

QA4EO Daily Report for GOP data:

07/04/2020

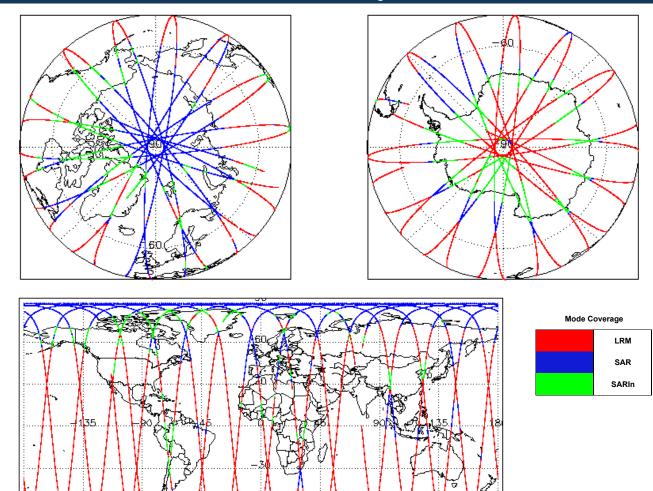
Demont Due du stieres	07 Mar 0000	Check	L1 & L2	P2P
Report Production:	07-May-2020	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used.	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal
Dala Useu.		Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7

1. Overview

Mission / Instrument News 06-Apr-2020 None 07-Apr-2020 None

08-Apr-2020 Nothing planned

2. Global Coverage



3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and S	PH in order to identify any inconsistencies	and/or arrors raised by the ground-segment processing chain		
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B G				
OSARIn chains. A modification is required in the next release.	SOFIC and GOFIN products because the fib			
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-d	etermined baseline and also to check the v	alidity of Auxiliary Data Files is correct		
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement record.	The bit value of this flag indicates any proble	ems when set.		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurement	nt record. The bit value of this flag indicates	any problems when set.		
Attitude Correction Missing: This flag is currently set in error for GOPR produc	ts due to a configuration issue. This is being	investigated and will be updated in the next SW update.		
Number of products with errors: 0				
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record. T	The hit value of this flag indicates any proble	ams when set		
Loss of Echo Flag: This flag is currently set for some products over land, but thi	6 , 1			
Number of products with errors: 14				
	Test Foiled	Description		
Product CS_OFFL_SIR_GOPM1B_20200407T023427_20200407T024257_C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPM1B_20200407T204742_20200407T205713_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200407T085918_20200407T090028_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200407T112121_20200407T112311_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200407T140041_20200407T140511_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200407T151913_20200407T152108_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200407T152805_20200407T152903_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200407T202807_20200407T203041_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200407T220458_20200407T220923_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20200407T035324_20200407T040117_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20200407T170055_20200407T170400_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20200407T170400_202000407T170827_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20200407T220157_20200407T220412_C001 CS_OFFL_SIR_GOPR1B_20200407T234745_20200407T235626_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records 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 ens	ure it consists of both an XML header file (.	HDR) and a binary product file (.DBL).		
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 S	PH in order to identify any inconsistencies a	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.				
Number of products with errors: 47				
Product	Test Failed	Description		
CS_OFFL_SIR_GOPM_2_20200406T235747_20200407T002632_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records		

OFFL_SIR_GOPM_2_20200406T235747_20200407T002632_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for or more records

CS_OFFL_SIR_GOPM_2_20200407T123058_20200407T123318_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_20200407T030435_20200407T030550_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_20200407T031329_20200407T031444_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_20200407T044349_20200407T044512_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_20200407T045021_20200407T045331_C001	Mean Sea Surrace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean
CS_OFFL_SIR_GOPN_2_20200407T062436_20200407T062721_C001	Tide (FES) Non-Equilibrium Long Period Mean Sea Surface (1), Mean Dynamic Topography (1)	Tide for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200407T062924_20200407T063453_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_20200407T072016_20200407T072242_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_20200407T080357_20200407T080634_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_20200407T085918_20200407T090028_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_20200407T090143_20200407T090333_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_20200407T103836_20200407T104336_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_20200407T112121_20200407T112311_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_20200407T113126_20200407T113349_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_20200407T121840_20200407T122258_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_20200407T144055_20200407T144430_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_20200407T162014_20200407T162334_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_20200407T171100_20200407T171214_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_20200407T180749_20200407T180858_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_20200407T185016_20200407T185127_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_20200407T194452_20200407T194642_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_20200407T202807_20200407T203041_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_20200407T220458_20200407T220923_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20200407T225354_20200407T225638_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_20200407T234357_20200407T234745_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_20200407T003758_20200407T004636_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_20200407T021536_20200407T022311_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_20200407T023229_20200407T023427_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_20200407T035324_20200407T040117_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_20200407T040117_20200407T040239_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_20200407T053332_20200407T054015_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_20200407T054015_20200407T054417_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_20200407T071448_20200407T071909_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_20200407T071909_20200407T072016_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_20200407T085242_20200407T085521_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_20200407T085522_20200407T085918_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_20200407T090333_20200407T090747_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 GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20200407T103215_20200407T103836_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_20200407T121359_20200407T121840_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_20200407T135024_20200407T140041_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_20200407T153152_20200407T153939_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_20200407T171214_20200407T172006_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_20200407T185127_20200407T185842_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_20200407T203041_20200407T203740_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_20200407T220923_20200407T221639_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_20200407T234745_20200407T235626_C001	GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

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:

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.

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200406T235747_20200407T002632_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_20200407T002635_20200407T002649_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_20200407T004810_20200407T004851_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_20200407T005832_20200407T012412_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_20200407T012551_20200407T013054_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_20200407T013101_20200407T013429_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_20200407T013753_20200407T021208_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_20200407T023427_20200407T024257_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_20200407T025739_20200407T030354_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_20200407T030550_20200407T031126_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_20200407T031710_20200407T035050_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_20200407T040430_20200407T040529_C001 and Altir CS_OFFL_SIR_GOPM_2_20200407T042356_20200407T044311_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20200407T042356_20200407T044311_C001 and		
	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20200407T045618_20200407T053029_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20200407T060013_20200407T061750_C001 and		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20200407T063628_20200407T065301_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20200407T065340_20200407T065625_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20200407T065825_20200407T070536_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	• •	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20200407T072528_20200407T074326_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20200407T074623_20200407T075825_C001 and		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	0 .	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20200407T081528_20200407T083055_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20200407T083257_20200407T083436_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20200407T083439_20200407T084220_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20200407T090953_20200407T092138_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20200407T093731_20200407T093901_C001 and		The Ocean Altimeter Range, SSHA, SWH 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_20200407T093910_20200407T094119_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20200407T095449_20200407T101001_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20200407T104730_20200407T105635_C001 and		The Ocean Altimeter Range, SSHA, SWH 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_20200407T105652_20200407T110154_C001 and	d Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	ean Altimeter Range, SSHA, SWH d 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_20200407T112311_20200407T112522_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_20200407T112543_20200407T113126_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_20200407T113416_20200407T115125_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_20200407T123321_20200407T125907_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_20200407T130233_20200407T130345_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_20200407T130520_20200407T130951_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_20200407T131259_20200407T133447_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_20200407T135014_20200407T135024_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_20200407T140511_20200407T143818_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_20200407T144430_20200407T145006_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_20200407T145138_20200407T145752_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_20200407T152903_20200407T153039_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_20200407T154350_20200407T161736_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_20200407T162334_20200407T162846_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_20200407T163058_20200407T165031_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_20200407T172216_20200407T174353_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_20200407T174502_20200407T175556_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_20200407T180044_20200407T180333_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_20200407T180339_20200407T180347_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_20200407T180350_20200407T180749_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_20200407T181024_20200407T183850_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_20200407T183905_20200407T184610_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_20200407T184756_20200407T185016_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_20200407T185842_20200407T185933_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_20200407T190525_20200407T191309_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_20200407T191750_20200407T193521_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_20200407T193713_20200407T194232_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_20200407T195327_20200407T200610_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_20200407T200823_20200407T202029_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_20200407T202254_20200407T202421_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_20200407T204742_20200407T205713_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_20200407T205948_20200407T211429_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_20200407T211637_20200407T212143_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_20200407T214950_20200407T215201_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_20200407T215324_20200407T220031_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_20200407T223634_20200407T225326_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_20200407T225638_20200407T230059_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_20200407T230720_20200407T233151_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_20200407T031329_20200407T031444_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_20200407T071416_20200407T071448_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_20200407T151708_20200407T151710_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_20200407T194452_20200407T194642_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_20200407T202807_20200407T203041_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_20200407T053332_20200407T054015_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_20200407T071448_20200407T071909_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_20200407T074326_20200407T074438_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_20200407T165843_20200407T165917_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_20200407T180347_20200407T180350_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_20200407T195317_20200407T195327_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_20200407T211429_20200407T211451_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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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.

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20200407T004756_20200407T004810_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_20200407T012419_20200407T012551_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_20200407T013429_20200407T013604_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_20200407T021208_20200407T021350_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_20200407T024445_20200407T024819_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_20200407T035131_20200407T035208_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_20200407T035300_20200407T035324_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_20200407T041050_20200407T041114_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_20200407T042247_20200407T042356_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_20200407T044349_20200407T044512_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_20200407T045021_20200407T045331_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_20200407T062436_20200407T062721_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_20200407T062924_20200407T063453_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_20200407T071416_20200407T071448_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_20200407T081336_20200407T081516_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_20200407T084220_20200407T084518_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_20200407T090143_20200407T090333_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_20200407T092138_20200407T092741_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_20200407T094119_20200407T094340_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_20200407T095237_20200407T095425_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_20200407T101929_20200407T102326_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_20200407T103836_20200407T104336_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_20200407T104344_20200407T104423_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_20200407T113126_20200407T113349_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_20200407T121325_20200407T121359_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_20200407T121840_20200407T122258_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

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COUNT CONCUMPCLANCIANT INSCRUMENT NAMES, COUNT COUNT CONCUMPCING NAMES AND ADDRESS STREAMED INSCRUMENT NAMES AND ADDRESS AND ADD	CS_OFFL_SIR_GOPN_2_20200407T122340_20200407T122502_C001		
DC-011_DRC_0010_2_800007110005_0001001110005_000101 DCO01 Relacionaria Calary max model. CQ_071_DRC_0010_2_800007110001_2000007110010_00010 DCO01 Relacionaria Calary FIRM The OCO1 Relacionaria Calary FIRM The OCO1 Relacionaria Calary FIRM CQ_071_DRC_0010_2_800007110011_20000007110010_00010 DCO01 Relacionaria Calary FIRM The OCO1 Relacionaria Calary FIRM The OCO1 Relacionaria Calary FIRM CQ_071_DRC_0010_2_800007110101_20000007110010_00010 DCO01 Relacionaria Calary FIRM The OCO1 Relacionaria Calary FIRM The OCO1 Relacionaria Calary FIRM CQ_071_DRC_0010_2_800007110001_200000071100010_00010 DCO01 Relacionaria Calary FIRM The OCO1 Relacionaria Calary FIRM The OCO1 Relacionaria Calary FIRM CQ_071_DRC_0010_2_8000077110001_200000071100001_00010 DCO01 Alterniaria FIRM The OCO1 Relacionaria Calary FIRM The OCO1 Relacionaria Calary FIRM CQ_071_DRC_0010_2_8000077110001_200000077100001_0001 DCO01 Alterniaria FIRM The OCO1 Relacionaria Calary FIRM The OCO00 Relacionaria Calary FIRM CQ_071_DRC_0010_2_8000077120001_20000077100001_0001 DCO01 Alterniaria FIRM The OCO1 Relacionaria Calary FIRM The OCO1 Relacionaria Calary FIRM CQ_071_DRC_0010_2_8000077120001_20000077100001_0001 DCO01 Alterniaria FIRM The OCO1 Relacionaria Calary FIRM The OCO1 Relacionaria Calary FIRM	CS_OFFL_SIR_GOPN_2_20200407T130053_20200407T130233_C001		
Displace Description Description <thdescription< th=""> <thdescription< th=""> <t< td=""><td>CS_OFFL_SIR_GOPN_2_20200407T130345_20200407T130520_C001</td><td></td><td>• • •</td></t<></thdescription<></thdescription<>	CS_OFFL_SIR_GOPN_2_20200407T130345_20200407T130520_C001		• • •
Open Leng Control Control in Status Occol Backacter Cashy None records. CB_OFT_DR_GON_2_DECOMPT15919_E000007T15919_E000007T15910_CONT COCOD Alterest Regin Cashy FLM The OCCID Regins and Backacter Cashy FLM CB_OFT_DR_GON_2_DECOMPT15919_E000007T15919_E000007T15917_CONT COCOD Alterest Regin Cashy FLM The OCCID Regins and Backacter Cashy FLM CB_OFT_DR_GON_2_DECOMPT15919_E000007T15917_E000007T15917_CONT COCOD Alterest Regin Cashy FLM The OCCID Regins and Backacter Cashy FLM CB_OFT_DR_GON_2_DECOMPT15917_E000007T15917_E000007T15917_E000007T15917_E000007T15917_E000007T15917_E000007T15917_E000007T15917_E000007T15917_E000007T201591_CONT The OCCID Regins and Backacter Cashy FLM CB_OFT_DR_GON_2_DECOMPT15917_E000007T201592_CONT COCOD Alterest Regin Cashy FLM The OCCID Regins and Backacter Cashy FLM CB_OFT_DR_GON_2_DECOMPT15917_E000007T201592_CONT COCOD Alterest Regin Cashy FLM The OCCID Regins and Backacter Cashy FLM CB_OFT_DR_GON_2_DECOMPT201592_CONT7201512_CONT COCOD Alterest Regin Cashy FLM The OCCID Regins and Backacter Cashy FLM CB_OFT_DR_GON_2_DECOMPT201512_CONT7201512_CONT7201512_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT720152_CONT	CS_OFFL_SIR_GOPN_2_20200407T140041_20200407T140511_C001		
Control Service Coold Backsontin Couldy Income control Coold Backsontin Couldy The Occon Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI Coold Backsontin Couldy Coold Backsontin Couldy The Occon Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI Coold Backsontin Couldy Coold Backsontin Couldy The Occon Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI Coold Backsontin Couldy Coold Backsontin Couldy The Occon Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI Coold Backsontin Couldy Coold Backsontin Couldy The Occon Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI Coold Backsontin Couldy Coold Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI Coold Backsontin Couldy Coold Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI Coold Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI Coold Alternite Range Stafk, SWI The Occon Alternite Range Stafk, SWI The Occon Range and Backsontin Coully Flags hare been set for or or o	CS_OFFL_SIR_GOPN_2_20200407T150722_20200407T150836_C001		
CB_0FFL_SR_0OPFL2_0000407T19308_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T19319_2000407T1	CS_OFFL_SIR_GOPN_2_20200407T151913_20200407T152108_C001		
DCDFL_SEQ_COPPL_2_20200407112034 DCDG Backstaff Calify DCDG Backstaff Calify DCDG Backstaff Calify DS_0FL_SEQ_COPPL_2_20200407110531_202004071105715_000 DCDG Backstaff Calify PLRK_0000 Interfer Dangs All Sekstaffs Calify PLRK_0000 DS_0FL_SEQ_COPPL_2_202004071105715_000 DCDG Backstaff Calify PLRK_0000 Interfer Dangs All Sekstaffs Calify PLRK_0000 DS_0FL_SEQ_COPPL_2_202004071105715_0000 DCDG Balteride Pangs Calify PLRK_0000 Interfer Dangs All Sekstaffs Calify PLRK_0000 DCGG Balteride Pangs Calify PLRK_00000 DCGG Balteride Pangs Calify PLRK_00000 Interfer Dangs All Sekstaffs Calify PLRK_00000 DCGG Balteride Pangs Calify PLRK_00000 DCGG Balteride Pangs Calify PLRK_00000 Interfer Dangs All Sekstaffs Calify PLRK_00000 DS_0FFL_SR_000000_2_202004077204002_20200407720402_20200407720402_202004077213055_0001 DCGG Balteride Pangs Calify PLRK_00000 Inter CoCG Balteride Pangs Calify PLRK_00000 DS_0FFL_SR_00000_2_202004077213055_0001 DCGG Balteride Pangs Calify PLRK_00000 Inter CoCGR Balteride Pangs Calify PLRK_00000 Inter CoCGR Balteride Pangs Calify PLRK_00000 DS_0FFL_SR_00000_2_202004077213055_202004077213055_0001 DCGG Balteride Pangs Calify PLRK_00000 Inter CoCGR Balteride Pangs Calify PLRK_00000 DCGG Balteride Pangs Calify PLRK_00000 DCGG Balteride Pangs Calify PLRK_00000 Inter CoCGR Balteride Pangs Calify PLRK_00	CS_OFFL_SIR_GOPN_2_20200407T153939_20200407T154117_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DS_OFFL_SIR_GOPN_2_2020407T12224_2020407T12024_C001 and Baskoatter Quality PLM COCO PLAN intervent Range and Baskoatter Quality PLM COCO PLAN DS_OFFL_SIR_GOPN_2_2020407T120241_2020407T120241_C001 COCG Allmeter Range and Baskoatter Quality PLM COCG Allmeter Range and Baskoatter Quality PLM COCG Allmeter Range Cuality PLM, COCO Altmeter Range Quality PLM, COCG Allmeter Range Quality PLM, COCG Baskatter Quality PLM, COCG Allmeter Range SSH, SVM, Allmeter Range Allmeter Range SSH, SVM, COCG Baskater Quality PLM, COCG COCG Baskatter Quality PL	CS_OFFL_SIR_GOPN_2_20200407T165031_20200407T165348_C001		
GS_OFFL_SIR_GOPN_2_20200407T103031_20200407T103713_C001 and Backscatter Quality PLRM_COCG The docating Quark PLRM_COCG GS_OFFL_SIR_GOPN_2_20200407T202807_20200407T203041_C001 OCCG Altrineter Range Quality PLRM, Too COCG Range and Backscatter Quality Flags have been set for one or more records. The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T204729_20200407T204729_C001 OCCG Altrineter Range Quality PLRM, Too COCG Range and Backscatter Quality Flags have been set for one or more records. The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T213137_20200407T214029_C001 OCCG Altrineter Range Quality PLRM, Too COCG Range and Backscatter Quality Flags have been set for one or more records. The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T213059_C001 OCCG Altrineter Range Quality PLRM, Too COCG Range and Backscatter Quality Flags have been set for one or more records. The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T214029_C001 OCCG Altrineter Range Quality PLRM, Too COCG Range and Backscatter Quality Flags have been set for one or more records. The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T220459_20200407T220459_20200407T220459_20001 OCCG Altrineter Range Quality PLRM, Too COCG Range and Backscatter Quality Flags have been set for one or more records. The OCCG Range and Ba	CS_OFFL_SIR_GOPN_2_20200407T175726_20200407T180044_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OpenLipsin_GOPN_2_2000007120402_202004077204742_0001 OCCO Backscatter Quality more records. CS_OFFL_SIR_GOPN_2_202004077204402_202004077204742_0001 OCCO Backscatter Quality The OCCO Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_202004077213137_202004077213135_0001 OCCO A Minimetr Range Quality FLRM, QCOD Almoster Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_202004077214154_202004077214029_CO01 OCCO A Minimetr Range Quality FLRM, QCOD Almoster Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_202004077214154_202004077214737_C001 OCCOG Almeter Range Quality FLRM, QCOD Almoster Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_202004077220458_202004077220457_20157_C001 OCCOG Almeter Range Quality FLRM, QCOD Almeter Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_202004077220458_2020040772204578_202004077220457_20204077220457_20204577204578_202	CS_OFFL_SIR_GOPN_2_20200407T193531_20200407T193713_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFF_SIR_GOPN_2_2020407T213157_2020407T213155_C001 Ocean Altimeter Range, SHA, SWH more records. CS_OFFL_SIR_GOPN_2_2020407T213157_2020407T213155_C001 Ocean Altimeter Range, SHA, SWH more records. CS_OFFL_SIR_GOPN_2_2020407T213157_2020407T213155_C001 OCCO Altimeter Range Quality PLRM, The CCOC Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_2020407T214154_20200407T214737_C001 OCCO Altimeter Range Quality PLRM, The CCOC Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_2020407T220055_20200407T220157_C001 OCCO Altimeter Range SSHA, SWH The CCOC Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_2020407T220458_2020407T220157_C001 OCCO Altimeter Range SSHA, SWH The CCOC Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_2020407T220458_2020407T220458_2020407T22032_C001 OCCO Altimeter Range Quality PLRM, The CCOC Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_2020407T224455_2020407T224452_C001 OCCO Altimeter Range Quality PLRM, The CCOC Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_2020407T234455_2020407T234476_C001 OCCO Altimeter Range Quality PLRM, The CCOC Range and Backscatter Quality Flags have been set for one or more records. </td <td>CS_OFFL_SIR_GOPN_2_20200407T202807_20200407T203041_C001</td> <td></td> <td></td>	CS_OFFL_SIR_GOPN_2_20200407T202807_20200407T203041_C001		
GS_OFFL_SIR_GOPN_2_2020407T21313_20200407T213155_C001 and Backszatter Quality PLRM, COCO Allmeter Range and Backszatter Quality PLRM, COCO Allmeter Range and Backszatter Quality PLRM, COCO Backszatter Quality PLRM, CS_OFFL_SIR_GOPN_2_20200407T224035_20200407T220157_C001 COCO Allmeter Range SHA. SWH and Backszatter Quality PLRM, CS_OFFL_SIR_GOPN_2_20200407T220035_20200407T220157_C001 The OCOCA Range and Backszatter Quality Flags and the OCOCA Allmeter Range, SSHA. SWH and Backszatter Quality Flags and the OCOCA Allmeter Range, SSHA. SWH and Backszatter Quality Flags and the OCOCA Allmeter Range, SSHA. SWH and Backszatter Quality Flags and the OCOCA Allmeter Range, SSHA. SWH and backszatter Quality Flags and the OCOCA Allmeter Range, SSHA. SWH and the OCOCA Allmeter Range and Backszatter Quality Flags and the OCOCA Allmeter Range SSHA. SWH and the OCOCA Range and Backszatter Quality Flags and the OCOCA Range and Backszatter Quality Flags and the OCOCA Range and Backszatter Quality Flags and the OCOCA Allmeter Range, SSHA, SWH and the OCOCA Allmeter Range, SSHA, SWH and the OCOCA Allmeter Range, SSHA, SWH and Backszatter Quality Flags and the OCOCA Allmeter Range, SSHA, SWH and Backszatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20200407T204402_20200407T204742_C001		
CS_OFFL_SIR_GOPN_2_2020040/T121402_0001 OCOG Backscatter Quality PLRM, CS_OFFL_SIR_GOPN_2_20200407T214154_20200407T214737_C001 OCOG Altimeter Range, SNA, SWH and Backscatter Quality PLRM, COGE Backscatter Quality PLRM, OCOG Antimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Antimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T22055_20200407T22052_0001 OCOG Altimeter Range Quality PLRM, COCG Backscatter Quality PLRM, OCOG Additional PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T234357_20200407T234317_C001 OCOG Altimeter Range Quality PLRM, COCG Backscatter Quality PLRM, COCG Backscatter Quality PLRM, CCG OFFL_SIR_GOPR_2_20200407T03758_20200407T03758_20200407T234745_C001 The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200407T03758_20200407T03753_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, MOCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, MOCOG Altimeter Range and Backscatter Quality FLRM, MOCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, MOCOG Altimeter Range, SSHA, SWH and Backscatter Qua	CS_OFFL_SIR_GOPN_2_20200407T213137_20200407T213155_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_202004071224134_202004071224135_202004077220157_C001 OCOG Backscatter Quality FLM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, 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 have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T222652_000407T222652_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T224155_20200407T224155_20200407T234317_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T234357_20200407T234357_20200407T034636_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SHA, SWH and Backscatter Quality PLRM, DCOG Altimeter Range, SHA, SWH and Backscatter Quality PLRM, DCOG Altimeter Range, SHA, SWH and Backscatter Quality PLRM, DCOG Altimeter Range, SHA, SWH and Backscatter Quality PLRM, DCOG Altimeter Range, SHA, SWH and Backscatter Quality PLRM, DCOG Altimeter Range, SHA, SWH and Backscatter Quality PLRM, DCOG Altimeter Range, SHA, SWH and Ba	CS_OFFL_SIR_GOPN_2_20200407T213659_20200407T214029_C001	3	
CS_OFFL_SIR_GOPN_2_20200407T220157_C001 and Backscatter Quality PLRM, CCCG Intel De COG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T220458_20200407T220458_20200407T220523_C001 Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, CCCG CS_OFFL_SIR_GOPN_2_20200407T220458_20200407T220523_C001 OCCG Altimeter Range Quality PLRM, CCCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T224355_20200407T234317_C001 OCCG Altimeter Range Quality PLRM, CCCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T234357_20200407T234745_C001 OCCG Altimeter Range Quality PLRM, CCCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200407T03758_20200407T034755_C001 OCCG Altimeter Range Quality PLRM, CCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200407T03758_20200407T034755_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200407T013604_20200407T013753_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20200407T214154_20200407T214737_C001		
CS_OFFL_SIR_GOPN_2_20200407T220458_20200407T220923_C001 and Backscatter Quality PLRM, OCCG and the OCCG Altimeter Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T222550_20200407T222852_C001 OCCG Altimeter Range Quality PLRM, OCCG The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T224155_20200407T234317_C001 OCCG Altimeter Range Quality PLRM, OCCG Gackscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T234357_20200407T234317_C001 OCCG Altimeter Range Quality PLRM, OCCG Gackscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20200407T234357_20200407T234745_C001 OCCG Altimeter Range Quality PLRM, OCCG Gackscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200407T03758_20200407T004636_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200407T013604_20200407T013753_C001 Occean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200407T021357_20200407T021427_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200407T021357_20200407T021427_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. <tr< td=""><td>CS_OFFL_SIR_GOPN_2_20200407T220035_20200407T220157_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></tr<>	CS_OFFL_SIR_GOPN_2_20200407T220035_20200407T220157_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_20200407T2234350_20200407T2234317_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_GOPN_2_20200407T234155_20200407T234317_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_20200407T234357_20200407T234745_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_20200407T003758_20200407T004636_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The 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_20200407T013604_20200407T013753_C001 Mctere 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_20200407T021357_20200407T021427_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Backscatter Quality PLRM The 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_20200407T021357_20200407T021427_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 <b< td=""><td>CS_OFFL_SIR_GOPN_2_20200407T220458_20200407T220923_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></b<>	CS_OFFL_SIR_GOPN_2_20200407T220458_20200407T220923_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_202004071234165_202004071234745_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_GOPN_2_20200407T234357_20200407T234745_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_20200407T003758_20200407T004636_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPR_2_20200407T013604_20200407T013753_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPR_2_20200407T013604_20200407T013753_C001 Ocean Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200407T021357_20200407T021427_C001 OCCG Altimeter Range Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200407T021356_20200407T022311_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCean Altimeter Range and Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200407T022337_20200407T022311_C001 Ocean Alt	CS_OFFL_SIR_GOPN_2_20200407T222550_20200407T222852_C001		
CS_OFFL_SIR_GOPN_2_2020040/123435/_20200407T0234745_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_GOPR_2_20200407T003758_20200407T004636_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_20200407T021536_20200407T022311_C001 Ocean Altimeter Range, SSHA, SWH 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_20200407T022337_20200407T022311_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or mor	CS_OFFL_SIR_GOPN_2_20200407T234155_20200407T234317_C001		
CS_OFFL_SIR_GOPR_2_20200407T003758_20200407T004636_C001and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRMThe OCGan Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPR_2_20200407T013604_20200407T013753_C001Cocan Altimeter Range, SSHA, SWH and Backscatter Quality PLRMThe OCGan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPR_2_20200407T021357_20200407T021427_C001OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRMThe OCGG Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPR_2_20200407T021536_20200407T022311_C001OCOG Altimeter Range, SSHA, SWH 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_20200407T021536_20200407T022311_C001Occan Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range a	CS_OFFL_SIR_GOPN_2_20200407T234357_20200407T234745_C001		
CS_OFFL_SIR_GOPR_2_20200407T013604_20200407T013753_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRMThe Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality set for one or more records.CS_OFFL_SIR_GOPR_2_20200407T021357_20200407T021427_C001OCOG Altimeter Range, Quality PLRM, OCOG Backscatter QualityThe OCOG Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPR_2_20200407T021536_20200407T022311_C001Ocean Altimeter Range, SSHA, SWH 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_20200407T022337_20200407T022827_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG 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_20200407T022337_20200407T022827_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, 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 set for one or more records.	CS_OFFL_SIR_GOPR_2_20200407T003758_20200407T004636_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_20200407T021337_20200407T022311_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_GOPR_2_20200407T021536_20200407T022311_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM The Ocean Altimeter Range, SSHA, SWH 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_20200407T022337_20200407T022827_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20200407T013604_20200407T013753_C001	Ocean Altimeter Range, SSHA, SWH 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_20200407T021536_20200407T022311_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_20200407T022337_20200407T022827_C001 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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags hand Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPR_2_20200407T021357_20200407T021427_C001		
CS_OFFL_SIR_GOPR_2_20200407T022337_20200407T022827_C001 Ocean Altimeter Range, SSHA, SWH 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_20200407T021536_20200407T022311_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_20200407T022337_20200407T022827_C001	Ocean Altimeter Range, SSHA, SWH 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_20200407T023229_20200407T023427_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20200407T023229_20200407T023427_C001		

CS_OFFL_SIR_GOPR_2_20200407T031444_20200407T031710_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_20200407T035050_20200407T035131_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_20200407T035324_20200407T040117_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_20200407T040643_20200407T041013_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_20200407T053332_20200407T054015_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_20200407T054015_20200407T054417_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_20200407T054442_20200407T055457_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_0FFL_SIR_GOPR_2_20200407T062114_20200407T062436_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_20200407T071254_20200407T071416_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_20200407T071448_20200407T071909_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_20200407T071909_20200407T072016_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_20200407T075825_20200407T080357_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_20200407T085242_20200407T085521_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_20200407T085522_20200407T085918_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_20200407T090333_20200407T090747_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_20200407T090818_20200407T090953_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_0FFL_SIR_GOPR_2_20200407T101134_20200407T101725_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_20200407T103215_20200407T103836_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_20200407T104423_20200407T104635_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_20200407T112041_20200407T112121_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_20200407T113349_20200407T113416_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_20200407T120952_20200407T121212_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_0FFL_SIR_GOPR_2_20200407T121228_20200407T121325_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_20200407T121359_20200407T121840_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_20200407T125907_20200407T130053_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_20200407T134757_20200407T135014_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_20200407T135024_20200407T140041_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_20200407T145752_20200407T150130_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_20200407T152434_20200407T152802_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_20200407T153152_20200407T153939_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_20200407T161736_20200407T162014_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_20200407T170055_20200407T170400_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_20200407T170400_20200407T170827_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_20200407T170845_20200407T171100_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_20200407T171214_20200407T172006_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_20200407T172014_20200407T172216_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_20200407T175556_20200407T175726_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_20200407T180333_20200407T180339_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_20200407T184610_20200407T184646_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_20200407T185127_20200407T185842_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_20200407T190044_20200407T190105_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_20200407T194642_20200407T195317_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_20200407T200610_20200407T200823_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_20200407T202421_20200407T202807_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_20200407T203041_20200407T203740_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_20200407T205713_20200407T205746_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_20200407T220438_20200407T220458_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_20200407T220923_20200407T221639_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_20200407T223014_20200407T223153_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_20200407T223421_20200407T223634_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_20200407T234745_20200407T235626_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	J.
Number of products with errors: 194		
5.8 L2 Ocean Retracking Quality Check		
L2 Retracking Flags (20Hz)		
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz meas	urement record. The bit value of this flag indic	cates any problems when set.
Ocean Retracking Quality Flag: This flag is currently set for products over lar	d 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: 65		
L2 Retracking Flags (20Hz, PLRM)	A management report. The bit value of this fl	na indiantee any problems when act
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM Ocean Retracking Quality Flag (PLRM): This flag is currently set for products		
Number of products with errors: 147		
6 GOP I	2 Pole-to-Pole Data Quality	v Check
6.1 P2P Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e Number of products with errors: 0	nsure il consists of doth an XML header file (.	אחת a NetCur product file (.nc).
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		
C 2 D2D Auguitians Data File Haans Chaole		
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 va	alidity of Auxiliary Data Files is correct.
Number of products with errors: 0		
6.4 P2P Auxiliary Correction Error Check		
For all products, the auxiliary corrections within the Geophysical Group are che	cked for the default error value (32767).	
Currently, there are some common auxiliary correction errors raised in th followed by a table highlighting any additional issues which may arise fro		e to surface type. All common flags are summarised in the list below,
> ECMWF Meteo Corrections: Currently the following corrections are not corr Correction and the U-Wind and V-Wind components of the ECMWF model win not reported in the table below.	puted over CONTINENTAL ICE: Dry Troposp	
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for	products over sea ice, but this is to be expect	ied.
> Altimetric Wind Speed Error: The error value is currently set for products o	ver land and sea ice, but this is to be expecte	d.
Number of products with errors: 30		
Product	Test Failed	Description
CS_OFFL_SIR_GOP_220200406T235158_20200407T004135_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_220200407T004135_20200407T013112_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_220200407T013112_20200407T022049_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_220200407T022049_20200407T031026_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_220200407T031026_20200407T040002_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_220200407T040002_20200407T044939_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_220200407T044939_20200407T053916_C001	Mean Sea Surrace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Eruilibrium Long Perior	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_220200407T053916_20200407T062853_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_220200407T062853_20200407T071830_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_220200407T071830_20200407T080806_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_220200407T080806_20200407T085743_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_220200407T085743_20200407T094720_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_220200407T094720_20200407T103657_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_20200407T103657_20200407T112633_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_220200407T112633_20200407T121610_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_20200407T121610_20200407T130547_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_220200407T130547_20200407T135524_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_220200407T135524_20200407T144501_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_220200407T144501_20200407T153438_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_220200407T153438_20200407T162414_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_220200407T162414_20200407T171351_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_220200407T171351_20200407T180328_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_220200407T180328_20200407T185305_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_220200407T185305_20200407T194241_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_220200407T194241_20200407T203218_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_220200407T203218_20200407T212155_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_220200407T212155_20200407T221132_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_220200407T221132_20200407T230108_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_220200407T230108_20200407T235045_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_GOP_220200407T235045_20200408T004022_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. 0 Number of products with errors: 6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

CryoSat P2P data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.

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

Number of products	with errors:	29

P2P Quality Flags (20Hz PLRM)

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

Number of	products with errors:	

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors:

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

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

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

Number of products with errors:	28

P2P Retracking Flags PLRM

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

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

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