

QA4EO Daily Report for GOP data:

25/02/2023

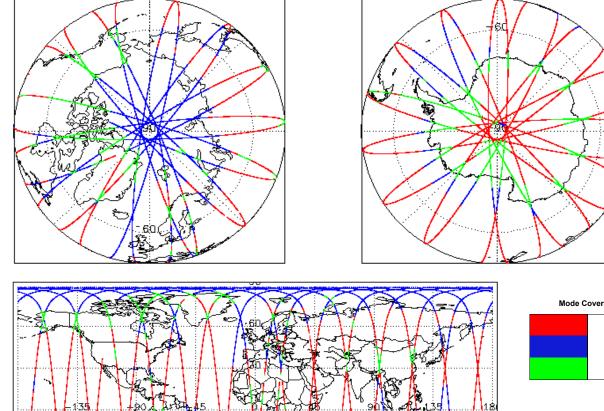
IDEAS-QA4E0

an art Draduction.	27-Mar-2023	Check	L1 & L2	P2P
Report Production:	27-141-2023	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
	Cruces at Ocean Brassager	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
		Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
We would	love to hear from you!	Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Please let us know	your feedback about these daily	Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1, 7.2 and 7.3

1. Overview

Mission / Instrument News 24-Feb-2023 None 25-Feb-2023 None 26-Feb-2023 Nothing planned







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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).

Number of products with errors:

4.2 L1B Product Header Analysis						
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For all products, a series of pre-defined checks are performed on the MPH and	5 5					
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1E OSARIn chains. A modification is required in the next release.	GOPR and GOPN products b	ecause the I1b_processing_quality_hr field is not correctly configured in the OSAR and				
Number of products with errors: 0						
4.3 L1B Auxilary Data File Usage Check						
Each product is checked for missing Data Set Descriptors with respect to a pre	-determined baseline and also	to check the validity of Auxiliary Data Files is correct.				
Number of products with errors: 0						
4.4 L1B Auxiliary Correction Error Check						
CryoSat L1B data includes a correction error flag for each measurement record	I. The bit value of this flag indic	ates any problems when set.				
Number of products with errors: 0						
4.5 L1B Measurement Confidence Data Check						
CryoSat L1B data includes a measurement confidence flag for each measurem	ent record. The bit value of thi	s flag indicates any problems when set.				
Attitude Correction Missing: This flag is currently set in error for GOPR produ	ucts due to a configuration issu	e. This is being investigated and will be updated in the next SW update.				
Number of products with errors: 0	Ū					
4.6 L1B Waveform Group Data Check						
CryoSat L1B data includes a waveform data flag for each measurement record	. The bit value of this flag indic	ates any problems when set.				
Loss of Echo Flag: This flag is currently set for some products over land, but	this is to be expected.					
Number of products with errors: 13						
Product	Test Failed	Description				
CS_OFFL_SIR_GOPM1B_20230225T025116_20230225T025359_C001	Loss of Echo	The tracking echo is missing for one or more records				
CS_OFFL_SIR_GOPM1B_20230225T094944_20230225T095106_C001						
CS_OFFL_SIR_GOPM1B_20230225T174754_20230225T175226_C001						
CS_OFFL_SIR_GOPN1B_20230225T000249_20230225T000338_C001	Loss of Echo	The tracking echo is missing for one or more records				
CS_OFFL_SIR_GOPN1B_20230225T063852_20230225T064440_C001	Loss of Echo	The tracking echo is missing for one or more records				
CS_OFFL_SIR_GOPN1B_20230225T081346_20230225T081409_C001	Loss of Echo	The tracking echo is missing for one or more records				
CS_OFFL_SIR_GOPN1B_20230225T131020_20230225T131244_C001	Loss of Echo	The tracking echo is missing for one or more records				
CS_OFFL_SIR_GOPN1B_20230225T172343_20230225T172818_C001	Loss of Echo	The tracking echo is missing for one or more records				
CS_OFFL_SIR_GOPN1B_20230225T180425_20230225T180938_C001	Loss of Echo	The tracking echo is missing for one or more records				
CS_OFFL_SIR_GOPN1B_20230225T212025_20230225T212455_C001	Loss of Echo	The tracking echo is missing for one or more records				
CS_OFFL_SIR_GOPN1B_20230225T213238_20230225T213314_C001	Loss of Echo	The tracking echo is missing for one or more records				
CS_OFFL_SIR_GOPR1B_20230225T050842_20230225T051044_C001	Loss of Echo	The tracking echo is missing for one or more records				
CS_OFFL_SIR_GOPR1B_20230225T162047_20230225T162605_C001	Loss of Echo	The tracking echo is missing for one or more records				
5. GC	P Level 2 Data Q	uality Check				
5.1 L2 Product Format Check						
Each product, retrieved and unpacked from the science server, is checked to e	nsure it consists of both an XN	L header file (.HDR) and a NetCDF product file (.nc).				
Number of products with errors: 0						
5.2 L2 Product Header Analysis						
For all products, a series of pre-defined checks are performed on the MPH and	SPH in order to identify any in	consistencies and/or errors raised by the ground-segment processing chain.				
Number of products with errors: 0						
5.3 L2 Auxiliary Data File Usage Check						
Each product is checked for missing Data Set Descriptors with respect to a pre	-determined baseline and also	to check the validity of Auxiliary Data Files is correct.				
Number of products with errors: 0						
5.4 L2 Auxiliary Correction Error Check						
For all products, the auxiliary corrections within the Geophysical Group are che	cked for the default error value	e (32767).				
Currently, there are some common auxiliary correction errors raised in th followed by a table highlighting any additional issues that may arise from		xpected, due to surface type. All common flags are summarised in the list below,				

> 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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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20230225T043307_20230225T044230_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_20230225T000249_20230225T000338_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_20230225T000601_20230225T000735_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_20230225T004411_20230225T004525_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_20230225T005032_20230225T005348_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20230225T022507_20230225T022744_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_20230225T022937_20230225T023520_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_20230225T032026_20230225T032208_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_20230225T040334_20230225T040643_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_20230225T054239_20230225T054442_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_20230225T063852_20230225T064440_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_GOPN_2_20230225T072213_20230225T072331_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_20230225T090133_20230225T090253_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_20230225T104123_20230225T104449_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_20230225T114005_20230225T114233_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20230225T122029_20230225T122349_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_20230225T122907_20230225T123030_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_20230225T131020_20230225T131244_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_20230225T140801_20230225T140915_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_20230225T145042_20230225T145147_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_20230225T154506_20230225T154705_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_20230225T162846_20230225T163102_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_20230225T172343_20230225T172818_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_20230225T180425_20230225T180938_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_20230225T190415_20230225T190639_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_20230225T194348_20230225T194704_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_20230225T194704_20230225T194801_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_20230225T212025_20230225T212455_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_20230225T221352_20230225T221516_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_20230225T222315_20230225T222427_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_20230225T230237_20230225T230422_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_20230224T235101_20230225T000127_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_20230225T000127_20230225T000249_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_20230225T013315_20230225T014026_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_20230225T014026_20230225T015527_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

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CS_OFFL_SIR_GOPR_2_20230225T031310_20230225T031918_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_20230225T031918_20230225T032026_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_20230225T040138_20230225T040333_C001	Mean Sea Surface (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_20230225T045255_20230225T045531_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_20230225T045531_20230225T045937_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_20230225T063326_20230225T063852_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_20230225T081409_20230225T081909_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_20230225T095106_20230225T100110_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_20230225T113120_20230225T114005_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_20230225T131244_20230225T132027_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_20230225T145147_20230225T145901_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_20230225T160633_20230225T160847_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_20230225T163102_20230225T163753_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_20230225T180938_20230225T181559_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_20230225T194801_20230225T195710_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_20230225T212455_20230225T213237_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_20230225T230422_20230225T231059_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_20230225T231059_20230225T231404_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:

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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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20230225T000433_20230225T000601_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_20230225T002351_20230225T004313_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_20230225T004525_20230225T005032_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_20230225T005552_20230225T013007_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_20230225T015527_20230225T021808_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_20230225T023618_20230225T024912_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_20230225T025116_20230225T025359_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_20230225T025841_20230225T030540_C001	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
	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH	
CS_OFFL_SIR_GOPM_2_20230225T032552_20230225T034302_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230225T034455_20230225T035915_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_20230225T040643_20230225T040849_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_20230225T040945_20230225T041351_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_20230225T041528_20230225T042913_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_20230225T043307_20230225T044230_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_20230225T044848_20230225T045255_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_20230225T051044_20230225T052156_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_20230225T052727_20230225T053606_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_20230225T053623_20230225T054157_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_20230225T054442_20230225T055254_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_20230225T055449_20230225T061102_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_20230225T064701_20230225T065322_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_20230225T065355_20230225T072102_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_20230225T072612_20230225T073131_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_20230225T073405_20230225T075924_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_20230225T083123_20230225T085944_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_20230225T090540_20230225T091143_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_20230225T091307_20230225T093440_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_20230225T094139_20230225T094209_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_20230225T094214_20230225T094217_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_20230225T094944_20230225T095106_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_20230225T100458_20230225T103856_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_20230225T104449_20230225T105017_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_20230225T105147_20230225T105808_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

Cold Net Sing Cold 2 All Academic Transp. Sing Cold All			
C5. 07TL 58R 00TM 2.2002025T11302_000025T11302_0000 and between the theory of the second to compare the seco	CS_OFFL_SIR_GOPM_2_20230225T110100_20230225T111031_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
C5:0.0FTL_SIR_00PM_2_20230225111432_20230225111432_20230225111432_0230225111433_0001 Deters Allineter Range and Backsatter Quarty Flags have been and be according to the COO Allineter Range and Backsatter Quarty Flags have been flags and Ba	CS_OFFL_SIR_GOPM_2_20230225T112902_20230225T113120_C001	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
C5. 0FFL_SR_00PM_Z_20230221113532_0230225112343_0001 and the secander Couliny, COCG Antimeder Range and Backastler Couliny bit b 0006 Antimeder Range, Sill Sill C5_0FFL_SR_00PM_Z_202302251122467_023012251122467_0301 DCCG Alterator Range Couliny, DCCG C5_0FFL_SR_00PM_Z_202302251122667_023012251122467_0301 DCCG Alterator Range Couliny, DCCG C5_0FFL_SR_00PM_Z_202302251122667_023012251122667_00310 DCCG Alterator Range, Sills, Sill C5_0FFL_SR_00PM_Z_202302251122667_023012251123645_0031 DCCER_Alterator Range, Sills, Sill C5_0FFL_SR_00PM_Z_202302251122667_02302251123645_0031 DCER_Alterator Range, Sills, Sill C5_0FFL_SR_00PM_Z_202302251123647_02301201110110_DC01 DCER_Alterator Range, Sills, Sill C5_0FFL_SR_00PM_Z_202302251123642_02302251130140_D011 DCER_Alterator Range, Sills, Sill C5_0FFL_SR_00PM_Z_202302251122642_02302251130530_D011 DCER_Alterator Range, Sills, Sill C5_0FFL_SR_00PM_Z_202302251132642_02302251130530_D011 DCER_Alterator Range, Sills, Sill C5_0FFL_SR_00PM_Z_202302251132642_0230225114053_001 DCER_Alterator Range, Sills, Sill C5_0FFL_SR_00PM_Z_202302251142642_0230225114053_001 DCER_Alterator Range, Sills, Sill C5_0FFL_SR_00PM_Z_202302251142642_02302251140542_001 DCER_Alterator Range, Sills, Sill C5_0FFL_SR_00PM_Z_202302251142642_02302251140542_001 DCER_Alterator Range, Sills, Sill	CS_OFFL_SIR_GOPM_2_20230225T114429_20230225T115302_C001	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
OPU_ENT_61_00PM_2_202302251122047_02020251122047_02020251122047_02020251122047_020102 Badkacater Quality Bit or use or note records DS_OFFL_SIR_GOPM_2_202302251122047_02020251122047_020102051122047_020102 DCCO Atmoster Karage on Backscater Quality Flags have been are the COCO Atmoster Karage on Backscater Quality Flags have been are the COCO Atmoster Karage on Backscater Quality Flags have been are the COCO Atmoster Karage on Backscater Quality Flags have been are the COCO Atmoster Karage on Backscater Quality Flags have been are the COCO Atmoster Karage on Backscater Quality Flags have been are the COCO Atmoster Karage on Backscater Quality Flags have been are the COCO Atmoster Karage on Backscater Quality Flags have been are the COCO Atmoster Karage on Backscater Quality Flags have been are the COCO Atmoster Karage on Backscater Quality Flags have been are the COCO Atmoster Karage on Backscater Quality Flags have been are to coco at or not nee ecods CB_OFFL_SIR_GOPM_2_202302251122042_02302051140303_O01 Occon Atmoster Flags SNA, SNH and Backscater Quality Flags have been to or or note nee cocods CB_OFFL_SIR_GOPM_2_202302251140303_O01 Occon Atmoster Flags SNA, SNH and Backscater Quality Flags have been to or or note nee cocods CB_OFFL_SIR_GOPM_2_202302251140303_O01 Occon Atmoster Flags SNA, SNH and Backscatter Quality Flags have been to or or note nee cocods CB_OFFL_SIR_GOPM_2_202302251140303_O01 Occon Atmoster Flags SNA, SNH and Backscatter Quality Flags have been to or or note nee cocods CB_OFFL_SIR_GOPM_2_202302251140303_O01 Occon Atmoster Flags SNA, SNH and Backscatter Quality Flags have been to or or note nee cocods CB_OFFL_SIR_GOPM_2_202302251140150_O0202511441042_001 Dcean Attiter	CS_OFFL_SIR_GOPM_2_20230225T115537_20230225T121833_C001	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
Cappert SH, OUTR & 200300251 (2007) Backsatter Quality for one or more reacts CS_OFFL_SIR_GOPM_2_202302251 (2007) Cosen Altmeter Range, SSHA, SWH The OCean Altmeter Range, SSHA, SWH and Backsatter Quality Flags have be alter to one or more reacts. CS_OFFL_SIR_GOPM_2_202302251 (2007) Cosen Altmeter Range, SSHA, SWH and Backsatter Quality, Flags have be alter to one or more reacts. CS_OFFL_SIR_GOPM_2_202302251 (3010) Cosen Altmeter Range, SSHA, SWH and Backsatter Quality, Flags have be alter to one or more reacts. CS_OFFL_SIR_GOPM_2_202302251 (30242_202302251 (3050_QUAL) Cosen Altmeter Range, SSHA, SWH and Backsatter Quality, Flags have be alter to one or more reacts. CS_OFFL_SIR_GOPM_2_202302251 (30242_202302251 (3050_QUAL) Cosen Altmeter Range, SSHA, SWH and Backsatter Quality, Flags have been flag-scatter Quality, Flags	CS_OFFL_SIR_GOPM_2_20230225T122350_20230225T122454_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_202302251123037_202302251130120_C001 and Becksatter Quality Flags have be affected in more records CS_OFFL_SIR_GOPM_2_202302251125388_202302251130120_C001 Ocean Atmeter Range SNA SNH and Becksatter Quality Flags have be affected in more records CS_OFFL_SIR_GOPM_2_202302251132242_202302251136300_C001 Ocean Atmeter Range SNA SNH and Becksatter Quality Flags have be affected in more records CS_OFFL_SIR_GOPM_2_202302251132242_202302251136300_C001 Ocean Atmeter Range SNA SNH and Becksatter Quality Flags have be affected in more records CS_OFFL_SIR_GOPM_2_20230225114919_202302251140350_C001 Ocean Atmeter Range SNA SNH and Becksatter Quality Flags have be affected in more records CS_OFFL_SIR_GOPM_2_202302251140959_202302251141312_C001 Ocean Atmeter Range SNA SNH and Becksatter Quality Flags have be affected in more records CS_OFFL_SIR_GOPM_2_202302251140959_202302251141312_C001 Ocean Atmeter Range SNA SNH and Becksatter Quality Flags have be affected in more records CS_OFFL_SIR_GOPM_2_202302251141552_Q02302251140582_C001 Ocean Atmeter Range SNA SNH and Becksatter Quality Flags have be affected in more records CS_OFFL_SIR_GOPM_2_202302251140582_C02302251140582_C001 Ocean Atmeter Range SNA SNH and Becksatter Quality Flags have be affected in more records CS_OFFL_SIR_GOPM_2_202302251140582_C02302251140582_C001 Ocean Atmeter Range SNA SNH and Becksatter Quality Flags have be affected in more records CS_OFFL_SIR_GOPM_2_202302251140582_C02302251140582_C001 Ocean Atmeter Range SNA	CS_OFFL_SIR_GOPM_2_20230225T122457_20230225T122907_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
C8_OFFL_SIR_GOPM_2_20230225T132383_02330225T13020_001 And Backsatter Quality, Figs have be affor one or more records C8_OFFL_SIR_GOPM_2_20230225T132242_20230225T132630_0001 Ocean Altimeter Range, SDHA, SVH and Backsatter Quality Figs have be affor one or more records C8_OFFL_SIR_GOPM_2_20230225T132242_20230225T136530_0001 OCGA Altimeter Range, SDHA, SVH and Backsatter Quality Figs have be affor one or more records C8_OFFL_SIR_GOPM_2_20230225T132242_20230225T140353_0001 OCGA Altimeter Range, CMHA, SVH and Backsatter Quality, COGG C8_OFFL_SIR_GOPM_2_20230225T140559_00230225T140355_0001 OCGA Altimeter Range, SMA, SVH and Backsatter Quality Figs have bear. C8_OFFL_SIR_GOPM_2_20230225T140559_00230225T140559_0001 OCGA Altimeter Range, SMA, SWH and Backsatter Quality Figs have bear. C8_OFFL_SIR_GOPM_2_20230225T141455_00230225T144628_0001 Ocean Altimeter Range, SMA, SWH and Backsatter Quality Figs have bear. C8_OFFL_SIR_GOPM_2_20230225T144658_0001 Ocean Altimeter Range, SMA, SWH and Backsatter Quality Figs have bear. C8_OFFL_SIR_GOPM_2_20230225T144658_0001 Ocean Altimeter Range, SMA, SWH and Backsatter Quality Figs have bear. C8_OFFL_SIR_GOPM_2_20230225T144658_0001 Ocean Altimeter Range, SMA, SWH and Backsatter Quality Figs have bear. C8_OFFL_SIR_GOPM_2_20230225T144769_20230225T145058_0001 Ocean Altimeter Range, SMA, SWH and Backsatter Quality Figs have bear. C8_OFFL_SIR_GOPM_2_20230225T164064_20230225T165558_0001 Ocean Altimeter Range, SMA, SWH	CS_OFFL_SIR_GOPM_2_20230225T123037_20230225T125045_C001	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_20230225T132542_20230225T135580_C001 and Backscatter Quality, GOOG CS_OFFL_SIR_GOPM_2_20230225T132542_20230225T140353_C001 CCOG Altimeter Range Quality, COCG The OCOG Altimeter Range and Backscatter Quality Flags have beam for one or more records CS_OFFL_SIR_GOPM_2_20230225T140569_20230225T141312_C001 CCEAn Altimeter Range, SSHA, SWH and Backscatter Quality Flags have beam for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have beam for one or more records CS_OFFL_SIR_GOPM_2_20230225T141056_20230225T144680_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have beam for one or more records CS_OFFL_SIR_GOPM_2_20230225T141656_20230225T144560_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have beam for one or more records CS_OFFL_SIR_GOPM_2_20230225T144766_20230225T145042_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have beam for one or more records CS_OFFL_SIR_GOPM_2_20230225T150827_20230225T151332_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have beam for one or more records CS_OFFL_SIR_GOPM_2_20230225T150312_20230225T155358_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have beam for one or more records CS_OFFL_SIR_GOPM_2_20230225T155312_20230225T155358_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have beam for one or more records CS_OFFL_SIR_GOPM_2_20230225T155312_20230225T155312_0023025T155358_C001 Ocean Altimeter Range	CS_OFFL_SIR_GOPM_2_20230225T125938_20230225T130120_C001	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
US_OPEL_SIR_GOPM_2_202302251140359_202302251141312_0001 Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have beand and backscatter Q	CS_OFFL_SIR_GOPM_2_20230225T132242_20230225T135630_C001	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_20230225T140959_20230225T141312_C001 and Backscatter Quality COCG Allimeter Range and Backscatter Quality Flags have be Allimeter Range and Backscatter Quality Flags have be Allimeter Range and Backscatter Quality Flags have be and the COCG Allimeter Range SSHA, SWH and Backscatter Quality Flags have be for one or more records CS_OFFL_SIR_GOPM_2_20230225T144055_20230225T144628_C001 OCGA Allimeter Range Quality, OCOG Backscatter Quality The OCGA Allimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPM_2_20230225T160627_20230225T145042_C001 OCGA Allimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Allimeter Range, SSHA, SWH and Backscatter Quality, COCG Allimeter Range, SSHA, SWH and Backscatter Quality, COCG Allimeter Range, SSHA, SWH and Backscatter Quality Flags have bean to one or more records CS_OFFL_SIR_GOPM_2_20230225T150527_20230225T153558_C001 Ocean Allimeter Range, SSHA, SWH and Backscatter Quality, COCG Allimeter Range and Backscatter Quality Flags have bean and the COCG Allimeter Range and Backscatter Quality Flags have bean and the COCG Allimeter Range and Backscatter Quality Flags have bean and the COCG Allimeter Range and Backscatter Quality Flags have bean and the COCG Allimeter Range and Backscatter Quality Flags have bean and the COCG Allimeter Range and Backscatter Quality Flags have bean and the COCG Allimeter Range and Backscatter Quality Flags have bean and the COCG Allimeter Range and Backscatter Quality Flags have bean and the COCG Allimeter Range and Backscatter Quality Flags have bean and the COCG Allimeter Range and Backscatter Quality Flags have bean and the COCG Allimeter Range and Backscatter Quality Flags have bean and the COCG Allimeter Range and Backscatter Quality Flags Allimeter Range and Backscatter Quality Flags h	CS_OFFL_SIR_GOPM_2_20230225T135919_20230225T140353_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20230225T1441455_20230225T144256_0001 and backscatter Quality of one or more records CS_OFFL_SIR_GOPM_2_20230225T144756_20230225T144756_20230225T144756_20230225T144756_20230225T144756_20230225T150627_00230225T151332_0001 Decom Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bear tor one or more records CS_OFFL_SIR_GOPM_2_20230225T150627_20230225T151332_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bear tor one or more records CS_OFFL_SIR_GOPM_2_20230225T152134_20230225T153558_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bear tor one or more records CS_OFFL_SIR_GOPM_2_20230225T153132_0023025T152134_20230225T153558_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bear tor one or more records CS_OFFL_SIR_GOPM_2_20230225T153735_0230225T154252_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bear tor one or more records CS_OFFL_SIR_GOPM_2_20230225T155312_0230225T164252_0001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bear tor one or more records CS_OFFL_SIR_GOPM_2_20230225T161041_20230225T162047_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bear tor one or more records CS_OFFL_SIR_GOPM_2_20230225T166441_20230225T165641_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bear tor one or more records CS_OFFL_SIR_GOPM_2_20230225T166644_20230225T165641_C001 Ocean Altimeter Range and Backscatter Quality Flags h	CS_OFFL_SIR_GOPM_2_20230225T140959_20230225T141312_C001	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_20230225T150132_00230225T151332_0001 Backscatter Quality for one or more records CS_OFFL_SIR_GOPM_2_20230225T150132_00230225T151332_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and Backscatter Quality, COCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and Backscatter Quality, COCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags hav	CS_OFFL_SIR_GOPM_2_20230225T141455_20230225T144626_C001	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_20230225T150627_20230225T151332_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Figure 1 CS_OFFL_SIR_GOPM_2_20230225T152134_20230225T153558_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Figure 1 CS_OFFL_SIR_GOPM_2_20230225T153735_20230225T154252_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230225T155312_20230225T156331_20030225T160633_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230225T161041_20230225T160633_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230225T161041_20230225T16047_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records CS_OFFL_SIR_GOPM_2_20230225T165841_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Figs have bean and Backscatter Quality, COOG and the OCOG Altimet	CS_OFFL_SIR_GOPM_2_20230225T144756_20230225T145042_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20230225T152134_20230225T153558_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have bed Altimeter Range and Backscatter Quality set for one or more records CS_OFFL_SIR_GOPM_2_20230225T153735_20230225T154252_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bed Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bed Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have bed Altimeter Range and Backscatter Quality, Flags have bed Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have bed Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have bed Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have bed Altimeter Range and Backscatter Quality, Flags have bed Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have bed Altimeter Range and Backscatter Quality, SCOG Altimeter Range and Backscatter Quality, Flags have bed Altimeter Range and Backscatter Quality, Flags have bed Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have bed Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, Flags have bed Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, F	CS_OFFL_SIR_GOPM_2_20230225T150627_20230225T151332_C001	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_202302251153/35_202302251154292_C001 Backscatter Quality for one or more records CS_OFFL_SIR_GOPM_2_202302251155312_20230225T160633_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, Flag and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Attimeter Range and Backscatter Quality Flag and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Attimeter Range and Backscatter Quality Flags have be attimeter Range and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, Flags have be attimeter Range and Backscatter Quality, OCOG Attimeter Range and Bac	CS_OFFL_SIR_GOPM_2_20230225T152134_20230225T153558_C001	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_20230225T155312_20230225T160633_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have be CS_OFFL_SIR_GOPM_2_20230225T161041_20230225T162047_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have be CS_OFFL_SIR_GOPM_2_20230225T161041_20230225T165041_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_GOPM_2_20230225T165644_20230225T165541_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_GOPM_2_20230225T165644_20230225T165834_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_GOPM_2_20230225T170014_20230225T171511_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_GOPM_2_20230225T1710014_20230225T171511_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_GOPM_2_20230225T1710014_20230225T171511_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_GOPM_2_20230225T1710014_20230225T171511_C001 Ocean Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_GOPM_2_20230225T1710014_20230225T171511_C001 Ocean Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have be <t< td=""><td>CS_OFFL_SIR_GOPM_2_20230225T153735_20230225T154252_C001</td><td></td><td>The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records</td></t<>	CS_OFFL_SIR_GOPM_2_20230225T153735_20230225T154252_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20230225T161041_20230225T162047_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPM_2_20230225T164811_20230225T165541_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be set for one or more records CS_OFFL_SIR_GOPM_2_20230225T165644_20230225T165634_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have be set for one or more records CS_OFFL_SIR_GOPM_2_20230225T170014_20230225T171511_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG The Ocean Altimeter Range, and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPM_2_20230225T1710014_20230225T171511_C001 Ocean Altimeter Range, COM Altimeter Range and Backscatter Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records	CS_OFFL_SIR_GOPM_2_20230225T155312_20230225T160633_C001	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_20230225T164811_20230225T165541_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPM_2_20230225T165644_20230225T165644_20230225T165634_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPM_2_20230225T165644_20230225T165834_C001 Ocean Altimeter Range, SSHA, SWH 	CS_OFFL_SIR_GOPM_2_20230225T161041_20230225T162047_C001	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_20230225T165644_20230225T165834_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPM_2_20230225T170014_20230225T171511_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20230225T1710014_20230225T171511_C001 OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20230225T1710014_20230225T172204_C001 OCOG Altimeter Range Quality, OCOG The OCCOG Altimeter Range and Backscatter Quality	CS_OFFL_SIR_GOPM_2_20230225T164811_20230225T165541_C001	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_20230225T1710014_20230225T171511_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be altimeter Range and Backscatter Quality flags have been altimeter Ran	CS_OFFL_SIR_GOPM_2_20230225T165644_20230225T165834_C001	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_20230225T170014_20230225T171511_C001	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_20230225T171702_20230225T172204_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	CS_OFFL_SIR_GOPM_2_20230225T173037_20230225T173142_C001	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_20230225T173652_20230225T174303_C001	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_20230225T174754_20230225T175226_C001	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_20230225T182254_20230225T182352_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records	CS_OFFL_SIR_GOPM_2_20230225T182254_20230225T182352_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_GOPM_2_20230225T183210_20230225T185421_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_20230225T185730_20230225T190122_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_20230225T190143_20230225T190415_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_20230225T190728_20230225T193125_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_20230225T195927_20230225T200409_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_20230225T200818_20230225T203351_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_20230225T203515_20230225T204037_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_20230225T204043_20230225T204409_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_20230225T204648_20230225T212025_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_20230225T214505_20230225T220349_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_20230225T220706_20230225T221337_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_20230225T222554_20230225T230024_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_20230225T231405_20230225T231450_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_20230225T233542_20230225T233610_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_20230225T234158_20230225T235320_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_20230225T112319_20230225T112331_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_20230225T112757_20230225T112844_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_20230225T153559_20230225T153735_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_20230225T190137_20230225T190143_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_20230225T193621_20230225T193823_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_20230225T200409_20230225T200552_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_20230225T042914_20230225T043034_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.

Number of products with errors:	84		
Product		Test Failed	Description
CS_OFFL_SIR_GOPN_2_20230225T001135_20230	2251001247 (:001	0 1	The OCOG Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_GOPN_2_20230225T002132_20230225T002351_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_20230225T005032_20230225T005348_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_20230225T022937_20230225T023520_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_20230225T032026_20230225T032208_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_20230225T044230_20230225T044451_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_20230225T050138_20230225T050237_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_20230225T052156_20230225T052727_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_20230225T055254_20230225T055442_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_20230225T061949_20230225T062333_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_20230225T062417_20230225T062448_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_20230225T063852_20230225T064440_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230225T072213_20230225T072331_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_20230225T081214_20230225T081243_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_20230225T081346_20230225T081409_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230225T090133_20230225T090253_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_20230225T091143_20230225T091307_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_20230225T100110_20230225T100458_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_20230225T104123_20230225T104449_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_20230225T114005_20230225T114233_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_20230225T114302_20230225T114352_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_20230225T125046_20230225T125412_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_20230225T145042_20230225T145147_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230225T154506_20230225T154705_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_20230225T162846_20230225T163102_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_20230225T164512_20230225T164811_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_20230225T173142_20230225T173335_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_20230225T174304_20230225T174736_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_20230225T182531_20230225T182929_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_20230225T190415_20230225T190639_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_20230225T194221_20230225T194342_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_20230225T194348_20230225T194704_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_20230225T200409_20230225T200552_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_20230225T200722_20230225T200818_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_20230225T212025_20230225T212455_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_20230225T221352_20230225T221516_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_20230225T230237_20230225T230422_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_20230225T231451_20230225T231522_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_20230225T231634_20230225T231757_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_20230224T235101_20230225T000127_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_20230225T000127_20230225T000249_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_20230225T013007_20230225T013203_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_20230225T013315_20230225T014026_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_20230225T014026_20230225T015527_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_20230225T030623_20230225T030635_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_20230225T030830_20230225T030945_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_20230225T031310_20230225T031918_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_20230225T043107_20230225T043247_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_20230225T045255_20230225T045531_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_20230225T045531_20230225T045937_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_20230225T050237_20230225T050420_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_20230225T050446_20230225T050715_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_20230225T061323_20230225T061325_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_20230225T063326_20230225T063852_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_20230225T064440_20230225T064701_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_20230225T065323_20230225T065355_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_20230225T072102_20230225T072213_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_20230225T081006_20230225T081214_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_20230225T081409_20230225T081909_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_20230225T095106_20230225T100110_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_20230225T105808_20230225T110059_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_20230225T112456_20230225T112744_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_20230225T113120_20230225T114005_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_20230225T114234_20230225T114301_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_20230225T125910_20230225T125937_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_20230225T130120_20230225T130443_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_20230225T131244_20230225T132027_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_20230225T145147_20230225T145901_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_20230225T150144_20230225T150627_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_20230225T154305_20230225T154311_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_20230225T154705_20230225T155312_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_20230225T160633_20230225T160847_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_20230225T162047_20230225T162605_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_20230225T162627_20230225T162846_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_20230225T163102_20230225T163753_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_20230225T180938_20230225T181559_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_20230225T181639_20230225T181643_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_20230225T194801_20230225T195710_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_20230225T204531_20230225T204648_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_20230225T212455_20230225T213237_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_20230225T213538_20230225T213726_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records						
DFFL_SIR_GOPR_2_20230225T230422_20230225T231059_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_20230225T231758_20230225T231912_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_20230225T233904_20230225T234158_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records						
L2 Quality Flags (1 Hz & 1 Hz PLRM)	1							
Currently, there are several common flags raised in the Level 2 products, w	hich are summarised below.							
> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set for p	roducts over sea ice, which is to be expecte	d.						
Number of products with errors: 189								
5.0.1.0. Ocean Detreaking Quality Charle								
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 measure	-							
Ocean Retracking Quality Flag: This flag is currently set for products over land	and sea ice, but this is to be expected. The	number of products with this error flag set is given below.						
Number of products with errors: 57								
L2 Retracking Flags (20 Hz PLRM)								
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz PLRM n	neasurement record. The bit value of this fla	g indicates any problems when set.						
Ocean Retracking Quality Flag (PLRM): This flag is currently set for products G	OPR and GOPN products over sea ice, but	this is to be expected.						
Number of an electric of the second								
Number of products with errors: 145								
·	Dala ta Dala Data Qualita	· Chaole						
	Pole-to-Pole Data Quality	r Check						
·	Pole-to-Pole Data Quality	r Check						
6. GOP L2 6.1 P2P Product Format Check								
6. GOP L2								
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens								
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens								
6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0	ure it consists of both an XML header file (.I	HDR) and a NetCDF product file (.nc).						
6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis	ure it consists of both an XML header file (.I	HDR) and a NetCDF product file (.nc).						
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0	ure it consists of both an XML header file (.I	HDR) and a NetCDF product file (.nc).						
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6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-defined	ure it consists of both an XML header file (.i PH in order to identify any inconsistencies a	HDR) and a NetCDF product file (.nc). nd/or errors raised by the ground-segment processing chain.						
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check	ure it consists of both an XML header file (.i PH in order to identify any inconsistencies a	HDR) and a NetCDF product file (.nc). nd/or errors raised by the ground-segment processing chain.						
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-defined	ure it consists of both an XML header file (.i PH in order to identify any inconsistencies a	HDR) and a NetCDF product file (.nc). nd/or errors raised by the ground-segment processing chain.						
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-defined Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check	ure it consists of both an XML header file (.i PH in order to identify any inconsistencies a etermined baseline and also to check the va	HDR) and a NetCDF product file (.nc). nd/or errors raised by the ground-segment processing chain.						
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-defined number of products with errors:	ure it consists of both an XML header file (.) PH in order to identify any inconsistencies a etermined baseline and also to check the va etermined baseline and also to check the va	HDR) and a NetCDF product file (.nc). Ind/or errors raised by the ground-segment processing chain.						
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-defined of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are check Currently, there are some common auxiliary correction errors raised in the	ure it consists of both an XML header file (.i PH in order to identify any inconsistencies a etermined baseline and also to check the va etermined baseline and also to check the va ted for the default error value (32767). Level 2 products that are expected, due t his test.	IDR) and a NetCDF product file (.nc).						
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-de Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are check Currently, there are some common auxiliary correction errors raised in the I followed by a table highlighting any additional issues that may arise from the sections: Currently the following corrections are not compute Correction and the U-Wind and V-Wind components of the ECMWF model wind version	ure it consists of both an XML header file (.i PH in order to identify any inconsistencies a etermined baseline and also to check the va etermined baseline and also to check the va used for the default error value (32767). Level 2 products that are expected, due t is test. uted over CONTINENTAL ICE: Dry Tropospi rector. This is a known anomaly (CRYO-CO	IDR) and a NetCDF product file (.nc).						
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-de Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are check Currently, there are some common auxiliary correction errors raised in the I followed by a table highlighting any additional issues that may arise from the section and the U-Wind and V-Wind components of the ECMWF model wind violation on treported in the table below. > Sea State Bias & Sea State Bias PLRM: The error value is currently set for pro-	ure it consists of both an XML header file (.i PH in order to identify any inconsistencies a etermined baseline and also to check the va etermined baseline and also to check the va used for the default error value (32767). Level 2 products that are expected, due t his test. uted over CONTINENTAL ICE: Dry Troposp rector. This is a known anomaly (CRYO-CO oducts over sea ice, but this is to be expected	HDR) and a NetCDF product file (.nc).						
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-de Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are check Currently, there are some common auxiliary correction errors raised in the I followed by a table highlighting any additional issues that may arise from the section and the U-Wind and V-Wind components of the ECMWF model wind violation on treported in the table below. > Sea State Bias & Sea State Bias PLRM: The error value is currently set for pro-	ure it consists of both an XML header file (.i PH in order to identify any inconsistencies a etermined baseline and also to check the va etermined baseline and also to check the va used for the default error value (32767). Level 2 products that are expected, due t his test. uted over CONTINENTAL ICE: Dry Troposp rector. This is a known anomaly (CRYO-CO oducts over sea ice, but this is to be expected	HDR) and a NetCDF product file (.nc).						
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-de Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are check Currently, there are some common auxiliary correction errors raised in the I followed by a table highlighting any additional issues that may arise from the science of the U-Wind and V-Wind components of the ECMWF model wind value to rot reported in the table below. > Sea State Bias & Sea State Bias PLRM: The error value is currently set for pro- > Altimetric Wind Speed Error: The error value is currently set for products over	ure it consists of both an XML header file (.i PH in order to identify any inconsistencies a etermined baseline and also to check the va etermined baseline and also to check the va used for the default error value (32767). Level 2 products that are expected, due t his test. uted over CONTINENTAL ICE: Dry Tropospi vector. This is a known anomaly (CRYO-CO oducts over sea ice, but this is to be expected r land and sea ice, but this is to be expected	HDR) and a NetCDF product file (.nc).						
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens. Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-defined on the MPH and S Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are check Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues that may arise from the second on the U-Wind and V-Wind components of the ECMWF model wind void to reported in the table below. > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over Number of products with errors: 28	ure it consists of both an XML header file (.i PH in order to identify any inconsistencies a etermined baseline and also to check the va etermined baseline and also to check the va used for the default error value (32767). Level 2 products that are expected, due t his test. uted over CONTINENTAL ICE: Dry Tropospi vector. This is a known anomaly (CRYO-CO oducts over sea ice, but this is to be expected r land and sea ice, but this is to be expected	HDR) and a NetCDF product file (.nc). Ind/or errors raised by the ground-segment processing chain. Iditity of Auxiliary Data Files is correct. Iditity of Auxiliary Data Files is correct. o surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric P-3) and will be resolved in a future IPF update. The affected products are ed. i.						
6. GOP L2 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to ens Number of products with errors: 0 6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and S Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-de Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are check Currently, there are some common auxiliary correction errors raised in the I followed by a table highlighting any additional issues that may arise from the > ECMWF Meteo Corrections: Currently the following corrections are not comput Correction and the U-Wind and V-Wind components of the ECMWF model wind vortor to reported in the table below. > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over Number of products with errors: 28 Product 28	ure it consists of both an XML header file (.i PH in order to identify any inconsistencies a etermined baseline and also to check the va etermined baseline and also to check the va used for the default error value (32767). Level 2 products that are expected, due t his test. uted over CONTINENTAL ICE: Dry Troposp vector. This is a known anomaly (CRYO-CO oducts over sea ice, but this is to be expected r land and sea ice, but this is to be expected Test Failed Mean Sea Surface (1), Mean Dynamic	HDR) and a NetCDF product file (.nc). Ind/or errors raised by the ground-segment processing chain. Ididity of Auxiliary Data Files is correct. Ididity of Auxiliary Data Files is correct. Indicate type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric P-3) and will be resolved in a future IPF update. The affected products are ad. t. Description There is an error with the MSS height (solution 1) and the Mean Dynamic						

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

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_20230225T031836_20230225T040813_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

Topography (1)

CS_OFFL_SIR_GOP_2_20230225T040813_20230225T045751_C001

CS_OFFL_SIR_GOP_2__20230225T022858_20230225T031836_C001

CryoSat P2P data includes a measurement confidence flag for each 20 Hz mea Number of products with errors: 0	surement record. The bit value of this flag inc	dicates any problems when set.
6.5 P2P Measurement Confidence Data Check	·	
CS_OFFL_SIR_GOP_220230225T221955_20230225T230933_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_20230225T213018_20230225T221955_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_20230225T204040_20230225T213018_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_20230225T195103_20230225T204040_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_20230225T190125_20230225T195103_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_20230225T181148_20230225T190125_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_220230225T172210_20230225T181148_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_220230225T163234_20230225T172210_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_220230225T154256_20230225T163234_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_20230225T145319_20230225T154256_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_20230225T140341_20230225T145319_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_20230225T131404_20230225T140341_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_20230225T122427_20230225T131404_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_20230225T113450_20230225T122427_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	
CS_OFFL_SIR_GOP_2_20230225T104512_20230225T113450_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_20230225T095535_20230225T104512_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_220230225T090557_20230225T095535_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_20230225T081620_20230225T090557_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_220230225T072642_20230225T081620_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_20230225T063705_20230225T072642_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_2_20230225T054728_20230225T063705_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_220230225T045751_20230225T054728_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

P2P Quality Flags (20 Hz)								
CryoSat P2P data includes Quality Flags for each 20	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	om the L2 Quality Flags, please see Section 5.6 for the full list of products affected.							
Number of products with errors:	28							
P2P Quality Flags (20 Hz PLRM)								
Since the P2P Quality Flags are copied directly from	om the L2 Quality Flags, please see Section 5.6 for the full list of products affected.							
Number of products with errors:	28							
P2P Quality Flags (1 Hz & 1 Hz PLRM)								
Since the P2P Quality Flags are copied directly from	om the L2 Quality Flags, please see Section 5.6 for the full list of products affected.							
Number of products with errors:	28							
6.8 P2P Ocean Retracking Quality C	heck							
P2P Retracking Flags (20 Hz) Cryosat P2P data includes an ocean retracking qualit	y flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.							

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

P2P Retracking Flags PLRM

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

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

28

Number of products with errors:

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	209	209	4	205	0
SIR_GOPR1B	119	119	0	119	0
SIR_GOPN1B	104	104	1	103	0
SIR_GOPM_2	209	209	150	59	0
SIR_GOPR_2	119	119	35	83	1
SIR_GOPN_2	104	104	35	69	0
SIR_GOP_P2P	28	28	0	27	1

7.1 QCC Errors

i.

Number of QCC reports with errors:

2 Total number of occurrences of each error

Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOPR_2	1	1	1	1							
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOP_2_	1	1	1	1							

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

7.2 QCC Warnings

				ber of occurrences of e			
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLR
SIR_GOPM1B	205	0	0	0	0	0	0
SIR_GOPM_2	0	0	44	44	0	44	0
SIR_GOPN1B	102	0	0	0	0	0	0
SIR_GOPN_2	0	0	12	35	3	31	29
SIR_GOPR1B	116	0	0	0	0	0	0
SIR_GOPR_2	0	1	28	42	0	34	24
Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF			DIRPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	40	0	39	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	19	1	0	0	18	0	33
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	12	2	0	46	0	51	0
Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOPM1B	0	•	0	0	0	0	0
SIR_GOPM_2	28	0		4	25	0	4
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	21	11	43	49	28
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	0	45	0	4	66	32	9
Due due 4 True e	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF		SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
Product Type			0	0	0	0	0
SIR_GOPM1B	35	0	2	0	0	0	0
SIR_GOPM_2	0	0	0	0	0	49	0
SIR_GOPN1B	31	29	10	0	2	0	2
SIR_GOPN_2				1		· ·	0
SIR_GOPR1B	0	0	0	0	0	119	11
SIR_GOPR_2	24	42	0	0	1	0	0
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	
SIR GOP 2	17	27	26	3	28	15	28
Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNC
SIR_GOP_2_	3	14	26	19	15	28	16
Due due 4 True e	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	DOWLOEDNODE	SPHLPQWNCDF		
Product Type SIR GOP 2	24	26	16	11	28	•	-
SIK_GOF_2_	24	20	10	11	20		
st Description Key	<i>r</i> :						
breviation	Test name			Details			
SHNCDF	BurstCounterStep20Hzt	NetCDF		The burst counter should be one higher with regard to the previous burst counter			
HMOOR	IndexOf1Hzin20HzMap	pingOutOfRange		The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)			
	MissingValueIntOceanExcludingPolarFD2NetCDF			The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees			
/IOEPFDNCDF	MissingValueIntOceanE	ExcludingPolarFD2NetCDF		The value should not be a	missing value for surface ty	be 0 only for fallludes betwee	in -70 and 70 degrees
/IOEPFDNCDF		-					-
/IOEPFDNCDF /IOEPNCDF /IONCDF	MissingValueIntOceanE MissingValueIntOceanE MissingValueIntOceanN	ExcludingPolarNetCDF		The value should not be a '		be 0 only for latitudes betwee	

The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes RBSZOPOEPFDNCDF RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF between -70 and 70 degrees RBSZOPOEPFDPLRM NCDF

The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF

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
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

7.3 Missing QCC Reports

Number of products with missing QCC reports:

1

L1B and L2 Product name n/a

P2P Product name CS_OFFL_SIR_GOP_2_20230225T000007_20230225T004944_C002