

QA4EO Daily Report for GOP data:

<u>24/12/2021</u>

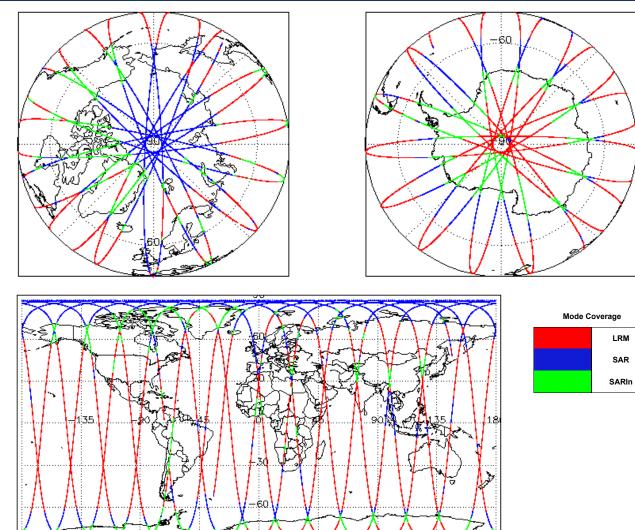
IDEAS-QAHEO

	05 1 0000	Check	L1 & L2	P2P
Report Production:	25-Jan-2022	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Brances Hands One Oct One a Drawner	Cruce Set Ocean Brasses	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
Data Used:		Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.2	See Section 7.2

1. Overview

Mission / Instru	Mission / Instrument News		
23-Dec-2021	None		
24-Dec-2021	None		
25-Dec-2021	Nothing planned		





3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

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

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.				
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B GOPR and GOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and				
OSARIn chains. A modification is required in the next release.				
Number of products with errors: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-d	etermined baseline and also to o	check the validity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement record.	The bit value of this flag indicate	s any problems when set		
Number of products with errors: 0	The bit value of the hag inclose			
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 fla	ag indicates any problems when set.		
Attitude Correction Missing: This flag is currently set in error for GOPR produc	ts due to a configuration issue. 1	This is being investigated and will be updated in the next SW update.		
Number of products with errors: 1				
Product	Test Failed	Description		
CS_OFFL_SIR_GOPM1B_20211224T201513_20211224T201544_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records		
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record.	-	s any problems when set.		
Loss of Echo Flag: This flag is currently set for some products over land, but this	s is to be expected.			
Number of products with errors: 25				
Product	Test Failed	Description		
CS_OFFL_SIR_GOPM1B_20211224T012552_20211224T013515_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPM1B_20211224T023036_20211224T023156_C001 CS_OFFL_SIR_GOPM1B_20211224T065821_20211224T073021_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		
CS_OFFL_SIR_GOPM1B_20211224T082207_20211224T082359_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20211224T015447_20211224T015658_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20211224T033406_20211224T033613_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20211224T041416_20211224T041606_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20211224T055351_20211224T055530_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20211224T065338_20211224T065821_C001 CS_OFFL_SIR_GOPN1B_20211224T132048_20211224T132345_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		
CS_OFFL_SIR_GOPN1B_20211224T141626_20211224T142236_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20211224T145813_20211224T150230_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20211224T181159_20211224T181746_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20211224T195337_20211224T195510_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20211224T201544_20211224T201749_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20211224T214418_20211224T214449_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20211224T005107_20211224T005652_C001 CS_OFFL_SIR_GOPR1B_20211224T050659_20211224T051130_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		
CS_OFFL_SIR_GOPR1B_20211224T095153_20211224T095228_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20211224T095653_20211224T100127_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20211224T132345_20211224T133057_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20211224T150230_20211224T150925_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20211224T155912_20211224T160037_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20211224T164053_20211224T164930_C001 CS_OFFL_SIR_GOPR1B_20211224T203532_20211224T203731_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. GOI	^P Level 2 Data Qua	lity Check		
5.1 L2 Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to ens	sure it consists of both an XML h	eader file (.HDR) and a NetCDF product file (.nc).		
Number of products with errors: 0				
5 2 L 2 Product Header Analysis				
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 incon	sistencies and/or errors raised by the ground-segment processing chain.		
Number of products with errors: 0				
5.3 L2 Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-d	etermined baseline and also to o	check the validity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
5.4 L2 Auxiliary Correction Error Check	5 4 1 2 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 that are expected, due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues that may arise from this test.

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20211224T001313_20211224T001738_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_20211224T005653_20211224T005928_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_20211224T015213_20211224T015324_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_20211224T022901_20211224T023036_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_20211224T023406_20211224T023743_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_20211224T033133_20211224T033358_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_20211224T033406_20211224T033613_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_20211224T041416_20211224T041606_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_20211224T042425_20211224T042646_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_20211224T051130_20211224T051557_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_20211224T065338_20211224T065821_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_20211224T073350_20211224T073729_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_20211224T083500_20211224T083652_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_20211224T091315_20211224T091634_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_20211224T092146_20211224T092311_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_20211224T100406_20211224T100512_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_20211224T110052_20211224T110200_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_20211224T114317_20211224T114430_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_20211224T132048_20211224T132345_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_20211224T141626_20211224T142236_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_20211224T145813_20211224T150230_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_20211224T154703_20211224T154933_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_20211224T155559_20211224T155911_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_20211224T163704_20211224T164053_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_20211224T173649_20211224T173806_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_20211224T181159_20211224T181746_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_20211224T204600_20211224T204726_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_20211224T205247_20211224T205555_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_20211224T214418_20211224T214449_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_20211224T222544_20211224T222805_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

	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_GOPN_2_20211224T223147_20211224T223520_C001	Topography (1)	Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20211224T000742_20211224T001203_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_20211224T001203_20211224T001313_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_20211224T014540_20211224T014859_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_20211224T014859_20211224T015213_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_20211224T015955_20211224T020103_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_GOPR_2_20211224T030456_20211224T031103_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_20211224T032521_20211224T033133_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20211224T050659_20211224T051130_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_20211224T064417_20211224T065337_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_20211224T082453_20211224T083240_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_20211224T100512_20211224T101256_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_20211224T114430_20211224T115152_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_20211224T132345_20211224T133057_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_20211224T135015_20211224T135217_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_20211224T150230_20211224T150925_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_20211224T164053_20211224T164930_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_20211224T181746_20211224T182527_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_20211224T195720_20211224T200341_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_20211224T200341_20211224T200628_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_20211224T213551_20211224T214241_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_20211224T214241_20211224T214417_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_20211224T231649_20211224T232140_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_20211224T232140_20211224T232304_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20211224T201513_20211224T201544_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20211223T232928_20211224T000019_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_GOPM_2_20211224T000057_20211224T000154_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 ext for one or more recorder.
CS_OFFL_SIR_GOPM_2_20211224T001816_20211224T003632_C001	Ocean Altimeter Range and Backscatter Quality and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20211224T003733_20211224T005107_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20211224T010245_20211224T010629_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_20211224T010829_20211224T012350_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_20211224T012552_20211224T013515_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_20211224T013919_20211224T013931_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_20211224T015324_20211224T015447_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_20211224T015724_20211224T015954_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_20211224T020103_20211224T021434_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_20211224T023036_20211224T023156_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_20211224T023324_20211224T023344_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_20211224T023743_20211224T024532_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_20211224T024813_20211224T030256_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_20211224T031755_20211224T031857_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_20211224T031920_20211224T031921_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_20211224T034055_20211224T041301_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_20211224T041606_20211224T041819_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_20211224T041834_20211224T042425_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_20211224T042753_20211224T045240_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_20211224T052451_20211224T055112_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_20211224T055818_20211224T060241_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_20211224T060633_20211224T063350_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_20211224T064227_20211224T064417_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_20211224T065821_20211224T073021_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_20211224T073729_20211224T074307_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_20211224T074612_20211224T075051_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20211224T082207_20211224T082359_C001	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20211224T083652_20211224T091008_C001	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20211224T091634_20211224T092146_C001	Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality	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_20211224T092623_20211224T094333_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20211224T101503_20211224T104851_C001	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20211224T105407_20211224T105634_C001	Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality	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_20211224T105640_20211224T110051_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_20211224T110535_20211224T113138_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20211224T113156_20211224T113916_C001	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20211224T115457_20211224T120611_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20211224T121238_20211224T122330_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20211224T122439_20211224T122812_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_20211224T123014_20211224T123533_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_20211224T123553_20211224T123756_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_20211224T124640_20211224T125911_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_20211224T130125_20211224T131842_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_20211224T134045_20211224T134955_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_20211224T135251_20211224T140704_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_20211224T140941_20211224T141436_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_20211224T142236_20211224T142431_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_20211224T144249_20211224T144503_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_20211224T144626_20211224T144852_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_20211224T144928_20211224T145016_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_20211224T151530_20211224T151629_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_20211224T153000_20211224T154614_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_20211224T154933_20211224T155403_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_20211224T160037_20211224T163500_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_20211224T170019_20211224T172541_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_20211224T172758_20211224T173305_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_20211224T173324_20211224T173649_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_20211224T174023_20211224T180725_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_20211224T180851_20211224T181159_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_20211224T183541_20211224T183750_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_20211224T183753_20211224T190430_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_20211224T190744_20211224T191220_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_20211224T191223_20211224T191556_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_20211224T192041_20211224T195337_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_20211224T200628_20211224T200837_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_20211224T203731_20211224T204247_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_20211224T204726_20211224T205246_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_20211224T205921_20211224T212058_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_20211224T212344_20211224T213326_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_20211224T214455_20211224T214913_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_20211224T214455_20211224T214913_C001 CS_OFFL_SIR_GOPM_2_20211224T220504_20211224T220950_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter 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 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_20211224T220504_20211224T220950_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter 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 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_20211224T220504_20211224T220950_C001 CS_OFFL_SIR_GOPM_2_20211224T221138_20211224T222202_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter 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 Ocean Altimeter 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_20211224T220504_20211224T220950_C001 CS_OFFL_SIR_GOPM_2_20211224T221138_20211224T222202_C001 CS_OFFL_SIR_GOPM_2_20211224T222806_20211224T223147_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter 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 Ocean Altimeter 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 The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_GOPM_2_20211224T220504_20211224T220950_C001 CS_OFFL_SIR_GOPM_2_20211224T221138_20211224T222202_C001 CS_OFFL_SIR_GOPM_2_20211224T222806_20211224T223147_C001 CS_OFFL_SIR_GOPM_2_20211224T223836_20211224T224350_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range and Backscatter Quality Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter 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 Ocean Altimeter 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 The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_GOPM_2_20211224T220504_20211224T220950_C001 CS_OFFL_SIR_GOPM_2_20211224T221138_20211224T222202_C001 CS_OFFL_SIR_GOPM_2_20211224T222806_20211224T223147_C001 CS_OFFL_SIR_GOPM_2_20211224T223836_20211224T224350_C001 CS_OFFL_SIR_GOPM_2_20211224T224359_20211224T225131_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter 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 Ocean Altimeter 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 The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20211224T220504_20211224T220950_C001 CS_OFFL_SIR_GOPM_2_20211224T221138_20211224T222202_C001 CS_OFFL_SIR_GOPM_2_20211224T222806_20211224T223147_C001 CS_OFFL_SIR_GOPM_2_20211224T223836_20211224T224350_C001 CS_OFFL_SIR_GOPM_2_20211224T224359_20211224T225131_C001 CS_OFFL_SIR_GOPM_2_20211224T225201_20211224T231047_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter 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 Ocean Altimeter 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 The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter 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 Ocean Altimeter 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 Ocean Altimeter 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 OCCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_GOPM_2_20211224T232816_20211224T235926_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_20211224T015447_20211224T015658_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_20211224T033133_20211224T033358_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_20211224T042425_20211224T042646_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_20211224T051130_20211224T051557_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_20211224T055351_20211224T055530_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_20211224T155403_20211224T155409_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_20211224T173306_20211224T173308_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_20211224T173318_20211224T173324_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_20211224T181159_20211224T181746_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_20211224T195337_20211224T195510_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_20211224T203459_20211224T203503_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_20211224T023345_20211224T023406_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_20211224T050249_20211224T050511_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_20211224T095653_20211224T100127_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_20211224T113933_20211224T113953_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_20211224T165533_20211224T165603_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_20211224T195720_20211224T200341_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_20211224T204247_20211224T204600_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20211224T000648_20211224T000742_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_20211224T001313_20211224T001738_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_20211224T010127_20211224T010245_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_20211224T013515_20211224T013824_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

Disc Disc <thdisc< th=""> Disc Disc <thd< th=""><th></th><th></th><th></th></thd<></thdisc<>			
0.00000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20211224T015447_20211224T015658_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Circle Biological Control COOR Biological Code Door Biological Biological Code Circle Sign Code 2, 20011241102410 2001 COOR Biological Code The COOR Biological	CS_OFFL_SIR_GOPN_2_20211224T021434_20211224T022037_C001		
COUNTLORM, CARTINITION CONTRACT 2011 2011 2011 2011 2011 2011 2011 201	CS_OFFL_SIR_GOPN_2_20211224T022108_20211224T022555_C001		
CB_OFFL_BB_OFFL_2_S01122170340B_J0211221703576_001 Image: Descent Code (FLA, Code) Image: Descent Code (FLA, Code) CB_OFFL_BB_OFFL_2_S011221702470_S12_S0211221704576_001 CCCO Alterest Resp. Code (FLA, Code) Image: Descent Code (FLA, Code) CB_OFFL_BB_OFFL_2_S011221702470_S12_S021122170576_001 CCCO Alterest Resp. Code (FLA, Code) Image: Descent Code (FLA, Code) CB_OFFL_BB_OFFL_2_S011221702470_S12_S021122170576_001 CCCO Alterest Resp. Code (FLA, Code) Image: Descent Code (FLA, Code) CB_OFFL_BB_OFFL_2_S011221702470_S12_S021122170576_001 CCCO Alterest Resp. Code (FLA, Code) Image: Descent Code (FLA, Code) CB_OFFL_BB_OFFL_2_S011221702470_S16_S02011 CCCO Alterest Resp. S024_VFLA, Image: Descent Code VFLA, Code Alterest Resp. S024_VFLA, Image: Descent Code VFLA, Image: Descent C	CS_OFFL_SIR_GOPN_2_20211224T022901_20211224T023036_C001		
Concern Long Control Contro Control Control Control Control Control Control Con	CS_OFFL_SIR_GOPN_2_20211224T023406_20211224T023743_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Der_LEPL_SH_QUPPL_20211241103181_20211241103181_20211241103181_20211241103181_20211241103183_20211241103181_20211241103183_20211241103183_20211241103183_20211241103183_20211241103183_20211241103183_20211241103183_20211241103183_20211241103181_20211241103183_20211241103181_202112241103181000001	CS_OFFL_SIR_GOPN_2_20211224T024532_20211224T024719_C001		
CM_CM_GUD_C_201124110333_2011241103336_2011 COCG Bassessift Quily The result CB_CMPL_SR_GOM_2_201124110336_201124110336_CO11 Common Regins SMA_SMM_ Anterest Regins of Bassessift Quily PLBA_NOCCO, Market Regins of Bassessift Quily The Cocm Alterest Regins, SMA_SMM_ The Cocm	CS_OFFL_SIR_GOPN_2_20211224T031211_20211224T031549_C001		
CB_OFFL_SIR_GOPN_2_20211224T00300_20211224T003015_0001 Incl Badcatter Cuality FLMA. OCCI Incl Badcatter Cuality FLMA. OCCI Dean Allinete Range and Badcatter Cuality FLMA. OCCI Incl Badcatter Cuality FLMA. OCCI Incl Badcatter Cuality FLMA. OCCI CS_OFFL_SIR_GOPN_2_20211224T033561_20211224T03561_C001 Occin Allinete Range SIMA SWH Incl Cont Allinete Range SIMA SWH CS_OFFL_SIR_GOPN_2_20211224T045416_20211224T045466_C001 OCCO Allinete Range Cuality FLMA. The OCCI Range and Badcatter Cuality FLMA. CS_OFFL_SIR_GOPN_2_20211224T045416_20211224T045416_C001 OCCO Allinete Range Cuality FLMA. The OCCI Range and Badcatter Cuality FLMA. CS_OFFL_SIR_GOPN_2_20211224T045416_20211224T045616_C001 OCCO Allinete Range Cuality FLMA. The OCCI Range and Badcatter Cuality FLMA. CS_OFFL_SIR_GOPN_2_20211224T045240_20211224T045261_C001 OCCO Allinete Range Cuality FLMA. The OCCI Range and Badcatter Cuality FLMA. CS_OFFL_SIR_GOPN_2_20211224T066269_C001 OCCO Allinete Range Cuality FLMA. The OCCI Range and Badcatter Cuality FLMA. CS_OFFL_SIR_GOPN_2_20211224T066269_C001 OCCO Allinete Range Cuality FLMA. The OCCI Range and Badcatter Cuality FLMA. CS_OFFL_SIR_GOPN_2_20211224T066269_C001 OCCO Allinete Range Cuality FLMA. The OCCI Range and Badcatter Cuality FLMA. CS_OFFL_SIR_GOPN_2_20211224T066269_C001 OCCO Allineter Range Cuality FLMA. The OCCI Range and Badca	CS_OFFL_SIR_GOPN_2_20211224T033133_20211224T033358_C001		
CS_OFFL_SIR_GOEN_2_20211224T03556_0211224T035716_CO01 And Basksatter Couling FTRM_COCO Interdiscipation of an one records CS_OFFL_SIR_GOEN_2_20211224T04168_02001 COCO Almeter Range SSIA, SVH The OCOR Almeter Range SSIA, SVH CS_OFFL_SIR_GOEN_2_20211224T04568_0201 COCO Almeter Range Couling FTRM The OCOR Almeter Range SSIA, SVH CS_OFFL_SIR_GOEN_2_20211224T04568_0201 COCO Almeter Range Couling FTRM The OCOR Range and Backscatter Couling FTRg Inter been set for one or one records CS_OFFL_SIR_GOEN_2_20211224T05680_02011224T05669_001 COCO Almeter Range Couling FTRM The OCOR Range and Backscatter Couling FTRg Inter been set for one or one records CS_OFFL_SIR_GOEN_2_20211224T05669_001 COCO Almeter Range Couling FTRM The OCOR Range and Backscatter Couling FTRg Inter been set for one or more records CS_OFFL_SIR_GOEN_2_20211224T05669_0001 COCO Almeter Range SSIA, SVH Inter beackscatter Couling FTRg Inter beack	CS_OFFL_SIR_GOPN_2_20211224T033406_20211224T033613_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_GOPN_2_20211224T04148_20211224T04160_C001 And Backsatter Quality PLRM_C002 The Outcomment and Backsatter Quality Plags have been set for one or more records GS_OFFL_SIR_GOPN_2_20211224T04240_20211224T04240_20211224T054816_C001 COCG Altimeter Range Quality PLRM, COCG Backsatter Quality PLRM, COCG Backsat	CS_OFFL_SIR_GOPN_2_20211224T033651_20211224T033716_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_20211224T06239_20211224T060249_0001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_20211224T060239_20211224T060249_0001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T060239_20211224T060599_0001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T06159_20211224T061597_0001 OCOG Altimeter Range SNA_SWH Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T06159_20211224T061690_0001 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_20211224T061592_0021 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_20211224T083340_20211224T08431_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_20211224T083340_20211224T08341_C001 OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T084324_0211224T08341	CS_OFFL_SIR_GOPN_2_20211224T041416_20211224T041606_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OPEL_SIR_GOPN_2_202112241050039_20211224105059_C001 OCCOB Backscatter Quality Incore records CS_OPEL_SIR_GOPN_2_202112241050157_0001 Occean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records CS_OPEL_SIR_GOPN_2_202112241051130_20211224105157_0001 Occean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records CS_OPEL_SIR_GOPN_2_202112241051130_20211224105157_0001 OCCOA Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records CS_OPEL_SIR_GOPN_2_20211224105130_20211224105157_0001 OCCOA Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records CS_OPEL_SIR_GOPN_2_202112241051330_20211224105157_0001 OCCOA Alimeter Range Quality PLRM, OCCOG Backscatter Quality Flags have been ast for one or more records CS_OPEL_SIR_GOPN_2_202112241058338_202112241058321_0001 OCCOA Alimeter Range Quality PLRM, OCCOG Backscatter Quality Flags have been ast for one or more records CS_OPEL_SIR_GOPN_2_202112241082342_002112241082452_C001 OCCOA Alimeter Range Quality PLRM, OCCOG Backscatter Quality Flags have been ast for one or more records CS_OPEL_SIR_GOPN_2_202112241082340_002112241082452_C001 OCCOA Alimeter Range Quality PLRM, OCCOG Backscatter Quality Flags have been ast for one or more records CS_OPEL_SIR_GOPN_2_202112241082340_002112241082440_C001 OCCCA Alimeter Range Quality PLRM, OCCOG Alimeter Range and Backscatter Quality Flags have been ast for one or more	CS_OFFL_SIR_GOPN_2_20211224T045240_20211224T045616_C001		
GS_OFFL_SIR_GOPN_2_20211224T05652_0021 amt Backscatter Quality PLRM. CCCO Attimuter Range and Backscatter Quality PLRM. The Ocean Attimuter Range and Backscatter Quality Plags and Bockscatter Quality PLRM. CS_OFFL_SIR_GOPN_2_20211224T05153_00211224T05157_C001 Detern Attimuter Range SNA, SWH and Backscatter Quality PLRM. The Ocean Attimuter Range and Backscatter Quality Plags and the CCCO Attimuter Range and Backscatter Quality Plags and the CCC Attimuter Range and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T05158_20211224T056521_C001 OCCCA Attimeter Range Quality PLRM. CCCG Backscatter Quality PLRM. The OCCGA Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T08538_20211224T086521_C001 OCCCA Attimeter Range Quality PLRM. CCCG Backscatter Quality The OCCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T082452_0211224T082453_C001 OCCCA Attimeter Range Quality PLRM. CCCG Backscatter Quality The OCCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T082146_20211224T082452_C001 OCCCA Attimeter Range SSHA_SWH and Backscatter Quality PLRM. CCCGO Backscatter Quality PLRM. CCGO Gackscatter Quality PLRM. C	CS_OFFL_SIR_GOPN_2_20211224T050239_20211224T050249_C001		
GS_OFFL_SIR_GOPN_2_20211224T061130_20211224T061557_C001 and Backscatter Quality FLM, OCCO Attimeter Range and Backscatter Quality FLM, DCCO Attimeter Range and Backscatter Quality FLM, DCCO Attimeter Range and Backscatter Quality FLM, DCCO Attimeter Range and Backscatter Quality FLM, DCCO CCO Attimeter Range Quality PLM, DCCO Attimeter Range, SNA, SWH and Backscatter Quality FLMs have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T08246_20211224T082414_C001 DCCOA Attimeter Range Quality PLM, DCCOA Backscatter Quality PLM, DCCOA Backscatter Quality PLM, DCCOA Backscatter Quality PLM, DCCOA Backscatter Quality PLM, DCCOA Attimeter Range, SNA, SWH and Backscatter Quality FLMS and the CCOA Attimeter Range, SSNA, SWH and Backscatter Quality PLM, DCCOA Attimeter Range and Backscatter Quality FLM, DCCOA Attimeter Range and Backscatter Quality FLM, DCCOA Attimeter Range and Backscatter Quality FLMA, DCCOA	CS_OFFL_SIR_GOPN_2_20211224T050627_20211224T050659_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_202112241001630_2021122410065338_2021122410065821_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_20211224T065338_20211224T06545_C001 OCOG Allimeter Range Quality PLRM, OCOG Allimeter Range And Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T065338_20211224T06545_C001 OCCG Allimeter Range Quality PLRM, OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T100406_20211224T100512_C001 OCCG Allimeter Range Quality PLRM, OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T113953_20211224T114117_C001 OCCG Allimeter Range Quality PLRM, OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T113255_20211224T1123545_C001 OCCG Allimeter Range Quality PLRM, OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20211224T051130_20211224T051557_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_20211224108338_20211224108342_2001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_20211224T082422_20211224T082453_C001 OCOG Altimeter Range Quality PLRM, COG Backscatter Quality PLRM, COG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T083240_20211224T083414_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_20211224T082146_20211224T082311_C001 OcoG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T082146_20211224T082465_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Batkscatter Quality PLRM, OCOG Batkscatter Quality PLRM, or one cords The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T100406_20211224T100512_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags Altimeter Range and Backscatter Quality The OCOG Range and Backscatter Quality Flags and the OCOG Range and Backscatter Quality Flags and the OCOG Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and	CS_OFFL_SIR_GOPN_2_20211224T051638_20211224T051800_C001		
CS_OFFL_SIR_GOPN_2_202112241082422_202112241083240_202112241083240_2021122410832414_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_20211224T083240_20211224T0832414_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_20211224T092146_20211224T092311_C001 Marker Range and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T094333_20211224T094645_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T100406_20211224T100512_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T1100406_20211224T1100512_C001 OCCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T113853_20211224T114117_C001 OCCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T1132048_20211224T1132944_C001 OCCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T1132048_20211224T1132945_C	CS_OFFL_SIR_GOPN_2_20211224T065338_20211224T065821_C001		
CS_OFFL_SIR_GOPN_2_20211224T093240_20211224T093311_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_20211224T092146_20211224T092311_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 PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T094333_20211224T094645_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_20211224T100406_20211224T100512_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T113953_20211224T114117_C001 OCCG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, 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_20211224T1123756_20211224T1123944_C001 OCCG Altimeter Range 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_GOPN_2_20211224T132048_20211224T132345_C001 OCCG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality F	CS_OFFL_SIR_GOPN_2_20211224T082422_20211224T082453_C001		а , с
CS_OFFL_SIR_GOPN_2_20211224T092146_20211224T092311_C001 and Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality PLRM The OCOG Atimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T094333_20211224T094645_C001 OCOG Atimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Atimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T100406_20211224T100512_C001 Ococa Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T113953_20211224T114117_C001 OCOG Attimeter Range Quality PLRM, OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, CCG G Backscatter Quality PLRM, CCG G Attimeter Range Quality PLRM, CCG G Attimeter Range Quality PLRM, CCG Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T113953_20211224T114117_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T132048_20211224T132345_C001 OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_	CS_OFFL_SIR_GOPN_2_20211224T083240_20211224T083414_C001		
CS_OFFL_SIR_GOPN_2_202112241094033_202112241094045_C001 OCOG Backscatter Quality more records OCS_OFFL_SIR_GOPN_2_20211224T100406_20211224T100512_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_20211224T113953_20211224T114117_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_20211224T123756_20211224T114117_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_20211224T123756_20211224T123944_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T132048_20211224T132345_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags 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_GOPN_2_20211224T132048_20211224T132045_C001 Ocean Altimeter Range and Backscatter Quality Flags and backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T133654_20211224T134045_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_GOPN_2_20211224T092146_20211224T092311_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_20211224T100406_20211224T100512_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T113953_20211224T114117_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_20211224T123756_20211224T123944_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_20211224T123756_20211224T123944_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_20211224T132048_20211224T132345_C001 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_GOPN_2_20211224T132048_20211224T132045_C001 OCOG Altimeter Range and Backscatter Quality PLRM The Ocog Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or set for one or more records	CS_OFFL_SIR_GOPN_2_20211224T094333_20211224T094645_C001		
CS_OFFL_SIR_GOPN_2_20211224T133953_20211224T133954_20211224T132345_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_20211224T132048_20211224T132345_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM, The OCCOG Altimeter Range and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM, The OCCOG Range and Backscatter Quality FLRM, The OCC	CS_OFFL_SIR_GOPN_2_20211224T100406_20211224T100512_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_20211224T132048_20211224T132345_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_20211224T132048_20211224T132345_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20211224T132048_20211224T132045_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_20211224T113953_20211224T114117_C001		
CS_OFFL_SIR_GOPN_2_20211224T132048_20211224T132045_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_GOPN_2_20211224T123756_20211224T123944_C001		
	CS_OFFL_SIR_GOPN_2_20211224T132048_20211224T132345_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_20211224T133654_20211224T134045_C001		

CS OFFL SIR GOPN 2 20211224T141626 20211224T142236 C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
00_0FFE_0IN_00FFN_2_202112241141020_202112241142230_0001	Altimeter Range and Backscatter Quality PLRM	set for one or more records
CS_OFFL_SIR_GOPN_2_20211224T145339_20211224T145501_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_20211224T145813_20211224T150230_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_20211224T151902_20211224T152046_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_20211224T154703_20211224T154933_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_20211224T163704_20211224T164053_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_20211224T165638_20211224T170019_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_20211224T181159_20211224T181746_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_20211224T182527_20211224T182540_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_20211224T182651_20211224T182735_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_20211224T190620_20211224T190744_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_20211224T195337_20211224T195510_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_20211224T200914_20211224T201036_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_20211224T201449_20211224T201513_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_20211224T204600_20211224T204726_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_20211224T205247_20211224T205555_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_20211224T220136_20211224T220504_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_20211224T222544_20211224T222805_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_20211224T232304_20211224T232325_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_20211224T000019_20211224T000057_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_20211224T000742_20211224T001203_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_20211224T001203_20211224T001313_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_20211224T003633_20211224T003733_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_20211224T005107_20211224T005652_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_20211224T012350_20211224T012552_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_20211224T014859_20211224T015213_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

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CPUT-DE_SQUERE_CONT_CONTRACTION COCOD Based and Control Incremental CB_OPH_SH_QUERE_CONT_CONTROL INSUIT_CONT COCOD Based and P Control The COCOD Control Insuit P Control CB_OPH_SH_QUERE_CONT_CONTROL INSUIT_CONT COCOD Based and P Control The COCOD Control Insuit P Control CB_OPH_SH_QUERE_CONT_CONTROL INSUIT_CONT COCOD Based and P Control The COCOD Control Insuit P Control CB_OPH_SH_QUERE_CONT_CONTROL INSUIT_CONT COCOD Based and P Control The COCOD Control Insuit P Control CB_OPH_SH_QUERE_CONT_CONTROL INSUIT_CONT COCOD Based and P Control The COCOD Control Insuit P Control CB_OPH_SH_QUERE_CONT_CONTROL INSUIT_CONT COCOD Based and P Control The Cocon Advance Reage and Based and P Control CB_OPH_SH_QUERE_CONT_CONTROL INSUIT_CONT COCOD Advance Reage Control The Cocon Advance Reage and Based and P Control CB_OPH_SH_QUERE_CONT_CONTROL INSUIT_CONT COCOD Advance Reage Control The Cocon Advance Reage and Based and P Control CB_OPH_SH_QUERE_CONT_CONTROL INSUIT_CONT COCOD Advance Reage Control The Cocon Advance Reage Control CB_OPH_SH_QUERE_CONT_CONTROL INSUIT_CONT COCOD Advance Reage Control The Cocon Advance Reage Control CB_OPH_SH_QUERE_CONT_CONTROL INSUIT_CONTROL INSUIT_CONTROL INSUIT_CONTROL INSUIT_CONTROL INSUIT_CONTROL INSUIT_CONTROL INSUI	CS_OFFL_SIR_GOPR_2_20211224T033613_20211224T033651_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Dot MILL Sing GOPR 2, 202112241100208, 202112241100209, 202112241100	CS_OFFL_SIR_GOPR_2_20211224T033717_20211224T033931_C001		
 DCG Backcell Calify DCG Backcell Calify<	CS_OFFL_SIR_GOPR_2_20211224T050236_20211224T050238_C001		
CS_OFTL_SIR_GOPR_2_20211224T05655_02211224T05130_CO11 Ind Backsother Quality FLMM_CO26 Minister Range and Backsother Quality FLMM_CO26 The OCCE Range and Backsother Quality FLMM_CO26 CS_OFTL_SIR_GOPR_2_20211224T054110_20211224T08428_CO11 OCCE Allineter Range Cuality FLMM_CO26 CS_OFTL_SIR_GOPR_2_20211224T054110_20211224T08428_CO11 OCCE Allineter Range SIM_SIM_ENDM_CO26 CS_OFTL_SIR_GOPR_2_20211224T073022_20211224T073325_CO11 OCCE Allineter Range SIM_SIM_ENDM_CO26 CS_OFTL_SIR_GOPR_2_20211224T07322_20211224T073325_CO11 OCCE Allineter Range SIM_SIM_ENDM_CO26 CS_OFTL_SIR_GOPR_2_20211224T07322_20211224T07328_CO11 OCCE Allineter Range SIM_SIM_ENDM_CO26 CS_OFTL_SIR_GOPR_2_20211224T07322_20211224T07328_CO11 OCCE Allineter Range SIM_SIM_ENDM_CO26 CS_OFTL_SIR_GOPR_2_20211224T07322_20211224T08549_CO11 OCCE Allineter Range SIM_SIM_ENDM_CO26 CS_OFTL_SIR_GOPR_2_20211224T08549_CO11 OCCE Allineter Range Cuality FLMM_CO26 CS_OFTL_SIR_GOPR_2_20211224T08549_CO11 OCCE Allineter Range Cuality FLMM_CO26 CS_OFTL_SIR_GOPR_2_20211224T08549_CO11 OCCCE Allineter Range SIM_SIM_CO26 </td <td>CS_OFFL_SIR_GOPR_2_20211224T050249_20211224T050511_C001</td> <td></td> <td></td>	CS_OFFL_SIR_GOPR_2_20211224T050249_20211224T050511_C001		
Copert_SIR_GOPR_2_2011124110410_0011241108028_2001 OCOG Bedstacter Quility more records CS_OFFL_SIR_GOPR_2_20211224T06437_20211224T06537_COOL More Allineter Range, SSIA, SOVI Annual Backscalter Quility Flags The OCOG Allineter Range, SSIA, SOVI and Backscalter Quility Flags CS_OFFL_SIR_GOPR_2_20211224T06437_20211224T07330_COOL More an mare records The OCOG Allineter Range and Backscalter Quility Flags CS_OFFL_SIR_GOPR_2_20211224T081737_00211224T08240_COOL COCG Backscalter Quility Flags The OCOG Allineter Range and Backscalter Quility Flags CS_OFFL_SIR_GOPR_2_20211224T081747_00211224T08240_COOL COCG Backscalter Quility Flags The OCOG Range and Backscalter Quility Flags CS_OFFL_SIR_GOPR_2_20211224T081747_00211224T08240_COOL COCG Backscalter Quility Flags The OCOG Range and Backscalter Quility Flags CS_OFFL_SIR_GOPR_2_20211224T08240_COOL COCG Allineter Range SSIA, SVII and Backscalter Quility Flags The OCOG Range and Backscalter Quility Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T08542_0011224T082460_COOL COCG Allineter Range, SSIA, SVII and Backscalter Quility Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T085452_00211224T085450_COOL COCG Allineter Range, SSIA, SVII and Backscalter Quility Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T1085463_00211224T1085460_COOL COCG Allineter Range, SSIA, SVII and Backscalter	CS_OFFL_SIR_GOPR_2_20211224T050659_20211224T051130_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_GOPR_2_202112241708222_20211224170330_C001 and Backscatter Cuality FLRM_COCG The Occon Alimeter Range SNA_SWH and Backscatter Cuality Flags have been set for one or more recods. GS_OFFL_SIR_GOPR_2_202112241708222_202112241708210_C001 COCG Alimeter Range SNA_SWH and Backscatter Cuality Flags have been set for one or more recods. GS_OFFL_SIR_GOPR_2_202112241708205_202112241708210_C001 COCG Alimeter Range SNA_SWH and Backscatter Cuality Flags have been set for one or more recods. GS_OFFL_SIR_GOPR_2_202112241708205_202112241708210_C001 COCG Alimeter Range SNA_SWH and Backscatter Cuality Flags have been set for one or more recods. GS_OFFL_SIR_GOPR_2_202112241708205_202112241708210_C001 COCG Alimeter Range SNA_SWH and Backscatter Cuality Flags have been set for one or more recods. GS_OFFL_SIR_GOPR_2_202112241708205_2021122417	CS_OFFL_SIR_GOPR_2_20211224T064110_20211224T064226_C001		
GS_OFFL_SIR_GOPR_2_20211224T070322_20211224T073350_0001 and Backscatter Quality PLRM, QCOG Allmeter Range and Backscatter Quality Flags, New Seen PLRM Intel Water Cargo and Backscatter Quality Flags, New Seen PLRM CS_OFFL_SIR_GOPR_2_20211224T082132_2001 COCG Allmeter Range Quality PLRM, QCOG Allmeter Range SHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T100562_20211224T100127_C001 OCCG Allmeter Range SHA, SWH and Backscatter Quality PLRM, QCOG Allmeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T100512_20211224T115152_C001 OCCGA Allmeter Range Quality PLRM, QCOG Allmeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T115152_20211224T115152_C001 OCCGA Allmeter	CS_OFFL_SIR_GOPR_2_20211224T064417_20211224T065337_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Des_OPPE_SIR_GOPR_2_20211224108219_20211224108219_2001 OCCOB Backscatter Quality Immore records CS_OFFL_SIR_GOPR_2_20211224108249_C001 Occean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Immore records CS_OFFL_SIR_GOPR_2_20211224108249_C001 OCCOA Altimeter Range Quality PLM, CCOO Altimeter Range Quality PLM, CCOO Altimeter Range Quality PLM, CCOO Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224108549_C001 OCCOA Altimeter Range Quality PLM, CCOO Backscatter Quality PLM, CCOO Backscatter Quality PLM, CCOO Backscatter Quality PLM, CCOO Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224100552_202112241100127_0001 OCCOA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202112241100152_02011224110125_0001 OCCAA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_2021122411104126_0001 OCCAA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202112241116417_202112241115152_0001 OCCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202112241115415_00211 OCCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPR_2_20211224T073022_20211224T073350_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_GOPR_2_20211224T084543_02211224T083540_C001 and Backscatter Quality PLRM, CCCOC And mater Range and Backscatter Quality PLRM, CS_OFFL_SIR_GOPR_2_20211224T085414_02211224T084549_C001 CCCOC Altimeter Range Quality PLRM, CCCOC Backscatter Quality PLRM, CCS_OFFL_SIR_GOPR_2_20211224T100512_02211224T101256_C001 The OCCOR Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been PLRM The OCCOR Altimeter Range, SSHA, SWH and the OCCOC Altimeter Range, SSHA, SWH and backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T116417_20211224T11646_C001 OCCOA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCCOA Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPR_2_20211224T081737_20211224T082112_C001		
OCOG Backscatter Quality more records OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_GOPR_2_20211224T006553_20211224T100127_C001 OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Alimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Alimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T115452_C001 OCOG Alimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Alimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T1154511_20211224T1130125_C001 OCOG Alimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOC Alimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T132015_20211224T133057_C001 OCOG Alimeter Range SSHA, SWH and Backscatter Quality PLRM, OCOC Alimeter Range and Backscatter Quality Flags have been set for one or more reco	CS_OFFL_SIR_GOPR_2_20211224T082453_20211224T083240_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
US_OFFL_SIR_GOPR_2_20211224T1095653_20011 OCC6 Backscatter Quality more records OCS_OFFL_SIR_GOPR_2_20211224T1095653_20211224T100127_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records OCS_OFFL_SIR_GOPR_2_20211224T100512_20211224T11552_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records OCS_OFFL_SIR_GOPR_2_20211224T115417_20211224T11552_C001 Ocean Altimeter Range Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_GOPR_2_20211224T115417_20211224T11552_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_GOPR_2_20211224T115417_20211224T115456_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T132057_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T133015_20211224T133057_C001 OCCGG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T135015_20211224T135217_C001 OCCGG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T159025_2001 OCCGG Altime	CS_OFFL_SIR_GOPR_2_20211224T083414_20211224T083459_C001		
CS_OFFL_SIR_GOPR_2_20211224T095653_20211224T100127_C001 and Backscatter Quality PLRM, OCCG Interfer Range, and Backscatter Quality PLRM, interfer Range, and Backscatter Quality PLRM, MCCG CS_OFFL_SIR_GOPR_2_20211224T100512_20211224T101256_C001 Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, MCCG CS_OFFL_SIR_GOPR_2_20211224T114430_20211224T115152_C001 Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, MCCG CS_OFFL_SIR_GOPR_2_20211224T115417_20211224T115456_C001 OCCG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, MCCG CS_OFFL_SIR_GOPR_2_20211224T115417_20211224T115456_C001 OCCG Attimeter Range Quality PLRM, MCCG CS_OFFL_SIR_GOPR_2_20211224T1152517_C001 OCCG Attimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T155915_2021	CS_OFFL_SIR_GOPR_2_20211224T095522_20211224T095653_C001		
CS_OFFL_SIR_GOPR_2_20211224T100512_20211224T101256_C001 and Backscatter Quality PLRM, CCCG and Mater Range and Backscatter Quality Flags have been ast for one or more records CS_OFFL_SIR_GOPR_2_20211224T114430_20211224T115152_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, CCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, CCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, CCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, CCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T115417_20211224T115456_C001 OCCG Altimeter Range Quality PLRM, CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T115417_20211224T115456_C001 OCCG Altimeter Range Quality PLRM, CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T132345_20211224T130125_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T132345_20211224T133057_C001 OCCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T135015_20211224T135217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T150925_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records CS_OFFL_SIR_GOPR_2_20211224T150932_02011224T160037_C001 </td <td>CS_OFFL_SIR_GOPR_2_20211224T095653_20211224T100127_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>	CS_OFFL_SIR_GOPR_2_20211224T095653_20211224T100127_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_20211224T114430_20211224T115152_C001 and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM The OCGG Altimeter Range, SHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20211224T115417_20211224T115456_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T125911_20211224T130125_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T132345_20211224T133057_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20211224T135015_20211224T135015_20211224T135217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM The OCean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM The OCean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20211224T150912_20211224T150925_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T150912_20211224T160037_C001 Ceean Altimeter Range, SSHA, SWH a	CS_OFFL_SIR_GOPR_2_20211224T100512_20211224T101256_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_20211224T113941_20211224T119465_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPR_2_20211224T125911_20211224T130125_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T132345_20211224T133057_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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality PLRM Cs_OFFL_SIR_GOPR_2_20211224T150925_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM <td>CS_OFFL_SIR_GOPR_2_20211224T114430_20211224T115152_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>	CS_OFFL_SIR_GOPR_2_20211224T114430_20211224T115152_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_20211224T123911_20211224T130125_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPR_2_20211224T132345_20211224T133057_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range	CS_OFFL_SIR_GOPR_2_20211224T115417_20211224T115456_C001		
CS_OFFL_SIR_GOPR_2_20211224T132345_20211224T133057_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20211224T135015_20211224T135217_C001 Docean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality FLRM, OCOG Attimeter Range and Backscatter	CS_OFFL_SIR_GOPR_2_20211224T125911_20211224T130125_C001		
CS_OFFL_SIR_GOPR_2_20211224T135015_20211224T135217_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM In B Ocean Altimeter Range, and Backscatter Quality PLRM In B Ocean Altimeter Range, and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_GOPR_2_20211224T150230_20211224T150925_C001 Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_GOPR_2_20211224T155912_20211224T160037_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been at the Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20211224T164053_20211224T164930_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, and Backscatter Quality PLRM, OCOG Altimeter R	CS_OFFL_SIR_GOPR_2_20211224T132345_20211224T133057_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_20211224T150230_20211224T150925_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags had the OCOG Altimeter Range, and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20211224T155912_20211224T160037_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20211224T164053_20211224T164930_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, and Backscatter Qua	CS_OFFL_SIR_GOPR_2_20211224T135015_20211224T135217_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_20211224T155912_20211224T160037_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_20211224T164053_20211224T164930_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG	CS_OFFL_SIR_GOPR_2_20211224T150230_20211224T150925_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_20211224T164053_20211224T164930_C001	CS_OFFL_SIR_GOPR_2_20211224T155912_20211224T160037_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
PLRM set for one or more records	CS_OFFL_SIR_GOPR_2_20211224T164053_20211224T164930_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	

CS_OFFL_SIR_GOPR_2_20211224T181746_20211224T182527_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_20211224T182735_20211224T182816_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_20211224T191712_20211224T192041_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_20211224T195510_20211224T195545_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_20211224T195720_20211224T200341_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_20211224T200341_20211224T200628_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_20211224T203532_20211224T203731_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_20211224T205555_20211224T205921_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_20211224T213327_20211224T213547_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_20211224T213551_20211224T214241_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_20211224T214241_20211224T214417_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_20211224T222202_20211224T222544_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_20211224T231107_20211224T231110_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_20211224T231508_20211224T231643_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_20211224T231649_20211224T232140_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_20211224T232140_20211224T232304_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_20211224T232325_20211224T232448_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_20211224T232455_20211224T232722_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 & 1 Hz PLRM)	·	
Currently, there are several common flags raised in the Level 2 products,	which are summarised below.	
> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set for	products over sea ice, which is to be expected	ad.
Number of products with errors: 205		
5.8 L2 Ocean Retracking Quality Check		
L2 Retracking Flags (20 Hz)		
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz measu	urement record. The bit value of this flag indic	ates any problems when set.
Ocean Retracking Quality Flag: This flag is currently set for products over lan	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: 61		

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

0

168

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

0

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

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOP_220211223T232152_20211224T001130_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_220211224T001130_20211224T010107_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_220211224T010107_20211224T015045_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_220211224T015045_20211224T024021_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220211224T024021_20211224T033000_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_20211224T033000_20211224T041936_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_220211224T041936_20211224T050915_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_220211224T050915_20211224T055851_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_220211224T055851_20211224T064829_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_220211224T064829_20211224T073806_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220211224T073806_20211224T082744_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_20211224T082744_20211224T091720_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_220211224T091720_20211224T100659_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_220211224T100659_20211224T105635_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_220211224T105635_20211224T114613_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_220211224T114613_20211224T123549_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_220211224T123549_20211224T132528_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_220211224T132528_20211224T141504_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_220211224T141504_20211224T150443_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_220211224T150443_20211224T155419_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_220211224T155419_20211224T164357_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_220211224T164357_20211224T173334_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_220211224T173334_20211224T182312_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_220211224T182312_20211224T191249_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_220211224T191249_20211224T200227_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_220211224T200227_20211224T205203_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_220211224T205203_20211224T214142_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_220211224T214142_20211224T223118_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_220211224T223118_20211224T232056_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_20211224T232056_20211225T001032_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.

	Number of products with errors: 1		
	Product	Test Failed	Description
-	CS_OFFL_SIR_GOP_220211224T200227_20211224T205203_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check			
	,		/
P2P Quality Flags (20 Hz)			

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:	30				
P2P Quality Flags (20 Hz PLRM)					
Since the P2P Quality Flags are copied div	ectly from the L2 Quality Flag	js, please see Section 5.6 for th	e full list of products affected.		
Number of products with errors:	30				
P2P Quality Flags (1 Hz & 1 Hz Pl	_RM)				
Since the P2P Quality Flags are copied di	ectly from the L2 Quality Flag	js, please see Section 5.6 for th	e full list of products affected.		
Number of products with errors:	30				
6.8 P2P Ocean Retracking Qua	ality Check				
P2P Retracking Flags (20 Hz)					
Cryosat P2P data includes an ocean retracki	ng quality flag (field 19) for each	1 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.

27

30

0

2324

Number of products with errors:

P2P Retracking Flags PLRM

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

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

Number of products with errors:

7. GOP QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	199	199	3	196	0
SIR_GOPR1B	135	135	0	135	0
SIR_GOPN1B	112	112	5	107	0
SIR_GOPM_2	199	199	149	50	0
SIR_GOPR_2	135	135	38	97	0
SIR_GOPN_2	112	112	43	69	0
SIR_GOP_P2P	29	29	0	29	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 QCC Warnings

Number of QCC reports with warnings

	Total number of occurrences of each warning						
Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR_GOPM1B	196	0	0	0	0	0	0
SIR_GOPM_2	0	34	32	0	37	0	30
SIR_GOPN1B	107	0	0	0	0	0	0
SIR_GOPN_2	0	15	39	1	30	31	23
SIR_GOPR1B	131	0	0	0	0	0	0
SIR_GOPR_2	0	41	56	1	25	19	7

Product Type	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	26	0	0	0	0	19
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	1	0	0	25	0	37	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	3	0	58	0	68	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	0	4	22	0	2	27
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	32	20	48	62	39	30
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	57	0	3	76	39	8	46
Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	Soohhifhd	SCSTODHRNCDF	SCSTODNCDF	-
SIR_GOPM1B	0	0	0	0	0	0	
SIR_GOPM_2	0	3	0	0	0	0	
SIR_GOPN1B	0	0	0	0	51	2	
SIR_GOPN_2	28	13	0	1	0	0	
SIR_GOPR1B	0	0	0	0	135	15	
SIR_GOPR_2	56	2	1	6	0	0	
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCE	RBSZOPOEPNCDF
SIR_GOP_2_	14	28	29	2	29	18	27
Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_GOP_2_	2	18	29	26	15	29	19
		i.	r	r	i.	n	r
Product Type	RSSHAONCDF		RSWHOEPFDPLRMNCDF		SPHLPQWNCDF	-	-
SIR GOP 2	27	29	19	15	29		

Test Description Key:							
Abbreviation Key:							
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter					
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only					
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean					
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean					
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch					
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample					
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter					
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter					

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0