

QA4EO Daily Report for GOP data:

<u>08/03/2023</u>

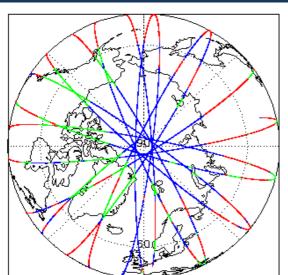
IDEAS-QA4E0

anart Braduation	06 Apr 2022	Check	L1 & L2	P2P
Report Production:	06-Apr-2023	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSal Ocean Frocesson	Product Software Check	Nominal	Nominal
Data Used: Geophysica	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
Data Oseu:	L1B, L2 & P2P Science Data	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 and 5.5	See Section 6.5
quality reports: What do you like/ dislike? What quality		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
information do you need? Send your feedback to		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
cs2_qc_team@telespazio.com		QCC Error/ Warning Check	See Section 7.2	See Section 7.2

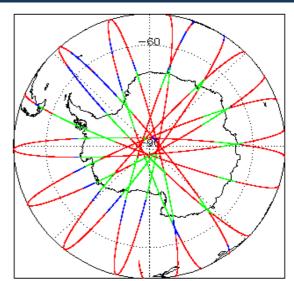
1. Overview

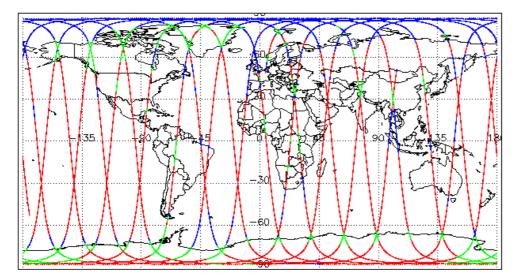
Mission / Instrument News 07-Mar-2023 None

08-Mar-2023 SIRAL unavailability on 08-Mar-2023 from 15:32:25 to 17:22:16 due to a planned orbit manoeuvre. 09-Mar-2023 Nothing planned













3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

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					
For all products, a series of pre-defined checks are performed on the MPH and	SPH in order to identify any incon	sistencies and/or errors raised by the ground-segment processing chain.			
		use the I1b_processing_quality_hr field is not correctly configured in the OSAR and			
OSARIn chains. A modification is required in the next release.		······································			
Number of products with errors: 0					
4.3 L1B Auxilary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with respect to a pre-	determined baseline and also to o	sheck the validity of Auviliary Data Files is correct			
Number of products with errors: 0					
4.4 L1B Auxiliary Correction Error Check					
CryoSat L1B data includes a correction error flag for each measurement record.	The bit value of this flag indicate	s any problems when set.			
Number of products with errors: 0					
4.5 L1B Measurement Confidence Data Check					
CryoSat L1B data includes a measurement confidence flag for each measurement	ent record. The bit value of this fla	ag indicates any problems when set.			
Attitude Correction Missing: This flag is currently set in error for GOPR produ	cts due to a configuration issue.	This is being investigated and will be updated in the next SW update.			
Number of products with errors: 2					
Product	Test Failed	Description			
CS_OFFL_SIR_GOPM1B_20230308T051830_20230308T051936_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more			
		records There is an error in the scaling of the L1B waveform for one or more			
CS_OFFL_SIR_GOPM1B_20230308T172420_20230308T172607_C001	Power scaling error	records			
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 indicates	s any problems when set.			
Loss of Echo Flag: This flag is currently set for some products over land, but the	-				
Number of products with errors: 16					
	Test Failed	Description			
CS_OFFL_SIR_GOPM1B_20230308T212548_20230308T220104_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20230308T022033_20230308T022453_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20230308T040217_20230308T040444_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20230308T043706_20230308T043808_C001 CS_OFFL_SIR_GOPN1B_20230308T043916_20230308T044509_C001	Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_202303081043916_202303081044309_C001 CS_OFFL_SIR_GOPN1B_202303081103115_20230308T103212_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20230308T104206_20230308T104354_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS OFFL SIR GOPN1B 20230308T144521 20230308T144704 C001	Loss of Echo	The tracking echo is missing for one or more records			
CS OFFL SIR GOPN1B 20230308T222306 20230308T222507 C001	Loss of Echo	The tracking echo is missing for one or more records			
CS OFFL SIR GOPN1B 20230308T235617 20230308T235738 C001	Loss of Echo	The tracking echo is missing for one or more records			
CS OFFL SIR GOPR1B 20230308T054317 20230308T054425 C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20230308T054428_20230308T054647_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20230308T080006_20230308T080111_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20230308T084820_20230308T090025_C001	Loss of Echo	The tracking echo is missing for one or more records			
5 COR Lovel 2 Data Quality Check					
5. GOP Level 2 Data Quality Check					
5.1 L2 Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to er	nsure it consists of both an XML h	neader 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 incon	sistencies and/or errors raised by the ground-segment processing chain.			
Number of products with errors: 0					
5.3 L2 Auxiliary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.					
Number of products with errors: 0					
CALO Asseillana Osmaatian Erman Ohaala					
5.4 L2 Auxiliary Correction Error Check					
For all products, the auxiliary corrections within the Geophysical Group are chec	ked for the default error value (32	2767).			
Currently, there are some common auxiliary correction errors raised in the Level 2 products that are expected, due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues that may arise from this test.					
> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.					
	> Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.				
	> Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.				
Number of products with errors: 51					
	Toot Foiled	Description			
Product	Test Failed	Description			

CS_OFFL_SIR_GOPM_2_20230308T070944_20230308T070950_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20230308T221402_20230308T221547_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_20230308T012426_20230308T012724_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_20230308T012937_20230308T013458_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_20230308T021404_20230308T021459_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_20230308T022033_20230308T022453_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_20230308T030414_20230308T030649_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_20230308T035929_20230308T040042_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_20230308T043706_20230308T043808_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_20230308T043916_20230308T044509_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_20230308T053852_20230308T054114_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_20230308T062132_20230308T062324_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_20230308T071837_20230308T072311_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_20230308T080111_20230308T080249_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_20230308T090025_20230308T090556_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_20230308T094105_20230308T094449_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_20230308T112037_20230308T112354_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_20230308T112906_20230308T113031_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_20230308T121129_20230308T121224_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_20230308T130815_20230308T130922_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_20230308T135032_20230308T135148_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_20230308T152542_20230308T153102_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_20230308T180311_20230308T180629_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_20230308T184425_20230308T184814_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_20230308T201859_20230308T202507_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), 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 (solution 1), the 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_20230308T212316_20230308T212434_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_20230308T222150_20230308T222224_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_20230308T222306_20230308T222507_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_20230308T230008_20230308T230317_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_20230308T235617_20230308T235738_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPR_2_20230308T003315_20230308T004027_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_20230308T004027_20230308T004243_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_20230308T021459_20230308T021922_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_20230308T021922_20230308T022033_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_20230308T035256_20230308T035710_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_20230308T035710_20230308T035929_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_20230308T053239_20230308T053852_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_20230308T071418_20230308T071836_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20230308T084820_20230308T090025_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_20230308T103213_20230308T103959_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_20230308T121224_20230308T122242_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_20230308T135148_20230308T135909_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_20230308T153103_20230308T153225_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_20230308T184814_20230308T185649_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_20230308T202507_20230308T203406_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_20230308T220439_20230308T221100_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_20230308T221100_20230308T221402_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_20230308T221547_20230308T221744_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_20230308T222224_20230308T222306_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_20230308T234010_20230308T235000_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_20230308T235000_20230308T235132_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20230308T051830_20230308T051936_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20230308T172420_20230308T172607_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

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

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Number of products with errors:
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Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20230307T235550_20230308T003033_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_20230308T005509_20230308T005948_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_20230308T010027_20230308T011859_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_20230308T012050_20230308T012258_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_20230308T012724_20230308T012937_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

Op. UPL, SH, GOPM, 2, 20200308104510, 2020008104521, C001 Backscatter Quality let one or more neords CS, OFFL, SIR, GOPM, 2, 20200308104540, 20200081045251, C001 COOG Altmeter Range, SHA, SWH and Backscatter Quality, Fags have been set one or more neords CS, OFFL, SIR, GOPM, 2, 202003081045401, 20230081065522, C001 Cosen Altmeter Range, SHA, SWH and Backscatter Quality, Fags have been set one or more neords CS, OFFL, SIR, GOPM, 2, 202003081055522, C001 Cosen Altmeter Range, SHA, SWH and Backscatter Quality, Fags have been set to no or more neords CS, OFFL, SIR, GOPM, 2, 202003081055522, 20200081055522, C001 Cosen Altmeter Range, SHA, SWH and Backscatter Quality, Fags have been set to no or more neords CS, OFFL, SIR, GOPM, 2, 202003081055522, 20200081065149, C001 Cosen Altmeter Range, SHA, SWH and Backscatter Quality, Fags have been set to no or more neords CS, OFFL, SIR, GOPM, 2, 20200308105401, 2020008106701012, C001 Cosen Altmeter Range, SHA, SWH and Backscatter Quality, Fags have been set to no or more neords CS, OFFL, SIR, GOPM, 2, 202003081005401, 2020008100701012, C001 Cosen Altmeter Range, SHA, SWH and Backscatter Quality, Fags have been set to no or nore neords CS, OFFL, SIR, GOPM, 2, 202003081005401, 202000810707012, C001 Cosen Altmeter Range, SHA, SWH and Backscatter Quality, Fags have been set to no or nore necords CS, OFFL, SIR, G			
Die Der Leit verste der Zuschleiten und zum der Anseinen Deuty im einer misse social Bis der Bis der Zuschleiten Deuty einer Anseinen Deuty SUM SUM Bis deutscher Caulty Figura bei Bassester	CS_OFFL_SIR_GOPM_2_20230308T013636_20230308T020613_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Bit DHE LINE GENE 2 DESCRIPTIONESS DESCRIPTIONES DESCRIPTIONESS DESCRIPTIONESS DESCRIPTIONESS DESCRIPTI	CS_OFFL_SIR_GOPM_2_20230308T021045_20230308T021108_C001		
C3 OFL SR GOM 2 BESCHELING CALL RESOLUTION CONTROL	CS_OFFL_SIR_GOPM_2_20230308T022533_20230308T024409_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Corr L and Cor Corr L and Corr L and Corr L and Corr L and Corr L	CS_OFFL_SIR_GOPM_2_20230308T024451_20230308T025807_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS, DHFL, SIR, GOPML 2, M22XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	CS_OFFL_SIR_GOPM_2_20230308T031015_20230308T031349_C001		
CE OFFL_SIR_GOPM_2 2023000TT03212 2023000TT03212 0001 Imit Baskasate Dasky, COCK Attempt Regr and Baskasate Dasky, COCK Attempt Regr and Baskasate Dasky, Righ have been s	CS_OFFL_SIR_GOPM_2_20230308T031525_20230308T033110_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C5_0FFL_SR_0CPW_2_3020000T04005_2020000T040102_C001 and Backsatter Dualty, C000 and Backsatter Dualty, C000 C5_0FFL_SR_0CPW_2_3020000T04001_2020000T042152_C001 Costs Afterior France SSH, SWH The COSts Afterior France SSH, SWH and Backsatter Dualty, C000 C5_0FFL_SR_0CPW_2_3020000T04001_2020000T042152_C001 Costs Afterior France SSH, SWH and Backsatter Dualty, C000 The COSts Afterior France SSH, SWH and Backsatter Dualty, Fage have been set for or or or new records C5_0FFL_SR_0CPW_2_3020000T04510_202000T04510_2001 COSts Afterior France SSH, SWH and Backsatter Dualty, C000 The COSts Afterior France SSH, SWH and Backsatter Dualty, Fage have been set for or or new records C5_0FFL_SR_0CPW_2_3020000T04510_2001 COSts Afterior France SSH, SWH and Backsatter Dualty, Fage have been set for or or new records C5_0FFL_SR_0CPW_2_3020000T04510_2001 COSts Afterior France SSH, SWH and Backsatter Dualty Fage have been set for or or new records C5_0FFL_SR_0CPW_2_3020000T04510_0011 COSts Afterior France SSH, SWH and Backsatter Dualty, Fage have been set for or or new records C5_0FFL_SR_0CPW_2_3020000T04510_0011 COSts Afterior France SSH, SWH and Backsatter Dualty, Fage have been set for or or new records C5_0FFL_SR_0CPW_2_3020000T04510_0011 COSts Afterior France SSH, SWH and Backsatter Dualty, Fage have been set for or or new records C5_0FFL_SR_0CPW_2_3020000T04510_0011 COSts Afterior France SSH, SWH and Backsatter Dualty Fage have been set for or or new reco	CS_OFFL_SIR_GOPM_2_20230308T033312_20230308T034234_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS 0FFL SIR COPM 2 2023039104101 20230091042152 C001 And Backstate Quality, C000 And Backstate Quality, C001 CS_0FFL_SIR_COPM_2_20230391044519_20230091043916_0001 Cocan Altereter Range And Backstate Quality, C000 The OCO Altereter Range and Backstate Quality, Flags Inter been attract Range and Backstate Quality, Flags Inter Backstate Quality, C000 CS_0FFL_SIR_COPM_2_202303917044912_202303917044912_2020 COOA Altereter Range Quality, C000 The OCOA Altereter Range and Backstater Quality, Flags Inter Backstate Quality, COOA Altereter Range, SSH, SWH and Backstater Quality, Flags Inter Backstate Quality, Flags Inter Backstate Quality, COOA Altereter Range All Backstate Quality, COOA Altereter Range All Backstate Quality, COOA Altereter Range All Backstate Quality, Flags Inter Backstate Quality, Flags Inter Backstate Quality, Flags Inter Backstate Quality, COOA Altereter Range All Backstate Quality, Flags Inter Backstate Quality, Flags Inter Backstat	CS_OFFL_SIR_GOPM_2_20230308T040555_20230308T040702_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SIR_GOPM_2_2023030T04586_2023030T04581_0001 and Backscatter Quality and the ODDC Attimeter Range and Backscatter Quality Flags have been set for one or more records CB_OFFL_SIR_GOPM_2_2023030T04451_02023030T04451_02023030T04551_0001 OCDC Attimeter Range Quality, CODD Backscatter Quality, CDDD Backscatter Quality, Flags have been set for one or more records. CB_OFFL_SIR_GOPM_2_2023030T056522_2023030T056522_2023030T056522_2023030T056522_2023030T056522_2023030T056522_2023030T056522_2023030T056522_2023030T05525_2023030T055	CS_OFFL_SIR_GOPM_2_20230308T041014_20230308T042152_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OS_DFPL_SIPLOOPM_2_20230308104510_601044910_20230308104521_0001 Backscatter Quality tor one or more records C6_OFFL_SIP_QOPM_2_20230308104510_6010_0001 COOG_Althrender Range Quality, OCOG The OCOG_Althrender Range and Backscatter Quality, Flags have been set tor one or more records C6_OFFL_SIP_QOPM_2_20230308104540_20230308104520_001 Coom_Althrender Range RSNA, SWH and Backscatter Quality, Flags have been set tor one or more records The OCOG_Althrender Range Quality, OCOG The OCOG_Althrender Range QUALITY, Flags have been set tor one or more records C6_OFFL_SIR_GOPM_2_202303081054811_20230308105522_0001 Cocan Althrender Range, SSHA, SWH and Backscatter Quality, Flags have been set tor one or more records The OCOG_Althrender Range, SSHA, SWH and Backscatter Quality, Flags have been set tor one or more records C6_OFFL_SIR_GOPM_2_202303081056292_0230981062101_0001 Cocan Althrender Range, SSHA, SWH and Backscatter Quality, Flags have been set tackscatter Quality, Flags have been set tor one or more records C8_OFFL_SIR_GOPM_2_2022030817073302_20230307107012_C001 Cocan Althrender Range, SSHA, SWH and Backscatter	CS_OFFL_SIR_GOPM_2_20230308T043808_20230308T043916_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Concernent Service Early Service Intermediate Cuality Intermediate Cuality Intermediate Cuality Factors CS_OFFL_SIR_GOPM_2_202303817045440_202303881706041_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Cuality Flags and Backscatter Cuality The Ocean Altimeter Range and Backscatter Cuality The Ocean Altimeter Range SSHA, SWH and Backscatter Cuality Flags have been Altimeter Range and Backscatter Cuality The Ocean Altimeter Range SSHA, SWH and Backscatter Cuality Flags have been Altimeter Range and Backscatter Cuality The Ocean Altimeter Range and Backscatter Cuality The Ocean Altimeter Range SSHA, SWH and Backscatter Cuality Flags have been Altimeter Range and Backscatter Cuality The Ocean Altimeter Range SSHA, SWH and Backscatter Cuality Flags have been Altimeter Range and Backscatter Cuality The Ocean Altimeter Range SSHA, SWH and Backscatter Cuality Flags have been Altimeter Range and Backscatter Cuality Flags have been Altimeter Range and Backscatter Cuality The Ocean Altimeter Range and Backscatter Cuality Flags have been Altimeter Range SSHA, SWH and Backscatter Cuality Flags have been Altimeter Range and Backscatter Cuality Flags have been Altimeter Range and Backscatter Cuality Flags have been Altimeter Range and Backscatter Cuality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_2022030807054010_202001 Ocean Altimeter Range SSHA, SWH and Backscatter Cuality Flags	CS_OFFL_SIR_GOPM_2_20230308T044510_20230308T044812_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_2023030T045440_2023030T050941_C001 and Badvscatter Quality COCG Minterer Range and Badvscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_2023030T054811_2023030T055522_C001 Decen Alimeter Range, SSIA, SWH and Badvscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_2023030T055623_2023030T05522_C001 Decen Alimeter Range, SSIA, SWH and Badvscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_2023030T055623_2023030T052101_C001 Decen Alimeter Range, SSIA, SWH and Badvscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_2023030T052543_2023030T052101_C001 Decen Alimeter Range, SSIA, SWH and Badvscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_2023030T052543_2023030T052101_C001 Decen Alimeter Range, SSIA, SWH and Badvscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_2023030T0525401_2023030T07012_C001 Decen Alimeter Range, SSIA, SWH and Badvscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_2023030T073116_2023030T07012_C001 Decen Alimeter Range Quality, COCG Alimeter Range and Badvscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_2023030T073122_2023030T070322_023030T060055_C001 Decen Alimeter Range, SSIA, SWH and Badvscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_2023030T070322_023030T060055_C001 Decen Alimeter Range, SSIA, SWH and Badvscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T064051_20230308T064054_C001 <t< td=""><td>CS_OFFL_SIR_GOPM_2_20230308T044818_20230308T045251_C001</td><td></td><td></td></t<>	CS_OFFL_SIR_GOPM_2_20230308T044818_20230308T045251_C001		
CS_OFFL_SIR_GOPM_2_2020308T054811_2023038T05552_C001 and Backscatter Quality COCG Attimeter Range and Backscatter Quality Flags have been Attimeter Range and Backscatter Quality Flags have been Attimeter Range and Backscatter Quality Flags have been Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_2020308T062543_2020308T062149_C001 OCGA Attimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_2020308T063401_2020308T063149_C001 OCGA Attimeter Range SSHA, SWH and Backscatter Quality The OCGA Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_2020308T063401_2020308T07012_C001 OCGA Attimeter Range Quality, OCOG Attimeter Range Attimeter Range, SSHA, SWH and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_2020308T084051_20230308T084052_C001 OCGA Attimeter Range Quality, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20230308T045440_20230308T050941_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230308T055823_20230308T063149_C001 and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been and the OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T063401_20230308T063149_C001 OCGA Altimeter Range Quality, OCGG Backscatter Quality, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T063401_20230308T070012_C001 Ocean Altimeter Range Quality, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T073116_20230308T073022_20230308T073259_C001 OCCGA Altimeter Range Quality, OCGG Backscatter Quality, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T073302_20230308T080005_C001 OCCGA Altimeter Range Quality, OCGG Backscatter Quality, OCGG Backscatter Quality, CCGG Backscatter Quality, CCGG Backscatter Quality, CCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T080537_20230308T080552_C001 OCCGA Altimeter Range Quality, OCGG Backscatter Quality The OCGGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T084054_20230308T084054_C001 OCCGA Altimeter Range Quality, OCCG Backscatter Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T084054_20230308T084054_20201 OCCGA Altimeter Range Quality, OCCG Backscatter Quality	CS_OFFL_SIR_GOPM_2_20230308T054811_20230308T055522_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_202303081062349_20230308106349_20011 Backscatter Quality for one or more records CS_OFFL_SIR_GOPM_2_202303081063401_2023030810701012_C0011 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Backscatter Quality, COCG The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202303081073316_202303081073302_202303081073302_202303081080005_C0011 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202303081073302_202303081080005_C0011 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags and the OCCGA Altimeter Range and Backscatter Quality Flags and the OCCGA Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202303081081254_202303081084084_C0011 Decean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCCGA Altimeter Range and Backscatter Quality Flags and the OCCGA Altimeter Range and Backscatter Quality Flags and the OCCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202303081084547_2023030810845458_C0011 Ocean Altimeter Range Quality, OCCG Backscatter Quality The OCCGA Altimeter Range and Backscatter Quality Flag	CS_OFFL_SIR_GOPM_2_20230308T055623_20230308T062101_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230308T063401_20230308T070012_C001 and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20230308T073116_20230308T0733259_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_20230308T073302_20230308T080005_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T080057_20230308T080005_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T0806537_20230308T080055_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T080537_20230308T084044_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T084051_20230308T0840558_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_20230308T084547_20230308T084558_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T084547_20230308T084558_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_GOPM_2_20230308T062543_20230308T063149_C001		
CS_OFFL_SIR_GOPM_2_2023030810/3116_2023030810/3195_20201 Backscatter Quality for one or more records CS_OFFL_SIR_GOPM_2_2023030810/3105_202303081080005_C001 Doean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been set Backscatter Quality CS_OFFL_SIR_GOPM_2_202303081081254_202303081084044_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set Backscatter Quality Flags have been se	CS_OFFL_SIR_GOPM_2_20230308T063401_20230308T070012_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230308T073302_20230308T080005_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T080537_20230308T080952_C001 CCOG 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_20230308T080537_20230308T084054_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T084051_20230308T084054_C001 Ocean Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T084051_20230308T084259_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_20230308T084547_20230308T084559_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_20230308T084547_20230308T09557_20230308T093912_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T094449_20230308T095031_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags h	CS_OFFL_SIR_GOPM_2_20230308T073116_20230308T073259_C001		
CS_OFFL_SIR_GOPM_2_20230308108033/_20230308108092_C001 Backscatter Quality for one or more records CS_OFFL_SIR_GOPM_2_202303081081254_20230308T084044_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20230308T084051_20230308T084051_20230308T084259_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_20230308T084051_20230308T084558_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_20230308T084547_20230308T084558_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_20230308T090557_20230308T093912_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T095031_C001 OCCG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T095031_C001 OCCGA Altimeter Range Quality, OCOG Backscatter Qu	CS_OFFL_SIR_GOPM_2_20230308T073302_20230308T080005_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230308T081254_20230308T084044_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and Backscatter Quality and Backscatter Quality and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T084051_20230308T084259_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_20230308T084547_20230308T084558_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_20230308T09557_20230308T093912_C001 OCCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T094449_20230308T095031_C001 OCCOG 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_20230308T095149_20230308T095031_C001 OCCOG Altimeter Range Quality, OCOG Backscatter Quality The OCCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T095149_20230308T095031_C001 OCCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hare been set for one or more records The OCCOG Altimeter Range, SSHA, SWH and Backscatter Quality	CS_OFFL_SIR_GOPM_2_20230308T080537_20230308T080952_C001		
CS_OFFL_SIR_GOPM_2_202303081084051_202303081084259_C001 Backscatter Quality for one or more records CS_OFFL_SIR_GOPM_2_202303081084547_202303081084558_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202303081090557_202303081093912_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202303081090557_202303081093912_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202303081094449_202303081095031_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202303081095031_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202303081095031_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202303081095149_202303081095813_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20230308T081254_20230308T084044_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_202303081084547_202303081084558_C001 Backscatter Quality for one or more records CS_OFFL_SIR_GOPM_2_202303081090557_202303081093912_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records CS_OFFL_SIR_GOPM_2_202303081094449_202303081095031_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202303081095149_202303081095031_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_202303081095149_202303081095813_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set and Backscatter Quality, OCOG The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20230308T084051_20230308T084259_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20230308T090557_20230308T093912_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230308T094449_20230308T095031_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_20230308T095149_20230308T095031_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Quality, OCOG	CS_OFFL_SIR_GOPM_2_20230308T084547_20230308T084558_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_202303081094449_202303081095031_C001 Backscatter Quality for one or more records CS_OFFL_SIR_GOPM_2_202303081095149_202303081095813_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20230308T090557_20230308T093912_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230308T095149_20230308T095813_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20230308T094449_20230308T095031_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Altimeter Range and Backscatter Quality set for one or more records	CS_OFFL_SIR_GOPM_2_20230308T095149_20230308T095813_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20230308T102830_20230308T102840_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_20230308T102931_20230308T103037_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_20230308T104355_20230308T111833_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_20230308T112354_20230308T112906_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_20230308T113049_20230308T115039_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_20230308T115359_20230308T115921_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_20230308T122242_20230308T125625_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_20230308T130146_20230308T130354_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_20230308T131018_20230308T133743_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_20230308T133829_20230308T134626_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_20230308T134908_20230308T135032_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_20230308T140518_20230308T141330_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_20230308T141811_20230308T141938_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_20230308T142014_20230308T142848_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_20230308T143037_20230308T143559_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_20230308T143734_20230308T144254_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_20230308T145407_20230308T150630_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_20230308T150823_20230308T151659_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_20230308T151826_20230308T152050_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_20230308T152246_20230308T152512_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_20230308T173754_20230308T175420_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_20230308T175643_20230308T180124_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_20230308T180703_20230308T183101_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_20230308T183105_20230308T184217_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_20230308T184340_20230308T184424_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_20230308T190725_20230308T193356_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
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CS_OFFL_SIR_GOPM_2_20230308T193612_20230308T194025_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_20230308T194029_20230308T194039_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_20230308T194045_20230308T194410_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_20230308T194630_20230308T201409_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_20230308T201604_20230308T201855_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_20230308T204247_20230308T204500_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_20230308T205052_20230308T211331_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_20230308T211458_20230308T211940_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_20230308T211943_20230308T212315_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_20230308T212548_20230308T220104_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_20230308T221402_20230308T221547_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_20230308T223243_20230308T223320_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_20230308T223323_20230308T223333_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_20230308T224525_20230308T224753_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_20230308T224952_20230308T225259_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_20230308T225445_20230308T230007_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_20230308T230516_20230308T232816_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_20230308T233102_20230308T234009_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_20230308T235241_20230308T235617_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_20230308T112037_20230308T112354_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_20230308T134713_20230308T134908_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_20230308T194039_20230308T194045_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_20230308T004455_20230308T005508_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20230308T103037_20230308T103114_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (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.

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20230308T005948_20230308T010027_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_20230308T012426_20230308T012724_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_20230308T012937_20230308T013458_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_20230308T021404_20230308T021459_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_20230308T034234_20230308T034559_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_20230308T040217_20230308T040444_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_20230308T042153_20230308T042717_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_20230308T043916_20230308T044509_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_20230308T045251_20230308T045436_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_20230308T053852_20230308T054114_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_20230308T054136_20230308T054317_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_20230308T054647_20230308T054810_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_20230308T062132_20230308T062324_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_20230308T063149_20230308T063355_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_20230308T070013_20230308T070337_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_20230308T071837_20230308T072311_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_20230308T072904_20230308T073115_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_20230308T080410_20230308T080537_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_20230308T090025_20230308T090556_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_20230308T094105_20230308T094449_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_20230308T100726_20230308T101100_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_20230308T104206_20230308T104354_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_20230308T112037_20230308T112354_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_20230308T115040_20230308T115359_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_20230308T121129_20230308T121224_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

Control Contro <thcontrol< th=""> <thcontrol< th=""> <thco< th=""><th></th><th>OCOG Altimeter Range Quality PLRM,</th><th>The OCOG Range and Backscatter Quality Flags have been set for one or</th></thco<></thcontrol<></thcontrol<>		OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
CQL OFFL SHL COMPLY SHL SHEED COMPLY TO ALL COMPLY THE COMPL	CS_OFFL_SIR_GOPN_2_202303081125752_202303081130146_C001	OCOG Backscatter Quality	
00_0PH900_0PH_2_900000T14600_200000T14600_0000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20230308T130815_20230308T130922_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
G, OHT, SHE, GOHL J. 2020/001112918, 2020/20201110102, DOIT DOIT AND	CS_OFFL_SIR_GOPN_2_20230308T143600_20230308T143733_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Sci UTL SHILLOOT L, SUCCOMITIVER J, SUCCEMITIVER J, SUCCOMITIVER J, SUCCOMITIVER J, SUCCEMITIVER J, SUCCEMITITER J, SUCCEMITITER J, SUCCEMITITER J, SUCCEMITITER J, SUC	CS_OFFL_SIR_GOPN_2_20230308T152542_20230308T153102_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Q2_OFE_SIN_OOM_2_2020000T16403_2020308T194014_COM with Subsection Config Fund, North Common Subsection Config Fun	CS_OFFL_SIR_GOPN_2_20230308T172729_20230308T172934_C001		
CSC UPL SM COME 2 ACCOUNT NOTE 2 ACCOUNT NOTE 2 COME Distocution County CODD Backwatter Gualty Internet account interne	CS_OFFL_SIR_GOPN_2_20230308T184425_20230308T184814_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS, UPTL_SH_COVPL_2_AD22000171201201 DODD Backscater Cality more records CS, OFTL_SH_COVPL_2_D22000071201201 CODD Backscater Cality The CoDD Range and Backscater Cality CS, OFTL_SH_COVPL_2_D22000071201201 CODD Range and Backscater Cality The CoDD Range and Backscater Cality CS, OFTL_SH_COVPL_2_D2200007120101 CODD Range and Backscater Cality The Code Attracter Range, SSH, SWH, More Range and Backscater Cality CS, OFTL_SH_COVPL_2_D2200007100101 CODD Range and Backscater Cality The Code Attracter Range, SSH, SWH, and Backscater Cality CS, OFTL_SH_COVPL_2_D2200007100101 CODD Range and Backscater Cality The Code Attracter Range, SSH, SWH, and Backscater Cality CS, OFTL_SH_COVPL_2_D22000071001027_D2000071001027_D2000071001027_D0000071001007_D00007 The Code Attracter Range, SSH, SWH, and Backscater Cality CS, OFTL_SH_COVPL_2_D22000071001027_D2000071001027_D000071001027_D000071001007_D000007_D00007_D00007_D00007_D00007_D00007_D00007_D00007_D0	CS_OFFL_SIR_GOPN_2_20230308T190345_20230308T190725_C001		
Control Sill Control Sill Control Sill Control Sill Control Sill Control Sill	CS_OFFL_SIR_GOPN_2_20230308T201859_20230308T202507_C001		
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CS. OFFL SIR. GOPR. 2. 2020306T004027_20230030T004027_0001 and Backscatter Ouality Flags and Backscatter Ouality Flags have been and the accent on an an accent on a the accent on a accent on a the accent on a the accent on a more records. CS_OFFL_SIR_GOPR_2.20230308T004027_20230308T004029_2023038T004630_001 COCO Almost Flags Ouality Flags have been at the accent on a more records. CS_OFFL_SIR_GOPR_2.20230308T004029_20230308T004630_0001 COCO Almost Flags Ouality Flags have been at the accent on a more records. CS_OFFL_SIR_GOPR_2.20230308T00413_20230308T004029_20001 COCO Almost Flags Ouality Flags have been at the accent on a more records. CS_OFFL_SIR_GOPR_2.20230308T021459_20230308T021459_20230308T021922_20001 COCon Almost Flags Ouality Flags have been at the accent on a more records. CS_OFFL_SIR_GOPR_2.20230308T021459_20230308T02192_20001 Cocan Almost Flags Ouality Flags have been at the accent on a more records. CS_OFFL_SIR_GOPR_2.20230308T021459_20230308T02192_20001 Cocan Almost Flags Ouality Flags have been at the accent on a more records. CS_OFFL_SIR_GOPR_2.20230308T021459_20230308T021459_20230308T021459_20230308T021459_20230308T021459_20230308T021459_20230308T021459_20230308T021459_2023038T021459_2023038T021459_2023038T021459_2023038T021459_2023038T021459_2023038T021459_2023038T021459_2023038T021459_2023038T021459_2023038T021459_2023038T021459_2023038T021459_2023038T021459_2023038T021459_2023	CS_OFFL_SIR_GOPN_2_20230308T235617_20230308T235738_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20230308100427_202303081004245_C001 and Backcaster Quality FLMM_COCQ and Backcaster Quality FLMM_COCQ and Backcaster Quality FLMM_COCQ and Allmeter Range, SSH, SWH and Backcaster Quality Flags have been set for one or records CS_OFFL_SIR_GOPR_2_20230308102619_202303081026192_02000 Cocan Allmeter Range, SSH, SWH and Backcaster Quality FLMM_COCQ and Backcaster Quality FLMM_COCQ and Backcaster Quality FLMM_COCQ and Backcaster Quality FLMM_COCQ and PLAM The Ocean Allmeter Range, SSH, SWH and Backcaster Quality FLMM_COCQ and Backcaster Quality FLMM_COCQ Allmeter Range and Backcaster Quality FLMM_COCM Allmeter Range and Backcaster Quality FLMM_COCM Allmeter	CS_OFFL_SIR_GOPR_2_20230308T003315_20230308T004027_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_202303817026613_202303817021035_0001 COCG Backscatter Cuality more records CS_OFFL_SIR_GOPR_2_202303817026613_202303817021035_0001 Cocan Altimeter Fauge, SSHA, SWH and Backscatter Cuality PILM, COCG Altimeter Fauge, SSHA, SWH and Backscatter Cuality Fauge and the COCG Altimeter Fauge, SSHA, SWH and Backscatter Cuality Fauge. SSHA, SWH and Backscatter Cuality Fauge and the COCG Altimeter Fauge, SSHA, SWH and Backscatter Cuality Fauge and the COCG Altimeter Fauge, SSHA, SWH and Backscatter Cuality Fauge and the COCG Altimeter Fauge, SSHA, SWH and Backscatter Cuality Fauge and the COCG Altimeter Fauge, SSHA, SWH and Backscatter Cuality Fauge and the COCG Altimeter Fauge, SSHA, SWH and Backscatter Cuality Fauge and the COCG Altimeter Fauge, SSHA, SWH and Backscatter Cuality Fauge and the COCG Altimeter Fauge, SSHA, SWH and Backscatter Cuality Fauge. SSHA, SWH and Backscatter Cuality Fauge have been ast tor one rune records CS_OFFL_SIR_GOPR_2_202303881024410_202303881024450_C001 Cocan Altimeter Fauge, SSHA, SWH and Backscatter Cuality Fauge. SSHA, SWH and Backscatter Cuality Fauge. Have been at tor one or more records CS_OFFL_SIR_GOPR_2_202300881705710_202300881705710_202300881705710_202300881705710	CS_OFFL_SIR_GOPR_2_20230308T004027_20230308T004243_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20230306T020613_20230306T021052_001 and Backstatter Quality PLRM, OCCO Attemeter Pange and Backstatter Quality PLRM, OCCO Attemeter Pange and Backstatter Quality PLRM, OCCO Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to COC Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to coce attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to coce Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to coce Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to coce Attemeter Pange, SSHA, SWH and Backstatter Quality Flags have been and to coce Attemeter	CS_OFFL_SIR_GOPR_2_20230308T004455_20230308T005508_C001		
CS_OFFL_SIR_GOPR_2_20230306T021459_20230306T021922_C001 and Backscatter Quality PLRM.CCCQ Attimeter Range and Backscatter Quality PLRM.CCCQ Attitenet Range and Backscatter Quality PLRM.CCCQ Attimeter	CS_OFFL_SIR_GOPR_2_20230308T020613_20230308T021035_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T021922_20230308T02192_20230308T021922_20230308T02192_20230308T02192_20230308T02192_20230308T02192_20230308T02192_20230308T02192_20230308T02192_20230308T035265_20230308T03510_C001	CS_OFFL_SIR_GOPR_2_20230308T021459_20230308T021922_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20230308T024410_20230308T024450_C001 and Backscatter Quality PLRM, COGG Inter Prange and Backscatter Quality PLRM, COGG CS_OFFL_SIR_GOPR_2_20230308T025607_20230308T035413_C001 Animeter Range, SSHA, SWH and Backscatter Quality PLRM, COGG CS_OFFL_SIR_GOPR_2_20230308T035256_20230308T035710_C001 Animeter Range, SSHA, SWH and Backscatter Quality PLRM, COGG CS_OFFL_SIR_GOPR_2_20230308T035256_20230308T035710_C001 Animeter Range, SSHA, SWH and Backscatter Quality PLRM, COGG CS_OFFL_SIR_GOPR_2_20230308T035710_20230308T035710_C001 Animeter Range, SSHA, SWH and Backscatter Quality PLRM, COGG CS_OFFL_SIR_GOPR_2_20230308T035710_20230308T035720_C001 Animeter Range, SSHA, SWH and Backscatter Quality PLRM, COGG CS_OFFL_SIR_GOPR_2_20230308T035710_20230308T035929_C001 OCGG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, COGG CS_OFFL_SIR_GOPR_2_20230308T035710_20230308T035929_C001 OCCGG Attimeter Range, Catter Quality PLRM, COGG The OCGG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T050341_20230308T051338_C001 OCCG Attimeter Range Quality PLRM, COGG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T051338_20230308T051388_C001 OCCG Attimeter Range Quality PLRM, COGG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T05	CS_OFFL_SIR_GOPR_2_20230308T021922_20230308T022033_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20230308T025807_20230308T030413_C001 and Backscatter Quality PLPM, OCCG Altimeter Range and Backscatter Quality PLPM, OCCG Altimeter Range and Backscatter Quality Flags have been ast for one or more records CS_OFFL_SIR_GOPR_2_20230308T035256_20230308T035710_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality PLM, OCCG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality FLMM CS_OFFL_SIR_GOPR_2_20230308T040702_20230308T040946_C001 OCCGA Altimeter Range Quality PLRM, OCCGA Altimeter Range Quality PLRM, CCGG Backscatter Quality The OCCGA Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T051338_0001 OCCGA Altimeter Range Quality PLRM, OCCG Backscatter Quality The OCCGA Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T051338_20230308T051338_C001 OCCGA Altimeter Range Quality PLRM, OCCGA Altimeter Range Quality PLRM, OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCCGA Altimeter Range and Backscatter Quality Flags and Backscatter Quality PLRM, OCCGA Altimeter Range and Backscatter Quality PLRM, OCCGA Altimeter Range and Backs	CS_OFFL_SIR_GOPR_2_20230308T024410_20230308T024450_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20230308T035256_20230308T035710_C001 and Backscatter Quality PLRM, COCG Interfer Anage and Backscatter Quality PLRM, COCG CS_OFFL_SIR_GOPR_2_20230308T035710_20230308T035929_C001 Cocean Altimeter Range and Backscatter Quality PLRM, COCG The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T040702_20230308T040948_C001 COCG Altimeter Range Quality PLRM, COCG The OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T040702_20230308T040948_C001 COCG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T050941_20230308T051338_C001 COCG Altimeter Range Quality PLRM, COCG Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T051338_20230308T051338_C001 COCG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T051338_20230308T051338_C001 COCG Altimeter Range Quality PLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T051338_20230308T051830_C001 COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T054114_20230308T054136_C001 Cocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPR_2_20230308T025807_20230308T030413_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20230308T035710_20230308T035929_C001 and Backscatter Quality PLRM, OCCG Attimeter Range and Backscatter Quality and Backscatter Quality The OCGR Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T040702_20230308T040948_C001 OCOG Attimeter Range Quality PLRM, OCCG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T050941_20230308T051338_C001 OCOG Attimeter 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_20230308T051338_20230308T051338_C001 OCOG Attimeter 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_20230308T051338_20230308T051830_C001 OCOG Attimeter Range, SSHA, SWH OCGB Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T053239_20230308T053852_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records<	CS_OFFL_SIR_GOPR_2_20230308T035256_20230308T035710_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_202303081040702_202303081040948_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPR_2_202303081040702_202303081051338_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_202303081051338_202303081051830_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_202303081053239_202303081053852_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM Cs_OFFL_SIR_GOPR_2_202303081054428_202303081054647_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM Cs_OFFL_SIR_GOPR_2_202303081054428_202303081054647_C001 Ocean Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Qual	CS_OFFL_SIR_GOPR_2_20230308T035710_20230308T035929_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_202303081050941_202303081051338_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPR_2_202303081051338_202303081051338_20201 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202303081051338_202303081051338_202001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202303081053239_202303081053852_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202303081054114_202303081054136_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202303081054414_202303081054436_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202303081054428_202303081054647_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPR_2_20230308T040702_20230308T040948_C001		
CS_OFFL_SIR_GOPR_2_202303081051338_2023030810514138_2023030810514138_2023030810514138_2023030810514138_2023030810514138_202303081051428_202303081051428_2023030810514428_2023030810514428_2023030810514428_2023030810514428_2023030810514647_c001	CS_OFFL_SIR_GOPR_2_20230308T050941_20230308T051338_C001		
CS_OFFL_SIR_GOPR_2_20230308T053239_20230308T053852_C001 and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH CS_OFFL_SIR_GOPR_2_20230308T054114_20230308T054136_C001 Cecan Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_GOPR_2_20230308T054114_20230308T054136_C001 Cecan Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backsca	CS_OFFL_SIR_GOPR_2_20230308T051338_20230308T051830_C001		
CS_OFFL_SIR_GOPR_2_20230308T054114_20230308T054136_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230308T054428_20230308T054647_C001 Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records and the OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPR_2_20230308T053239_20230308T053852_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20230308T054428_20230308T054647_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been and backscatter Quality Flags have been	CS_OFFL_SIR_GOPR_2_20230308T054114_20230308T054136_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
r Li ivi	CS_OFFL_SIR_GOPR_2_20230308T054428_20230308T054647_C001	and Backscatter Quality PLRM, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPR_2_20230308T071418_20230308T071836_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_20230308T080006_20230308T080111_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_20230308T084820_20230308T090025_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_20230308T095813_20230308T100259_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_20230308T101846_20230308T101926_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_20230308T102521_20230308T102639_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_20230308T102642_20230308T102830_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_20230308T103213_20230308T103959_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_20230308T120247_20230308T120402_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_20230308T121224_20230308T122242_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_20230308T135148_20230308T135909_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_20230308T140102_20230308T140108_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_20230308T144704_20230308T145018_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_20230308T150630_20230308T150823_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_20230308T151659_20230308T151826_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_20230308T173120_20230308T173250_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_20230308T173252_20230308T173753_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_20230308T184814_20230308T185649_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_20230308T202507_20230308T203406_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_20230308T203436_20230308T203715_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_20230308T204222_20230308T204246_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_20230308T220231_20230308T220307_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_20230308T220439_20230308T221100_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_20230308T221547_20230308T221744_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_20230308T221754_20230308T221803_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_20230308T234010_20230308T235000_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)				
Currently, there are several common flags raised in the Level 2 products, which are summarised below.				
> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set for pr	oducts over sea ice, which is to be expected	ed.		
Number of products with errors: 169				
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	ment record. The bit value of this flag indica	ates any problems when set.		
Ocean Retracking Quality Flag: This flag is currently set for products over land a	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: 52				
L2 Retracking Flags (20 Hz PLRM)				
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz PLRM m	easurement 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	t this is to be expected.		
Number of products with errors: 127				
6. GOP L2	Pole-to-Pole Data Quality	y Check		
6.1 P2P Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to ensu	ire it consists of both an XML beader file (HDB) and a NetCDE product file (nc)		
Number of products with errors: 0				
6.0.000 Droduct Hooder Analysia				
6.2 P2P Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SF	PH in order to identify any inconsistencies a	Ind/or errors raised by the ground-segment processing chain.		
Number of products with errors: 0				
6.3 P2P Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-de	etermined baseline and also to check the va	alidity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
6.4 P2P Auxiliary Correction Error Check				
For all products, the auxiliary corrections within the Geophysical Group are checke	ed for the default error value (32767).			
Currently, there are some common auxiliary correction errors raised in the L followed by a table highlighting any additional issues that may arise from the		to surface type. All common flags are summarised in the list below,		
> ECMWF Meteo Corrections: Currently the following corrections are not comput Correction and the U-Wind and V-Wind components of the ECMWF model wind v not reported in the table below.				
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for pro	oducts over sea ice, but this is to be expect	ed.		
> Altimetric Wind Speed Error: The error value is currently set for products over	and and sea ice, but this is to be expected	d.		
Number of products with errors: 27				
Product	Test Failed	Description		
CS_OFFL_SIR_GOP_2_20230307T234939_20230308T003916_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_20230308T003916_20230308T012854_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_20230308T012854_20230308T021831_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), Total Geocentric Ocean	There is an error with the MSS height (solution 1), the Mean Dynamic		
CS_OFFL_SIR_GOP_2_20230308T021831_20230308T030808_C001	Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records		
CS_OFFL_SIR_GOP_2_20230308T030808_20230308T035745_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_20230308T035745_20230308T044723_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		
S_OFFL_SIR_GOP_2_20230308T044723_20230308T053700_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_220230308T053700_20230308T062638_C001	Mean Sea Surface (1), Mean Dynamic 5_OFFL_SIR_GOP_2_20230308T053700_20230308T062638_C001 Topography (1), Total Geocentric Ocean Tide (GOT) Tide (GOT) Topography (1), Total Geocentric Ocean Tide (GOT)			
CS_OFFL_SIR_GOP_220230308T062638_20230308T071615_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_20230308T071615_20230308T080553_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_20230308T080553_20230308T085529_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_20230308T085529_20230308T094507_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_20230308T103444_20230308T112422_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_220230308T112422_20230308T121359_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_20230308T121359_20230308T130336_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_220230308T130336_20230308T135313_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_220230308T135313_20230308T144251_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_220230308T144251_20230308T153228_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_220230308T180120_20230308T185057_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_220230308T185057_20230308T194035_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_220230308T194035_20230308T203012_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), 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 height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220230308T203012_20230308T211950_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_20230308T211950_20230308T220927_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_220230308T220927_20230308T225905_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_220230308T225905_20230308T234841_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_20230308T234841_20230309T003819_C001		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

6.5 P2P Measurement Confidence Data Check

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

 Number of products with errors:
 2

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220230308T044723_20230308T053700_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220230308T171142_20230308T180120_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check				
P2P Quality Flags (20 Hz)				
CryoSat P2P data includes Quality Flags for	each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.			
Since the P2P Quality Flags are copied di	rectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.			
Number of products with errors:	28			
P2P Quality Flags (20 Hz PLRM)				
Since the P2P Quality Flags are copied di	rectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.			
Number of products with errors:	28			
P2P Quality Flags (1 Hz & 1 Hz P	LRM)			
Since the P2P Quality Flags are copied di	rectly from 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 Qu	ality Check			
P2P Retracking Flags (20 Hz)				
Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.				
Ocean Retracking Quality Flag (PLRM): This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.				
Number of products with errors:	26			
P2P Retracking Flags PLRM				
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz PLRM measurement record. The bit value of this flag indicates any problems when set.				
Ocean Retracking Quality Flag (PLRM): This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.				

Number of products with errors:

28

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	161	161	3	158	0
SIR_GOPR1B	117	117	0	117	0

SIR_GOPN1B	94	94	0	94	0
SIR_GOPM_2	161	161	114	47	0
SIR_GOPR_2	117	117	46	71	0
SIR_GOPN_2	94	94	34	60	0
SIR_GOP_P2P	27	27	0	27	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 QCC Warnings

SIR_GOP_2

Number of QCC reports with warnings
 Total number of occurrences of each warning

 F
 MVIONCDF

 RBSZOPOEPFDNCDF
 Product Type BCSHNCDF MVIOEPFDNCDF MVIOEPNCDF RBSZOPOEPFDPLRMNCE RBSZOPOEPNCDF SIR_GOPM1B 35 SIR GOPM 2 SIR_GOPN1B 28 SIR GOPN 2 SIR_GOPR1B SIR_GOPR_2 Product Type RMSSGHOPONCDF RNELPOTONCDF RPEPOPFDLRMNCDF RPEPOPFDPLRMSARNCERPEPOPFDPLRMSINNCD RPEPOPFDSARNCDF RPEPOPFDSINNCDF SIR_GOPM1B SIR_GOPM_2 SIR_GOPN1B SIR_GOPN_2 0 0 SIR_GOPR1B SIR_GOPR_2 Λ Product Type RPEPOPLRMNCDF RPEPOPSARNCDF RPEPOPSINNCDF RSSBCONCDF RSSHAOFDNCDF RSSHAOFDPLRMNCDF RSSHAONCDF SIR GOPM1B 0 SIR GOPM 2 SIR GOPN1B 21 0 0 SIR_GOPN_2 SIR_GOPR1B SIR_GOPR_2 RSWHOEPFDNCDF RSWHOEPFDPLRMNCDF RSWHOEPNCDF SPHRTASCNSNCDF SOOHHIFHD SCSTODHRNCDF SCSTODNCDF Product Type SIR GOPM1B SIR GOPM 2 13 SIR_GOPN1B SIR_GOPN_2 7 SIR_GOPR1B SIR_GOPR_2 RBSZOPOEPFDPLRMNCCRBSZOPOEPNCDF IOHHMOOR MVIOEPNCDF RBSZOPOEPFDNCDF Product Type MVIOEPFDNCDF MVIONCDF SIR_GOP_2 RMSSGHOPONCDF RNELPOTONCDF RPEPOPFDPLRMSINNCDI RPEPOPFDSINNCDF RPEPOPSINNCDF RSSBCONCDF RSSHAOFDNCDF Product Type SIR_GOP_2 RSSHAOFDPLRMNCDF RSSHAONCDF RSWHOEPFDNCDF RSWHOEPFDPLRMNCDF RSWHOEPNCDF SPHLPQWNCDF Product Type

Test Description Key:			
Abbreviation	Test name	Details	
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter	
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees	
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees	
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only	
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RMSSGHOPONCDF	RangeMSSGeoidHeightOPOceanNetCDF	The MSS/geoid height should be between -106000mm and 88000mm (or missing) for surface type = ocean - NetCDF	
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean	
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean	
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean	
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean	
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean	
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	

RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch	
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample	
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter	
7.3 Missing QCC Reports			

Number of products with missing QCC reports: