

## **QA4EO Daily Report for GOP data:**

<u>16/03/2023</u>

## IDEAS-QA4E0

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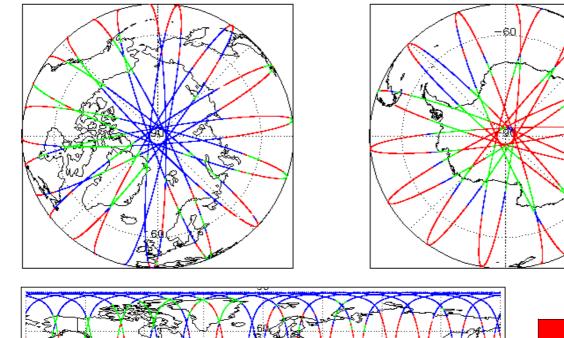
LRM SAR SARIn

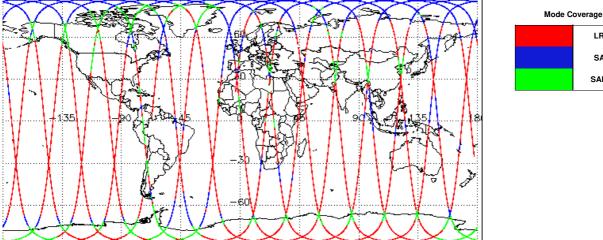
Demont Dreduction.	17 4 0000	Check	L1 & L2	P2P
Report Production:	17-Apr-2023	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:		Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
L1B, L2 & P2P Science Data		Product Header Analysis	See Sections 4.2 and 5.2	See Section 6.2
		Auxiliary Data File Usage Check	See Section 4.3 and 5.3	See Section 6.3
We would	love to hear from you!	Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1, 7.2 and 7.

1. Overview

Mission / Instrument News			
15-Mar-2023	None		
16-Mar-2023	None		
17-Mar-2023	Nothing planned		

# 2. Global Coverage





## 3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

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

# 4. GOP Level 1B Data Quality Check

### 4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.				
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B G	OPR and GOPN products because the I1	p_processing_quality_hr field is not correctly configured in the OSAR and		
OSARIn chains. A modification is required in the next release.				
Number of products with errors: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-de	etermined baseline and also to check the v	alidity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement record. T	he bit value of this flag indicates any prob	lems when set.		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measuremen	t record. The bit value of this flag indicates	s any problems when set		
Attitude Correction Missing: This flag is currently set in error for GOPR product				
Number of products with errors: 1				
		I=		
	Test Failed	Description There is an error in the scaling of the L1B waveform for one or more		
CS_OFFL_SIR_GOPM1B_20230316T115158_20230316T115339_C001	Power scaling error	records		
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record. T	he hit value of this flag indicates any probl	ems when set		
Loss of Echo Flag: This flag is currently set for some products over land, but this				
Number of products with errors: 16				
•				
Product CS OFFL SIR GOPM1B 20230316T030753 20230316T032331 C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPM1B_20230316T114634_20230316T115126_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPM1B_20230316T115158_20230316T115339_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPM1B_20230316T154029_20230316T154923_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPM1B_20230316T163156_20230316T163452_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20230316T021252_20230316T021733_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20230316T080358_20230316T080520_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20230316T102039_20230316T102140_C001 CS_OFFL_SIR_GOPN1B_20230316T143735_20230316T143928_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 20230316T152109 20230316T152325 C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20230316T221531_20230316T221729_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20230316T002554_20230316T003248_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20230316T035548_20230316T040012_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20230316T102330_20230316T103220_C001	Loss of Echo	The tracking echo is missing for one or more records		
5. GOF	Level 2 Data Quality Ch	neck		
5.1 L2 Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to ens	ure it consists of both an XML header file	(.HDR) and a NetCDF product file (.nc).		
Number of products with errors: 0				
5.2 L2 Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SI	PH in order to identify any inconsistencies	and/or errors raised by the ground-segment processing chain.		
Number of products with errors: 0				
5.2.1.2 Auxiliany Data Fila Upaga Chaok				
5.3 L2 Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.				
Number of products with errors: 0				
5.4 L2 Auxiliary Correction Error Check				
For all products, the auxiliary corrections within the Geophysical Group are checked	ed for the default error value (32767).			
Currently, there are some common auxiliary correction errors raised in the I followed by a table highlighting any additional issues that may arise from the		to surface type. All common flags are summarised in the list below,		
> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Corection, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.				
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.				
> Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.				
Number of products with errors: 49				
Product	Test Failed	Description		

	Test Fallea	Description
CS_OFFL_SIR_GOPM_2_20230316T072326_20230316T075221_C001	Ilviean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records

CS_OFFL_SIR_GOPN_2_20230316T005154_20230316T005249_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_20230316T011721_20230316T012001_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T012201_20230316T012732_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T021252_20230316T021733_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20230316T025635_20230316T025910_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T035156_20230316T035305_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T053114_20230316T053706_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T061404_20230316T061552_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_20230316T062404_20230316T062628_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_20230316T071126_20230316T071535_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20230316T085324_20230316T085743_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_20230316T093340_20230316T093713_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T111257_20230316T111617_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T112130_20230316T112254_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_20230316T120339_20230316T120500_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T130033_20230316T130141_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_20230316T134301_20230316T134410_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T143735_20230316T143928_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T152109_20230316T152325_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20230316T161608_20230316T162111_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T165655_20230316T170206_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T174642_20230316T174935_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_20230316T175810_20230316T175858_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_20230316T183648_20230316T184030_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20230316T202644_20230316T202810_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_20230316T224547_20230316T224712_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_20230316T225231_20230316T225536_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T002554_20230316T003248_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T003248_20230316T003713_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T020724_20230316T021141_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T021142_20230316T021251_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T034519_20230316T034847_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T034847_20230316T035156_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T052449_20230316T053114_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T070637_20230316T071126_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T084323_20230316T085324_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T102330_20230316T103220_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_20230316T120500_20230316T121242_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T134411_20230316T135123_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T145855_20230316T150108_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPR_2_20230316T152326_20230316T153018_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T170207_20230316T170814_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T184030_20230316T184949_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T201723_20230316T202501_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T215655_20230316T220321_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T220321_20230316T220616_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T233519_20230316T234221_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T234221_20230316T234402_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

## 5.5 L2 Measurement Confidence Data Check

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

### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20230316T115158_20230316T115339_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.

1

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

85

### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20230315T234818_20230316T002257_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_20230316T004733_20230316T005154_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_20230316T005250_20230316T011028_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_20230316T011330_20230316T011438_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_20230316T012851_20230316T014429_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_20230316T014549_20230316T014621_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_20230316T015102_20230316T015809_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_20230316T021810_20230316T023553_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_20230316T023717_20230316T025113_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_20230316T025911_20230316T030111_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_20230316T030219_20230316T030614_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_20230316T030753_20230316T032331_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_20230316T032533_20230316T033455_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_20230316T040246_20230316T041357_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_20230316T043002_20230316T043405_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_20230316T043717_20230316T044516_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_20230316T044706_20230316T050239_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_20230316T053931_20230316T054909_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_20230316T054911_20230316T061323_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_20230316T061553_20230316T061801_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_20230316T061828_20230316T062404_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_20230316T062631_20230316T065150_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_20230316T070117_20230316T070133_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_20230316T072326_20230316T075221_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_20230316T075803_20230316T080239_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_20230316T080521_20230316T083257_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_20230316T083359_20230316T083401_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_20230316T085743_20230316T093135_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_20230316T093713_20230316T094246_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_20230316T094410_20230316T095033_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_20230316T100958_20230316T101125_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_20230316T102140_20230316T102330_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_20230316T103650_20230316T111100_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

QCD/L_SHILQUOYUL_SHILDUOYUL_SHILDUO         RCCD/SHILLUO			
Gir Die Leis Gord     2000 Alterei Frege voll Alteraction Darity Good       Gir Die Leis Gord     2000 Alterei Frege voll Alteraction Darity Frege Aber D	CS_OFFL_SIR_GOPM_2_20230316T111617_20230316T112130_C001		
Gil DHL BR BORN 2 20201011022 202010110202 202010110202 202010110202 20201010000 Cash       pert BBR COM Ansoch Page 3000 Cash Cash Page 3000 Cash	CS_OFFL_SIR_GOPM_2_20230316T112312_20230316T114312_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
63. OFFL SRL GOVM 2. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 20200111712612. 2020011171	CS_OFFL_SIR_GOPM_2_20230316T121502_20230316T123532_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Optimization         Description         Description         Description           02         OPEL SPR_00PW_2 account (112023) 202001(112023) 20200         Description Paraging SpR0, 00PW, 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(112023) 202001(1120023) 202001(112023) 202001(1120023) 202001(112023) 202001	CS_OFFL_SIR_GOPM_2_20230316T123642_20230316T124846_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
B3, GFH_SB, GOML 2, M0201H1131B12, 0001       Instruction Curry, GFL       Instruction Curry, GFL         C3, GFH_SB, GOML 2, M0201H1131B12, 02001H1135B12, 02001       Does Afteres Regs, SBL, SWL       The Oscilla Afteres Regs, SBL, SWL         C3, GFL_SB, GOML 2, M0201H1135B12, 02001H1135B12, 02001H1135B1	CS_OFFL_SIR_GOPM_2_20230316T125635_20230316T130032_C001		
CS_0FFL_SR_0CP4L_2.202001FT13019_202001FT14001_0021         Immit Resp. SNA, SWF         Immit Resp. SNA, SWF           CS_0FFL_SR_0CP4L_2.022001FT14002_002101FT141001_0021         COCC Altherer Reng, SNA, SWF         Immit CoCC Altherer Reng, SNA, SWF           CS_0FFL_SR_0CP4L_2.022001FT14002_002101FT14104_001         Cocca Altherer Reng, SNA, SWF         Immit CoCCA Altherer Reng, SNA, SWF         Immit CoCCA Altherer Reng, SNA, SWF           CS_0FFL_SR_0CP4L_2.022001FT14002_002101FT14114_001         Cocca Altherer Reng, SNA, SWF         Immit CoCCA Altherer Reng, SNA, SWF         Immit CoCCA Altherer Reng, SNA, SWF           CS_0FFL_SR_0CP4L_2.022001FT141001_002101FT14114_001         Cocca Altherer Reng, SNA, SWF         Immit CoCCA Altherer Reng, SNA, SWF         Immit CoCCA Altherer Reng, SNA, SWF           CS_0FFL_SR_0CP4L_2.022001FT141001_002201FT142561_0011         Cocca Altherer Reng, SNA, SWF         Immit CoCCA Altherer Reng, SNA, SWF           CS_0FFL_SR_0CP4L_2.022001FT14101_002201FT14554_10011         Cocca Altherer Reng, SNA, SWF         Immit CoCCA Altherer Reng, SNA, SWF           CS_0FFL_SR_0CP4L_2.022001FT14001_002301FT14554_10011         Cocca Altherer Reng, SNA, SWF         Immit CoCCA Altherer Reng, SNA, SWF           CS_0FFL_SR_0CP4L_2.022001FT14001_002301FT14554_10011         Cocca Altherer Reng, SNA, SWF         Immit CoCCA Altherer Reng, SNA, SWF           CS_0FFL_SR_0CP4L_2.022001FT14001_002301FT14554_10011         Cocca Altherer Reng, SNA, SWF         Immit Reng, SNA, SWF         Immit Reng, SNA, SWF	CS_OFFL_SIR_GOPM_2_20230316T130234_20230316T133133_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CRUMPLE-DRUCK/PL2.00301811 (1900)_20001         Backscalar         Cally         for one or none reside           CRUMPL_SIN_COMM_2_2022031811 (1905)_2020031811 (1905)_202001         Crean Anneter Rang, SNA, SWH and Neuro Common Range and Backscalar Cally Flags and Neuro Range Range SNA, SWH and Range R	CS_OFFL_SIR_GOPM_2_20230316T133150_20230316T133850_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C5: 0FFL SIR 00PM 2.20230161141052 202301611410554 C001       Ind Budseatter Quality, C002       Ind Dudseatter Quality, C002         C6: 0FFL SIR 00PM 2.20230161141052,20230161141148,C001       Ind Dudseatter Quality, C002       Ind Dudseatter Quality, C002         C6: 0FFL SIR 00PM 2.20230161141052,20230161141148,C001       Ind Dudseatter Quality, C002       Ind Dudseatter Quality, C002         C6: 0FFL SIR 00PM 2.20230161141052,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,20230161140315,202300161140315,202300161140315,20230161140315,20230161140315,202301	CS_OFFL_SIR_GOPM_2_20230316T134020_20230316T134301_C001		
CB_OFFL_SIR_GOPM_2_0220316T14108_02001         and Backsatter Quality. DOCG           CB_OFFL_SIR_GOPM_2_0220316T14105_0203016T146318_0001         and Backsatter Quality. Figs Rave been Althouse Prags. SSH, SWH           CB_OFFL_SIR_GOPM_2_0220316T14105_0203016T146318_0001         and Backsatter Quality. Figs Rave been Althouse Prags. SSH, SWH           CB_OFFL_SIR_GOPM_2_0220316T14401_20203016T146318_0001         and Backsatter Quality. Concol           CB_OFFL_SIR_GOPM_2_0220316T14400_20203016T146318_0001         COCG Althouse Prags. SSH, SWH           CB_OFFL_SIR_GOPM_2_02203016T14400_20203016T146314_0011         COCG Althouse Prags. SSH, SWH           CB_OFFL_SIR_GOPM_2_02220316T14400_20203016T146314_0011         COCG Althouse Prags. SSH, SWH           CB_OFFL_SIR_GOPM_2_02220316T14400_20203016T146314_0011         COCG Althouse Prags. SSH, SWH           CB_OFFL_SIR_GOPM_2_02220316T151506_0011         COCG Althouse Prags. SSH, SWH           CB_OFFL_SIR_GOPM_2_02220316T151506_0011         COCG Althouse Prags. SSH, SWH           CB_OFFL_SIR_GOPM_2_02220316T151506_0010         COCG Althouse Prags. SSH, SWH           CB_OFFL_SIR_GOPM_2_02220316T151506_0011         COCG Althouse Prags. SSH, SWH           CB_OFFL_SIR_	CS_OFFL_SIR_GOPM_2_20230316T135822_20230316T140554_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SIR_GOPM_2_0020016T14151_00220016T145819_0001         and Backscatter Quality, COCO and Backscatter Quality, COCO Backscatter Quality, COCO Backscatter Quality, COCO Backscatter Quality, COCO Backscatter Quality, COCO Althreeter Range and Backscatter Quality Fags have been set for or or none mecrosts           CS_OFFL_SIR_GOPM_2_0020016T14601_0020016T14601_0020016T14504_CODI         Ocean Althreet Range, SSHA, SWH and Backscatter Quality, COCO Althreeter Range, SSHA, SWH and Backscatter Quality, COCO Althreeter Range, SSHA, SWH and Backscatter Quality Fags have been Althreeter Range and Backscatter Quality, COCO Althreeter Range, SSHA, SWH and Backscatter Quality, COCO Althreeter Range, SSHA, SWH and Backscatter Quality Fags have been Althreeter Range and Backscatter Quality Fags have been Althreeter Range and Backscatter Quality Fags have been Althreeter Range and Backscatter Quality Fags have been at for oor or nore necords           CS_OFFL_SIR_GOPM_2_20220316T164262_0230316T164263_0230316T164263_0203016T164263_0230316T164263_0230316T164263_0230316T164263_0230316T164263_0230316T164263_0230316T164263_0230316T164263_0230316T164263_0230316T164	CS_OFFL_SIR_GOPM_2_20230316T141036_20230316T141148_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Concern Alimeter Caulity     Extra Caulity     Extr     Extra Caulity     Extr     Extra Caulity     Extra Caulity	CS_OFFL_SIR_GOPM_2_20230316T141151_20230316T142818_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM 2: 20230316T144601; 20230316T14854; C001       and Backscatter Quality, COCG       and Backscatter Quality, COCG       and the advacatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimuter Range and Backscatter Quality, Flags have been Attimuter Range and Backscatter Quality, Flags have been Attimuter Range Backscatter Quality, Flags have been attimuter Range Backscatter Quality, Flags have been set for one or none records               The Qocan Attimuter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or none records              The Qocan Attimuter Range,	CS_OFFL_SIR_GOPM_2_20230316T142959_20230316T143517_C001		
CS_OFFL_SIR_GOPM_2_20230316T15109_20230316T15106_C001       and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the COCG Altimeter Range and Backscatter Quality, Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20220316T162301_20230316T162305_C001       COCG Altimeter Range Quality, COCG Altimeter Range ASHA, SWH and Backscatter Quality, Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20220316T163156_20230316T163452_C001	CS_OFFL_SIR_GOPM_2_20230316T144601_20230316T145854_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230316T151642_001       and Backscatter Quality COCG         Attender Range and Backscatter Quality Flags have been Attender Range and Backscatter Quality Flags have been Attender Range and Backscatter Quality Flags have been at the COCG Attender Range SNA, SWH and Backscatter Quality Flags have been at the COCG Attender Range SNA, SWH and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range SNA, SWH and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and Backscatter Quality Flags have been at the COCG Attender Range and	CS_OFFL_SIR_GOPM_2_20230316T150109_20230316T151306_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230316T154029_20230316T154029_20230316T154029_20230316T154029_20230316T154029_20230316T154025_20230316T155056_CO11       and Backscatter Quality, CCCG       and the OCCG Allimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_GOPM_2_20230316T154025_20230316T155056_CO11       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_GOPM_2_20230316T155236_20230316T160737_CO11       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_GOPM_2_20230316T160757_C011       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_GOPM_2_20230316T160757_C011       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T160757_C011       OCGG Altimeter Range Cuality, OCCG       The OCEan Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T162301_20230316T162358_C001       OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T162755_20230316T162459_C001       OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T163156_20230316T163452_C001       OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20230316T151557_20230316T151648_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230316T154925_20230316T155056_C001       and Backscatter Quality COG Attimeter Range and Backscatter Quality State Quality os for one or more records         CS_OFFL_SIR_GOPM_2_20230316T155256_20230316T160737_C001       Cocan Attimeter Range, SSHA, SWH and Backscatter Quality, COCG Attimeter Range and Backscatter Quality os for one or more records       The OCGA Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been attimeter Range and Backscatter Quality os for one or more records         CS_OFFL_SIR_GOPM_2_20230316T160925_20230316T161429_C001       OCOG Attimeter Range Quality, OCOG Attimeter Range and Backscatter Quality       The OCGA Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T162301_20230316T162358_C001       OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T162356_20230316T162452_C001       OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T163156_20230316T163452_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, COCG Attimeter Range and Backscatter Quality Flags have been attimeter Range and Backscatter Quality Flags have been attimeter Range and Backscatter Quality, COCG Attimeter Range and Backscatter Quality Flags have been attimeter Range and Backscatt	CS_OFFL_SIR_GOPM_2_20230316T154029_20230316T154923_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230316T155236_20230316T160737_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality       set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T160925_20230316T16129_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_20230316T162301_20230316T162358_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T162755_20230316T162849_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T163156_20230316T163452_C001       OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T163156_20230316T163452_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at timeter Range, act Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20230316T164610_20230316T165309_C001       Ocean Altimeter Range, SSHA, SWH and Backscatte	CS_OFFL_SIR_GOPM_2_20230316T154925_20230316T155056_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_202303161160325_202303161160425_0001       Backscatter Quality       for one or more records         CS_OFFL_SIR_GOPM_2_20230316T162301_20230316T162358_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, SCOG Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T163156_20230316T163452_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been action or more records         CS_OFFL_SIR_GOPM_2_20230316T1634610_20230316T163452_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T172453_20230316T172709_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T172830_20230316T172830_20230316T174635_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or m	CS_OFFL_SIR_GOPM_2_20230316T155236_20230316T160737_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230316T162301_20230316T162358_C001       and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T162755_20230316T162849_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_20230316T162755_20230316T163452_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T163156_20230316T163452_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T164610_20230316T165309_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T172323_20230316T172709_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20230316T160925_20230316T161429_C001		
CS_OFFL_SIR_GOPM_2_202303161162/55_202303161162459_C001       Backscatter Quality       for one or more records         CS_OFFL_SIR_GOPM_2_202303161163156_202303161163452_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality         CS_OFFL_SIR_GOPM_2_202303161164610_202303161165309_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality         CS_OFFL_SIR_GOPM_2_202303161172323_202303161172709_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality         CS_OFFL_SIR_GOPM_2_202303161172323_202303161172709_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been at the CCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and	CS_OFFL_SIR_GOPM_2_20230316T162301_20230316T162358_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230316T163156_20230316T163452_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T164610_20230316T165309_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_GOPM_2_20230316T162755_20230316T162849_C001		
CS_OFFL_SIR_GOPM_2_20230316T164610_20230316T165309_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality       set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T172323_20230316T172709_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPM_2_20230316T172830_20230316T174635_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality, OCOG       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG         CS_OFFL_SIR_GOPM_2_20230316T172830_20230316T174635_C001       Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_GOPM_2_20230316T163156_20230316T163452_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230316T172323_20230316T172709_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20230316T172830_20230316T174635_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20230316T172830_20230316T174635_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20230316T172830_20230316T174635_C001       OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20230316T164610_20230316T165309_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230316T172830_20230316T174635_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG CS_OFFL_SIR_GOPM_2_20230316T172830_20230316T175346_C001 OCOG Altimeter Range Quality, OCOG OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_GOPM_2_20230316T172323_20230316T172709_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20230316T172830_20230316T174635_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records	CS_OFFL_SIR_GOPM_2_20230316T174935_20230316T175346_C001		

CS_OFFL_SIR_GOPM_2_20230316T175408_20230316T175556_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_20230316T175942_20230316T182328_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_20230316T190036_20230316T192622_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_20230316T192737_20230316T193301_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_20230316T193308_20230316T193633_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_20230316T193849_20230316T201209_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_20230316T204343_20230316T205745_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_20230316T205923_20230316T210601_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_20230316T210734_20230316T211541_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_20230316T211817_20230316T215304_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_20230316T220616_20230316T220718_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_20230316T221801_20230316T221929_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_20230316T223629_20230316T224530_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_20230316T224712_20230316T225229_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_20230316T225749_20230316T232041_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_20230316T232327_20230316T233247_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_20230316T234450_20230316T234900_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230316T005154_20230316T005249_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230316T051655_20230316T051659_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230316T094246_20230316T094402_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230316T222608_20230316T222631_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230316T225231_20230316T225536_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

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### L2 Quality Flags (20 Hz PLRM)

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

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

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

Number of products with errors: 87		
Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20230316T005154_20230316T005249_C001	<b>3</b>	The OCOG Range and Backscatter Quality Flags have been set for one or more records

DCL, DHL, LUKDON LUKDEN HIN (12.000)         Deem After Image (19.00, 10.00)         Deem After Image (19.00, 10.00)           SC, DHL, SHL, DON'LL, LUKDON HIN (12.000)         DEEM After Image (19.00, 10.00)         DEEM After Image (19.00, 10.00)           SC, DHL, SHL, DON'LL, LUKDON HIN (12.000)         DEEM After Image (19.00, 10.00)         DEEM After Image (19.00, 10.00)           SC, DHL, SHL, DON'LL, LUKDON HIN (10.00, 10.000)         DEEM After Image (19.00, 10.00)         DEEM After Image (19.00, 10.00)           SC, DHL, SHL, DON'LL, LUKDON HIN (10.00, 10.000)         DEEM After Image (19.00, 10.00)         DEEM After Image (19.00, 10.00)           SC, OHL, SHL, DON'LL, LUKDON HIN (10.00, 10.000)         DEEM After Image (19.00, 10.00)         DEEM After Image (19.00, 10.00)           SC, OHL, SHL, DON'LL, LUKDON HIN (10.00, 10.000)         DEEM After Image (19.00, 10.00)         DEEM After Image (19.00, 10.00)           SC, OHL, SHL, DON'LL, LUKDON HIN (10.00, 10.000)         DEEM After Image (19.00, 10.00)         DEEM After Image (19.00, 10.00)           SC, OHL, SHL, DON'LL, LUKDON HIN (10.00, 10.000)         DEEM After Image (19.00, 10.00)         DEEM After Image (19.00, 10.00)           SC, OHL, SHL, DON'LL, LUKDON HIN (10.00, 10.000)         DEEM After Image (19.00, 10.00)         DEEM After Image (19.00, 10.00)           SC, OHL, SHL, DON'LL, LUKDON HIN (10.00, 10.00)         DEEM After Image (19.00, 10.00)         DEEM After Image (19.00, 10.00)           SC, OHL, SHL, DON'LL, LUKDON HIN (10.	CS_OFFL_SIR_GOPN_2_20230316T012201_20230316T012732_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
OR_OPTL_OPTL_OPTL_CNOTESTETESTEL_DOTS         OPEC Description and the product opec and the product ope	CS_OFFL_SIR_GOPN_2_20230316T021252_20230316T021733_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Del LPH, SPE, ODPL 2, BLOCKER, DOPL 2, BLOCKER, DUPY COUNT, DOPL         COOL Generating Cashy PLB, The COOL Parge and Buckenthr D, ally PLB, Two Even set for one or more frequency of the control of	CS_OFFL_SIR_GOPN_2_20230316T053114_20230316T053706_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Control Sector Case     Coold Balance Case     more resets       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been set for own or non-resets       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been set for own or non-resets       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been set for own or non-resets       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been set for own or non-reserved.       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been set for own or non-reserved.       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been set for own or new reserved.       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been set for own or new reserved.       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been set for own or new reserved.       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been set for own or new reserved.       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been set for own or new reserved.       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been set for own or new reserved.       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been set for own or new reserved.       Coold Attinuer Paryo Castly FUN     The OCCO Pary and Backastle Castly Flags have been s	CS_OFFL_SIR_GOPN_2_20230316T065151_20230316T065259_C001		, , , , , , , , , , , , , , , , , , ,
COUNT_UN_QUART_COUNT IN UNITED, COUNT IN UNITED, COUNT IN UNITED, COUNT IN COUNT IN UNITED, COUNT IN U	CS_OFFL_SIR_GOPN_2_20230316T065424_20230316T065554_C001		
COLDER LIGHCOMPLOADS IN INVERTIGATION INVERSION INVER	CS_OFFL_SIR_GOPN_2_20230316T070055_20230316T070116_C001		
CSUPPLENEQUAL2_02203161101/132_0220316101/1355_000 DOOD Backscatter Cualty mere records  CSUPPL_SIR_GOPN_2_20220316107162_1002020161071742_0001 DOOD Backscatter Cualty TRA  The OCOD Barge and Backscatter Cualty Flags have been set for one or more records  CSUPPL_SIR_GOPN_2_20220316107162_1002020161071742_0001 DOOD Backscatter Cualty TRA  The OCOD Barge and Backscatter Cualty Flags have been set for one or more records  CSUPPL_SIR_GOPN_2_20220316107162_0020016107162_000 Attinueter Range Cualty FLAM, The OCOD Barge and Backscatter Cualty Flags have been set for one or more records  CSUPPL_SIR_GOPN_2_20220316107162_0020016107162_000 Attinueter Range Cualty FLAM, The OCOD Barge and Backscatter Cualty Flags have been set for one or more records  CSUPPL_SIR_GOPN_2_202203161071622_00001 DOOD Attinueter Range Cualty FLAM, The OCOD Barge and Backscatter Cualty Flags have been set for one or more records  CSUPPL_SIR_GOPN_2_202203161070505_0001 DOOD Attinueter Range Cualty FLAM, The OCOD Barge and Backscatter Cualty Flags have been set for one or more records  CSUPPL_SIR_GOPN_2_2022031610705050_0001 DOOD Attinueter Range Cualty FLAM, The OCOD Barge and Backscatter Cualty Flags have been set for one or more records  CSUPPL_SIR_GOPN_2_202203161060503_0001 DOOD Attinueter Range Cualty FLAM, The OCOD Barge and Backscatter Cualty Flags have been set for one or more records  CSUPPL_SIR_GOPN_2_202203161060503_0001 DOOD Attinueter Range Cualty FLAM, The OCOD Barge and Backscatter Cualty Flags have been set for one or more records  CSUPPL_SIR_GOPN_2_202203161060503_0001 DOOD Attinueter Range Cualty FLAM, The OCOD Barge and Backscatter Cualty Flags have been set for one or more records  CSUPPL_SIR_GOPN_2_202203161060503_0001 DOOD Attinueter Range Cualty FLAM, The OCOD Barge and Backscatter Cualty Flags have been set for one or more records  CSUPPL_SIR_GOPN_2_202203161101604_C001 DOOD Attinueter Range Cualty FLAM, The OCOD Barge and Backscatter Cualty Flags have been set for one or more records  CSUPPL_SIR_GOPN_2_202203161101604_C0	CS_OFFL_SIR_GOPN_2_20230316T070449_20230316T070508_C001		
CSUDEL_SIN_SOPE_2.20230161101/162_002001611032000         DOOD Backcatter Gualty         nore ecods           CSL_DEFL_SIR_GOPE_2.202301611072524_00200161070516_0021         DOOD Advector Regine Qualty PLRAL OPERL SINGLOPER_2.502001611075016_00200161070516_0021         The COOR Regine and Backcatter Gualty Flags have been set for one or nore ecods           CSL_DEFL_SIR_GOPE_2.20230161070516_00200161070516_0021         DOOD Advector Regine Qualty PLRAL Attractor Regine QUALTY_PLRAL Attractor Regine QUALTY_PLRAL Regine QUALTY_PLRAL Regine QUALTY_PLRAL Regine QUALTY_PLRAL Regine QUALTY_PLRAL Regine QUALTY_PLRAL Regine QUALTY_PLRAL Regine QUALTY_PLRAL Regine QUALTY_PLRAL Regin QUALTY_PLRAL Regine QUALTY_PLRAL Regine QUALTY_PLRAL	CS_OFFL_SIR_GOPN_2_20230316T071126_20230316T071535_C001		, , , , , , , , , , , , , , , , , , ,
OCCO Backcatter Quily PLM, Merce recercts  OCCO Backcatter Quily PLM, Merce recercts  Development State Quily PLM, Merce Parage and Backcatter Quily PLM, Merce Parage and Ba	CS_OFFL_SIR_GOPN_2_20230316T071621_20230316T071743_C001		
CS_OFFL_SIR_GOPN_2_202303161075534_202303161075515_0001       Ameta Backscatter Cusity PLEM_ODDS       The Unconstruction and approximate readings, Society, Soci	CS_OFFL_SIR_GOPN_2_20230316T071833_20230316T072325_C001		
OL_PHPL_SIR_DOPN_2_2023031610/05802_90230316110/3802_0001     OCOG Backscatter Quality     mere records       CS_OFFL_SIR_GOPN_2_202303161080239_202303161080333_0001     COCG Alimeter Range Quality PLRM, CCOG Backscatter Quality     The OCOG Range and Backscatter Quality Flags have been set for one or more records       CS_OFFL_SIR_GOPN_2_202303161080384_202303161080582_C0011     COCG Alimeter Range Quality PLRM, CCOG Backscatter Quality     The OCOG Range and Backscatter Quality Flags have been set for one or more records       CS_OFFL_SIR_GOPN_2_202303161080584_202303161085743_C001     COCG Alimeter Range Quality PLRM, CCOG Backscatter Quality     The OCOG Range and Backscatter Quality Flags have been set for one or more records       CS_OFFL_SIR_GOPN_2_20230316108340_20230316108713_C001     COCG Alimeter Range Quality PLRM, CCOCG Backscatter Quality     The OCOG Range and Backscatter Quality Flags have been set for one or more records       CS_OFFL_SIR_GOPN_2_20230316110106_20230316110106_202303161100244_0001     COCGG Alimeter Range Quality PLRM, COCGG Backscatter Quality     The OCOG Range and Backscatter Quality Flags have been set for one or more records       CS_OFFL_SIR_GOPN_2_202203161101206_202303161101346_C001     COCGG Alimeter Range Quality PLRM, CCOGG Backscatter Quality     The OCOG Range and Backscatter Quality Flags have been set for one or more records       CS_OFFL_SIR_GOPN_2_202203161102189_202303161102140_0001     COCGG Alimeter Range Quality PLRM, CCOGG Backscatter Quality     The OCOG Range and Backscatter Quality Flags have been set for one or more records       CS_OFFL_SIR_GOPN_2_202203161102189_202203161102140_0001     COCGG Alimeter Range Quali	CS_OFFL_SIR_GOPN_2_20230316T075334_20230316T075515_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Column 2_outside         Column 2_outside         Column 2_outside         Column 2_outside           CS_OFFL_SIR_COPN_2_2003016T080356_20230316T080520_C001         CCCCG Backscatter Quality PLRM. CCCCG Backscatter Quality PLRM. The OCCGG Bange and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_COPN_2_2003016T080324_20230316T085743_C001         CCCCG Alimeter Range Quality PLRM. CCCCG Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_COPN_2_2003016T080340_20230316T085713_C001         CCCCG Alimeter Range Quality PLRM. CCCCG Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_COPN_2_2003016T10106_20230316T100244_C001         CCCCG Alimeter Range Quality PLRM. CCCCG Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_COPN_2_20020316T10106_20230316T101246_C001         CCCCG Alimeter Range Quality PLRM. CCCCG Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_COPN_2_20020316T101449_20230316T101346_C001         CCCCG Alimeter Range Quality PLRM. CCCCG Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_GOPN_2_20020316T101449_20230316T101501_C001         CCCCG Alimeter Range Quality PLRM. CCCCG Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_GOPN_2_20020316T10149_20230316T101601_C001         CCCCG Alimeter Range Quality PLRM. CCCGG Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_GOPN_2_20020316T114014_20230316T116214_C	CS_OFFL_SIR_GOPN_2_20230316T075623_20230316T075802_C001		
CCCC0_Backscatter Quality       more records         CS_OFFL_SIR_GOPN_2_202303167085324_202303167085743_C001       CCCC0_Backscatter Quality       The OCC0C Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303167085340_202303167085743_C001       CCC0C Atlineter Range Quality PLRM, CCC0C Backscatter Quality       The OCC0C Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303167100106_202303167100244_C001       CCC0C Atlineter Range Quality PLRM, CCC0C Backscatter Quality       The OCC0C Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303167101266_202203167101346_C001       CCC0C Atlineter Range Quality PLRM, CCC0C Backscatter Quality       The OCC0C Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303167101440_202203167101346_C001       CCC0C Atlineter Range Quality PLRM, CCC0C Backscatter Quality       The OCC0C Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303167102409_20230167102140_C001       CCC0C Atlineter Range Quality PLRM, CCC0C Backscatter Quality       The OCC0C Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303167114313_2023031671142140_C001       CCC0C Atlineter Range Quality PLRM, CCC0C Backscatter Quality       The OCC0C Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303167114303_202301671143041_C0011       Attemet Range Quality PLRM, C	CS_OFFL_SIR_GOPN_2_20230316T080239_20230316T080333_C001		
CS_OFFL_SIR_GOPN_2_20230316T083340_20230316T083713_C001         OCOG Backscatter Quality         Imore records           CS_OFFL_SIR_GOPN_2_20230316T083340_20230316T083713_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_20230316T100105_20230316T100244_C001         OCOG Altimeter Range Quality PLRM, CCOG Backscatter Quality         The OCOG Range and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_GOPN_2_20230316T101206_20230316T101346_C001         OCOG Altimeter Range Quality PLRM, CCOG Backscatter Quality         The OCOG Range and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_GOPN_2_20230316T101449_20230316T101501_C001         OCOG Altimeter Range Quality PLRM, COOG Backscatter Quality         The OCOG Range and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_GOPN_2_20230316T102039_20230316T102140_C001         OCOG Altimeter Range Quality PLRM, COCG Backscatter Quality         The OCOG Range and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_GOPN_2_20230316T114313_20230316T114633_C001         OCOG Altimeter Range Quality PLRM, COCG Backscatter Quality         The OCOG Range and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_GOPN_2_20230316T1130033_202230316T1144328_C001         OCOG Altimeter Range Quality PLRM, COCG Backscatter Quality         The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230316T080358_20230316T080520_C001		
CS_OFFL_SIR_GOPN_2_a0230316109340_202303161193240_2001       OCOG Backscatter Quality       more records         CS_OFFL_SIR_GOPN_2_a02303161100105_2023003161100244_0001       OCOG Alimeter Range Quality PLRM, COG Backscatter Quality PLRM, COG Backscatter Quality Flags have been set for one or more records       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_a02303161101206_2023003161101346_0001       OCOG Alimeter Range Quality PLRM, COG Backscatter Quality Flags have been set for one or more records       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_a02303161101206_2023003161101501_0001       OCOG Alimeter Range Quality PLRM, COG Backscatter Quality Flags have been set for one or more records       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_a02303161102039_2023003161102140_0001       OCOG Alimeter Range Quality PLRM, COG Backscatter Quality Flags have been set for one or more records       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_a02303161114313_a02303161114333_0001       OCOG Alimeter Range Quality PLRM, COG Backscatter Quality PLRM, COG Backscatter Quality PLRM, COG Backscatter Quality Flags have been set for one or more records       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_a02303161143033_202303161143034_C001       OCOG Alimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, COG Backscatter Quality	CS_OFFL_SIR_GOPN_2_20230316T085324_20230316T085743_C001		
CS_OFFL_SIR_GOPN_2_202303161100165_202303161100244_C001       OCOG Backscatter Quality       more records         CS_OFFL_SIR_GOPN_2_20230316T101206_20230316T101346_C001       OCOG Alimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_20230316T101449_20230316T101501_C001       OCOG Alimeter 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_20230316T102039_20230316T102140_C001       OCOG Alimeter 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_20230316T114313_20230316T114633_C001       OCOG Alimeter 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_20230316T114313_20230316T114633_C001       OCOG Alimeter Range, SSHA, SWH and Backscatter Quality PLRM       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_20230316T1130033_20230316T1143928_C001       OCOG Alimeter 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_20230316T152109_20230316T15209_20230316T15225_C001       OCOG Alimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality       The OCOG Range and Backscatte	CS_OFFL_SIR_GOPN_2_20230316T093340_20230316T093713_C001		
CS_OFFL_SIR_GOPN_2_20230316T101206_20230316T101501_C001       OCOG Backscatter Quality       more records         CS_OFFL_SIR_GOPN_2_20230316T102039_20230316T102140_C001       OCOG Altimeter Range Quality PLRM, CCOG Backscatter Quality       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_20230316T102039_20230316T102140_C001       OCOG Altimeter Range Quality PLRM, CCOG Backscatter Quality       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_20230316T114313_20230316T114633_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_20230316T114313_20230316T114633_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_20230316T130033_20230316T130141_C001       Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM,       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_20230316T143735_20230316T143928_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_20230316T152109_20230316T152325_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality       The OCOG Range and Backscatter Quality	CS_OFFL_SIR_GOPN_2_20230316T100105_20230316T100244_C001		
CS_OFFL_SIR_GOPN_2_20230316T101449_20230316T101501_0001       OCOG Backscatter Quality       more records         CS_OFFL_SIR_GOPN_2_20230316T102039_20230316T102140_0001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_20230316T114313_20230316T114633_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_20230316T114313_20230316T114633_C001       OcoG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, and Backscatter Quality Flags have been set for one or more records       The OCOG Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been est for one or more records         CS_OFFL_SIR_GOPN_2_20230316T143032_20230316T143928_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM,       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_20230316T152109_20230316T152325_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM,       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_20230316T153700_20230316T154029_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM,       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_	CS_OFFL_SIR_GOPN_2_20230316T101206_20230316T101346_C001		
CS_OFFL_SIR_GOPN_2_202303161102039_202303161102140_0001       OCOG Backscatter Quality       more records         CS_OFFL_SIR_GOPN_2_202303161114313_202303161114633_C001       OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303161130033_202303161130141_C001       Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303161130033_202303161130141_C001       Attimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303161143735_202303161143928_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303161152109_202303161152325_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303161152109_202303161152325_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303161152305_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303161154029_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303161152350_0	CS_OFFL_SIR_GOPN_2_20230316T101449_20230316T101501_C001		
CS_OFFL_SIR_GOPN_2_202303161114313_202303161114333_C001       OCOG Backscatter Quality       more records         CS_OFFL_SIR_GOPN_2_202303161130033_202303161130141_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, DCG 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_202303161143735_202303161143928_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM,       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303161152109_202303161152325_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM,       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303161152109_202303161152325_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter 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_202303161153700_202303161154029_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM,       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_GOPN_2_202303161153700_202303161154029_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or mo	CS_OFFL_SIR_GOPN_2_20230316T102039_20230316T102140_C001		
CS_OFFL_SIR_GOPN_2_20230316T130033_20230316T130141_C001       and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM       Ind OcoG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range 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_20230316T143735_20230316T143928_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_20230316T152109_20230316T152325_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_20230316T153700_20230316T154029_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_20230316T152305_001       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_20230316T153700_20230316T154029_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_20230316T114313_20230316T114633_C001		
CS_OFFL_SIR_GOPN_2_20230316T143735_20230316T143926_C001       OCOG Backscatter Quality       more records         CS_OFFL_SIR_GOPN_2_20230316T152109_20230316T152325_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_20230316T153700_20230316T154029_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_20230316T154029_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_20230316T162650_20230316T163156_C001       OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230316T130033_20230316T130141_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20230316T152109_20230316T15255_C001       OCOG Backscatter Quality       more records         CS_OFFL_SIR_GOPN_2_20230316T153700_20230316T154029_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_20230316T152700_20230316T154029_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20230316T143735_20230316T143928_C001		
CS_OFFL_SIR_GOPN_2_20230316T162850_20230316T163156_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_GOPN_2_20230316T152109_20230316T152325_C001		
	CS_OFFL_SIR_GOPN_2_20230316T153700_20230316T154029_C001		
	CS_OFFL_SIR_GOPN_2_20230316T162850_20230316T163156_C001		

	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
CS_OFFL_SIR_GOPN_2_20230316T164448_20230316T164610_C001	OCOG Backscatter Quality	more records
CS_OFFL_SIR_GOPN_2_20230316T165321_20230316T165443_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_20230316T165655_20230316T170206_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_20230316T171823_20230316T172129_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_20230316T175556_20230316T175810_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_20230316T183648_20230316T184030_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_20230316T185624_20230316T185857_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_20230316T185906_20230316T190036_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_20230316T201209_20230316T201723_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_20230316T202644_20230316T202810_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_20230316T210610_20230316T210734_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_20230316T220719_20230316T220734_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_20230316T221531_20230316T221729_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_20230316T225231_20230316T225536_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_20230316T002554_20230316T003248_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_20230316T003248_20230316T003713_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_20230316T015809_20230316T020301_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_20230316T020724_20230316T021141_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_20230316T023553_20230316T023717_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_20230316T032331_20230316T032532_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_20230316T034519_20230316T034847_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_20230316T034847_20230316T035156_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_20230316T035548_20230316T040012_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_20230316T050341_20230316T051054_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_20230316T052449_20230316T053114_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_20230316T053706_20230316T053931_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_20230316T070225_20230316T070448_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_20230316T070508_20230316T070604_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_20230316T070637_20230316T071126_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_20230316T075222_20230316T075333_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_20230316T084030_20230316T084245_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_20230316T084323_20230316T085324_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_20230316T102330_20230316T103220_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_20230316T115126_20230316T115148_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_20230316T115649_20230316T120339_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_20230316T120500_20230316T121242_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_20230316T125618_20230316T125623_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_20230316T133133_20230316T133150_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_20230316T134411_20230316T135123_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_20230316T135352_20230316T135821_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_20230316T143928_20230316T144601_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_20230316T145855_20230316T150108_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_20230316T151648_20230316T152108_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_20230316T152326_20230316T153018_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_20230316T164138_20230316T164236_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_20230316T165443_20230316T165654_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_20230316T170207_20230316T170814_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_20230316T170822_20230316T170923_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_20230316T184030_20230316T184949_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_20230316T201723_20230316T202501_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_20230316T202811_20230316T202949_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_20230316T210601_20230316T210609_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_20230316T215655_20230316T220321_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_20230316T220321_20230316T220616_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_20230316T221018_20230316T221056_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_20230316T223340_20230316T223629_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_20230316T225537_20230316T225749_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_20230316T233345_20230316T233443_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_20230316T233519_20230316T234221_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_20230316T234221_20230316T234402_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, v	which are summarised below.	
> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set for	products over sea ice, which is to be expected	ed.
Number of products with errors: 185		

#### 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.

56

136

#### Number of products with errors:

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

### 6.1 P2P Product Format Check

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

### 6.2 P2P Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

#### 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 Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.

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

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

30

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20230315T234205_20230316T003142_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T003142_20230316T012120_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T012120_20230316T021056_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T021056_20230316T030035_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_20230316T030035_20230316T035011_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T035011_20230316T043949_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T043949_20230316T052926_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T052926_20230316T061904_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T061904_20230316T070840_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T070840_20230316T075819_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_20230316T075819_20230316T084755_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T084755_20230316T093734_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_20230316T093734_20230316T102710_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T102710_20230316T111648_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T111648_20230316T120624_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T120624_20230316T125603_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220230316T125603_20230316T134539_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T134539_20230316T143518_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220230316T143518_20230316T152454_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_20230316T152454_20230316T161432_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T161432_20230316T170408_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T170408_20230316T175347_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_220230316T175347_20230316T184323_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_20230316T184323_20230316T193302_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T193302_20230316T202238_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T202238_20230316T211217_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T211217_20230316T220153_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T220153_20230316T225131_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T225131_20230316T234107_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20230316T234107_20230317T003046_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
6 5 P2P Maggurgmont Confidence Data Chook		

## 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\_20230316T111648\_20230316T120624\_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

CryoSat P2P data includes Quality Flags for ea	ch 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.
Since the P2P Quality Flags are copied dire	ctly 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 dire	ctly 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 PLI	3M)
Since the P2P Quality Flags are copied dire	ctly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.
Number of products with errors:	30
6.8 P2P Ocean Retracking Qual	ity Check
P2P Retracking Flags (20 Hz)	
Cryosat P2P data includes an ocean retracking	quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.
Ocean Retracking Quality Flag (PLRM): This	flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.
Number of products with errors:	28
P2P Retracking Flags PLRM	
CryoSat L2 data includes an ocean retracking of	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.

# 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	186	186	2	184	0
SIR_GOPR1B	117	117	0	117	0
SIR_GOPN1B	102	102	1	101	0
SIR_GOPM_2	186	186	136	50	0
SIR_GOPR_2	117	117	43	73	1
SIR_GOPN_2	102	102	42	60	0
SIR_GOP_P2P	29	29	0	28	1

## 7.1 QCC Errors

## Number of QCC reports with errors:

Number of QCC	reports with er	rors:	2								
					Total number	of occurrences	s of each error				
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOPR_2	1	1	1	1							
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOP_2_	1	1	1	1							

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

# 7.2 QCC Warnings

# Number of QCC reports with warnings

2069

			Total numb	er of occurrences of ea	ch warning		
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_GOPM1B	184	0	0	0	0	0	0
SIR_GOPM_2	0	0	36	40	0	40	0
SIR_GOPN1B	98	0	0	0	0	0	0
SIR_GOPN_2	0	0	10	32	5	27	31
SIR_GOPR1B	114	0	0	0	0	0	0
SIR_GOPR_2	0	1	26	35	1	31	23
,							
Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	35	27	0	0	0	0	24
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	14	0	0	14	0	35	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	13	0	37	0	43	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	5	25	0	5	33
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	22	14	44	51	26	29
SIR GOPR1B	0	0	0	0	0	0	0
Sin_aorinib	0	0	0	0	0		-
SIR_GOPR_2	0 36	0	3	62	26	12	28
SIR_GOPR_2	36	-	1-	ł	26	12	-
SIR_GOPR_2 Product Type	36 RSWHOEPFDPLRMNCDF	-	1-	ł		12 SCSTODNCDF	-
SIR_GOPR_2 Product Type SIR_GOPM1B	36 RSWHOEPFDPLRMNCDF 0	-	1-	ł	26	12	-
SIR_GOPR_2 Product Type SIR_GOPM1B SIR_GOPM_2	36 RSWHOEPFDPLRMNCDF 0 0 0	-	1-	SOOHHIFHD 0 0	26 SCSTODHRNCDF 0 0	12 SCSTODNCDF	-
SIR_GOPR_2 Product Type SIR_GOPM1B SIR_GOPM_2 SIR_GOPN1B	36 RSWHOEPFDPLRMNCDF 0 0 0 0	-	1-	SOOHHIFHD 0 0	26 SCSTODHRNCDF 0	12 SCSTODNCDF 0 0 2	-
SIR_GOPR_2 Product Type SIR_GOPM1B SIR_GOPM_2 SIR_GOPN1B SIR_GOPN_2	36 RSWHOEPFDPLRMNCDF 0 0 0	-	1-	<b>SOOHHIFHD</b> 0 0 0 1	26 SCSTODHRNCDF 0 0 46 0	12 SCSTODNCDF 0 0 2 0 0	-
SIR_GOPR_2 Product Type SIR_GOPM1B SIR_GOPM_2 SIR_GOPN1B	36 RSWHOEPFDPLRMNCDF 0 0 0 0	RSWHOEPNCDF 0 3 0	1-	<b>SOOHHIFHD</b> 0 0 0 1	26 SCSTODHRNCDF 0 0 46	12 SCSTODNCDF 0 0 2	-

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR_GOP_2_	15	28	28	5	29	18	28
Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOP_2_	17	28	18	15	29	19	25
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Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-	-

Test Description Key:		
Abbreviation	Test name	Details
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

## 7.3 Missing QCC Reports

Number of products with missing QCC reports:

1

L1B and L2 Product name n/a

P2P Product name CS\_OFFL\_SIR\_GOP\_2\_20230316T234107\_20230317T003046\_C002