

## **QA4EO Daily Report for GOP data:**

<u>27/02/2020</u>

Dement Dreductions	27-Mar-2020	Check	L1 & L2	P2P
Report Production:	27-Mar-2020	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor used.	Cryosal Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
Data Useu.	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 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

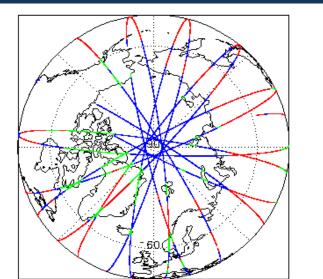
1. Overview

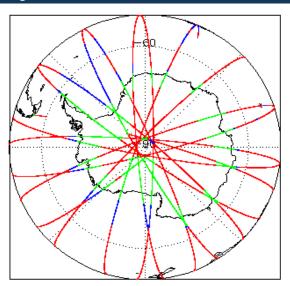
### Mission / Instrument News 26-Feb-2020 None

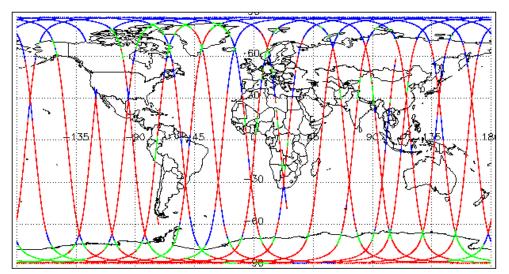
27-Feb-2020 SIRAL unavailability on 27-Feb-2020 from 15:33:44 to 17:24:24 due to a planned orbit manoeuvre.

28-Feb-2020 Nothing planned

## 2. Global Coverage











# 3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

## 4. GOP Level 1B Data Quality Check

### 4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis		
For all products, a series of pre-defined checks are performed on the MPH and		
L1B Processing Quality HR: The Tb_proc_ftag_hr ftag is currently set all L1E OSARIn chains. A modification is required in the next release. Number of products with errors: 0	3 GOPR and GOPN products beca	ause the I1b_processing_quality_hr field is not correctly configured in the OSAR and
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	d. The bit value of this flag indicate	es any problems when set.
Number of products with errors: 0		
4.5 L1B Measurement Confidence Data Check		
	and the bit of the filler of this filler	
CryoSat L1B data includes a measurement confidence flag for each measurem		
Attitude Correction Missing: This flag is currently set in error for GOPR prod Number of products with errors: 1	ucis due to a configuration issue.	This is being investigated and will be updated in the next SW update.
•		
Product	Test Failed	Description There is an error in the scaling of the L1B waveform for one or more
CS_OFFL_SIR_GOPM1B_20200227T172837_20200227T173209_C001	Power scaling error	records
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag for each measurement record	I. The bit value of this flag indicate	s any problems when set.
Loss of Echo Flag: This flag is currently set for some products over land, but	-	
Number of products with errors: 18	·	
Product CS_OFFL_SIR_GOPM1B_20200227T072351_20200227T075707_C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200227T092628_20200227T093457_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200227T182321_20200227T184607_C001	Loss of Echo	The tracking echo is missing for one or more records
CS OFFL SIR GOPN1B 20200227T053923 20200227T054235 C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200227T063043_20200227T063143_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200227T095226_20200227T095409_C001	Loss of Echo	The tracking echo is missing for one or more records
	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200227T113147_20200227T113353_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200227T130641_20200227T131140_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200227T144131_20200227T144154_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200227T193732_20200227T194025_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200227T225241_20200227T225439_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200227T225624_20200227T225839_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200227T045507_20200227T045706_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200227T105816_20200227T110005_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200227T113638_20200227T113749_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200227T193523_20200227T193731_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200227T224751_20200227T224944_C001	Loss of Echo	The tracking echo is missing for one or more records
5. GC	P Level 2 Data Qua	lity Check
5.1 L2 Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML F	neader 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 incor	sistencies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
5.3 L2 Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre	-determined baseline and also to	check the validity of Auxiliary Data Files is correct.

Number of products with errors:

### 5.4 L2 Auxiliary Correction Error Check

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

0

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

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Corection, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200227T125324_20200227T125932_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 Dynami Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPM_2_20200227T131141_20200227T131158_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20200227T214703_20200227T220341_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_20200227T004221_20200227T004547_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T012345_20200227T012736_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T013244_20200227T013322_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_20200227T022327_20200227T022502_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_20200227T044028_20200227T044148_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 Dynami Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T053234_20200227T053358_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_20200227T053923_20200227T054235_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T071821_20200227T072142_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T085257_20200227T085533_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T094811_20200227T094931_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 Dynami Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T102813_20200227T103426_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T112728_20200227T112832_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T113147_20200227T113353_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for on or more records
CS_OFFL_SIR_GOPN_2_20200227T122041_20200227T122228_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for on or more records
CS_OFFL_SIR_GOPN_2_20200227T130641_20200227T131140_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 Dynam Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T153118_20200227T153323_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1), Total Geocentric Ocean Tide (GOT), To Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Oce Tide for one or more records
CS_OFFL_SIR_GOPN_2_20200227T184805_20200227T185125_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T185647_20200227T185811_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for or or more records
CS_OFFL_SIR_GOPN_2_20200227T193732_20200227T194025_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 Dynam Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T202437_20200227T202633_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for on or more records
CS_OFFL_SIR_GOPN_2_20200227T203508_20200227T203642_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T211824_20200227T211925_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T221238_20200227T221445_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T225624_20200227T225839_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200227T234254_20200227T234440_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for on or more records
CS_OFFL_SIR_GOPR_2_20200227T012736_20200227T013244_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20200227T030428_20200227T031320_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20200227T044351_20200227T044701_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records

	1	
CS_OFFL_SIR_GOPR_2_20200227T044701_20200227T045332_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_20200227T045507_20200227T045706_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_20200227T050047_20200227T050233_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_20200227T061901_20200227T062914_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_20200227T062914_20200227T063042_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_20200227T080130_20200227T080812_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_20200227T080812_20200227T081353_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20200227T094055_20200227T094657_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_20200227T094658_20200227T094810_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_20200227T101032_20200227T101245_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_20200227T112059_20200227T112141_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_20200227T112151_20200227T112232_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_20200227T112302_20200227T112451_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_20200227T112451_20200227T112728_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_20200227T113638_20200227T113749_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_20200227T125932_20200227T130036_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20200227T130036_20200227T130641_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_20200227T144154_20200227T144702_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_20200227T174626_20200227T175028_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_20200227T175932_20200227T180806_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_20200227T194025_20200227T194811_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_20200227T211925_20200227T212509_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_20200227T225049_20200227T225241_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_20200227T225839_20200227T230337_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_20200227T230337_20200227T230523_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (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_20200227T172837_20200227T173209_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 mea	asurement record. The bit value of this flag	indicates any problems when set.			
Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.					
> Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags: These flags are currently set for some records over ocean.					
> OCOG Altimeter Range and Backscatter Quality Flags: These flags are currently set for some records over continental ice.					
Number of products with errors: 85					
Product	Test Failed	Description			

CS_OFFL_SIR_GOPM_2_20200227T001803_20200227T003330_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
---	--	--

CS_OFFL_SIR_GOPM_2_20200227T003553_20200227T004027_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_20200227T004103_20200227T004220_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_20200227T004624_20200227T011337_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_20200227T014711_20200227T020733_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_20200227T020803_20200227T021319_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_20200227T021551_20200227T021940_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_20200227T022002_20200227T022327_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_20200227T022548_20200227T025323_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_20200227T032424_20200227T035242_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_20200227T035406_20200227T035854_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_20200227T035900_20200227T040229_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_20200227T040519_20200227T044028_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_20200227T045332_20200227T045507_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_20200227T052527_20200227T052708_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_20200227T052908_20200227T053215_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_20200227T053358_20200227T053923_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_20200227T054455_20200227T060727_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_20200227T061013_20200227T061901_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_20200227T063208_20200227T063512_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_20200227T065129_20200227T071113_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_20200227T072351_20200227T075707_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_20200227T080044_20200227T080130_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_20200227T082214_20200227T084559_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_20200227T084913_20200227T084930_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_20200227T085533_20200227T085725_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_20200227T090404_20200227T092004_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_20200227T092024_20200227T092146_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_20200227T092628_20200227T093457_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_20200227T094053_20200227T094055_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_20200227T095427_20200227T101031_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_20200227T101245_20200227T102729_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_20200227T103426_20200227T103637_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_20200227T104314_20200227T105815_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_20200227T110005_20200227T111521_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_20200227T113820_20200227T114531_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_20200227T114535_20200227T114820_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_20200227T115441_20200227T120945_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_20200227T121218_20200227T122040_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_20200227T122247_20200227T124543_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_20200227T132150_20200227T134854_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_20200227T135402_20200227T135858_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_20200227T140136_20200227T140421_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_20200227T140435_20200227T142738_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_20200227T150032_20200227T152802_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_20200227T172427_20200227T172548_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_20200227T173836_20200227T174006_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_20200227T175028_20200227T175038_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_20200227T175123_20200227T175139_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_20200227T175552_20200227T175830_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_20200227T175849_20200227T175931_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_20200227T181205_20200227T182036_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_20200227T182321_20200227T184607_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.
	1	•

CS_OFFL_SIR_GOPM_2_20200227T185125_20200227T185234_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_20200227T185240_20200227T185646_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_20200227T185811_20200227T191151_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_20200227T191339_20200227T191937_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_20200227T192144_20200227T192612_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_20200227T194934_20200227T194940_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_20200227T195038_20200227T202425_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_20200227T202633_20200227T203132_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_20200227T203152_20200227T203508_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_20200227T203734_20200227T203940_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_20200227T204231_20200227T211346_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_20200227T213339_20200227T214116_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_20200227T214703_20200227T220341_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_20200227T220520_20200227T221030_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_20200227T221107_20200227T221238_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_20200227T222022_20200227T223411_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_20200227T223634_20200227T224751_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_20200227T231023_20200227T231026_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_20200227T231558_20200227T232616_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_20200227T232755_20200227T234240_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_20200227T234441_20200227T234941_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_20200227T235020_20200227T235122_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_20200227T235816_20200227T235952_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_20200227T000751_20200227T000840_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_20200227T063512_20200227T063657_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_20200227T064005_20200227T064101_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_20200227T180806_20200227T180828_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_20200227T203508_20200227T203642_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_20200227T062914_20200227T063042_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_20200227T172549_20200227T172836_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_20200227T202425_20200227T202436_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_20200227T212523_20200227T212641_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

1

## 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.

1

> 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.

71

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20200227T004221_20200227T004547_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_20200227T014234_20200227T014414_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_20200227T022327_20200227T022502_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_20200227T040230_20200227T040403_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_20200227T051337_20200227T051444_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_20200227T053234_20200227T053358_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_20200227T053923_20200227T054235_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_20200227T064005_20200227T064101_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_20200227T064819_20200227T065129_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_20200227T071821_20200227T072142_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_20200227T085257_20200227T085533_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_20200227T085725_20200227T090351_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_20200227T094811_20200227T094931_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_20200227T102813_20200227T103426_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_20200227T112232_20200227T112302_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_20200227T112909_20200227T112955_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_20200227T113147_20200227T113353_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.

Number of products with errors:

D2, DPL_DR_QOPL_2.00002711000_UD0027110200_D001     D000 Alterna (tag) (fab) Alter.     Int D000 Alterna (tag) (fab) Alter.       D2_DPL_DR_QOPL_2.00002710201_UD0027110200_D001     D000 Alterna (tag), Eds), NOT Alter D000 Alterna (tag), NOT Alter D000 Alterna (tag	CS_OFFL_SIR_GOPN_2_20200227T114945_20200227T115441_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
GB GPH, BR GOPH 2 3200227112214 3200227112228 (2014)       mit Statuster, Monite View, Mitchensen,	CS_OFFL_SIR_GOPN_2_20200227T121025_20200227T121218_C001		
COUNTLINE COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)       COUNTLINE COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)       COUNTLINE COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)       COUNTLINE COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)       COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)       COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)       COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)       COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)       COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)       COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)       COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)       COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)     COUNTLINE CLAURED (1991)	CS_OFFL_SIR_GOPN_2_20200227T122041_20200227T122228_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_BB_OFFL_2_8000227119384_2000227119386_200027119386_200027119386_200027119386_200027119386_200027119386_200027119386_200027119386_200027119386_200027119386_200027119386_200027119386_200027119386_200027119386_200027119386_200027119386_200027119386	CS_OFFL_SIR_GOPN_2_20200227T124718_20200227T125106_C001		
CB_OFFL_SR_OOPK_2_3020227T144583_2020227T14518_0001       DOG Allineter Range Cuality FURM       The COCOD Annue Region and Exclusionate Cuality Fung there there is a for ore or	CS_OFFL_SIR_GOPN_2_20200227T130641_20200227T131140_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Contruction Contruction         COCC Generation         Increments           Cold Derived Renge County P. RM.         The COCC Renge and Badacatter County Plags have been ast for one or more records.           Cold Derived Renge County P. RM.         The COCC Renge and Badacatter County Plags have been ast for one or more records.           Cold Derived Renge County P. RM.         The COCC Renge and Badacatter County Plags have been ast for one or more records.           Cold Derived Renge County P. RM.         The COCC Renge and Badacatter County Plags have been ast for one or more records.           Cold Derived Renge County P. RM.         The COCC Renge and Badacatter County Plags have been sait for one or more records.           Cold Derived Renge County Plags have been sait for one or more records.         COCCA Bandeer Renge County Plags have been sait for one or more records.           Cold Derived Renge County Plags have been sait for one or more records.         COCCA Bandeer Renge County Plags have been sait for one or more records.           Cold Derived Renge County Plags have been sait for one or more records.         COCCA Bandeer Renge County Plags have been sait for one or more records.           Cold Derived Renge County Plags have been sait for one or more records.         COCCA Bandeer Renge County Plags have been sait for one or more records.           Cold Derived Renge County Plags have been sait for one or more records.         COCCA Bandeer Renge County Plags have been sait for one or more records.           Cold Derived Renge County Plags have been sait for one or more records.	CS_OFFL_SIR_GOPN_2_20200227T134958_20200227T135118_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCCEL_SIN_COPPL_2.60002271176319_20202277176319_20201         DCCG Backscatter Quility         mini records.           CS_OFFL_SIN_COPPL_2.222002271176319_20202277176319_2020277176319_20201         DCCG Altimeter Range Quility P,RML         The DCCG Range and Backscatter Quility Flags have latent set for one or more records.           CS_OFFL_SIN_COPPL_2.222002271176319_20202277176319_202002277176319_202002277176319_202002277176319_202002277176319_202002277176319_202002277176319_202002277176319_202002277176319_202002277176319_202002277176319_202002277176319_202002277176319_202002277176319_20200227718631_20201         The DCCG Altimeter Range Quility P,RML         The DCCG Range and Backscatter Quility Flags have latent set for one or more records.           CS_OFFL_SIN_COPPL_2.222002277176349_20200227718631_2001         DCCG Altimeter Range Quility P,RML         The DCCG Range and Backscatter Quility Flags have latent set for one or more records.           CS_OFFL_SIN_COPPL_2.22000227718631_2001         DCCG Altimeter Range Quility P,RML         The DCCG Range and Backscatter Quility Flags have latent set for one or more records.           CS_OFFL_SIN_COPPL_2.22000227718031_2001         DCCG Altimeter Range Quility P,RML         The DCCG Range and Backscatter Quility Flags have latent set for one or more records.           CS_OFFL_SIN_COPPL_2.220002277118038_2001         DCCG Altimeter Range Quility P,RML         The OCCG Range and Backscatter Quility Flags have latent set for one or more records.           CS_OFFL_SIN_COPPL_2.22000227721408_2000227721407         DCCG Altimeter Range Quility P,RML         The OCCGR Range and Backscatter Quility Flags have latent set fo	CS_OFFL_SIR_GOPN_2_20200227T142738_20200227T142921_C001		
OCCG Basescater Gually     even records.     CCCG Basescater Gually     Even records.     Even records.     CCCG Basescater Gually     Even records.	CS_OFFL_SIR_GOPN_2_20200227T173209_20200227T173331_C001		
Dig_DPPL_Site_CODP_U2_00000271117500_0001         DOOD Backscatter Quality         more records.           CS_OFFL_Site_COPN_2_20000227116418_0200027116512_0001         DOOD Allmeter Range Quality PLRM.         The OCOD Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_Site_COPN_2_20000227116612_0001         DOOD Allmeter Range Quality PLRM.         The OCOD Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SITE_COPN_2_20000227116612_0001         DOCD Allmeter Range Quality PLRM.         The OCOD Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SITE_GOPN_2_20000227116612_0001         DOCD Allmeter Range Quality PLRM.         The OCOD Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SITE_GOPN_2_20000227116502_00000277116204_0001         DOCD Allmeter Range Quality PLRM.         The OCOOR Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SITE_GOPN_2_200002271163732_20000227116202_0001         DOCD Allmeter Range Quality PLRM.         The OCOOR Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SITE_GOPN_2_200002271211621_0001         DOCD Allmeter Range Quality PLRM. OCOOR Allmeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SITE_GOPN_2_200002271211621_0001         DOCD Allmeter Range Cuality Flags have been set for one or more records.           CS_OFFL_SITE_GOPN_2_2020002271211621_0001         DOCD Allmeter	CS_OFFL_SIR_GOPN_2_20200227T173812_20200227T173836_C001		
Corpert_SiR_SOLPU_2/2000/22711946_00.0001711/5146_00.00002271185125_0001         OCCO & Alimeter Ramp Quality PLRM.         The OCCO & Alimeter Ramp Autor Ramps And Rescarder Quality PLRM.           OS_OFFL_SIR_GOPN_2_202002271185125_0001         OCCO & Alimeter Ramps Quality PLRM.         The OCCO & Alimeter Ramps BSHA_SWH and Backscarder Quality PLRM.           OS_OFFL_SIR_GOPN_2_20200227119312_202002271192144_C001         OCCO & Alimeter Ramps Quality PLRM.         The OCCO & Ramps and Backscarder Quality Flags have been set for one or more records.           OS_OFFL_SIR_GOPN_2_202002271191038_202002271192144_C001         OCCO & Alimeter Ramps Quality PLRM.         The OCCO Ramps and Backscarder Quality Flags have been set for one or more records.           OS_OFFL_SIR_GOPN_2_202002271191038_202002271192144_C001         OCCO & Alimeter Ramps Quality PLRM.         The OCCO Ramps and Backscarder Quality Flags have been set for one or more records.           OS_OFFL_SIR_GOPN_2_202002271191038_2020022711914025_C001         OCCO A Alimeter Ramps Quality PLRM.         The OCCO Ramps and Backscarder Quality Flags have been set for one or more records.           OS_OFFL_SIR_GOPN_2_202002271211824_202002271211825_C001         OCCO A Alimeter Ramps QUALITY PLRM. COCO Ramps and Backscarder Quality Flags have been set for one or more records.           OS_OFFL_SIR_GOPN_2_202002271211824_C001         OCCO A Alimeter Ramps QUALITY PLRM. COCO Ramps and Backscarder Quality Flags have been set for one or nore records.           OS_OFFL_SIR_GOPN_2_202002271211824_C001         Alimeter Ramps QUALITY PLRM. COCO Ramps and Backscarder Quality Flags have been set for one	CS_OFFL_SIR_GOPN_2_20200227T175038_20200227T175107_C001		
D_CPTSIR_GOPH_2_202002271195647_202002271195541_0001         OCOO Backscetter Quality Flags         The Ocean Attimeter Range, SSHA, SWH and Backscetter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPH_2_202002271195647_20200227119514_0001         OCOO Attimeter Range and Backscetter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPH_2_20200227119578_202002271192144_0001         OCOO Attimeter Range Quality PLRM.         The OCOO Range and Backscetter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPH_2_202002271191787a2_2020022711914025_O001         OCOO Attimeter Range Quality PLRM.         The OCOO Range and Backscetter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPH_2_202002271211005_20200227121160_0001         OCEA Attimeter Range, SSHA, SWH and Backscetter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPH_2_20200227121106_20200227121100_0001         Ocean Attimeter Range, SSHA, SWH and Backscetter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPH_2_20200227121106_0001         Ocean Attimeter Range, SSHA, SWH and Backscetter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPH_2_20200227121102_0001         Ocean Attimeter Range, SSHA, SWH and Backscetter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPH_2_202002271211824_200002271211826_0001         Ocean Attimeter Range, SSHA, SWH and Backscetter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPH_2_202002271211824_0001         <	CS_OFFL_SIR_GOPN_2_20200227T175146_20200227T175209_C001		
GS_OFFL_SIR_GOPN_2_20200227T185847_20200227T185811_C001       and Backscatter Quality FLRM, COCG       induces and Backscatter Quality FLRM, COCG         GS_OFFL_SIR_GOPN_2_20200227T191388_20200227T192144_C001       OCCG Altimeter Range Quality FLRM, COCG       induces and Backscatter Quality FLRM, COCG         GS_OFFL_SIR_GOPN_2_20200227T191383_20200227T192144_C001       OCCG Altimeter Range Quality FLRM, COCG Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Qua	CS_OFFL_SIR_GOPN_2_20200227T184805_20200227T185125_C001		
DS_OPEL_SIR_GOPN_2_202002271193732_202002271194025_C001       OCOG Backscater Quality       The OCOG Range and Backscater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_202002271211408_202002271211510_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20200227121184_202002271211510_C001       OCOG Altimeter Range, SSHA, SWH and Backscater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20200227121184_202002271211825_C001       OCOG Altimeter Range, SSHA, SWH and Backscater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_202002271221238_202002271221445_C001       OCOG Altimeter Range, SSHA, SWH and Backscater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_202002271221238_202002271221445_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_202002271221589_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_202002271221589_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_202002271221589_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_202002271011337_202002271011633_C001       OCOG Altimeter Range Quality PLRM, OCOG Range	CS_OFFL_SIR_GOPN_2_20200227T185647_20200227T185811_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20200227T211408_20200227T211510_C001       OCC6 Backscatter Quality       more records.         CS_OFFL_SIR_GOPN_2_20200227T211408_20200227T21150_C001       Ocean Altimeter Range, SSHA, SWH       more decords.         CS_OFFL_SIR_GOPN_2_20200227T211824_20200227T211925_C001       Ocean Altimeter Range, SSHA, SWH       more records.         CS_OFFL_SIR_GOPN_2_20200227T211824_20200227T211925_C001       Ocean Altimeter Range, SSHA, SWH       more records.         CS_OFFL_SIR_GOPN_2_20200227T21238_20200227T221445_C001       Ocean Altimeter Range, SSHA, SWH       more records.         CS_OFFL_SIR_GOPN_2_20200227T221238_20200227T221445_C001       Ocean Altimeter Range, SSHA, SWH       more records.         CS_OFFL_SIR_GOPN_2_20200227T221238_20200227T221445_C001       Ocean Altimeter Range Quality PLRM, OceAn Altimeter Range, SSHA, SWH       more records.         CS_OFFL_SIR_GOPN_2_20200227T225624_20200227T225639_C001       Ocean Altimeter Range Quality PLRM, OceA Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T231543_20200227T231558_C001       OCCG Altimeter Range Quality PLRM, OCCG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T011337_20200227T011613_C001       OCCG Altimeter Range Quality PLRM, OCCG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T011337_20200227T011613_C001       OCCG Altimeter Range Quality PLRM, The OCCG Range and Backscatter Quality Flag	CS_OFFL_SIR_GOPN_2_20200227T191938_20200227T192144_C001		
GS_OFFL_SIR_GOPN_2_20200227T211408_20200227T211510_C001       and Backscatter Quality PLRM. OCCI       Inter Core Animeter Range and Backscatter Quality PLRM occide and Backscatter Quality PLRM. OCCIDE Animeter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Animeter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Animeter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Animeter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Animeter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Anitheter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Anitheter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Anitheter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Anitheter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Anitheter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Anitheter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Anitheter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Anitheter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Anitheter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Anitheter Range, SSHA, SWH and Backscatter Quality PLRM. OCCIDE Anitheter Range, SSHA, SWH and Backscatter Quality FLRM. OCCIDE Anitheter Range, SSHA, SWH and Backscatter Quality FLRM. OCCIDE Backscatter Quality PLRM. OCCIDE Backscatter Quality PLRM. OCCIDE Backscatter Quality PLRM. OCCIDE Backscatter Quality         CS_OFFL_SIR_GOPN_2_20200227T231545_C001       OCCIG Altimeter Range Quality PLRM. OCCIDE Backscatter Quality       The OCCID Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T011537_20200227T011613_C001       OCCIG Altimeter Range Quality PLRM. OCCID Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T0113242_20200227T015545_C001       OCC	CS_OFFL_SIR_GOPN_2_20200227T193732_20200227T194025_C001		
GS_OFFL_SIR_GOPN_2_20200227T211824_20200227T211825_0001       and Backscatter Quality Flags Nave been Althreter Range, and Backscatter Quality Flags have been PLRM       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been PLRM         GS_OFFL_SIR_GOPN_2_20200227T221238_20200227T2212445_0001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been PLRM       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been PLRM         GS_OFFL_SIR_GOPN_2_20200227T221238_20200227T221345_0001       Ocean Altimeter Range, Quality PLRM, OCOG       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         GS_OFFL_SIR_GOPN_2_20200227T221343_20200227T231558_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         GS_OFFL_SIR_GOPR_2_20200227T011837_20200227T011803_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         GS_OFFL_SIR_GOPR_2_20200227T011337_20200227T0113244_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         GS_OFFL_SIR_GOPR_2_202000227T013244_C001       OCOG Altimeter Range, SSHA, SWH	CS_OFFL_SIR_GOPN_2_20200227T211408_20200227T211510_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20200227T221238_20200227T221445_C001       and Backscatter Quality PLRM, OCOG       Inter Code Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20200227T225624_20200227T225639_C001       OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20200227T231343_20200227T231558_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20200227T000955_20200227T001803_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T011837_20200227T011613_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T011337_20200227T011613_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T011324_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T013244_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T013242_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_O	CS_OFFL_SIR_GOPN_2_20200227T211824_20200227T211925_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20200227T231343_20200227T231558_C001       OCOG Backscatter Quality       The OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20200227T000955_20200227T001803_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T011337_20200227T011613_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T011337_20200227T011613_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T011337_20200227T013244_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T013322_20200227T013545_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T013322_20200227T013545_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T013322_20200227T013545_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T013322_20200227T013545_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T01	CS_OFFL_SIR_GOPN_2_20200227T221238_20200227T221445_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_202002271231343_202002271231343_202002271231343_202002271231343_202002271231343_20200227101803_C001       OCOG Backscatter Quality       more records.         CS_OFFL_SIR_GOPR_2_20200227T000955_20200227T001803_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_20200227T011337_20200227T011613_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_20200227T012736_20200227T013244_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.       The OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T013322_20200227T013244_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       The OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T013322_20200227T013545_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T025521_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T031340_20200227T031340_20200227T031340_20200227T031340_20200227T031340_20200227T031340_20200227T031340_20200227T031340_20200227T031340_20200227T031340_20200227T031340_20200227T031	CS_OFFL_SIR_GOPN_2_20200227T225624_20200227T225839_C001		
CS_OFFL_SIR_GOPR_2_202002271000995_202002271001803_C001       OCOG Backscatter Quality       more records.         CS_OFFL_SIR_GOPR_2_20200227T011337_20200227T011613_C001       OCOG Backscatter 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_20200227T012736_20200227T013244_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T013322_20200227T013545_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T013322_20200227T013545_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T025323_20200227T025521_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T025323_20200227T025521_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T031640_20200227T031612_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20200227T231343_20200227T231558_C001		
CS_OFFL_SIR_GOPR_2_20200227T012736_20200227T013244_C001       OCOG Backscatter Quality       more records.         CS_OFFL_SIR_GOPR_2_20200227T012736_20200227T013244_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T013322_20200227T013545_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T025323_20200227T025521_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T025323_20200227T025521_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T031340_20200227T031612_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20200227T000955_20200227T001803_C001		
CS_OFFL_SIR_GOPR_2_20200227T012736_20200227T013244_C001       and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM       Ind Bockscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality       Ind Bockscatter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T013322_20200227T013545_C001       OCOG Altimeter Range Quality OCOG Backscatter Quality       The OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20200227T025323_20200227T025521_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_20200227T025323_20200227T025521_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_20200227T011337_20200227T011613_C001		
CS_OFFL_SIR_GOPR_2_20200227T015322_20200227T015345_C001       OCOG Backscatter Quality       more records.         CS_OFFL_SIR_GOPR_2_20200227T025523_20200227T025521_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_20200227T031340_20200227T031612_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20200227T012736_20200227T013244_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_202002271025323_202002271025521_C001 OCOG Backscatter Quality more records.	CS_OFFL_SIR_GOPR_2_20200227T013322_20200227T013545_C001		
	CS_OFFL_SIR_GOPR_2_20200227T025323_20200227T025521_C001		
	CS_OFFL_SIR_GOPR_2_20200227T031340_20200227T031612_C001		

CS_OFFL_SIR_GOPR_2_20200227T044701_20200227T045332_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_20200227T061901_20200227T062914_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_20200227T075738_20200227T075838_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_20200227T080130_20200227T080812_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_20200227T080812_20200227T081353_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_20200227T084930_20200227T085257_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_20200227T093611_20200227T093719_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_20200227T094055_20200227T094657_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_20200227T094658_20200227T094810_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_20200227T112151_20200227T112232_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_20200227T112955_20200227T113146_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_20200227T130036_20200227T130641_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_20200227T132003_20200227T132150_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_20200227T174626_20200227T175028_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_20200227T175237_20200227T175438_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_20200227T175932_20200227T180806_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_20200227T193524_20200227T193731_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_20200227T194025_20200227T194811_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_20200227T211925_20200227T212509_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 Attimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20200227T212909_20200227T213150_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_20200227T214116_20200227T214556_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_20200227T221445_20200227T222022_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_20200227T223411_20200227T223634_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_20200227T225049_20200227T225241_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_20200227T225439_20200227T225623_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_20200227T225839_20200227T230337_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_20200227T230337_20200227T230523_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_20200227T232616_20200227T232755_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
L2 Quality Flags (1 Hz & 1Hz PLRM)         Currently, there are several common flags raised in the Level 2 products, wh         > 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for prod         Number of products with errors:       172         5.8 L2 Ocean Retracking Quality Check		l.
· · ·		
L2 Retracking Flags (20Hz)	mant second. The bit velue of this flow india	
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	-	
Number of products with errors: 52		number of products with this often hag beens given below.
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 GO Number of products with errors: 130	JPR and GOPN products over sea ice, but	this is to be expected.
Number of products with errors: 130		
6. GOP L2 I	Pole-to-Pole Data Quality	/ Check
C.4. DOD Draduct Format Chask		
6.1 P2P Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensu	re it consists of both an XML header file (.	HDR) and a NetCDF product file (.nc).
Number of products with errors: 0		
6.2 P2P Product Header Analysis		
For all products, a series of pre-defined checks are performed on the MPH and SF Number of products with errors: 0	H in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.
6.3 P2P Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre-de	termined baseline and also to check the va	alidity of Auxiliary Data Files is correct.
Number of products with errors: 0		
6.4 P2P Auxiliary Correction Error Check		
·	d far the defends arrange (00707)	
For all products, the auxiliary corrections within the Geophysical Group are checked	a for the default error value (32767).	e to surface type. All common flags are summarised in the list below,
Currently, there are some common auxiliary correction errors raised in the L followed by a table highlighting any additional issues which may arise from the source of the		
	t <b>his test.</b> ed over CONTINENTAL ICE: Dry Troposp	heric Corection, Wet Tropospheric Correction, Inverse Barometric
followed by a table highlighting any additional issues which may arise from the > ECMWF Meteo Corrections: Currently the following corrections are not compute Correction and the U-Wind and V-Wind components of the ECMWF model wind vertice to the the the table of	this test. ed over CONTINENTAL ICE: Dry Troposp actor. This is a known anomaly (CRYO-CC	heric Corection, Wet Tropospheric Correction, Inverse Barometric IP-3) and will be resolved in a future IPF update. The affected products are
followed by a table highlighting any additional issues which may arise from the second	this test. ed over CONTINENTAL ICE: Dry Troposp ector. This is a known anomaly (CRYO-CO ducts over sea ice, but this is to be expect	heric Corection, Wet Tropospheric Correction, Inverse Barometric IP-3) and will be resolved in a future IPF update. The affected products are ed.
followed by a table highlighting any additional issues which may arise from the second	this test. ed over CONTINENTAL ICE: Dry Troposp ector. This is a known anomaly (CRYO-CO ducts over sea ice, but this is to be expect	heric Corection, Wet Tropospheric Correction, Inverse Barometric IP-3) and will be resolved in a future IPF update. The affected products are ed.
followed by a table highlighting any additional issues which may arise from the second	this test. ed over CONTINENTAL ICE: Dry Troposp ector. This is a known anomaly (CRYO-CO ducts over sea ice, but this is to be expect	heric Corection, Wet Tropospheric Correction, Inverse Barometric IP-3) and will be resolved in a future IPF update. The affected products are ed.
followed by a table highlighting any additional issues which may arise from the second sec	this test. ed over CONTINENTAL ICE: Dry Troposp ector. This is a known anomaly (CRYO-CC ducts over sea ice, but this is to be expect land and sea ice, but this is to be expected	heric Corection, Wet Tropospheric Correction, Inverse Barometric IP-3) and will be resolved in a future IPF update. The affected products are ed.
followed by a table highlighting any additional issues which may arise from the second sec	this test. ed over CONTINENTAL ICE: Dry Troposp ector. This is a known anomaly (CRYO-CO ducts over sea ice, but this is to be expect land and sea ice, but this is to be expected Test Failed Mean Sea Surface (1), Mean Dynamic	heric Corection, Wet Tropospheric Correction, Inverse Barometric (P-3) and will be resolved in a future IPF update. The affected products are ed. d. Description There is an error with the MSS height (solution 1) and the Mean Dynamic
followed by a table highlighting any additional issues which may arise from the second sec	this test. ed over CONTINENTAL ICE: Dry Troposp ector. This is a known anomaly (CRYO-CO ducts over sea ice, but this is to be expect land and sea ice, but this is to be expected <b>Test Failed</b> Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	heric Corection, Wet Tropospheric Correction, Inverse Barometric IP-3) and will be resolved in a future IPF update. The affected products are ed. d. Description 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
followed by a table highlighting any additional issues which may arise from the second sec	this test. ed over CONTINENTAL ICE: Dry Troposp ector. This is a known anomaly (CRYO-CO ducts over sea ice, but this is to be expected land and sea ice, but this is to be expected <b>Test Failed</b> Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1)	heric Corection, Wet Tropospheric Correction, Inverse Barometric (P-3) and will be resolved in a future IPF update. The affected products are ed. d. <b>Description</b> There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
followed by a table highlighting any additional issues which may arise from the second	this test. ed over CONTINENTAL ICE: Dry Troposp ector. This is a known anomaly (CRYO-CO ducts over sea ice, but this is to be expected land and sea ice, but this is to be expected <b>Test Failed</b> Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	heric Corection, Wet Tropospheric Correction, Inverse Barometric (P-3) and will be resolved in a future IPF update. The affected products are ed. d. Description There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
followed by a table highlighting any additional issues which may arise from the second	this test. ed over CONTINENTAL ICE: Dry Troposp ector. This is a known anomaly (CRYO-CO ducts over sea ice, but this is to be expected and and sea ice, but this is to be expected <b>Test Failed</b> Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean	heric Corection, Wet Tropospheric Correction, Inverse Barometric (P-3) and will be resolved in a future IPF update. The affected products are ed. d. <b>Description</b> There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
followed by a table highlighting any additional issues which may arise from the second	this test. ed over CONTINENTAL ICE: Dry Troposp ector. This is a known anomaly (CRYO-CO ducts over sea ice, but this is to be expect land and sea ice, but this is to be expected <b>Test Failed</b> Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic	heric Corection, Wet Tropospheric Correction, Inverse Barometric (P-3) and will be resolved in a future IPF update. The affected products are ed. d. <b>Description</b> There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
followed by a table highlighting any additional issues which may arise from the SECMWF Meteo Corrections: Currently the following corrections are not compute Correction and the U-Wind and V-Wind components of the ECMWF model wind version of reported 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: 26 Product CS_OFFL_SIR_GOP_2_20200227T004046_20200227T013025_C001 CS_OFFL_SIR_GOP_2_20200227T013025_20200227T030938_C001 CS_OFFL_SIR_GOP_2_20200227T030938_20200227T030938_C001 CS_OFFL_SIR_GOP_2_20200227T030938_20200227T035914_C001 CS_OFFL_SIR_GOP_2_20200227T035914_20200227T044852_C001 CS_OFFL_SIR_GOP_2_20200227T044852_20200227T053827_C001	this test. ed over CONTINENTAL ICE: Dry Troposp actor. This is a known anomaly (CRYO-CO ducts over sea ice, but this is to be expected and and sea ice, but this is to be expected <b>Test Failed</b> Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	heric Corection, Wet Tropospheric Correction, Inverse Barometric (P-3) and will be resolved in a future IPF update. The affected products are ed. d. <b>Description</b> There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
followed by a table highlighting any additional issues which may arise from the second	this test. ed over CONTINENTAL ICE: Dry Troposp actor. This is a known anomaly (CRYO-CO ducts over sea ice, but this is to be expected land and sea ice, but this is to be expected <b>Test Failed</b> Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	heric Corection, Wet Tropospheric Correction, Inverse Barometric (P-3) and will be resolved in a future IPF update. The affected products are ed. d.

CS\_OFFL\_SIR\_GOP\_2\_\_20200227T085654\_20200227T094633\_C001

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

CS_OFFL_SIR_GOP_2_20200227T094633_20200227T103608_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20200227T103608_20200227T112546_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200227T112546_20200227T121521_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200227T121521_20200227T130500_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20200227T130500_20200227T135435_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20200227T135435_20200227T144413_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200227T144413_20200227T153348_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20200227T171302_20200227T180241_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200227T180241_20200227T185216_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200227T185216_20200227T194154_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20200227T194154_20200227T203129_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200227T203129_20200227T212108_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200227T212108_20200227T221042_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200227T221042_20200227T230021_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200227T230021_20200227T234956_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

#### 6.5 P2P Measurement Confidence Data Check

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

1

### Number of products with errors:

### 6.6 P2P Measurement Quality Flag Check P2P Quality Flags (20Hz) CryoSat P2P data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products. Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected. Number of products with errors: 28 P2P Quality Flags (20Hz PLRM) Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected. Number of products with errors: 25 P2P Quality Flags (1 Hz & 1Hz PLRM) Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected. Number of products with errors: 27 6.8 P2P Ocean Retracking Quality Check P2P Retracking Flags (20Hz) Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. Ocean Retracking Quality Flag (PLRM): This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected. Number of products with errors: 24

Number of products with errors.

#### P2P Retracking Flags PLRM

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

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

28

Number of products with errors: