ocean Retracking Quality Check

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

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

30

P2P Retracking Flags PLRM

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

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

Number of products with errors:

30