

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

<u>15/01/2021</u>

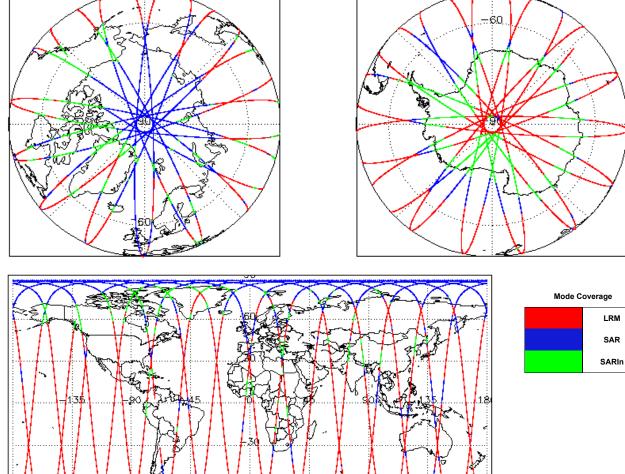
		Check	L1 & L2	P2P
Report Production:	16-Feb-2021	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	Cruce Cat Occore Drassage	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Usea:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Deta Usadi	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
Data Used: L1B, L2 & P2P Science Data	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1, 7.2 and 7.

1. Overview

Mission / Instr	Mission / Instrument News		
14-Jan-2021	None		
15-Jan-2021	None		
16-Jan-2021	Nothing planned		

2. Global Coverage





# 3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

0

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

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).

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4.2 L1B Product Header Analysis	4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SF	PH in order to identify any inconsistencies	and/or errors raised by the ground-segment processing chain.			
For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B GOPR and GOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and DSARIn chains. A modification is required in the next release.					
Number of products with errors: 0					
4.3 L1B Auxilary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with respect to a pre-de	termined baseline and also to aback the w	slidity of Auviliany Data Filos is correct			
Number of products with errors: 0		andry of Advinary Data Files is confect.			
4.4 L1B Auxiliary Correction Error Check					
CryoSat L1B data includes a correction error flag for each measurement record. T	he bit value of this flag indicates any proble	ems when set.			
Number of products with errors: 0	5 51				
4.5 L1B Measurement Confidence Data Check					
CryoSat L1B data includes a measurement confidence flag for each measurement	t record. The bit value of this flag indicates	any problems when set.			
Attitude Correction Missing: This flag is currently set in error for GOPR products	s due to a configuration issue. This is being	investigated and will be updated in the next SW update.			
Number of products with errors: 1					
Product	Test Failed	Description			
CS_OFFL_SIR_GOPM1B_20210115T090332_20210115T092723_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records			
4.6 L1B Waveform Group Data Check					
CryoSat L1B data includes a waveform data flag for each measurement record. Th	ne bit value of this flag indicates any proble	ems when set.			
Loss of Echo Flag: This flag is currently set for some products over land, but this	is to be expected.				
Number of products with errors: 22					
Product	Test Failed	Description			
CS_OFFL_SIR_GOPM1B_20210115T011326_20210115T011447_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPM1B_20210115T025541_20210115T025708_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPM1B_20210115T065608_20210115T071042_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPM1B_20210115T074551_20210115T074816_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPM1B_20210115T154711_20210115T161301_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20210115T062406_20210115T062659_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20210115T071940_20210115T072547_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20210115T080126_20210115T080543_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20210115T112841_20210115T112855_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20210115T125650_20210115T125823_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20210115T144733_20210115T144804_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20210115T171843_20210115T172033_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20210115T200045_20210115T200206_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20210115T225543_20210115T225625_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20210115T235604_20210115T235730_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20210115T011550_20210115T011617_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20210115T030006_20210115T030719_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20210115T030827_20210115T031817_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20210115T080544_20210115T081240_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20210115T143625_20210115T143847_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20210115T162812_20210115T163037_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20210115T170242_20210115T170940_C001	Loss of Echo	The tracking echo is missing for one or more records			
5. GOP Level 2 Data Quality Check					
5.1 L2 Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).					
Number of products with errors: 0					

## 5.2 L2 Product Header Analysis

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

# 5.4 L2 Auxiliary Correction Error Check

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

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

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

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

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

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Providence	T	Description
Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20210114T235653_20210115T000135_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T003706_20210115T004043_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T013818_20210115T014009_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_20210115T021630_20210115T021948_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T022500_20210115T022625_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_20210115T030719_20210115T030827_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T040406_20210115T040513_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_20210115T044631_20210115T044744_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T054110_20210115T054258_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T062406_20210115T062659_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T071940_20210115T072547_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T080126_20210115T080543_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T085018_20210115T085249_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_20210115T085915_20210115T090225_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_20210115T094018_20210115T094406_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T104003_20210115T104120_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_20210115T134915_20210115T135040_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_20210115T135601_20210115T135908_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T152859_20210115T153124_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T153502_20210115T153834_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T170941_20210115T171215_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T180450_20210115T180611_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_GOPN_2_20210115T184512_20210115T185101_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T194420_20210115T194631_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T202707_20210115T202849_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_20210115T203729_20210115T203932_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_20210115T212334_20210115T212822_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210115T234617_20210115T235011_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Tota Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records

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CS_OFFL_SIR_GOPN_2_20210115T235604_20210115T235730_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_20210115T012807_20210115T013555_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_20210115T030827_20210115T031817_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_20210115T044744_20210115T045458_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_20210115T062700_20210115T063420_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_20210115T080544_20210115T081240_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_20210115T094407_20210115T095243_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_20210115T112100_20210115T112840_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_20210115T130034_20210115T130654_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_20210115T130654_20210115T130951_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_20210115T143850_20210115T144553_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_20210115T144554_20210115T144732_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_20210115T162004_20210115T162451_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_20210115T162452_20210115T162618_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_20210115T175759_20210115T180335_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_20210115T180336_20210115T180450_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_20210115T194018_20210115T194106_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_20210115T194106_20210115T194420_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_20210115T195016_20210115T195110_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPR_2_20210115T211637_20210115T212334_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_20210115T225836_20210115T230402_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

### 5.5 L2 Measurement Confidence Data Check

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

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210115T090332_20210115T092723_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

# 5.6 L2 Measurement Quality Flag Check

#### L2 Quality Flags (20Hz)

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

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210115T000135_20210115T003414_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_20210115T004043_20210115T004620_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_20210115T004759_20210115T005404_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_20210115T012521_20210115T012646_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_20210115T014012_20210115T021412_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_20210115T021948_20210115T022500_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_20210115T022658_20210115T024645_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_20210115T025831_20210115T025834_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_20210115T031818_20210115T034105_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_20210115T034118_20210115T035210_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_20210115T035720_20210115T035948_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_20210115T040005_20210115T040405_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_20210115T040558_20210115T040638_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_20210115T040747_20210115T043455_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_20210115T043511_20210115T044230_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_20210115T045908_20210115T050928_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_20210115T051545_20210115T052656_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_20210115T052754_20210115T053147_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_20210115T053330_20210115T053848_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_20210115T053854_20210115T053900_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_20210115T053907_20210115T054110_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_20210115T054951_20210115T060216_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_20210115T060438_20210115T061715_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_20210115T061852_20210115T062120_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_20210115T063538_20210115T063703_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_20210115T064401_20210115T065332_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_20210115T065608_20210115T071042_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_20210115T071256_20210115T071750_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_20210115T071824_20210115T071940_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
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CS_OFFL_SIR_GOPM_2_20210115T072631_20210115T072738_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_20210115T074551_20210115T074816_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_20210115T074940_20210115T075205_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_20210115T075214_20210115T075329_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_20210115T081831_20210115T081833_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_20210115T083313_20210115T084956_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_20210115T085249_20210115T085717_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_20210115T085739_20210115T085915_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_20210115T090332_20210115T092723_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_20210115T100338_20210115T102933_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_20210115T103113_20210115T103620_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_20210115T103639_20210115T104003_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_20210115T104235_20210115T111039_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_20210115T111204_20210115T111515_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_20210115T113858_20210115T114055_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_20210115T114057_20210115T120912_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_20210115T121059_20210115T121534_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_20210115T122258_20210115T125650_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_20210115T130952_20210115T131149_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_20210115T134043_20210115T134842_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_20210115T135041_20210115T135601_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_20210115T140143_20210115T142411_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_20210115T142657_20210115T143625_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_20210115T144834_20210115T144926_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_20210115T144933_20210115T145230_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_20210115T150820_20210115T151306_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
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B1       Disse Althout Allage, BMA, NDM       No. Althout Allage, BMA, NDM         B2       DML BML GDML 2 2019117101011 C001       Column Allage, BMA, NDM       No. Althout Allage, BMA, NDM         B3       DML BML GDML 2 2019117101011 C001       Column Allage, BMA, NDM       No. Althout Allage, BMA, NDM         B3       DML BML GDML 2 2019117101011 C001       Column Allage, BMA, NDM       No. Allage, BMA, NDM         B3       DML BML GDML 2 2019117101011 C001       Column Allage, BMA, NDM       No. Allage, BMA, NDM         B3       DML BML GDML 2 2019117101021 C001       Column Allage, BMA, NDM       No. Allage, BMA, NDM         B3       DML BML GDML 2 201911711110211       Column Allage, BMA, NDM       No. Allage, BMA, NDM, NDM, NDM, NDM, NDM, NDM, NDM, NDM			
Description         Description         Description         Description         Description           city         percent sets         description         descripti	CS_OFFL_SIR_GOPM_2_20210115T151454_20210115T152635_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GB (FFE, SFE GOPM 2.2010116716412.30210167174121.0001         Availability, GOOM         Availability, GOO         Availability, GOOM         Availability, GOOM         Availability, GOO         Availability, GOOM         Availabili	CS_OFFL_SIR_GOPM_2_20210115T153124_20210115T153501_C001		
CS, OFL, SR, QOM, 2, 2021015110411, 2021015110421, 2021       part between funge and between funge	CS_OFFL_SIR_GOPM_2_20210115T154123_20210115T154701_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS       GPL SIRL GOVA 2 action101101212: 202101101172242 0001       pert biology display dis	CS_OFFL_SIR_GOPM_2_20210115T154711_20210115T161301_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Bit Diff. Sill, OCH L Sill, OCH L SILL         Exclusion Cuality         Exclusion Cuality         Exclusion Cuality         Exclusion Cuality           C0, OFTL SIR, COM 2, 202101151171700, 20210115117207, 2001         Dears, Allinster Range Allinster Range Sill, S	CS_OFFL_SIR_GOPM_2_20210115T163125_20210115T170241_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CSL DFL SR: COPM_2 ADJ 011511712010         Beackedier Cuality         Groupe chronometeck           CSL DFL SR: COPM_2 202101151172010_202101151172010_CODI         Cover Altinueler Range, SSR 599, 599, 599, 599, 599, 599, 599, 599	CS_OFFL_SIR_GOPM_2_20210115T171215_20210115T171408_C001		
SS_0FFL_SIR_GOPM_2_20210115T17200_0201         and Babacater Quality.COCG         and the COCGA Atmente Renge and Babacater Quality.PEgs and Babacater Quality.COCG           QS_0FFL_SIR_GOPM_2_20210115T17201_20210115T17201_2021         Cocin Atmente Renge SSIA, With and Babacater Quality.COCG         The COCGA Atmente Renge, SSIA, With and Bacacater Quality.PEgs and Babacater Quality.COCG           QS_0FFL_SIR_GOPM_2_20210115T17201_20210115T17201_20210115T17201_20210115T17201_20210115T17201_20210115T17201_20210115T17201_20210115T17201_20210115T17201_20210115T17201_20210115T17201_20210115T17201_20210115T18200_2001         Cocin Atmente Renge, SSIA, With and Babacater Quality.COCG         The COCGA Atmente Renge and Babacater Quality.PEgs and Babacater Quality.COCG           QS_0FFL_SIR_GOPM_2_20210115T18200_2001         Cocin Atmenter Renge, SSIA, With Babacater Quality.COCG         The COCGA Atmenter Renge, SSIA, With and Bacacater Quality.PEgs and Babacater Quality.COCG           QS_0FFL_SIR_GOPM_2_20210115T181104_20210115T181714_COL         Cocin Atmenter Renge, SSIA, With and Bacacater Quality.PEgs and Babacater Quality.COCG         The COCA Atmenter Renge, SSIA, With and Bacacater Quality.PEgs and Babacater Quality.COCG           QS_0FFL_SIR_GOPM_2_20210115T18114_01_20210115T18114_01_20210115T18114_01_20210115T18114_01_20210115T18114_01_20210115T18114_01_20210115T18114_01_20210115T1814501_20210115T1814_01_20210115T1814_01_20210115T1814	CS_OFFL_SIR_GOPM_2_20210115T171700_20210115T171842_C001		
CS_OFFL_SR_GOPAL_2.00101517/2012_021011517/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_02101157/2013_0210_0210_0210_0210_0210_0210_0210_	CS_OFFL_SIR_GOPM_2_20210115T172040_20210115T172707_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C5_OFT_SIR_GOPM_2_20210115T174312_20210115T1746512_0001       and Backsoater Quality, C000       and Backsoater Quality, C000         C6_OFT_SIR_GOPM_2_20210115T1810012_00010115T181704_Q001       DOCG Alimeter Range Quality, C000       The OCGO Alimeter Range and Backsoater Quality Flags have been set for end rine records.         C6_OFT_SIR_GOPM_2_20210115T18104_20210115T181704_Q001       DOCE Alimeter Range, S01A, S01H       The OCGO Alimeter Range and Backsoater Quality, Flags have been set for end rine records.         C6_OFT_SIR_GOPM_2_20210115T181614_20210115T18770_Q001       DOE Alimeter Range, S01A, S01H       The OCGO Alimeter Range and Backsoater Quality Flags have been set for end rine records.         C6_OFT_SIR_GOPM_2_20210115T181614_20210115T18770_Q001       DOE Alimeter Range, S01A, S01H       The OCGO Alimeter Range and Backsoater Quality Flags have been set for end rine records.         C6_OFT_SIR_GOPM_2_20210115T181614_20210115T18770_Q001       DOE Alimeter Range, S01A, S01H       The OCGO Alimeter Range and Backsoater Quality Flags have been set for end rine records.         C6_OFT_SIR_GOPM_2_20210115T18514_20210115T18574_Q001       DOE Alimeter Range and Solocater Quality Flags have been set for end rine records.         C6_OFT_SIR_GOPM_2_20210115T18514_20210115T18501_Q001       DOE Alimeter Range and Solocater Quality Flags have been set for end rine records.         C6_OFT_SIR_GOPM_2_20210115T18514_20210115T18504_Q001       DOCGO Alimeter Range and Backscater Quality Flags have been set for end rine records.         C6_OFT_SIR_GOPM_2_20210115T185186_Q0011       DOE Alimeter Range SUB_ANH<	CS_OFFL_SIR_GOPM_2_20210115T173717_20210115T173831_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Case, DeFL, SiR, GOPM, 2, 202101151181140, 202101151181140, 2021011         Backscatter Quality         for one or more records.           CS_OFFL_SIR_GOPM, 2, 202101151181140, 20210115118174, 20010         Ocean Atimeter Range, SSHA, SWH, and Backscatter Quality, Flags Atimeter Range and Backscatter Quality, COG Atimeter Range, SSHA, SWH, and Backscatter Quality, Flags and Backscatter Quality, COG Atimeter Range, SSHA, SWH, and Backscatter Quality, Flags and Backscatter Quality, COG Atimeter Range, SSHA, SWH, and Backscatter Quality, Flags and be COCO Atimeter Range, SSHA, SWH and Backscatter Quality, Flags and be COCO Atimeter Range, SSHA, SWH and Backscatter Quality, Flags and be COCO Atimeter Range, SSHA, SWH and Backscatter Quality, Flags and be COCO Atimeter Range, SSHA, SWH and Backscatter Quality, Flags and be COCO Atimeter Range, SSHA, SWH and Backscatter Quality, Flags and be COCO Atimeter Range and Backscatter Quality, Flags have been set for one or more records.           CS_OFFL_SIR_GOPM, 2, 202101157183355, 202101157184511_CO01         OccoA Atimeter Range Quality, OCCO Backscatter Quality, Flags have been set beckscatter Quality         The Ocean Atimeter Range and Backscatter Quality, Flags have been set for one or more records.           CS_OFFL_SIR_GOPM, 2, 202101157180502, 202101157180504, 202101157180504, 202101157180504, 202101157180504, 202101157180500, 202101157180504, 202101157180504, 202101157180500, 202101157180504, 202101157180504, 202101157180504, 202101157180504, 202101157180504, 202101157180504, 202101157180504, 202101157180504, 202101157180504, 202101157180504, 202101157190504, 202101157190504, 202101157190504, 202101157190504, 202101157190504, 202101157190504, 202101157190504, 202101157190504, 202101157190504, 202101157190504, 202101157190504, 202101157190504, 2021011571905054, 2021011157190504, 202101157190504, 202101157190504, 2021011	CS_OFFL_SIR_GOPM_2_20210115T174312_20210115T174953_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210115T181140_20210115T181734_C001 and the COCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been at the one or more records. CS_OFFL_SIR_GOPM_2_20210115T18114_20210115T182716_C001 CG_OFFL_SIR_GOPM_2_20210115T18335_20210115T184511_C001 CG_OFFL_SIR_GOPM_2_20210115T18335_20210115T184511_C001 CG_OFFL_SIR_GOPM_2_20210115T18335_20210115T188324_C001 CG_OFFL_SIR_GOPM_2_20210115T18335_20210115T188324_C001 CG_OFFL_SIR_GOPM_2_20210115T185102_20210115T188318_C001 CG_OFFL_SIR_GOPM_2_20210115T18535_20210115T188318_C001 CG_OFFL_SIR_GOPM_2_20210115T18535_20210115T188318_C001 CG_OFFL_SIR_GOPM_2_20210115T18535_20210115T188318_C001 CG_OFFL_SIR_GOPM_2_20210115T18535_20210115T188318_C001 CG_OFFL_SIR_GOPM_2_20210115T18535_20210115T188318_C001 CG_OFFL_SIR_GOPM_2_20210115T18535_20210115T188318_C001 CG_OFFL_SIR_GOPM_2_20210115T18535_20210115T188318_C001 CG_OFFL_SIR_GOPM_2_20210115T18535_20210115T188318_C001 CG_OFFL_SIR_GOPM_2_20210115T18000_20210115T190706_C001 CG_OFFL_SIR_GOPM_2_20210115T18000_20210115T190706_C001 CG_OFFL_SIR_GOPM_2_20210115T19000_20210115T190706_C001 CG_OFFL_SIR_GOPM_2_20210115T19000_20210115T19000_20210115T19000_20210115T19000_20210115T19000_20210115T19000_20210115T19000_202101	CS_OFFL_SIR_GOPM_2_20210115T180612_20210115T181023_C001		
CS_OFFL_SIR_GOPM_2_20210115T181814_20210115T182716_0001       and Backsatter Quality_OCOG       and Backsatter Quality_COGG       and Backsatter Quality_Flags have been         CS_OFFL_SIR_GOPM_2_20210115T183335_20210115T184511_0001       Ocoan Altimeter Range, SSHA, SWH and Backsatter Quality_Flags have been set       The Ocean Altimeter Range, SSHA, SWH and Backsatter Quality_Flags have been set         CS_OFFL_SIR_GOPM_2_20210115T185352_20210115T185354_C001       OCOG Altimeter Range Quality, OCOG       The OCEAN Altimeter Range and Backsatter Quality_Flags have been set         CS_OFFL_SIR_GOPM_2_20210115T185352_20210115T185354_C001       OCOG Altimeter Range Quality, OCOG       The OCEAN Altimeter Range and Backsatter Quality Flags have been set         CS_OFFL_SIR_GOPM_2_20210115T185056_20210115T190706_C001       DCOG Altimeter Range and Backsatter Quality, Flags have been set       The OCEAN Altimeter Range, SSHA, SWH and Backsatter Quality, Flags have been set         CS_OFFL_SIR_GOPM_2_20210115T190006_20210115T190706_C001       DCean Altimeter Range, SSHA, SWH and Backsatter Quality, Flags have been       The OCEAN Altimeter Range, SSHA, SWH and Backsatter Quality, Flags have been         CS_OFFL_SIR_GOPM_2_20210115T190014_20210115T191070_C001       DCean Altimeter Range, SSHA, SWH and Backsatter Quality, Flags have been       The OCEAN Altimeter Range, SSHA, SWH and Backsatter Quality, Flags have been         CS_OFFL_SIR_GOPM_2_20210115T190014_20210115T19107_C001       DCean Altimeter Range, SSHA, SWH and Backsatter Quality, Flags have been       The OCEAN Altimeter Range, SSHA, SWH and Backsatter Quality, Flags have been      <	CS_OFFL_SIR_GOPM_2_20210115T181140_20210115T181734_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210115T18335_20210115T184511_C001       and Backscatter Quality, OCOG       mb COG Altimeter Range and Backscatter Quality, Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210115T185102_20210115T185324_C001       DCOG Altimeter Range Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210115T18535_20210115T18535_20210115T18535_20210115T185518_C001       OCOG Altimeter Range Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210115T18000_20210115T190706_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.       The OCOG Altimeter Range ASHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210115T19000_20210115T190706_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.       The OCOG Altimeter Range ASHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210115T19001_20210115T19017T_0001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.       The OCOG Altimeter Range ASHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210115T19000_20210115T190170_00_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records.       The OCEAN Altimeter Range ASHA, SWH and Backscatter Quality Flags have been set for o	CS_OFFL_SIR_GOPM_2_20210115T181814_20210115T182716_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DS_OFFL_SIR_GOPM_2_202101151185182_00101         Backscatter Quality         For one or more records.           CS_OFFL_SIR_GOPM_2_20210115T185355_0210115T185818_0001         QCCGA Allimeter Range Quality, QCCG Backscatter Quality         The OCDG Allimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210115T180000_20210115T190706_C001         QCcean Allimeter Range, SSHA, SWH and Backscatter Quality, CCCG Allimeter Range, SSHA, SWH and Backscatter Quality, Flags and the CCCG Allimeter Range and Backscatter Quality, Value and the CCCG Allimeter Range, SSHA, SWH and Backscatter Quality, Value and the CCCG Allimeter Range, SSHA, SWH and Backscatter Quality, Value and the CCCG Allimeter Range, SSHA, SWH and Backscatter Quality, Value and the CCCG Allimeter Range and Backscatter Quality, Value and the CCCG Allimeter Range, SSHA, SWH and Backscatter Quality, Value and the CCCG Allimeter Range and Backscatter Quality, Value and the CCCG Allimeter Range, SSHA, SWH and Backscatter Quality, VCCG Allimeter Range and Backscatter Quality, Flags have been and the CCGG Allimeter Range, SSHA, SWH and Backscatter Quality, VCCG Allimeter Range and Backscatter Quality, Flags have been and the CCGG Allimeter Range, SSHA, SWH and Backscatter Quality, VCCGG Allimeter Range and Backscatter Quality, Flags have been and the CCGG Allimeter Range, SSHA, SWH and B	CS_OFFL_SIR_GOPM_2_20210115T183335_20210115T184511_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210115T190000_20210115T190006_C001         Backscatter Quality         for one or more records.           CS_OFFL_SIR_GOPM_2_20210115T190000_20210115T190006_C001         Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range.	CS_OFFL_SIR_GOPM_2_20210115T185102_20210115T185324_C001		
CS_OFFL_SIR_GOPM_2_20210115T190000_20210115T190706_C001       and Backscatter Quality CGG       Altimeter Range and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210115T190814_20210115T191500_C001       Cean Altimeter Range, SSHA, SWH and Backscatter Quality COGG       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210115T191800_20210115T19117_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality COGG       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210115T191800_20210115T193117_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210115T195335_20210115T195647_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210115T195819_20210115T200044_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210115T20027_20210115T20044_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210115T200458_20210115T200654_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210115T20044_2001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210115T200458_20210115T200654_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210115T200458_20210115T200654_C001       <	CS_OFFL_SIR_GOPM_2_20210115T185355_20210115T185818_C001		
CS_OFFL_SIR_GOPM_2_20210115T190814_20210115T191500_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210115T191800_20210115T193117_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210115T195335_20210115T195647_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210115T195819_20210115T200044_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20210115T190000_20210115T190706_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210115T191800_20210115T193117_C001       and Backscatter Quality, OCCG       and the OCCG Attimeter Range and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210115T195335_20210115T195647_C001       Ocean Attimeter Range, SSHA, SWH       The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210115T195819_20210115T200044_C001       Ocean Attimeter Range, SSHA, SWH       The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210115T20007_20210115T200044_C001       Ocean Attimeter Range, SSHA, SWH       The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210115T20007_20210115T200054_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210115T200458_20210115T200654_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210115T200458_20210115T200654_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210115T200947_20210115T200654_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Attimeter Range and Backscatt	CS_OFFL_SIR_GOPM_2_20210115T190814_20210115T191500_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210115T195335_20210115T195647_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210115T195819_20210115T200044_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210115T200207_20210115T20044_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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, COOG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210115T200260_20210115T203728_C001       OCCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags h	CS_OFFL_SIR_GOPM_2_20210115T191800_20210115T193117_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210115T195819_20210115T200044_C001       and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality       and the OCOG Attimeter Range and Backscatter Quality       set for one or more records.         CS_OFFL_SIR_GOPM_2_20210115T200207_20210115T200454_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags had Backscatter Quality, OCOG Attimeter Range and Backscatter Quality Flags had backscatter Quality, OCOG         CS_OFFL_SIR_GOPM_2_20210115T200842_20210115T203728_C001       OCOG Attimeter Range, Quality, OCOG Backscatter Quality       The OCOG Attimeter Range and Backscatter Quality Flags had backscatter Quality         CS_OFFL_SIR_GOPM_2_20210115T203944_20210115T210222_C001       OCCOG Attimeter Range, SSHA, SWH and Backscatter Quality Fla	CS_OFFL_SIR_GOPM_2_20210115T195335_20210115T195647_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210115T200207_20210115T200454_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPM_2_20210115T200458_20210115T200654_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPM_2_20210115T200947_20210115T203728_C001Ocean Altimeter Range Quality, OCOG Backscatter Quality, OCOGThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPM_2_20210115T203944_20210115T203244_20210115T20222_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20210115T195819_20210115T200044_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210115T200458_20210115T200654_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPM_2_20210115T200947_20210115T202604_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH 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_20210115T202850_20210115T203728_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPM_2_20210115T203944_20210115T203224_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPM_2_20210115T203944_20210115T20222_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGThe OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20210115T200207_20210115T200454_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210115T200947_20210115T202604_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210115T202850_20210115T203728_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_20210115T203944_20210115T20322_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20210115T200458_20210115T200654_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_202101151202850_202101151203728_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPM_2_20210115T203944_20210115T210222_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20210115T200947_20210115T202604_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210115T203944_20210115T210222_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20210115T202850_20210115T203728_C001	0 0	
	CS_OFFL_SIR_GOPM_2_20210115T203944_20210115T210222_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20210115T213046_20210115T220528_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_20210115T220807_20210115T220954_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_20210115T221054_20210115T221525_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_20210115T221810_20210115T222350_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_20210115T222353_20210115T224410_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_20210115T231645_20210115T234334_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_20210115T235012_20210115T235603_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_20210115T235739_20210116T001947_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_20210115T013555_20210115T013730_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_20210115T103620_20210115T103622_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_20210115T134915_20210115T135040_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_20210115T144733_20210115T144804_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_20210115T161956_20210115T162003_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_20210115T162618_20210115T162641_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
CS_OFFL_SIR_GOPN_2_20210115T185324_20210115T185355_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_20210115T224805_20210115T224911_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_20210115T034105_20210115T034117_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_20210115T075206_20210115T075214_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_20210115T130654_20210115T130951_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_20210115T131149_20210115T131229_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_20210115T142411_20210115T142657_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_20210115T143625_20210115T143847_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_20210115T145234_20210115T145554_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_20210115T174953_20210115T175010_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_20210115T193210_20210115T193246_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_20210115T211009_20210115T211019_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

#### L2 Quality Flags (20Hz PLRM)

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

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

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

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CS_OFFL_SIR_GOPN_2_20210115T003706_20210115T004043_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_20210115T010320_20210115T010513_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_20210115T013818_20210115T014009_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_20210115T021630_20210115T021948_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_20210115T024646_20210115T024958_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_20210115T030719_20210115T030827_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_20210115T040406_20210115T040513_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_20210115T044307_20210115T044429_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_20210115T053151_20210115T053329_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_20210115T062406_20210115T062659_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_20210115T064012_20210115T064401_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_20210115T071940_20210115T072547_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_20210115T075652_20210115T075815_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_20210115T080126_20210115T080543_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_20210115T085915_20210115T090225_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_20210115T093814_20210115T093936_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_20210115T094018_20210115T094406_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_20210115T095400_20210115T095530_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_20210115T095954_20210115T100338_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_20210115T111515_20210115T112100_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_20210115T113007_20210115T113053_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_20210115T120936_20210115T121059_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_20210115T125859_20210115T130034_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_20210115T134915_20210115T135040_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_20210115T152859_20210115T153124_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_20210115T153502_20210115T153834_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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cite GPL BRI GDPL 2. 201011971032, 2010187119719, C011       OCC Anter SPL SPL COCK       SPL SPL COCK Register Status Register Regist	CS_OFFL_SIR_GOPN_2_20210115T162618_20210115T162641_C001	Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
000000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20210115T163038_20210115T163125_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
UPU-DPUCUAL DUBLICACUUM ENDINGUE AND INTERFERENCE         DOCE Description Calling         pre-resords.           D1_DPUL_SPL_DPUCUAL DUBLICACUUM ENDINGUE AND INTERFERENCE         DOCE Description Calling         pre-resords.           D1_DPUL_SPL_DPUCUAL DUBLICACUUM ENDINGUE AND INTERFERENCE         DOCE Description Calling         pre-resords.           D1_DPUL_SPL_DPUCUAL DUBLICACUUM ENDINGUE AND INTERFERENCE         DOCE DEscription Calling         pre-resords.           D1_DPUL_SPL_DPUCUAL DUBLICACUUM ENDINGUE AND INTERFERENCE         DOCE DESCRIPTION CALLING CALING CALLING CALLING CALLING CALLING CALLING CALING CALLI	CS_OFFL_SIR_GOPN_2_20210115T170941_20210115T171215_C001		
Capital Conduction         Conductation         Conductation         Conductation         Conductation           Call OFFL_SR_DOPL_2_DEVINTENDER_2010115710658_0001         Conductation         The Device Offlice Conductation <td>CS_OFFL_SIR_GOPN_2_20210115T181023_20210115T181139_C001</td> <td></td> <td></td>	CS_OFFL_SIR_GOPN_2_20210115T181023_20210115T181139_C001		
CG, CFL, SR, GCPL, 2, 2021015T16518, 2021015T16528, 2021015T16528, 2021015T125020, 2021015T12502	CS_OFFL_SIR_GOPN_2_20210115T183229_20210115T183335_C001		
Dis DHL SHC SUM: 2 A0210116119306 (20210115119306 (202105119))))))))))))))))))))))))))))))))))	CS_OFFL_SIR_GOPN_2_20210115T185818_20210115T185956_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Count _ Service         Count _ Service         Intermediate         Intermediate           C5         OFTL_SR_GOPK_2.20210115T163216_20210115T163216_0021         OCCOS 88x80476 Calify (FMA, OCCO Anterest Responded Respond	CS_OFFL_SIR_GOPN_2_20210115T193914_20210115T194017_C001		
CS_CEFL_SIR_GOPN_2_202101151194242_2021011511292006_COPT       Proceedings PLIAL COCC       Proceedings PLIAL COCC         Dest Selecter County Flag       Proceedings PLIAL COCC       Proceedings PLIAL COCC       Proceedings PLIAL COCC         CS_CEFL_SIR_GOPN_2_202101151192013_2021011511292036_COPT       COCC Allinetic Range and Backwaller Cuality Flags Pliate been set for one or note resords.       The COCC Range and Backwaller Cuality Flags Pliate been set for one or note resords.         CS_CEFL_SIR_GOPN_2_20210115120006_COPT       COCC Allinetic Range Cuality PLIAL COCC       The COCC Range and Backwaller Cuality Flags Pliate been set for one or note resords.         CS_CEFL_SIR_GOPN_2_20210115120006_COPT       COCC Allinetic Range Cuality PLIAL COCC       The COCC Range and Backwaller Cuality Flags Pliate been set for one or note resords.         CS_CEFL_SIR_GOPN_2_20210115121031_20006_COPT       COCC Allinetic Range Cuality PLIAL COCC       The COCC Range and Backwaller Cuality Flags Pliate been set for one or note.         CS_CEFL_SIR_GOPN_2_20210115121031_200115121032_COPT       COCC Allinetic Range Cuality PLIAL The COCC Range and Backwaller Cuality Flags Pliate been set for one or note.         CS_CEFL_SIR_GOPN_2_20210115121033_COPT       COCC Allinetic Range Cuality PLIAL The COCC Range and Backwaller Cuality Flags Pliate been set for one or note.         CS_CEFL_SIR_GOPN_2_202101151221032_COPT       COCCG Allinetic Range Cuality PLIAL The COCC Range and Backwaller Cuality Flags Pliate been set for one or note.         CS_CEFL_SIR_GOPN_2_2021011151221032_COPT       COCCG Allinetic Range Cu	CS_OFFL_SIR_GOPN_2_20210115T194420_20210115T194631_C001		
Displant_bill_CODE_PUL_202101161120040_20210115120040_0001         OCOG Backsoater Quality         more records.           Dis_OFFL_SIR_GOPN_2_20210115120040_20210115120040_0001         Zent Banksoater Quality         The OCOG Range and Backsoater Quality Flags have been at for one or more records.           Cis_OFFL_SIR_GOPN_2_20210115120040_0001         Coord Altimete Range Quality PLRM, Coord Gardsoater Quality         The OCOG Range and Backsoater Quality Flags have been at for one or more records.           Cis_OFFL_SIR_GOPN_2_20210115120047_0001         COOG Altimeter Range Quality PLRM, Coord Backsoater Quality Flags have been at for one or more records.         The OCOG Range and Backsoater Quality Flags have been at for one or more records.           Cis_OFFL_SIR_GOPN_2_20210115122034_202101151212324_202101151212324_202101151212324_20210115122352_20001         COOG Altimeter Range Cuality PLRM, COO         The OCOG Range and Backsoater Quality Flags have been at for one or more records.           Cis_OFFL_SIR_GOPN_2_20210115122354_20210115122163_0001         COOG Altimeter Range Cuality PLRM, COO         The OCOG Range and Backsoater Quality Flags have been set for one or more records.           Cis_OFFL_SIR_GOPN_2_20210115122562_20210115122562_0001         COOG Altimeter Range Cuality PLRM, COOD         The OCOG Range and Backsoater Quality Flags have been set for one or more records.           Cis_OFFL_SIR_GOPN_2_20210115122562_20210115122562_0001         COOG Altimeter Range Cuality PLRM, COOD         The OCOG Range and Backscater Quality Flags have been set for one or more records.           Cis_OFFL_SIR_GOPN_2_20210115122561_2021	CS_OFFL_SIR_GOPN_2_20210115T194747_20210115T195016_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_GOPN_2_20210115720045_20210115720040_C001       and Baskseater Quality PLRM_C006       The docan Alimeter Range Quality PLRM_C006         GS_OFFL_SIR_GOPN_2_20210115720045_20210115720040_C001       OCOA Alimeter Range Quality PLRM_C006       The OCOO Range and Backseater Quality Flags have been set for one or more records.         GS_OFFL_SIR_GOPN_2_202101157210409_20210115721053_C001       OCOA Alimeter Range Quality PLRM_C006       The OCOO Range and Backseater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_202101157212334_20210115721053_C001       OCOA Alimeter Range Quality PLRM_C006       The OCOO Range and Backseater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_202101157221534_20210115721053_C001       OCOA Alimeter Range Quality PLRM_C006       The OCOO Range and Backseater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_202101157221532_202101157221532_202101       OCOA Alimeter Range Quality PLRM_C006       The OCOO Range and Backseater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_202101157221532_202101157221532_202101       OCOCA Alimeter Range Quality PLRM_C006       The OCOO Range and Backseater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_202101157225632_202101157225632_C001       OCOCA Alimeter Range Quality PLRM_C006       The OCOO Range and Backseater Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_202101157225632_202101157225632_C001       OCOCA Alimeter Range Quality PLRM_C006       The OCOO	CS_OFFL_SIR_GOPN_2_20210115T195213_20210115T195334_C001		
Count         Count <th< td=""><td>CS_OFFL_SIR_GOPN_2_20210115T200045_20210115T200206_C001</td><td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></th<>	CS_OFFL_SIR_GOPN_2_20210115T200045_20210115T200206_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Dis_OPE_SIR_GOPE_2_2021011512234_2021011512232_C001         OCCOG Backscatter Quality Find         Income records.           CS_OFFL_SIR_GOPE_2_2021011512234_20210115122322_C001         OCCOG Backscatter Quality Find         Income records.           CS_OFFL_SIR_GOPE_2_2021011512234_20210115122322_C001         OCCOG Alimeter Range Quality Find         Income records.           CS_OFFL_SIR_GOPE_2_20210115122035_202101151221536_0001         OCCOG Alimeter Range Quality Find         Income records.           CS_OFFL_SIR_GOPE_2_202101151225543_202101151225542_C001         OCCOG Alimeter Range Quality PLRM.         The CCCOG Range and Backscatter Quality Fings have been set for one or more records.           CS_OFFL_SIR_GOPE_2_202101151225543_202101151225542_C001         OCCCG Alimeter Range Quality PLRM.         The CCCOG Range and Backscatter Quality Fings have been set for one or more records.           CS_OFFL_SIR_GOPE_2_202101151225618_20210115102561_2	CS_OFFL_SIR_GOPN_2_20210115T200655_20210115T200947_C001		
CS_OFFL_SIR_GOPN_2_20210115T212334_02210115T212322_C001       and Backscatter Quality PLRM, CCOCG Attimeter Range and Backscatter Quality Flags have been and the construction of the cons	CS_OFFL_SIR_GOPN_2_20210115T210409_20210115T210723_C001	<b>o j</b>	
GS_OFFL_SIR_GOPN_2_20210115122058_20210115122108_C001       OCOG Backscatter Quality PLRM, CCOG Backscatter Quality PLRM, CCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, CCG Altimeter Range and Backscatter Quality PLRM, CCG Altimeter Range and Backscatter Quality PLRM, CCG Altimeter Range, SSHA, SWH and the CCG Altimeter Range and Backscatter Quality PLRM, CCG Altimeter Range and Backscatter Quality PLRM, CCG Altimeter Range and Backscatter Quality PLRM, CCGC Altimeter Range and Backscatter Quality PLRM, CCG Altimeter Range, SSHA, SWH and the CCG Altimeter Range and Backscatter Quality PLRM, CCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, CCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, CCG Altimeter Range SSHA, SWH and Backscatter Quality PLRM, CCG Altimeter Range, SSHA, SWH and Backscatt	CS_OFFL_SIR_GOPN_2_20210115T212334_20210115T212822_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_202101131221300_202101151225643_2021011512564_20210115102564_20210115102564_20210115102564_202101151012655_2001       OCGG Altimeter Range Quality PLRM, OCGG Altimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_202101151012054_202101151012655_C001       Coman Altimeter Range Quality PLRM, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_202101151012054_202101151012655_C001       Cocan Altimeter Range Quality PLRM, OCGG Altimeter Range Quality PLRM, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_202101151012867_202101151013265_C001       OCGG Altimeter Range Quality PLRM, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_202101151012867_202101151033006_C001       OCCGG Altimeter Range Quality PLRM, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_202101151030867_2021011510336719_C001       OCCGG Altimeter Range Quality PLRM, OCGG Altimeter Range and Backscatter Quality PLRM, OCGG Altimeter Range and	CS_OFFL_SIR_GOPN_2_20210115T220955_20210115T221053_C001		
CS_OFFL_SIR_GOPN_2_202101151225635_2021       OCOG Backscatter Quality       more records.         CS_OFFL_SIR_GOPN_2_202101157225818_202101157225836_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T012054_20210115T012425_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T012054_20210115T012425_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T012807_20210115T013955_C001       OCOG Altimeter Range Quality PLRM, 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_GOPR_2_20210115T012805_20210115T030018_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Back	CS_OFFL_SIR_GOPN_2_20210115T221526_20210115T221746_C001		
CS_OFFL_SIR_GOPN_2_20210115T225818_20210115T225836_C001       and Backscatter Quality PLM, CCCG       and Maneter Range and Backscatter Quality       and Maneter Range and Backscatter Quality       Flags and Backscatter Quality         CS_OFFL_SIR_GOPN_2_20210115T234617_20210115T235011_C001       Ocean Altimeter Range, SSHA, SWH       and Hackscatter Quality PLM, CCCG       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T030414_20210115T003705_C001       Ocean Altimeter Range SSHA, SWH and Backscatter Quality PLM, CCCG       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T012054_20210115T012425_C001       OcCG Altimeter Range, SSHA, SWH and Backscatter Quality PLM, CCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T012054_20210115T012425_C001       OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T012807_20210115T013555_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T012807_20210115T030006_C001       OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T030827_20210115T031817_C001       OCCG Altimeter Range Quality PLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_	CS_OFFL_SIR_GOPN_2_20210115T225543_20210115T225625_C001		
CS_OFFL_SIR_GOPN_2_20210115T234617_20210115T235011_C001       and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH       The OCOG Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH         CS_OFFL_SIR_GOPR_2_20210115T012054_20210115T012425_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH       The OCOG Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags         CS_OFFL_SIR_GOPR_2_20210115T012807_20210115T013255_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags       The OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T012807_20210115T013555_C001       OCCOG Altimeter Range Quality PLRM, OCOG Backscatter 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_20210115T030006_20210115T030719_C001       OCCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T030827_20210115T031817_C001       OCCOG Altim	CS_OFFL_SIR_GOPN_2_20210115T225818_20210115T225836_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_20210115T003414_20210115T003705_C001       and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM,       The OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T012054_20210115T012425_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_20210115T012807_20210115T013555_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T030006_20210115T030006_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T030827_20210115T031817_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range	CS_OFFL_SIR_GOPN_2_20210115T234617_20210115T235011_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_202101151012034_202101151012425_C001       OCOG Backscatter Quality       more records.         CS_OFFL_SIR_GOPR_2_20210115T012807_20210115T013555_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality         CS_OFFL_SIR_GOPR_2_20210115T025835_20210115T030006_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_20210115T030006_20210115T030719_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_20210115T030827_20210115T031817_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The OCOG Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPR_2_20210115T030827_20210115T031817_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPR_2_20210115T044744_20210115T045458_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality	CS_OFFL_SIR_GOPR_2_20210115T003414_20210115T003705_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_20210115T012807_20210115T013555_C001       and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM       ind bookscatter Quality PLRM, ococ Altimeter Range and Backscatter Quality PLRM, ococ and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T025835_20210115T030006_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_20210115T030006_20210115T030719_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_20210115T030827_20210115T031817_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, 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_20210115T034877_20210115T034817_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM       The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter R	CS_OFFL_SIR_GOPR_2_20210115T012054_20210115T012425_C001		
CS_OFFL_SIR_GOPR_2_20210115T030006_20210115T030719_C001       OCOG Backscatter Quality       more records.         CS_OFFL_SIR_GOPR_2_20210115T030006_20210115T030719_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_20210115T030827_20210115T031817_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T044744_20210115T045458_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20210115T044744_20210115T045458_C001       Ocean Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, ocean Altimeter Range and Backscatter Quality PLRM, ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20210115T012807_20210115T013555_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_20210115T030006_20210115T030719_C001       OCOG Backscatter Quality       more records.         CS_OFFL_SIR_GOPR_2_20210115T030827_20210115T031817_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 PLRM         CS_OFFL_SIR_GOPR_2_20210115T044744_20210115T045458_C001       Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, ocog and the OCOG Altimeter Range and Backscatter Quality PLRM, ocog and the OCOG Altimeter Range and Backscatter Quality PLRM, ocog and the OCOG Altimeter Range and Backscatter Quality PLRM, ocog and the OCOG Altimeter Range and Backscatter Quality PLRM, or one or more records.	CS_OFFL_SIR_GOPR_2_20210115T025835_20210115T030006_C001		
CS_OFFL_SIR_GOPR_2_20210115T030827_20210115T031817_C001       and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM       and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM         CS_OFFL_SIR_GOPR_2_20210115T044744_20210115T045458_C001       and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20210115T030006_20210115T030719_C001		
CS_OFFL_SIR_GOPR_2_20210115T044744_20210115T045458_C001 and Backscatter Quality PLRM, 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_GOPR_2_20210115T030827_20210115T031817_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_20210115T044744_20210115T045458_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_20210115T054258_20210115T054836_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_20210115T060224_20210115T060438_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_20210115T062120_20210115T062405_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_20210115T062700_20210115T063420_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_20210115T072739_20210115T073049_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_20210115T075815_20210115T080032_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_20210115T080045_20210115T080125_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_20210115T080544_20210115T081240_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_20210115T081248_20210115T081302_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_20210115T082709_20210115T082723_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_20210115T094407_20210115T095243_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_20210115T104120_20210115T104234_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_20210115T112100_20210115T112840_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_20210115T113146_20210115T113304_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_20210115T122026_20210115T122257_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_20210115T125824_20210115T125858_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_20210115T130034_20210115T130654_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_20210115T131352_20210115T131429_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_20210115T135909_20210115T140142_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_20210115T143625_20210115T143847_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_20210115T143850_20210115T144553_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_20210115T144554_20210115T144732_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_20210115T145234_20210115T145554_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_20210115T145605_20210115T145615_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_20210115T161301_20210115T161404_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_20210115T161408_20210115T161624_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_20210115T161831_20210115T161956_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_20210115T162004_20210115T162451_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_20210115T162641_20210115T162758_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_20210115T170242_20210115T170940_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_20210115T173831_20210115T174311_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_20210115T175220_20210115T175248_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_20210115T193828_20210115T193914_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_20210115T202605_20210115T202707_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_20210115T210222_20210115T210313_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_20210115T211637_20210115T212334_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_20210115T220529_20210115T220643_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_20210115T225421_20210115T225542_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_20210115T225626_20210115T225818_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_20210115T225836_20210115T230402_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.					
L2 Quality Flags (1 Hz & 1Hz PLRM)							
Currently, there are several common flags raised in the Level 2 products,	which are summarised below.						
> 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for	products over sea ice, which is to be expected	đ.					
Number of products with errors: 206							
5.8 L2 Ocean Retracking Quality Check							
L2 Retracking Flags (20Hz)							
	CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.						
Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.							
Number of products with errors: 72							
L2 Retracking Flags (20Hz, PLRM)							
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRI	M measurement record. The bit value of this fla	ag indicates any problems when set.					

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.

153

0

```
Number of products with errors:
```

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

#### 6.1 P2P Product Format Check

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

Number of products with errors:

## 6.2 P2P Product Header Analysis

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

 Number of products with errors:
 0

## 6.3 P2P Auxiliary Data File Usage Check

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

#### Number of products with errors:

## 6.4 P2P Auxiliary Correction Error Check

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

0

Currently, there are some common auxiliary correction errors raised in the Level 2 products 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.

30

Product		Description
CS_OFFL_SIR_GOP_220210114T235131_20210115T004107_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_20210115T004107_20210115T013046_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_220210115T013046_20210115T022021_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_20210115T022021_20210115T031000_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_220210115T031000_20210115T035936_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_220210115T035936_20210115T044915_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_220210115T044915_20210115T053850_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_220210115T053850_20210115T062830_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_220210115T062830_20210115T071805_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_220210115T071805_20210115T080744_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_220210115T080744_20210115T085720_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_220210115T085720_20210115T094659_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_220210115T094659_20210115T103634_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_220210115T103634_20210115T112614_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_220210115T112614_20210115T121549_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_220210115T121549_20210115T130528_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_220210115T130528_20210115T135504_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_220210115T135504_20210115T144443_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_220210115T144443_20210115T153418_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_220210115T153418_20210115T162358_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_220210115T162358_20210115T171333_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_220210115T171333_20210115T180312_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_220210115T180312_20210115T185248_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_220210115T185248_20210115T194227_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_220210115T194227_20210115T203202_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), 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_220210115T203202_20210115T212142_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_220210115T212142_20210115T221117_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_220210115T221117_20210115T230056_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_220210115T230056_20210115T235032_C002	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records

Mean Dynamic Topography (1)

rvoSat P2P data includes a meas		K				
	surement confidence flag for each	20-Hz measurement record. Th	e bit value of this flag ind	icates any problems when set.		
lumber of products with errors:	-		-			
Product		Test Failed		Description		
CS_OFFL_SIR_GOP_2202101	15T085720_20210115T094659_0	C001 Power scaling er	ror	There is an error in the scaling of	of the L2 waveform for one	or more rec
6.6 P2P Measurement (	Quality Flag Check					
P2P Quality Flags (20Hz)						
CryoSat P2P data includes Quality	/ Flags for each 20 Hz, 20 Hz PLF	M and 1 Hz measurement recor	d, copied from the corres	ponding L2 products.		
Since the P2P Quality Flags are	copied directly from the L2 Qua	ality Flags, please see Section	5.6 for the full list of pr	oducts affected.		
Number of products with errors:	: 30					
P2P Quality Flags (20Hz I	PLRM)					
Since the P2P Quality Flags are	copied directly from the L2 Qua	ality Flags, please see Section	5.6 for the full list of pr	oducts affected.		
Number of products with errors:	: 28					
P2P Quality Flags (1 Hz &	1Hz PLRM)					
Since the P2P Quality Flags are	copied directly from the L2 Qua	ality Flags, please see Section	5.6 for the full list of pr	oducts affected.		
Number of products with errors:	: 30					
	ing Quality Cheak					
6.8 P2P Ocean Retrack	<u> </u>					
P2P Retracking Flags (20 Cryosat P2P data includes an ocea		) for each 20-Hz measurement re	cord. The bit value of thi	s flag indicates any problems wh	en set.	
Ocean Retracking Quality Flag (						
Number of products with errors:			,,,			
•						
P2P Retracking Flags PL						
CryoSat L2 data includes an ocear					set.	
Ocean Retracking Quality Flag (	PLRM): This flag is currently set f	or products GOPR and GOPN p	roducts over sea ice, but	this is to be expected.		
Number of products with errors:	: 30					
Number of products with errors:	: 30					
Number of products with errors:	: 30	7. GOP QCC R				
The Quality Control for CryoSat (Q			eport Analysis		ies. A list of the tests whic	h raised erro
The Quality Control for CryoSat (Q			eport Analysis		ies. A list of the tests whic	h raised erro
The Quality Control for CryoSat (Q warnings is provided below. <b>Product type</b>	DCC) facility performs a primary su	urvey of data products immediate No. QCC Reports	eport Analysis	PDS and LTA processing facilit	No. E	Frrors
The Quality Control for CryoSat (Q warnings is provided below. Product type SIR_GOPM1B	QCC) facility performs a primary su No. Products 206	urvey of data products immediate No. QCC Reports 206	eport Analysis ly after production by the No. Valid 7	PDS and LTA processing facilit No. Warnings 199	No. E	<b>irrors</b>
The Quality Control for CryoSat (Q warnings is provided below. Product type SIR_GOPM1B SIR_GOPR1B	DCC) facility performs a primary su No. Products 206 141	urvey of data products immediate No. QCC Reports 206 141	eport Analysis by after production by the <u>No. Valid</u> 7 0	PDS and LTA processing facilit No. Warnings 199 141	No. E	<b>Frrors</b>
The Quality Control for CryoSat (Q warnings is provided below. Product type SIR_GOPM1B SIR_GOPR1B SIR_GOPN1B	DCC) facility performs a primary su No. Products 206 141 109	vrvey of data products immediate No. QCC Reports 206 141 109	eport Analysis ly after production by the No. Valid 7 0 3	PDS and LTA processing facilit No. Warnings 199 141 106	No. E	Frrors
The Quality Control for CryoSat (Q varnings is provided below. Product type SIR_GOPM1B SIR_GOPN1B SIR_GOPM_2	DCC) facility performs a primary su No. Products 206 141 109 206	No. QCC Reports 206 141 109 206	eport Analysis ly after production by the No. Valid 7 0 3 143	PDS and LTA processing facilit No. Warnings 199 141 106 63	No. E	Frrors
The Quality Control for CryoSat (Qvarnings is provided below. Product type SIR_GOPM1B SIR_GOPR1B SIR_GOPN1B SIR_GOPN1B SIR_GOPN_2 SIR_GOPR_2	DCC) facility performs a primary su No. Products 206 141 109 206 141	No. QCC Reports           206           141           109           206           141	eport Analysis ly after production by the No. Valid 7 0 3 143 55	PDS and LTA processing facilit No. Warnings 199 141 106 63 84	No. E	Frrors
The Quality Control for CryoSat (Quarnings is provided below. Product type SIR_GOPM1B SIR_GOPN1B SIR_GOPN1B SIR_GOPM_2 SIR_GOPR_2 SIR_GOPN_2	No. Products           206           141           109           206           141           109           206           141	No. QCC Reports           206           141           109           206           141           109           206           141           109           206           141	eport Analysis ly after production by the No. Valid 7 0 3 143 55 37	PDS and LTA processing facilit No. Warnings 199 141 106 63 84 71	No. E	Frrors ) ) ) 2 1
The Quality Control for CryoSat (Qvarnings is provided below. Product type SIR_GOPM1B SIR_GOPR1B SIR_GOPN1B SIR_GOPN12 SIR_GOPR_2	DCC) facility performs a primary su No. Products 206 141 109 206 141	No. QCC Reports           206           141           109           206           141	eport Analysis ly after production by the No. Valid 7 0 3 143 55	PDS and LTA processing facilit No. Warnings 199 141 106 63 84	No. E	Frrors
The Quality Control for CryoSat (Q warnings is provided below. SIR_GOPM1B SIR_GOPM1B SIR_GOPN1B SIR_GOPM_2 SIR_GOPM_2 SIR_GOPN_2 SIR_GOPN_2 SIR_GOPN_2 SIR_GOP_P2P	No. Products           206           141           109           206           141           109           206           141	No. QCC Reports           206           141           109           206           141           109           206           141           109           206           141	eport Analysis ly after production by the No. Valid 7 0 3 143 55 37	PDS and LTA processing facilit No. Warnings 199 141 106 63 84 71	No. E	Frrors ) ) ) 2 1
The Quality Control for CryoSat (Q warnings is provided below. SIR_GOPM1B SIR_GOPN1B SIR_GOPN1B SIR_GOPM_2 SIR_GOPM_2 SIR_GOPN_2	No. Products           206           141           109           206           141           206           141           206           141           206           206           141           209	No. QCC Reports           206           141           109           206           141           109           29	eport Analysis ly after production by the No. Valid 7 0 3 143 55 37 0	PDS and LTA processing facilit No. Warnings 199 141 106 63 84 71 26	No. E	Frrors ) ) ) 2 1
The Quality Control for CryoSat (Qwarnings is provided below. Product type SIR_GOPM1B SIR_GOPN1B SIR_GOPN1B SIR_GOPM_2 SIR_GOPN_2 SIR_GOPN_2 SIR_GOP_2P 7.1 QCC Errors Number of QCC reports with errors	No. Products         206           141         109           206         141           109         206           141         109           206         141           109         206           141         109           206         141           109         29	Invey of data products immediate No. QCC Reports 206 141 109 206 141 109 29 Total number	eport Analysis Ity after production by the No. Valid 7 0 3 143 55 37 0 of occurrences of each	PDS and LTA processing facilit No. Warnings 199 141 106 63 84 71 26 error	No. E	Frrors ) ) ) 2 1
The Quality Control for CryoSat (Qwarnings is provided below. Product type SIR_GOPM1B SIR_GOPR1B SIR_GOPM_2 SIR_GOPR_2 SIR_GOPN_2 SIR_GOPN_2 SIR_GOP_2P SIR_GOP_P2P	No. Products           206           141           109           206           141           206           141           206           141           206           206           141           209	No. QCC Reports           206           141           109           206           141           109           29	eport Analysis Ity after production by the No. Valid 7 0 3 143 55 37 0 of occurrences of each	PDS and LTA processing facilit No. Warnings 199 141 106 63 84 71 26	No. E	Frrors ) ) ) 2 1
The Quality Control for CryoSat (Q warnings is provided below. Product type SIR_GOPM1B SIR_GOPN1B SIR_GOPN_2 SIR_GOPN_2 SIR_GOPN_2 SIR_GOPN_2 SIR_GOP_2P 7.1 QCC Errors Number of QCC reports with error Product Type RLOBOPNCDF	No. Products 206 141 109 206 141 109 206 141 109 29 Cors: 6 RL RLOBOPNCDF	Invey of data products immediate No. QCC Reports 206 141 109 209 29 Total number RL -	eport Analysis Ity after production by the No. Valid 7 0 3 143 55 37 0 of occurrences of each	PDS and LTA processing facilit No. Warnings 199 141 106 63 84 71 26 error 	No. E	Frrors ) ) ) 2 1

Test Description Key:	est Description Key:					
Abbreviation	Test name	Details				
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7				
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7				
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7				
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7				

# 7.2 QCC Warnings

Number of QCC reports with warnings

2258

Number of QCC report	s with warnings	2258					
			Total numb	er of occurrences of ea	ich warning		
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_GOPM1B	199	0	0	0	0	0	0
SIR_GOPM_2	0	0	49	49	0	45	0
SIR_GOPN1B	106	0	0	0	0	0	0
SIR_GOPN_2	0	1	15	35	2	30	30
SIR_GOPR1B	136	0	0	0	0	0	0
SIR_GOPR_2	0	2	23	42	1	23	15

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCD	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	40	39	0	0	0	0	28
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	25	0	0	25	0	36	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	11	0	38	0	50	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	0	6	25	0	8	36
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	27	16	44	57	30	33
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	38	0	2	63	34	15	33
Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-
SIR_GOPM1B	0	0	0	0	0	1	
SIR_GOPM_2	0	4	0	0	0	0	
SIR_GOPN1B	0	0	0	0	47	3	
SIR_GOPN_2	30	15	0	2	0	0	
SIR_GOPR1B	0	0	0	0	141	7	
SIR_GOPR_2	45	1	1	5	0	0	
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
SIR_GOP_2_	17	28	28	3	29	16	27
Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOP_2_	14	25	22	18	29	19	28
Product Type		RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-	-
SIR_GOP_2_	29	16	17	29			

Test Description Key:		
Abbreviation	Test name	Details
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
Boolintobi		
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

# 7.3 Missing QCC Reports

Number of products with missing QCC reports:

2

Product name 0 0 Product name CS\_OFFL\_SIR\_GOP\_2\_20210115T230056\_20210115T235032\_C002 CS\_OFFL\_SIR\_GOP\_2\_20210115T235032\_20210116T004011\_C002