

QA4EO Daily Report for GOP data:

<u>29/04/2023</u>

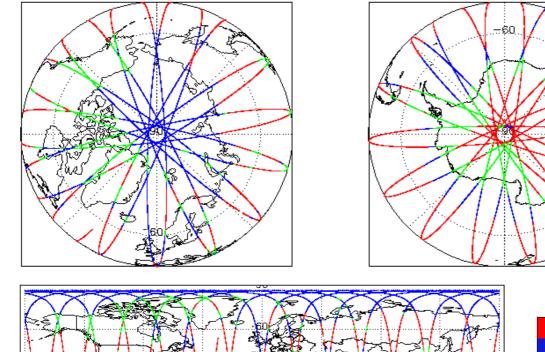
IDEAS-QA4E0

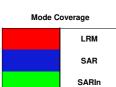
Demont Dueduction.	01-Jun-2023	Check	L1 & L2	P2P
Report Production:	01-Jun-2023	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:		Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Usea:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
Data Used:	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
	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	uneed? Send your feedback to	Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
cs2_qc_t	eam@telespazio.com	QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1 and 7.2

1. Overview

wission / instru	intent news
28-Apr-2023	None
29-Apr-2023	
30-Apr-2023	Nothing planned

2. Global Coverage





18

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3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

0

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

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

1.35

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).

60

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 SP	H in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B GC	PR and GOPN products because the I1b	_processing_quality_hr field is not correctly configured in the OSAR and
OSARIn chains. A modification is required in the next release. Number of products with errors: 0		
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-det	ermined baseline and also to check the v	alidity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag for each measurement record. Th	e hit value of this flag indicates any proble	ame when set
Number of products with errors: 0	e bit value of this hag indicates any probi	Ship when set.
4.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag for each measurement	record. The bit value of this flag indicates	any problems when set.
Attitude Correction Missing: This flag is currently set in error for GOPR products	due to a configuration issue. This is being	g investigated and will be updated in the next SW update.
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20230429T163104_20230429T163418_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
4.6 L1B Waveform Group Data Check		
•		
CryoSat L1B data includes a waveform data flag for each measurement record. Th		ms when set.
Loss of Echo Flag: This flag is currently set for some products over land, but this Number of products with errors: 27	is to be expected.	
Product CS_OFFL_SIR_GOPM1B_20230429T092528_20230429T093037_C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20230429T133103_20230429T134618_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20230429T181628_20230429T184454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230429T013334_20230429T013553_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230429T021250_20230429T021630_C001 CS_OFFL_SIR_GOPN1B_20230429T022417_20230429T022603_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS OFFL SIR GOPN1B 202304291022417_202304291022005_0001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230429T031253_20230429T031441_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230429T044357_20230429T044412_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230429T063221_20230429T063710_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230429T075053_20230429T075253_C001 CS_OFFL_SIR_GOPN1B_20230429T080251_20230429T080337_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230429T125824_20230429T130229_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230429T135512_20230429T140123_C001	Loss of Echo	The tracking echo is missing for one or more records
5 000	Level 2 Data Quality Ch	ook
5. GOP	Level 2 Data Quality Cil	eck
5.1 L2 Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to ensu	re it consists of both an XML header file (HDR) and a NetCDF product file (.nc).
Number of products with errors: 0		
5.2 L2 Product Header Analysis		
,	I in ander to identify any inconsistencies .	
For all products, a series of pre-defined checks are performed on the MPH and SP Number of products with errors: 0	H in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.
5.3 L2 Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre-det	ermined baseline and also to check the v	alidity of Auxiliary Data Files is correct.
Number of products with errors: 0		
5.4 L2 Auxiliary Correction Error Check		
For all products, the auxiliary corrections within the Geophysical Group are checker	for the default error value (32767)	
Currently, there are some common auxiliary correction errors raised in the Le	. ,	to surface type. All common flags are summarised in the list below,
followed by a table highlighting any additional issues that may arise from thi		
> ECMWF Meteo Corrections: Currently the following corrections are not compute Correction and the U-Wind and V-Wind components of the ECMWF model wind ve not reported in the table below.		
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for proc	ducts over sea ice, but this is to be expec	ted.
> Altimetric Wind Speed Error: The error value is currently set for products over	land and sea ice, but this is to be expecte	d.
Number of products with errors: 54		
Product	Test Failed	Description

	restrailed	Description
CS_OFFL_SIR_GOPM_2_20230429T194539_20230429T194717_C001	Ilviean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records

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CS_OFFL_SIR_GOPN_2_20230429T003539_20230429T003814_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T013057_20230429T013208_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T021250_20230429T021630_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T031018_20230429T031242_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T031253_20230429T031441_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_20230429T035302_20230429T035452_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_20230429T040311_20230429T040528_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_20230429T045012_20230429T045441_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_20230429T063221_20230429T063710_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20230429T071236_20230429T071615_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T080251_20230429T080337_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_20230429T085202_20230429T085520_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T090032_20230429T090157_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_20230429T094251_20230429T094355_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T103938_20230429T104045_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_20230429T112200_20230429T112314_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T125824_20230429T130229_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T131536_20230429T131930_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_20230429T135512_20230429T140123_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T143701_20230429T144114_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T152551_20230429T152816_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_20230429T153443_20230429T153756_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_20230429T161548_20230429T161937_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T171535_20230429T171651_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_20230429T175038_20230429T175630_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (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_20230429T185442_20230429T185558_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_20230429T202446_20230429T202612_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_20230429T203133_20230429T203441_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T220430_20230429T220642_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T221033_20230429T221404_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T234512_20230429T234747_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T012422_20230429T012908_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T012908_20230429T013056_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T024230_20230429T024513_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_20230429T030401_20230429T031018_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T044544_20230429T045012_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T061946_20230429T063221_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_20230429T080337_20230429T081125_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T093406_20230429T093534_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPR_2_20230429T094355_20230429T095129_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T112314_20230429T113030_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T130230_20230429T130954_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T132902_20230429T133103_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_20230429T144114_20230429T144711_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T144713_20230429T144809_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_20230429T161937_20230429T162810_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T175631_20230429T180413_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T193605_20230429T194225_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T194225_20230429T194538_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T211413_20230429T212125_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T212125_20230429T212301_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T225357_20230429T230023_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T230023_20230429T230149_C001	Mean Sea Surface (1), Mean Dynamic Topography (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: 1		
Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20230429T163104_20230429T163418_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:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20230428T235703_20230429T001523_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20230429T001620_20230429T002950_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20230429T004133_20230429T004515_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_20230429T004706_20230429T010234_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_GOPM_2_20230429T010436_20230429T011359_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_20230429T013209_20230429T013334_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_20230429T013729_20230429T013814_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_20230429T014119_20230429T015321_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_20230429T020307_20230429T020342_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_20230429T020925_20230429T021043_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_20230429T021630_20230429T022417_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_20230429T022626_20230429T024139_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_20230429T031940_20230429T035227_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_20230429T035452_20230429T035706_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_20230429T035718_20230429T040311_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_20230429T040558_20230429T043128_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_20230429T043500_20230429T043936_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_20230429T050243_20230429T053050_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_20230429T053703_20230429T054124_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_20230429T054449_20230429T061103_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_20230429T061223_20230429T061419_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_20230429T063710_20230429T071002_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_20230429T071615_20230429T072153_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_20230429T072318_20230429T072936_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_20230429T074858_20230429T075016_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_20230429T080052_20230429T080213_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_20230429T081534_20230429T084921_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_20230429T085520_20230429T090031_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_20230429T090246_20230429T092215_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_20230429T095408_20230429T102744_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_20230429T103258_20230429T103520_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_20230429T103526_20230429T103938_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_20230429T104205_20230429T111011_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_20230429T111035_20230429T111759_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_20230429T113427_20230429T114458_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_20230429T114939_20230429T115103_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_20230429T115106_20230429T120152_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_20230429T120326_20230429T120711_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_20230429T120901_20230429T121420_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_20230429T121439_20230429T121643_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_20230429T122529_20230429T123755_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_20230429T124004_20230429T125221_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_20230429T125426_20230429T125639_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_20230429T131930_20230429T132901_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_20230429T133103_20230429T134618_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_20230429T134827_20230429T135322_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_20230429T135338_20230429T135349_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_20230429T140123_20230429T140328_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_20230429T141923_20230429T142346_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_20230429T142509_20230429T142736_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_20230429T150854_20230429T152518_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_20230429T152816_20230429T153249_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_20230429T153311_20230429T153443_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_20230429T153904_20230429T160400_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_20230429T163858_20230429T170453_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_20230429T170645_20230429T171151_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 20230429T171210 20230429T171535 C001	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
	Backscatter Quality	for one or more records
CS_OFFL_SIR_GOPM_2_20230429T171826_20230429T174609_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_20230429T174734_20230429T175038_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_20230429T181425_20230429T181620_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_20230429T181628_20230429T184454_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_20230429T184629_20230429T185106_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_20230429T185755_20230429T193223_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_20230429T200750_20230429T201016_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_20230429T201625_20230429T201919_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_20230429T202119_20230429T202354_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_20230429T202612_20230429T203133_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_20230429T203722_20230429T205941_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_20230429T210227_20230429T211133_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_20230429T212405_20230429T212755_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_20230429T214349_20230429T214836_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_20230429T215024_20230429T220308_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_20230429T220642_20230429T221033_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_20230429T221637_20230429T222237_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_20230429T222246_20230429T222821_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_20230429T223045_20230429T224914_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_20230429T230729_20230429T231347_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_20230429T231428_20230429T233813_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_20230429T234747_20230429T234940_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_20230429T235239_20230429T235411_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_20230429T235634_20230430T000300_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

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

N	lumber	of	products	with	errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20230429T003539_20230429T003814_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records
CS_OFFL_SIR_GOPN_2_20230429T011359_20230429T011711_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_20230429T013334_20230429T013553_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 beer set for one or more records
CS_OFFL_SIR_GOPN_2_20230429T020802_20230429T020925_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 beer set for one or more records
CS_OFFL_SIR_GOPN_2_20230429T021250_20230429T021630_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records
S_OFFL_SIR_GOPN_2_20230429T025055_20230429T025421_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records
CS_OFFL_SIR_GOPN_2_20230429T031018_20230429T031242_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_20230429T031253_20230429T031441_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_20230429T035302_20230429T035452_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records
CS_OFFL_SIR_GOPN_2_20230429T043128_20230429T043500_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records
CS_OFFL_SIR_GOPN_2_20230429T044512_20230429T044544_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_20230429T045522_20230429T045645_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records
CS_OFFL_SIR_GOPN_2_20230429T053237_20230429T053416_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records
CS_OFFL_SIR_GOPN_2_20230429T054124_20230429T054414_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records
CS_OFFL_SIR_GOPN_2_20230429T063221_20230429T063710_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records
CS_OFFL_SIR_GOPN_2_20230429T071236_20230429T071615_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_20230429T072153_20230429T072308_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_20230429T075959_20230429T080052_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one more records
CS_OFFL_SIR_GOPN_2_20230429T081339_20230429T081534_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records
CS_OFFL_SIR_GOPN_2_20230429T085202_20230429T085520_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records
CS_OFFL_SIR_GOPN_2_20230429T090032_20230429T090157_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 beer set for one or more records
CS_OFFL_SIR_GOPN_2_20230429T092215_20230429T092527_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one on more records
CS_OFFL_SIR_GOPN_2_20230429T103938_20230429T104045_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one more records
CS_OFFL_SIR_GOPN_2_20230429T120723_20230429T120901_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one more records

CS_OFFL_SIR_GOPN_2_20230429T121643_20230429T121829_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_20230429T125824_20230429T130229_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_20230429T131536_20230429T131930_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_20230429T135512_20230429T140123_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_20230429T143222_20230429T143345_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_20230429T143701_20230429T144114_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_20230429T145825_20230429T150059_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_20230429T161548_20230429T161937_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_20230429T162951_20230429T163104_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_20230429T163524_20230429T163858_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_20230429T171535_20230429T171651_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_20230429T175038_20230429T175630_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_20230429T185442_20230429T185558_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_20230429T193223_20230429T193354_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_20230429T193430_20230429T193605_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_20230429T194759_20230429T194921_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_20230429T203133_20230429T203441_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_20230429T214023_20230429T214349_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_20230429T220430_20230429T220642_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_20230429T221033_20230429T221404_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_20230429T230607_20230429T230655_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_20230429T234512_20230429T234747_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_20230429T234940_20230429T235239_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_20230429T235411_20230429T235605_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_20230429T001523_20230429T001619_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_20230429T002950_20230429T003539_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

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60.0FTL_BR_00PTL_2020437019162_2020437019162_0.001 and balacter cally FAR_00XXXX and balacter cally FAR_00XXXXX 60.0FTL_BR_00PTL_2020437019162_2020437019162_0.001 2000 Alimetr Range Cally FAR_00XXXXX The Own Alimeter Range SAR_00YX 60.0FTL_BR_00PTL_2020437019162_2020437019162_0.001 2000 Alimetr Range Cally FAR_00XXXXX The Own Alimeter Range SAR_00YX 60.0FTL_BR_00PTL_2020437019162_2020437019162_0.001 2000 Alimetr Range Cally FAR_00XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	CS_OFFL_SIR_GOPR_2_20230429T010234_20230429T010435_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
Control Control <t< td=""><td>CS_OFFL_SIR_GOPR_2_20230429T012422_20230429T012908_C001</td><td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td><td>The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records</td></t<>	CS_OFFL_SIR_GOPR_2_20230429T012422_20230429T012908_C001	and Backscatter Quality PLRM, 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
GB_CEFL_SR_GOPR_2_2020x43710x101_0200x43710x101_0200 Implementation of an annumber of	CS_OFFL_SIR_GOPR_2_20230429T013814_20230429T014119_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
GS_OFFL_SIR_GOPR_2_20230497031442_2023049703142S_C001 Administr Flags and Sackaster Coulty Flags Nave been set for on sector. GS_OFFL_SIR_GOPR_2_20230497031402_2023049703160_C001 COCO Batecoultr Coulty Flags Nave been set for on sector. GS_OFFL_SIR_GOPR_2_2023049704162_20230497041655_C001 COCO Batecoultr Coulty Flags Nave been set for on sector. GS_OFFL_SIR_GOPR_2_2023049704163_20230497041655_C001 COCO Batecoultr Coulty Flags Nave been set for on sector. GS_OFFL_SIR_GOPR_2_2023049704163_20230497041655_C001 COCO Batecoultr Coulty Flags Nave been set for on sector. GS_OFFL_SIR_GOPR_2_2023049704163_20230497041655_C001 COCO Batecoultr Coulty Flags Nave been set for on sector. GS_OFFL_SIR_GOPR_2_20230497041635_20230497041655_C001 Cocon Alterior Flags and Backaster Coulty Flag GS_OFFL_SIR_GOPR_2_202304970510464_2023049705102_C001 Cocon Alterior Flags and Backaster Coulty Flag Nave been set for on sector. GS_OFFL_SIR_GOPR_2_202304970510415_2023049705448_C001 Cocon Alterior Flags and Backaster Coulty Flag Nave been set for On sector. GS_OFFL_SIR_GOPR_2_202304970510416_2023049705448_20230497074448_2023049705448_2023049705448_2023049705448_202304	CS_OFFL_SIR_GOPR_2_20230429T030401_20230429T031018_C001	and Backscatter Quality PLRM, 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
 Corpert, and Job Public Calify Corpert, Sint, GOPR J. 200304/30104136_010214436_0.001 Afferder Parge and Basicsatter Calify Fig. Corpert, Sint, GOPR J. 200304/30104136_010214436_0.001 Afferder Parge and Basicsatter Calify Fig. Corpert, Sint, GOPR J. 200304/30104136_0102144316_0001 Afferder Parge and Basicsatter Calify Fig. Corpert, Sint, GOPR J. 200304/30104316_0102144316_0001 Afferder Parge and Basicsatter Calify Fig. Corpert, Sint, GOPR J. 200304/30104310_000_012104442_0001 Afferder Parge and Basicsatter Calify Fig. Corpert, Sint, GOPR J. 200304/30104410_000_012104442_0001 Afferder Parge and Basicsatter Calify Fig. Corpert, Sint, GOPR J. 200304/30104410_000_012104442_0001 Afferder Parge and Basicsatter Calify Fig. Corpert, Sint, GOPR J. 200304/30104410_0000_012104442_0001 Afferder Parge and Basicsatter Calify Fig. Corpert, Sint, GOPR J. 200304/3010449_0105321_0001 Corpert, Sint, GOPR J. 200304/3010459_010530_0001 Afferder Parge and Baskcatter Calify Fig. Neuro to rerootic or or or or orootic or or or or	CS_OFFL_SIR_GOPR_2_20230429T031242_20230429T031253_C001	and Backscatter Quality PLRM, 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
GS_OFFL_SIR_GOPR_2_202304291044135_00230429104436_0001 and backcatter Cuality FLIM. OCCO. and backcatter Cuality FLIM. OCCO. GS_OFFL_SIR_GOPR_2_20230429104544_20230429104512_0001 backcatter Cuality FLIM. OCCO. and backcatter Cuality FLIM. OCCO. GS_OFFL_SIR_GOPR_2_20230429104544_202304291045012_0001 backcatter Cuality FLIM. OCCO. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. OCCO. CS_OFFL_SIR_GOPR_2_202304291054415_0230429105429_0001 backcatter Cuality FLIM. OCCO. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Inter Cocan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. The Occan Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. OCCOL Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. OCCOL Althreter Range, SSHA, SWH and Backcatter Cuality FLIM. OCCOL Althreter Range, SSHA, SWH and Backcatter Cuali	CS_OFFL_SIR_GOPR_2_20230429T031600_20230429T031816_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
C6_OFFL_SIR_GOPR_2_20230429104544_20230429104512_C001 and Backcatter Cuality FLRM_CCCG and Backcatter Cuality FLRM_CCCG C6_OFFL_SIR_GOPR_2_20230429105320_C0230429105320_C001 Common France France SSHA_SWH and Backcatter Cuality FLRM_CCCG bit Common France France SSHA_SWH and Backcatter Cuality FLRM_CCCG C6_OFFL_SIR_GOPR_2_20230429105449_C001 Common France France SSHA_SWH and Backcatter Cuality FLRM_CCCG bit Common France France SSHA_SWH and Backcatter Cuality FLRM_FRANCEG C6_OFFL_SIR_GOPR_2_20230429105449_C001 Common France France SSHA_SWH and Backcatter Cuality FLRM_FRANCEG bit Common France France SSHA_SWH and Backcatter Cuality FLRM_FRANCEG C6_OFFL_SIR_GOPR_2_20230429105429_C001 Common France France SSHA_SWH and Backcatter Cuality FLRM_FRANCEG bit Common France France SSHA_SWH and Backcatter Cuality FLRM_FRANCEG C6_OFFL_SIR_GOPR_2_20230429105429_C001 Common France France SSHA_SWH and Backcatter Cuality FLRM_FRANCEG bit Common France France SSHA_SWH and Backcatter Cuality FLRM_FRANCEG C6_OFFL_SIR_GOPR_2_202304291071236_C001 Common France France SSHA_SWH and Backcatter Cuality FLRM_FRANCEG bit Common France France SSHA_SWH and Backcatter Cuality FLRM_FRANCEG C6_OFFL_SIR_GOPR_2_202304291078520_C02304291078520_C02304291078520_C02304291078520_C02304291078520_C02304291078520_C02304291085301_C001 Common France France SSHA_SWH and Backcatter Cuality FLRM_FRANCEG C6_OFFL_SIR_GOPR_2_202304291084520_C001 Common France SSHA_SWH and Backcatter Cuality FLRM_FRANCEG Dim Common	CS_OFFL_SIR_GOPR_2_20230429T044135_20230429T044356_C001	and Backscatter Quality PLRM, 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
GS_OFFL_SIR_GOPR_2_20230429T05329_C001 and Backsaater Quality PLM The UseAn Admeter Range, SSHA, SWH and Backsaater Quality Flag Name Backsaater Quality PLM GS_OFFL_SIR_GOPR_2_20230429T05445_20230429T054449_C001 Constantianter Range, SSHA, SWH and Backsaater Quality Flag Name Backsaater Quality PLM GS_OFFL_SIR_GOPR_2_20230429T051466_20230429T054291_C001 Constantianter Range, SSHA, SWH and Backsaater Quality Flag Name Backsaater Quality Flag Name Backsaater Quality PLM CS_OFFL_SIR_GOPR_2_20230429T051946_20230429T05129_C001 Constantianter Range, SSHA, SWH and Backsaater Quality Flag Name Backsaater Quality PLM CS_OFFL_SIR_GOPR_2_20230429T051946_20230429T071238_C001 Constantianter Range, SSHA, SWH and Backsaater Quality Flag Name Backsaater Quality PLM CS_OFFL_SIR_GOPR_2_20230429T071003_20230429T071238_C001 Constantianter Range, SSHA, SWH and Backsaater Quality Flag Name Backsaater Quality PLM CS_OFFL_SIR_GOPR_2_20230429T071628_2001 Constantianter Range, SSHA, SWH and Backsaater Quality Flag Name Backsaater Quality PLM CS_OFFL_SIR_GOPR_2_20230429T080337_20230429T071528_C001 COCstantianter Range SSHA, SWH and Backsaater Quality Flag Name Backsaater Quality PLM CS_OFFL_SIR_GOPR_2_20230429T080337_20230429T081125_C001 Cocstantianter Range SSHA, SWH and Backsaater Quality Flag Name Backsaater Quality PLM CS_OFFL_SIR_GOPR_2_20230429T080337_20230429T08125_C001 Cocstantianter Range SSHA, SWH and Backsaater Quality Flag Name Backsaater Quality PLM CS_OFFL_SIR_GOPR_2_20230429T080303_20230429T08125_	CS_OFFL_SIR_GOPR_2_20230429T044544_20230429T045012_C001	and Backscatter Quality PLRM, 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
GS_OFFL_SIR_GOPR_2_20230429T09445_02030429T09449_C001 and Backscatter Quality PLN, COOG Immed Range, SSHA, SWH and Backscatter Quality Plags have be action on more records GS_OFFL_SIR_GOPR_2_20230429T071003_20230429T071286_C001 Coean Alimeter Range, SSHA, SWH and Backscatter Quality Plags have be action on or more records GS_OFFL_SIR_GOPR_2_20230429T071032_20230429T071286_C001 Coean Alimeter Range, SSHA, SWH and Backscatter Quality Plags have be action on or more records GS_OFFL_SIR_GOPR_2_20230429T071032_20230429T071286_C001 COCG Alimeter Range, SSHA, SWH and Backscatter Quality Flags have be action on or more records GS_OFFL_SIR_GOPR_2_20230429T071032_20230429T071286_C001 COCG Alimeter Range, SSHA, SWH and Backscatter Quality Flags have be action on ormore records GS_OFFL_SIR_GOPR_2_20230429T075052_20230429T075055_C001 COCG Alimeter Range, SSHA, SWH and Backscatter Quality Flags have be action on ormore records GS_OFFL_SIR_GOPR_2_20230429T080337_20230429T085201_C001 Cocan Alimeter Range, SSHA, SWH and Backscatter Quality Flags have ben set for on more records GS_OFFL_SIR_GOPR_2_20230429T084291_00230429T085201_C001 Cocan Alimeter Range, SSHA, SWH and Backscatter Quality Flags have ben set for on more records GS_OFFL_SIR_GOPR_2_20230429T084291_00230429T085201_C001 Cocan Alimeter Range, SSHA, SWH and Backscatter Quality Flags have ben set for on more records GS_OFFL_SIR_GOPR_2_20230429T084291_003030_C001 Cocan Alimeter Range, SSHA, SWH and Backscatter Quality Flags have ben set for on rome records <tr< td=""><td>CS_OFFL_SIR_GOPR_2_20230429T053050_20230429T053237_C001</td><td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td><td>The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records</td></tr<>	CS_OFFL_SIR_GOPR_2_20230429T053050_20230429T053237_C001	and Backscatter Quality PLRM, 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_202304297061946_202304297063221_C001 CCGan Altimeter Range SSHA_SWH and Backscatter Coulty PLRM CS_OFFL_SIR_GOPR_2_20230429707103_202304297071236_C001 The Ocean Altimeter Range SSHA_SWH and Backscatter Coulty PLRM CCGA Altimeter Range and Backscatter Coul	CS_OFFL_SIR_GOPR_2_20230429T054415_20230429T054449_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
GS_OFFL_SIR_GOPR_2_20230429T07103_20230429T071236_C001 Ind Backscatter Quality PLRM, COCO Ind Backscatter Quality PLRM, COCO GS_OFFL_SIR_GOPR_2_20230429T075825_20230429T075955_C001 OCCG Allimeter Range and Backscatter Quality PLRM, COCO The OCGG Allimeter Range, and Backscatter Quality PLRM, COCO GS_OFFL_SIR_GOPR_2_20230429T075825_20230429T08125_C001 OCCG Allimeter Range, SSHA, SWH and Backscatter Quality PLRM, COCO The OCGG Range and Backscatter Quality FLRM, COCO GCs_OFFL_SIR_GOPR_2_20230429T080337_20230429T08125_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCO The OCGR Range and Backscatter Quality FLRM, COCO GCs_OFFL_SIR_GOPR_2_20230429T084921_20230429T085201_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCOG Backscatter Quality PLRM, COCO Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCO Backscatter Quality PLRM, COCO Backscatter Quality PLRM, COCO Backscatter Quality PLRM, COCO Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCO Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCO Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, COCO Altimeter Range and Backscatter Quality FLRM, COCO Altimeter	CS_OFFL_SIR_GOPR_2_20230429T061946_20230429T063221_C001	and Backscatter Quality PLRM, 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_2023042910/5622_2023042910/5622_20230429108125_0001 OCOG Backscatter Quality Imore records CS_OFFL_SIR_GOPR_2_202304291080337_20230429108125_0001 Coean Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCOG Altimeter Range and Backscatter Quality PLM, OCOG Altimeter Range and Backscatter Quality PLM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLM, OCOG Altimeter Range and Backscatter Quality PLM, OCOG Altimeter Range and Backscatter Quality PLM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCOG Backscatter Quality PLM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, and Backscatter Quality PLM, OCOG Altimeter Range and Backscatter Quality FLM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCOG Altimeter Range and Backscatter Quality FLM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality	CS_OFFL_SIR_GOPR_2_20230429T071003_20230429T071236_C001	and Backscatter Quality PLRM, 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_20230429T080337_20230429T081125_C001 and Backscatter Quality FLM, OCCO Inter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T084921_20230429T085201_C001 Cean Altimeter Range, SHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T084921_20230429T093534_C001 Occan Altimeter Range and Backscatter Quality FLM, OCCO Altimeter Range, SHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T094044_20230429T094554_C001 Occan Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPR_2_20230429T094034_20230429T094250_C001 Occan Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPR_2_20230429T094034_20230429T094250_C001 Occan Altimeter Range, SHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T094355_20230429T095129_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T112314_20230429T113030_C001 Altimeter Range and Backscatter Quality Flags have be set for on more records CS_OFFL_SIR_GOPR_2_20230429T112314_20230429T113030_C001 Matimeter Range and Backscatter Quality Flags have be set for on more records CS_OFFL_SIR_GOPR_2_20230429T112314_20230429T113030_C001 Mimeter Range and Backscatter Quality Flags have be set for on more records	CS_OFFL_SIR_GOPR_2_20230429T075622_20230429T075955_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20230429T084921_20230429T085201_C001 and Backscatter Quality PLRM, CCOG Into Ocean Alimeter Range and Backscatter Quality PLRM, CCOG CS_OFFL_SIR_GOPR_2_20230429T093406_20230429T093534_C001 OCOG Alimeter Range and Backscatter Quality PLRM, CCOG The Ocean Alimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T094034_20230429T094250_C001 OCOG Alimeter Range and Backscatter Quality PLRM, CCOG The Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T094034_20230429T094250_C001 Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T094035_20230429T094250_C001 Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T094355_20230429T095129_C001 Ocean Alimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T112314_20230429T113030_C001 Ocean Alimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T113254_20230429T113305_C001 OCCGA Alimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T113264_20230429T112830_C0001 OCCGA Alimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T112830_20230429T112837_C001 OCCGA Alim	CS_OFFL_SIR_GOPR_2_20230429T080337_20230429T081125_C001	and Backscatter Quality PLRM, 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_20230429T094034_20230429T094250_C001 OCGG Backscatter Quality nore records CS_OFFL_SIR_GOPR_2_20230429T094034_20230429T094250_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range, and Backscatter Quality PLRM, OCCG CS_OFFL_SIR_GOPR_2_20230429T112314_20230429T113030_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG CS_OFFL_SIR_GOPR_2_20230429T112314_20230429T113030_C001 Occean Altimeter Range Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG The OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230429T113254_20230429T113305_C001 OCCGA Backscatter Quality PLRM, OCCG CS_OFFL_SIR_GOPR_2_20230429T12830_20230429T12824_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125824_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Qu	CS_OFFL_SIR_GOPR_2_20230429T084921_20230429T085201_C001	and Backscatter Quality PLRM, 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_20230429T094034_20230429T094250_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The OCGA Itimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20230429T094355_20230429T095129_C001 Cean 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 CS_OFFL_SIR_GOPR_2_20230429T112314_20230429T113030_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The OCean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20230429T113254_20230429T113035_C001 OCCGA Altimeter Range Quality PLRM The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20230429T113254_20230429T113255_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The OCCGA Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPR_2_20230429T121830_20230429T122037_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125624_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125624_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The OCCGA Altimeter Range an	CS_OFFL_SIR_GOPR_2_20230429T093406_20230429T093534_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20230429T094355_20230429T095129_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG PLRM and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T112314_20230429T113030_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T113254_20230429T113305_C001 OCGG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125824_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125824_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags Altimeter Range and Backscatter Quality Flags have been set for one set for one or more records <	CS_OFFL_SIR_GOPR_2_20230429T094034_20230429T094250_C001	and Backscatter Quality PLRM, 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_20230429T112314_20230429T113030_C001 and Backscatter Quality PLRM, OCOG The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230429T113254_20230429T113305_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCGA Altimeter Range and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPR_2_20230429T121830_20230429T122037_C001 OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125824_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for on more records CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125824_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125824_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20230429T13030_20230429T125824_C001 OCCGA Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG CS_OFFL_SIR_GOPR_2_20230429T13030_20230429T130954_C001 OCCGA Altimeter Range Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCGG CS_OFFL_SIR_GOPR_	CS_OFFL_SIR_GOPR_2_20230429T094355_20230429T095129_C001	and Backscatter Quality PLRM, 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_20230429T13234_20230429T13305_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPR_2_20230429T121830_20230429T122037_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125824_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPR_2_20230429T112314_20230429T113030_C001	and Backscatter Quality PLRM, 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_20230429T121830_20230429T122037_C001 and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have be CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125639_20230429T125824_C001 Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125824_C001 Ocean Altimeter Range and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125824_C001 OCOG Altimeter Range and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have be CS_OFFL_SIR_GOPR_2_20230429T130954_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for on	CS_OFFL_SIR_GOPR_2_20230429T113254_20230429T113305_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20230429T125639_20230429T125824_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM OCOG Attimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for on	CS_OFFL_SIR_GOPR_2_20230429T121830_20230429T122037_C001	and Backscatter Quality PLRM, 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_20230429T125639_20230429T125824_C001	and Backscatter Quality PLRM, 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_20230429T130230_20230429T130954_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20230429T142736_20230429T142906_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG Backscatter QUAL QUAL QUAL QUAL QUAL QUAL QUAL QUAL	CS_OFFL_SIR_GOPR_2_20230429T142736_20230429T142906_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
	CS_OFFL_SIR_GOPR_2_20230429T143345_20230429T143603_C001	and Backscatter Quality PLRM, 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_20230429T144114_20230429T144711_C001	and Backscatter Quality PLRM, 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_20230429T144713_20230429T144809_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_20230429T150233_20230429T150645_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_20230429T150648_20230429T150854_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_20230429T161937_20230429T162810_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_20230429T163418_20230429T163500_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_20230429T171652_20230429T171826_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_20230429T175631_20230429T180413_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_20230429T180424_20230429T180535_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_20230429T185558_20230429T185755_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_20230429T193605_20230429T194225_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_20230429T194225_20230429T194538_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, w	hich are summarised below	

Currently, there are several common flags raised in the Level 2 products, which are summarised below.

202

65

154

> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected.

Number of products with errors:

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 measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

6.2 P2P Product Header Analysis

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

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20230428T234957_20230429T003933_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T003933_20230429T012911_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T012911_20230429T021848_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T021848_20230429T030826_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T030826_20230429T035803_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T035803_20230429T044741_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T044741_20230429T053718_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220230429T053718_20230429T062655_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T062655_20230429T071632_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20230429T071632_20230429T080610_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220230429T080610_20230429T085547_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T085547_20230429T094525_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_220230429T094525_20230429T103502_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T103502_20230429T112439_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T112439_20230429T121416_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T121416_20230429T130354_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T130354_20230429T135331_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220230429T135331_20230429T144309_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220230429T144309_20230429T153246_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220230429T153246_20230429T162223_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T162223_20230429T171200_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T171200_20230429T180138_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 height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20230429T180138_20230429T185115_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T185115_20230429T194053_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T194053_20230429T203030_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T203030_20230429T212008_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T212008_20230429T220944_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T220944_20230429T225922_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230429T225922_20230429T234859_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

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

1

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20230429T162223_20230429T171200_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	r each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.	
Since the P2P Quality Flags are copied d	lirectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.	
Number of products with errors:	30	
P2P Quality Flags (20 Hz PLRM)		
Since the P2P Quality Flags are copied d	lirectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.	
Number of products with errors:	30	
P2P Quality Flags (1 Hz & 1 Hz P	2LRM)	
Since the P2P Quality Flags are copied d	irectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.	
Number of products with errors:	30	
	vality Chook	
6.8 P2P Ocean Retracking Qu	Jality Check	
P2P Retracking Flags (20 Hz)		
P2P Retracking Flags (20 Hz) Cryosat P2P data includes an ocean retrack	king quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.	
P2P Retracking Flags (20 Hz) Cryosat P2P data includes an ocean retrack Ocean Retracking Quality Flag (PLRM): T	ring quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set. This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.	
P2P Retracking Flags (20 Hz) Cryosat P2P data includes an ocean retrack Ocean Retracking Quality Flag (PLRM): T Number of products with errors:	king quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.	
P2P Retracking Flags (20 Hz) Cryosat P2P data includes an ocean retrack Ocean Retracking Quality Flag (PLRM): T	ring quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set. This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.	
P2P Retracking Flags (20 Hz) Cryosat P2P data includes an ocean retrack Ocean Retracking Quality Flag (PLRM): T Number of products with errors: P2P Retracking Flags PLRM	ring quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set. This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.	
P2P Retracking Flags (20 Hz) Cryosat P2P data includes an ocean retrack Ocean Retracking Quality Flag (PLRM): T Number of products with errors: P2P Retracking Flags PLRM CryoSat L2 data includes an ocean retracking	king quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set. This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected. 26	

Number of products with errors:

7. GOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	178	178	5	173	0
SIR_GOPR1B	136	136	0	136	0
SIR_GOPN1B	107	107	2	105	0
SIR_GOPM_2	178	178	122	56	0
SIR_GOPR_2	136	136	50	84	2
SIR_GOPN_2	107	107	43	64	0
SIR_GOP_P2P	29	29	0	27	2

7.1 QCC Errors

Number of QCC reports with errors:	Number	of QCC	reports	with	errors:
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Number of QCC reports with errors: 4											
					Total number	of occurrences	s of each error				
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOPR_2	2	2	2	2							
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOP_2_	2	2	2	2							
Test Descriptio	n Key:										
Abbreviation	Test na	ime		Details							
RLOBOPNCDF	RangeLa	atitudeOrBlankOP_	7NetCDF	Latitude should be	between -90E7 an	id 90E7					
RL	RangeLa	atitude_7		Latitude should be between -90E7 and 90E7							
RLOBOPNCDF	RangeLo	ongitudeOrBlankOF	P_7NetCDF	Longitude should b	e between -180E7	and 180E7					
RL	RangeLo	ongitude_7		Longitude should b	e between -180E7	and 180E7					

7.2 QCC Warnings

umber of QCC repo	rts with warnings	2239						
	-	1		per of occurrences of ea	, v	r		
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMN	
SIR_GOPM1B	173	0	0	0	0	0	0	
SIR_GOPM_2	0	0	37	39	0	46	0	
SIR_GOPN1B	104	0	0	0	0	0	0	
SIR_GOPN_2	0	0	13	34	2	30	29	
SIR GOPR1B	131	0	0	0	0	0	0	
SIR GOPR 2	0	2	34	51	1	31	25	
Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCI	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	
SIR_GOPM1B	0	0	0	0	0	0	0	
SIR_GOPM_2	32	30	0	0	0	0	17	
SIR_GOPN1B	0	0	0	0	0	0	0	
SIR_GOPN_2	23	0	0	18	0	34	0	
SIR_GOPR1B	0	0	0	0	0	0	0	
SIR_GOPR_2	19	0	50	0	52	0	0	
Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	
SIR_GOPM1B	0	0	0	0	0	0	0	
SIR_GOPM_2	0	0	1	25	0	4	33	
SIR_GOPN1B	0	0	0	0	0	0	0	
SIR_GOPN_2	0	27	19	45	57	29	31	
SIR_GOPR1B	0	0	0	0	0	0	0	
SIR_GOPR_2	47	0	3	73	40	12	39	
			-					
Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-	-	
SIR_GOPM1B	0	0	0	0	0			
SIR_GOPM_2	0	3	0	0	0			

SIR_GOPN1B	0	0	0	52	2			
SIR_GOPN_2	29	16	0	0	0			
SIR_GOPR1B SIR GOPR 2	0 47	0	0	136 0	12			
SIN_GOFN_2	47	2	4	0				
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	DRBSZOPOEPNCDF	
SIR_GOP_2_	15	29	28	4	29	18	29	
Product Type	RPEPOPFDPLRMSINNCD		RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	
SIR GOP 2	17	28	20	15	29	18	25	
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCD		SPHLPQWNCDF	-	-	-	
SIR_GOP_2_	29	17	15	29				
Test Description Key:								
Abbreviation	Test name			Details				
BCSHNCDF	BurstCounterStep20HzNet	CDF		The burst counter should b	be one higher with regard to the	ne previous burst counter		
IOHHMOOR	IndexOf1Hzin20HzMapping	gOutOfRange		The mapping of 20 Hz to 1	Hz measurements should be	e in the range 0 to (number o	of 1 Hz samples - 1)	
MVIOEPFDNCDF	MissingValueIntOceanExcl	ludingPolarFD2NetCDF		The value should not be a	'missing value' for surface ty	pe 0 only for latitudes betwe	en -70 and 70 degrees	
MVIOEPNCDF	MissingValueIntOceanExcl	ludingPolarNetCDF		The value should not be a	'missing value' for surface ty	pe 0 only for latitudes betwe	en -70 and 70 degrees	
MVIONCDF	MissingValueIntOceanNet	CDF			'missing value' for surface ty			
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZe	eroOPOceanExcludingPola	rFD2NetCDF	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	RangeBackscatterSigmaZe	eroOPOceanExcludingPola	rFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPNCDF	RangeBackscatterSigmaZe	eroOPOceanExcludingPola	rNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDLRMNCDF	RangePeakinessExcluding	PolarOPFD2LRMNetCDF		The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcluding	PolarOPFD2PLRMSARNe	CDF	and 70 degrees				
RPEPOPFDPLRMSINN CDF	RangePeakinessExcluding	PolarOPFD2PLRMSINNet	CDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSARNCDF	RangePeakinessExcluding	PolarOPFD2SARNetCDF		The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70				
RPEPOPFDSINNCDF	RangePeakinessExcluding	PolarOPFD2SINNetCDF		and 70 degrees	-			
RPEPOPLRMNCDF	RangePeakinessExcluding	PolarOPLRMNetCDF		The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees. The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70.				
RPEPOPSARNCDF	RangePeakinessExcluding	PolarOPSARNetCDF		and 70 degrees	-			
RPEPOPSINNCDF	RangePeakinessExcluding	PolarOPSINNetCDF		The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSSBCONCDF	RangeSeaStateBiasCorrec	tionOceanNetCDF		The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean				
RSSHAOFDNCDF	RangeSeaSurfaceHeightAr	nomalyOceanFD3NetCDF		The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAr	nomalyOceanFD3PLRMNe	tCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSSHAONCDF	RangeSeaSurfaceHeightAr	nomalyOceanNetCDF		ocean	omaly should be between -30			
RSWHOEPFDNCDF	RangeSignificantWaveHeig	ghtOceanExcludingPolarFE	2NetCDF	latitudes between -70 and		, o,		
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeig	ghtOceanExcludingPolarFE	2PLRMNetCDF	latitudes between -70 and	-			
RSWHOEPNCDF	RangeSignificantWaveHeig	ghtOceanExcludingPolarNe	tCDF	The significant wave heigh latitudes between -70 and	nt should be between 0mm ar 70 degrees	d 15000mm (or missing) for	surface type = ocean for	
SOOHHIFHD	SameOrOneHigher1HzInde	exFor20HzData		The 1 Hz index of a 20 Hz	sample should be the same	or 1 higher than its previous	sample	
SCSTODHRNCDF	SequenceCounterStepTOE	DHRNetCDF		The sequence counter sho	ould be modulo 4 higher with	regard to the previous seque	ence counter	
SCSTODNCDF	SequenceCounterStepTOE	DNetCDF		The sequence counter sho	ould be one higher (modulo 1	6384) with regard to the prev	ious sequence counter	

7.3 Missing QCC Reports

Number of products with missing QCC reports: 0