

QA4EO Daily Report for GOP data:

<u>09/05/2022</u>

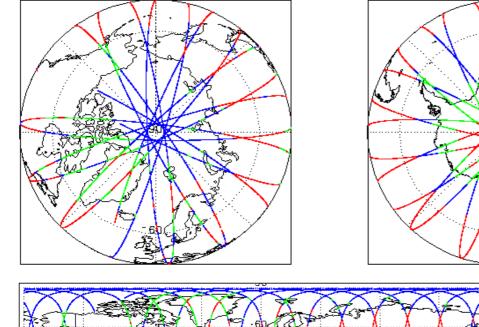
IDEAS-QA4E0

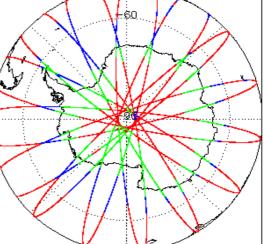
an art Draduation.	12 Jun 2000	Check	L1 & L2	P2P
Report Production:	13-Jun-2022	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:		Product Software Check	Nominal	Nominal
	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal
		Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
		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, 7.2 and 7.3	See Section 7.1, 7.2 and 7.3

1. Overview

Mission / In	Mission / Instrument News		
08-May-20	22 None		
09-May-20	22 None		
10-May-20	22 Nothing planned		









3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

0

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

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

135

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).

50

60

Number of products with errors:

4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.				
L1B Processing Quality HR: The l1b_proc_flag_hr flag is currently set all L1B G	OPR and GOPN products because the I1b_	processing_quality_hr field is not correctly configured in the OSAR and		
OSARIn chains. A modification is required in the next release.				
Number of products with errors: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-de	termined baseline and also to check the va	lidity 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 hit value of this flag indicates any proble	ams when set		
Number of products with errors: 0	The bit value of this hay indicates any proble	ins when set.		
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurement	record. The bit value of this flag indicates	any problems when set.		
Attitude Correction Missing: This flag is currently set in error for GOPR products	s due to a configuration issue. This is being	investigated and will be updated in the next SW update.		
Number of products with errors: 0				
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record. The	ne bit value of this flag indicates any problem	ms when set.		
Loss of Echo Flag: This flag is currently set for some products over land, but this	is to be expected.			
Number of products with errors: 15				
Product	Test Failed	Description		
CS_OFFL_SIR_GOPM1B_20220509T011511_20220509T011602_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPM1B_20220509T012857_20220509T020242_C001 CS_OFFL_SIR_GOPM1B_20220509T063314_20220509T064256_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPM1B_20220509T113235_20220509T115832_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20220509T053106_20220509T053252_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20220509T060957_20220509T061414_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20220509T074959_20220509T075355_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20220509T084833_20220509T085205_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20220509T134541_20220509T134855_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20220509T183427_20220509T183604_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20220509T211258_20220509T211804_C001 CS_OFFL_SIR_GOPR1B_20220509T044635_20220509T044829_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_202205091044053_202205091044029_0001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20220509T134855_20220509T135204_C001	Loss of Echo	The tracking echo is missing for one or more records		
5. GOP	Level 2 Data Quality Ch	BCK		
5.1 L2 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				
5.2 L2 Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SF	PH in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.		
Number of products with errors: 0				
5.3 L2 Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.				
Number of products with errors: 0				
5.4 L2 Auxiliary Correction Error Check				
For all products, the auxiliary corrections within the Geophysical Group are 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.				
Number of products with errors: 59				
Product Test Failed Description				
CS_OFFL_SIR_GOPM_2_20220509T130838_20220509T130946_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for one or more records				
CS_OFFL_SIR_GOPM_2_20220509T194346_20220509T195603_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_20220509T002630_20220509T003020_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T010744_20220509T010813_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_20220509T011431_20220509T011511_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_20220509T012730_20220509T012857_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_20220509T020611_20220509T020926_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T021439_20220509T021557_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_20220509T035346_20220509T035459_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T043257_20220509T043531_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20220509T060957_20220509T061414_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_GOPN_2_20220509T061521_20220509T061628_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T070923_20220509T071155_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T074959_20220509T075355_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_20220509T075355_20220509T075527_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_20220509T084833_20220509T085205_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T092958_20220509T093349_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_20220509T102943_20220509T103125_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_20220509T133852_20220509T134014_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_20220509T134541_20220509T134855_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_20220509T151824_20220509T151938_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_20220509T152440_20220509T152759_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T165915_20220509T170152_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T170345_20220509T171011_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T175429_20220509T175549_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_20220509T183655_20220509T184048_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T193344_20220509T193449_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T201647_20220509T201843_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_20220509T202702_20220509T202850_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_20220509T211258_20220509T211804_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_20220509T215621_20220509T215739_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_20220509T233748_20220509T233947_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_GOPR_2_20220509T010639_20220509T010744_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220509T011746_20220509T012533_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T025736_20220509T030836_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T043719_20220509T043839_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T043839_20220509T044459_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T061628_20220509T062150_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_20220509T071155_20220509T071415_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220509T074516_20220509T074604_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_GOPR_2_20220509T075527_20220509T080226_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T081713_20220509T082257_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220509T093350_20220509T093856_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T111058_20220509T111925_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T125002_20220509T125736_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T130652_20220509T130838_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220509T142511_20220509T143530_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T143530_20220509T143654_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T160744_20220509T161430_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T161430_20220509T161852_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T174740_20220509T175317_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T175317_20220509T175428_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is 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_20220509T190511_20220509T190656_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220509T192717_20220509T192806_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220509T192811_20220509T192852_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (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:
0

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

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

90

Number of	products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220508T235207_20220509T002348_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_20220509T003020_20220509T003607_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_20220509T003747_20220509T004350_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_20220509T004745_20220509T005433_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_20220509T012857_20220509T020242_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 20220509T020926 20220509T021439 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_20220509T021736_20220509T021927_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_20220509T022010_20220509T023545_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_20220509T025155_20220509T025247_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_20220509T025410_20220509T025449_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_20220509T030836_20220509T031733_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_20220509T032018_20220509T033613_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_20220509T033619_20220509T034143_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_20220509T034746_20220509T034927_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_20220509T034934_20220509T035346_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_20220509T035718_20220509T041756_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_20220509T041833_20220509T042310_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_20220509T044906_20220509T050345_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_20220509T050427_20220509T052105_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_20220509T052303_20220509T052827_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_20220509T053933_20220509T055200_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_20220509T055304_20220509T060957_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_20220509T063314_20220509T064256_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_20220509T064500_20220509T065957_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_20220509T070230_20220509T070725_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_20220509T071616_20220509T072711_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_20220509T073327_20220509T074516_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_20220509T082421_20220509T083908_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_20220509T084202_20220509T084640_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_20220509T085337_20220509T091959_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_20220509T095336_20220509T101406_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_20220509T101458_20220509T101814_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_20220509T102212_20220509T102555_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_20220509T102602_20220509T102611_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_20220509T102617_20220509T102943_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_20220509T103251_20220509T110002_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_20220509T113235_20220509T115832_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_20220509T120016_20220509T120510_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_20220509T120517_20220509T120846_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_20220509T121233_20220509T124646_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_20220509T125951_20220509T130102_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_20220509T133201_20220509T133323_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_20220509T133523_20220509T133714_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_20220509T134014_20220509T134541_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_20220509T135205_20220509T141418_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_20220509T141628_20220509T142511_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_20220509T143828_20220509T144058_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_20220509T144901_20220509T144948_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_20220509T145743_20220509T151608_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_20220509T151938_20220509T152439_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_20220509T153054_20220509T160352_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_20220509T162920_20220509T165216_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_20220509T170152_20220509T170345_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_20220509T171057_20220509T172620_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_20220509T172632_20220509T172806_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_20220509T173247_20220509T174139_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_20220509T180018_20220509T181648_C001	Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_GOPM_2_20220509T181902_20220509T183338_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_20220509T184346_20220509T184800_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_20220509T184959_20220509T190210_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_20220509T190233_20220509T190511_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_20220509T190712_20220509T191632_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_20220509T194346_20220509T195603_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_20220509T200132_20220509T201510_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_20220509T201843_20220509T202702_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_20220509T202935_20220509T204601_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_20220509T204831_20220509T205042_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_20220509T205952_20220509T210022_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_20220509T210025_20220509T210555_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_20220509T212759_20220509T213155_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_20220509T213158_20220509T215425_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_20220509T215740_20220509T215940_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_20220509T220023_20220509T220528_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_20220509T220907_20220509T223344_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_20220509T230557_20220509T233314_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_20220509T233947_20220509T234549_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_20220509T234736_20220510T001612_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_20220509T011702_20220509T011746_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_20220509T033613_20220509T033619_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_20220509T070047_20220509T070230_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_20220509T133852_20220509T134014_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

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

94

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20220509T005434_20220509T005628_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_20220509T010124_20220509T010230_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_20220509T012534_20220509T012647_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_20220509T034329_20220509T034746_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_20220509T035346_20220509T035459_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_20220509T043257_20220509T043531_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_20220509T052138_20220509T052302_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_20220509T053106_20220509T053252_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_20220509T060957_20220509T061414_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_20220509T062939_20220509T063138_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_20220509T070047_20220509T070230_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_20220509T070923_20220509T071155_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_20220509T072847_20220509T073327_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_20220509T084833_20220509T085205_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_20220509T092958_20220509T093349_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_20220509T093856_20220509T093934_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_20220509T115852_20220509T120016_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_20220509T124703_20220509T124803_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_20220509T134541_20220509T134855_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_20220509T143655_20220509T143803_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_20220509T144058_20220509T144301_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_20220509T145454_20220509T145743_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_20220509T152440_20220509T152759_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_20220509T165915_20220509T170152_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_20220509T175429_20220509T175549_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_20220509T183655_20220509T184048_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_20220509T184800_20220509T184935_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_20220509T191633_20220509T191815_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_20220509T193812_20220509T194018_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_20220509T195603_20220509T200114_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_20220509T201647_20220509T201843_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_20220509T205345_20220509T205732_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_20220509T211258_20220509T211804_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_20220509T215621_20220509T215739_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_20220509T220528_20220509T220807_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_20220509T224608_20220509T224640_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_20220509T224753_20220509T224813_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_20220509T233544_20220509T233705_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_20220509T234549_20220509T234720_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_20220509T004350_20220509T004744_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_20220509T010639_20220509T010744_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_20220509T011131_20220509T011209_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_20220509T011602_20220509T011702_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_20220509T011746_20220509T012533_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_20220509T020242_20220509T020611_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_20220509T021557_20220509T021736_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_20220509T024806_20220509T024820_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_20220509T025736_20220509T030836_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_20220509T034144_20220509T034329_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_20220509T043719_20220509T043839_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_20220509T044635_20220509T044829_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

0,001_00_001_002_0228000110102_0228000110110_0228000110110_0001100100 Decks Altitude Tagge, 1549, 8000 Post The Case Altitude Tagge, 1549, 8000 Post The Case Altitude Tagge, 1549, 8000 Post 00,011_001_0010_0228000110110_0228000110110_0228000110110_0228000110110_0228000110110_02280000110110_0228000110110_0228000110110_0228000110110_0228000110110_02280000110110_02280000000000	CS_OFFL_SIR_GOPR_2_20220509T053252_20220509T053933_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
OB_ORT_UR_QOUND_2X000000000000000000000000000000000000	CS_OFFL_SIR_GOPR_2_20220509T061628_20220509T062150_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Column Dec, USA Dec, Data Status Dec, Data Status Dec, Dec, Dec, Dec, Dec, Dec, Dec, Dec,	CS_OFFL_SIR_GOPR_2_20220509T071155_20220509T071415_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Cold Charlens Confer 2 account (1991) 2 decision (1991) 2 decision (1991) 2 decision (1991) 2 more records The Order Anther Roy, CSA, WH and Basessiter (2091) 7 more records Cold Charlens Forger, Cally FULL Does Anther Roy, CSA, WH and Basessiter (2091) 7 more records Cold Charlens Forger, Cally FULL Does Anther Roy, CSA, WH and Basessiter (2091) 7 more records Cold Charlens Forger, Cally FULL DOCO Anther Forger, Cally FULL Cold Charlens Forger, Cally FULL DOCO Anther Forger, Cally FULL Cold Charlens Forger, Cally FULL DOCO Anther Forger, Cally FULL Cold Charlens Forger, Cally FULL DOCO Anther Forger, Cally FULL Cold Charlens Forger, Cally FULL DOCO Anther Forger, Cally FULL Cold Charlens Forger, Cally FULL DOCO Anther Forger, Cally FULL Cold Charlens Forger, Cally FULL DOCO Anther Forger, Cally FULL Cold Charlens Forger, Cally FULL DOCO Anther Forger, Cally FULL Cold Charlens Forger, Cally FULL DOCO Anther Forger, Cally FULL Cold Charlens Forger, Cally FULL DOCO Anther Forger, Cally FULL Cold Charlens Forger, Cally FULL DOCO Anther Forger, Cally FULL Cold Charlens Forger, Cally FULL DOCO Anther Forger, Cally FULL Cold Charlens Forger, Cally FULL Doce Anther Forger, SSR, WH and Basessiter Cal	CS_OFFL_SIR_GOPR_2_20220509T074516_20220509T074604_C001		
CS OFL SR COPR 2 8222000710827 22220007188281 C011 and Besselet Cuiry FLM COCC CS OFL SR COPR 2 82220007108170 22220007188287 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 82220007108170 22220007188287 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 82220007108170 22220007188287 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 82220007108170 22220007188287 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 82220007108170 2222007198288 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 82220007108199 2222007198218 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 82220007108199 2222007198218 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 82220007108199 2222007198218 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 82220007108199 2222007198218 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 82220007108199 2222007198218 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 82220007108199 2222007198218 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 82220007108199 2222007198218 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 8222000710819 2222007198218 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 8222000710819 2222007118281 C011 COCC Ameter Regin Cuiry FLM Cocc CS OFL SR COPR 2 822200	CS_OFFL_SIR_GOPR_2_20220509T074913_20220509T074959_C001	OCOG Backscatter Quality	
CSC DFL, SHL GUPL, 21/0024607101162 COOG Restseller Gualy mare words CSL DFL, SHL GUPL, 21/0024607101162 COOG Restseller Gualy The COOC Restseller Qualy FLML CSL DFL, SHL GUPL, 21/0024607101162 COOG Restseller Gualy The COOC Restseller Qualy FLML CSL DFL, SHL GUPL, 21/0024607101162 COOG Restseller Gualy The COOC Restseller Qualy FLML CSL DFL, SHL GUPL, 21/0024607102162 COOG Restseller Gualy The COOC Restseller Qualy FLML CSL DFL, SHL GUPL, 21/0024607102162 COOG Restseller Gualy The COOC Restseller Qualy FLML CSL DFL, SHL GUPL, 21/0024607102162 COOG Restseller Gualy The COOC Restseller Qualy CSL DFL, SHL GUPL, 21/0024607103162 COOG Restseller Gualy The COOC Restseller Qualy CSL DFL, SHL GUPL, 21/0024607103162 COOR Restseller Qualy The COOR Restseller Qualy CSL DFL, SHL GUPL, 21/0024607103162 COOR Restseller Qualy The COOR Restseller Qualy CSL DFL, SHL GUPL, 21/0024607103162 COOR Restseller Qualy The COOR Restseller Qualy CSL DFL, SHL GUPL, 21/0024607103162 COOR Restseller Qualy The COOR Restseller Qualy CSL DFL, SHL GUPL, 21/0024607103162 COOR Restseller Qualy The COOR Restseller Qualy CSL DFL, SH	CS_OFFL_SIR_GOPR_2_20220509T075527_20220509T080226_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CSUPPLENEQUPPLEX2020097108307_00220_0000108207_0001 DOOD Backscatter Guilty ever records CCS_OPPL_SIR_GOPPL2_20220097109159_002205007109135_0001 DOOD Backscatter Guilty PLPM, CCS_OPPL_SIR_GOPPL2_20220097109159_002205007109135_0001 DOOD Backscatter Guilty PLPM, CCS_OPPL_SIR_GOPPL2_20220097109159_002205007109135_0001 DOOD Backscatter Guilty PLPM, CCS_OPPL_SIR_GOPPL2_20220097109359_002205007109159_0001 CCS_OPPL_SIR_GOPPL2_20220097109359_002205007109159_0001 CCS_OPPL_SIR_GOPPL2_20220097109359_002205007109159_0001 CCS_OPPL_SIR_GOPPL2_20220097109359_002205007109159_0001 CCS_OPPL_SIR_GOPPL2_202200971109359_002205007109159_0001 CCS_OPPL_SIR_GOPPL2_202200971109359_002000 CCS_OPPL_SIR_GOPPL2_202200971109359_002000 CCS_OPPL_SIR_GOPPL2_202200971109359_002000 CCS_OPPL_SIR_GOPPL2_202200971109359_002000 CCS_OPPL_SIR_GOPPL2_202200971109359_002000 CCS_OPPL_SIR_GOPPL2_202200971109359_00200 CCS_OPPL_SIR_GOPPL2_202200971109359_00200 CCS_OPPL_SIR_GOPPL2_202200971109359_00200 CCS_OPPL_SIR_GOPPL2_202200971109359_00200 CCS_OPPL_SIR_GOPPL2_20220097111155 CCS_OPPL_SIR_GOPPL2_20220097111155 CCS_OPPL_SIR_GOPPL2_20220097111155 CCS_OPPL_SIR_GOPPL2_20220097111155 CCS_OPPL_SIR_GOPPL2_20220097111155 CCS_OPPL_SIR_GOPPL2_20220097111155 CCS_OPPL_SIR_GOPPL2_20220097111155 CCS_OPPL_SIR_GOPPL2_20220097111155 CCCCS_OPPL_SIR_GOPPL2_20220097111155 CCCCS_OPPL_SIR_GOPPL2_20220097111155 CCCCS_OPPL_SIR_GOPPL2_20220097111155 CCCCS_OPPL_SIR_GOPPL2_20220097111155 CCCCS_OPPL_SIR_GOPPL2_20220097111155 CCCCS_OPPL_SIR_GOPPL2_202200971125715	CS_OFFL_SIR_GOPR_2_20220509T081713_20220509T082257_C001		
CS. OFFL. SIN COPH. 2 (2020)/01103192 (2020)/01103192 (2020) COCG Backaster Gaily The CoCG Ramp and Backaster Gaily Flags have been set for one or The CoCG Administry Flags, SSN, SVN The CoCG Administry Flags,	CS_OFFL_SIR_GOPR_2_20220509T082307_20220509T082421_C001		
OPE OPE <td>CS_OFFL_SIR_GOPR_2_20220509T091959_20220509T092135_C001</td> <td></td> <td>, , , , , , , , , , , , , , , , , , ,</td>	CS_OFFL_SIR_GOPR_2_20220509T091959_20220509T092135_C001		, , , , , , , , , , , , , , , , , , ,
CS_OFFL_SIR_GOPR_2_202205007103030_202205007103036_0001 and flaskscatter Cuality PLRM_COCO and flaskscatter Cuality PLRM_COCO CS_OFFL_SIR_GOPR_2_202205007103034_202205007103136_C001 Decem Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter Range, SSH, SWH and Backscatter Cuality Flags have been and the COCO Altimeter	CS_OFFL_SIR_GOPR_2_20220509T092149_20220509T092216_C001		
C6_OFFL_SIR_GOPR_2_20220609T109126_20220509T109251_C001 Intel median and the second could prove the second could p	CS_OFFL_SIR_GOPR_2_20220509T093350_20220509T093856_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220509T103156_20220509T103251_C001 and Backscatter Quality FLIM, COCG Internet Parage, SSHA, SWT and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T11056_20220509T110220_C001 COCGA Altimeter Range, SSHA, SWT and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T11056_20220509T112220_C001 COCGA Altimeter Range, SSHA, SWT and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T112500_20220509T112220_C001 COCGA Altimeter Range, SSHA, SWT and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T12500_20220509T125798_C001 Altimeter Range, SSHA, SWT and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T12500_20220509T125798_C001 Altimeter Range, SSHA, SWT and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T130102_20220509T125798_C001 Altimeter Range, SSHA, SWT and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T130102_20220509T130103_C001 COCGA Altimeter Range, Cuality Flags The COCGA Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T130102_20220509T13088_C001 COCGA Altimeter Range Quality PLIM, COCGA Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T142512_20220509T143520_C001 COCGA Altimeter Ran	CS_OFFL_SIR_GOPR_2_20220509T093934_20220509T094136_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220509T111058_20220509T111925_C001 and Backscatter Quality PLRM, COCO Allimeter Pange and Backscatter Quality PLPM into consort records CS_OFFL_SIR_GOPR_2_20220509T111948_20220509T112520_C001 COCG Alimeter Pange and Backscatter Quality PLPM The OCOG Rance and Backscatter Quality PLRM, COCG Backscatter Quality The OCOG Rance and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T125706_C001 Cocma Alimeter Pange and Backscatter Quality Plags and brown or records The OCOG Rance and Backscatter Quality Plags and brown or records CS_OFFL_SIR_GOPR_2_20220509T125743_20220509T125756_C001 Cocma Alimeter Pange and Backscatter Quality Plags and brown or records The OCOG Rance and Backscatter Quality Plags and the OCOG Alimeter Pange and Backscatter Quality Plags and the OCOG Alimeter Pange ASHA, SWH and Backscatter Quality Plags and the OCOG Alimeter Pange ASHA, SWH and Backscatter Quality Plags and the OCOG Alimeter Pange Quality PLRM, COCG Backscatter Quality The OCOG Rance and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T132012_20220509T132012_20220509T132031_C001 OCOG Alimeter Pange 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_20220509T132012_20220509T132024_C001 OCOG Alimeter Pange ASHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PL	CS_OFFL_SIR_GOPR_2_20220509T103126_20220509T103251_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_202205091125736_C001 OCCG Backscatter Quality more records CS_OFFL_SIR_GOPR_2_202205091125736_C001 Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202205091125736_C001 Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202205091125743_202205091125736_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202205091130102_202205091130132_C001 OCCG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202205091130102_202205091130013_C001 OCCG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202205091130652_202205091130638_C001 OCCG Altimeter Range Quality PLRM, COCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202205091132602_20205091132504_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202205091132504_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202205091143550_C001 OCcean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPR_2_20220509T111058_20220509T111925_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220509T12502_20220509T125736_C001 and Backscatter Quality PLEM. COURT Ind Orean Allmeter Range on Backscatter Quality PLEM course Range on Backscatter Quality FLEM course Range on Backscatter Quality FLEM. COURT CS_OFFL_SIR_GOPR_2_20220509T125743_20220509T125951_C001 Allmeter Range. SSHA, SWH and Backscatter Quality PLEM. COURT CS_OFFL_SIR_GOPR_2_20220509T125743_20220509T125951_C001 Course Range. SSHA, SWH and Backscatter Quality FLEM. COURT CS_OFFL_SIR_GOPR_2_20220509T130102_20220509T130313_C001 OCOG Allmeter Range Quality PLEM. COURT CS_OFFL_SIR_GOPR_2_20220509T130652_20220509T130313_C001 OCOG Allmeter Range Quality PLEM. COURT CS_OFFL_SIR_GOPR_2_20220509T130652_20220509T130838_C001 OCOG Allmeter Range Quality PLEM. COOR Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T132912_20220509T13200_C001 OCOG Allmeter Range Quality PLEM. COOR Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T132504_C001 OCOG Allmeter Range ASHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T143530_C001 OCOG Allmeter Range ASHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T143530_C001 OCOG Allmeter Range ASHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T143530_C001 OCOG Allmeter Range ASHA, SWH and Backscatter	CS_OFFL_SIR_GOPR_2_20220509T111948_20220509T112220_C001		
CS_OFFL_SIR_GOPR_2_20220509T125743_20220509T125204_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T125204_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T125204_C001 OCOG Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T142511_20220509T143530_C001 OCOG Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T143502_2020509T143530_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_2	CS_OFFL_SIR_GOPR_2_20220509T125002_20220509T125736_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220509T130652_20220509T130638_C001 OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, CS_OFFL_SIR_GOPR_2_20220509T132912_20220509T13200_C001 The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T132912_20220509T132912_20220509T13200_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T142511_20220509T143530_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T142511_20220509T143530_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T143530_20220509T143654_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T143804_20220509T143828_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and	CS_OFFL_SIR_GOPR_2_20220509T125743_20220509T125951_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220509T132912_20220509T133200_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPR_2_20220509T132912_20220509T133200_C001 OCOG Altimeter Range Quality PLRM, OCOG 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_GOPR_2_20220509T134855_20220509T135204_C001 Decan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCog Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T142511_20220509T143530_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T143530_2020509T143554_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T143804_20220509T143828_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T143804_20220509T143828_C001 Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T143804_20220509T143828_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or m	CS_OFFL_SIR_GOPR_2_20220509T130102_20220509T130313_C001		
CS_OFFL_SIR_GOPR_2_20220509T132201_2020509T133200_0001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPR_2_20220509T134855_20220509T135204_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T144302_20220509T144450_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, O	CS_OFFL_SIR_GOPR_2_20220509T130652_20220509T130838_C001		
CS_OFFL_SIR_GOPR_2_20220509T134855_20220509T135204_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T144302_20220509T144450_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 <td>CS_OFFL_SIR_GOPR_2_20220509T132912_20220509T133200_C001</td> <td></td> <td></td>	CS_OFFL_SIR_GOPR_2_20220509T132912_20220509T133200_C001		
CS_OFFL_SIR_GOPR_2_20220509T142511_20220509T143530_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T143804_20220509T143828_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been pLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T143804_20220509T144302_20220509T144450_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T144302_20220509T144450_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_20220509T134855_20220509T135204_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220509T143530_20220509T143654_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM In the OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags to one or more records CS_OFFL_SIR_GOPR_2_20220509T143804_20220509T143828_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20220509T144302_20220509T144450_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_20220509T144302_20220509T144450_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_20220509T142511_20220509T143530_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220509T143804_20220509T143828_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM In the Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality et no no or more records CS_OFFL_SIR_GOPR_2_20220509T144302_20220509T144450_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_20220509T144302_20220509T144450_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_20220509T143530_20220509T143654_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_202205091144302_202205091144450_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_GOPR_2_20220509T143804_20220509T143828_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPR_2_20220509T144302_20220509T144450_C001		
	CS_OFFL_SIR_GOPR_2_20220509T160533_20220509T160621_C001		

CS_OFFL_SIR_GOPR_2_20220509T160744_20220509T161430_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_20220509T161430_20220509T161852_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_20220509T165217_20220509T165915_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_20220509T171011_20220509T171057_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_20220509T174252_20220509T174400_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_20220509T174740_20220509T175317_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_20220509T190511_20220509T190656_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_20220509T192811_20220509T192852_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_20220509T193058_20220509T193344_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_20220509T193623_20220509T193812_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, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the Level 2 products, where the several common flags raised in the several common flags raised in the Level 2 products, where the several common flags raised in the several c	nich 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.

197

57

152

Number of products with errors:

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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

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

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

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

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

29

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20220508T234125_20220509T003105_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CS_DFTL_SPL_COP_2_20225507112109_2022550711100_20211 The solution of the State S	CS_OFFL_SIR_GOP_2_20220509T003105_20220509T012040_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
Des UPL SH CUP 2 Audebon Libre 2 Audebon Libre 3 Tooggaphy (1) Tooggaphy (1) CS OFTL SH CUP 2 202255071031544 2022550711031544 2022550711031544	CS_OFFL_SIR_GOP_2_20220509T012040_20220509T021019_C001	Topography (1), Total Geocentric Ocean	
 M.D.F.L., SHL, ODF 2_20203001103583, ALX20001103585, L0001 Mare, Ste Suffact (1), Mane Dynamic Tappagety (1), To Construct Mane Bynamic Tappagety (1), Man	CS_OFFL_SIR_GOP_2_20220509T021019_20220509T025955_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS OFFL SIR COP 2: 20220091103193 (2022091103190 CO1 Togggryhy (1), Togal Coccentro Coam The Cocin Tole Toggryhy (1), Togal Coccentro Coam The Cocin Tole Toggryhy (1), Toggryhy (CS_OFFL_SIR_GOP_2_20220509T025955_20220509T034934_C001	Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Str PFL SH: OP 2: Accessed Inself to Accessed I	CS_OFFL_SIR_GOP_2_20220509T034934_20220509T043910_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	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_OFF_SIR_GOP22225007105846_20225007105824_0001 Trapagraphy (i) Trapagraphy (i) Trapagraphy (i) CS_OFF_SIR_GOP_2_22225007107603_0225001 Mean Ses Surface (i), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFF_SIR_GOP_2_20225007107579_02025001 Mean Ses Surface (i), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFF_SIR_GOP_2_20225007107579_02025007105779_001 Mean Ses Surface (i), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFF_SIR_GOP_2_202250007109718_202250007109718_0023_0001 Mean Ses Surface (i), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFF_SIR_GOP_2_202250007109054_202250007109054_202250007109054_0001 Mean Ses Surface (i), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFF_SIR_GOP_2_202250007109054_202250007100533_0001 Mean Ses Surface (i), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFF_SIR_GOP_2_202250007110553_20225007110553_0001 Mean Ses Surface (i), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFF_SIR_GOP_2_202250007110553_20225007110553_0001 Mean Ses Surface (i), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFF_SIR_GOP_2_2022500071105543_0022500711055	CS_OFFL_SIR_GOP_2_20220509T043910_20220509T052849_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
No. PFL_SPL_SPL_SPL_SPL_SPL_SPL_SPL_SPL_SPL_SP	CS_OFFL_SIR_GOP_2_20220509T052849_20220509T061824_C001	Topography (1), Total Geocentric Ocean	
CS_OFFL_SIR_GOP_2_20220509T07808_2022059T078739_0001 Topography (1) Total Geneentic Ocean Topography (1) Total Geneentic Ocean Topography (1) Total Geneentic Ocean CS_OFFL_SIR_GOP_2_20220500T078739_20220509T08054 (2011) Meas Ses Surface (1) Mean Dynamic There is an encre with the MSS height (oution 1) and the Mean Dyn Topography (1) CS_OFFL_SIR_GOP_2_20220500T08554 20220509T102532 C001 Mean Ses Surface (1) Mean Dynamic There is an encre with the MSS height (oution 1) and the Mean Dyn Topography (1) CS_OFFL_SIR_GOP_2_20220500T102533 20220509T1102532 C001 Mean Ses Surface (1) Mean Dynamic There is an encre with the MSS height (oution 1) and the Mean Dyn Topography (1) CS_OFFL_SIR_GOP_2_20220500T1102533 20220509T1102548 2001 Mean Ses Surface (1) Mean Dynamic There is an encre with the MSS height (oution 1) and the Mean Dyn Topography (1) CS_OFFL_SIR_GOP_2_20220500T1102548 20220509T1125548 2001 Mean Ses Surface (1) Mean Dynamic There is an encre with the MSS height (oution 1) and the Mean Dyn Topography (1) CS_OFFL_SIR_GOP_2_20220500T111608 20220509T1125548 2001 Mean Ses Surface (1) Mean Dynamic There is an encre with the MSS height (oution 1) and the Mean Dyn Topography (1) CS_OFFL_SIR_GOP_2_20220500T1125548 20220509T113552 20220509T135523 20220509T13552 20220509T1	CS_OFFL_SIR_GOP_2_20220509T061824_20220509T070803_C001	Topography (1)	
DFL_SH_SH_2CF_2_2022000F103036_2022000F104718_2000 Topography (1) Topography (1) CS_OFFL_SH_GOP_2_20220509T080364_20200F102033_0022000F1102633_0000 Mean Ses Surface (1), Mean Dynamic Topography height (soution 1) for one or more records CS_OFFL_SH_GOP_2_20220509T102633_0022000F1102633_0022000F111008_C001 Mean Ses Surface (1), Mean Dynamic Topography height (soution 1) for one or more records CS_OFFL_SH_GOP_2_20220509T102633_0022000F111008_C001 Mean Ses Surface (1), Mean Dynamic Topography height (soution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T102638_00220509T120548_C001 Mean Ses Surface (1), Mean Dynamic Topography height (soution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T120548_0020509T120548_C001 Mean Ses Surface (1), Mean Dynamic Topography height (soution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T120548_0020509T120548_0001 Mean Ses Surface (1), Mean Dynamic Topography height (soution 1) and the Mean Dyn Topography height (soution 1) and the Me	CS_OFFL_SIR_GOP_2_20220509T070803_20220509T075739_C001	Topography (1), Total Geocentric Ocean	
DS. OFFL_SIR_GOP_2_202205091192654_02205091192659_001 Topography (1) Topography (2) GS_OFFL_SIR_GOP_2_202205091192654_02205091192653_001 Mean Ses Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (colution 1) and the Mean Dyn Topography (1) GS_OFFL_SIR_GOP_2_202205091102553_0220205091111608_001 Mean Ses Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (colution 1) and the Mean Dyn Topography (1) GS_OFFL_SIR_GOP_2_2022050911105548_0001 Mean Ses Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (colution 1) and the Mean Dyn Topography (1) GS_OFFL_SIR_GOP_2_2022050911205548_0001 Mean Ses Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (colution 1) and the Mean Dyn Topography (1) GS_OFFL_SIR_GOP_2_2022050911205522_00200091135522_0001 Mean Ses Surface (1), Mean Dynamic Topography height (colution 1) for one or more records GS_OFFL_SIR_GOP_2_202205091135503_0001 Mean Ses Surface (1), Mean Dynamic Topography height (colution 1) and the Mean Dyn Topography (1) GS_OFFL_SIR_GOP_2_202205091135503_020001 Mean Ses Surface (1), Mean Dynamic Topography height (colution 1) and the Mean Dyn Topography height (colution 1) and the Mean Dyn Topo	CS_OFFL_SIR_GOP_2_20220509T075739_20220509T084718_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
DS_OFFL_SIR_GOP_2_20220509T102633_20220509T111608_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T102633_20220509T111608_C001 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T110548_20201 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T125532_202009T125532_20201 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T125532_20220509T125532_202009T134503_C001 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T14503_20220509T134503_C001 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dyn Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T143438_20220509T132417_C001 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dyn Topography height (solution 1) or one or more records CS_OFFL_SIR_GOP_2_20220509T161353_20220509T161353_20201 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dyn Topography height (solution 1) or one or more records CS_OFFL_SIR_GOP_2_20220509T161353_20220509T161353_20220509T170332_C001 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dyn Topography height (solution 1) and the Mean Dyn Topography height (solution 1) and the Mean Dyn Topography	CS_OFFL_SIR_GOP_2_20220509T084718_20220509T093654_C001		There is 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_20220509T111608_20220509T120548_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T1120548_20220509T120548_C001 Mean Sas Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T125523_20200509T125523_C001 Mean Sas Surface (1), Mean Dynamic Topography (a) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T125523_20220509T134503_20220509T144548_C001 Mean Sas Surface (1), Mean Dynamic Topography Height (solution 1) or one or more records CS_OFFL_SIR_GOP_2_20220509T143438_C001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) and the Mean Dynamic Topography Height (solution	CS_OFFL_SIR_GOP_2_20220509T093654_20220509T102633_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
US_OFFL_SIR_GOP_2_20220509T120548_20220509T125523_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T120548_20220509T125523_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is 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_20220509T125523_20220509T1434503_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T134503_20220509T143438_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T143438_20220509T152417_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T152417_20220509T161353_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T162417_20220509T161353_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T16332_20220509T170332_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is 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_20220509T170332_20220509T175307_20220509T184246_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topogra	CS_OFFL_SIR_GOP_2_20220509T102633_20220509T111608_C001		There is 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_20220509T120546_20220509T134503_C001 Topography (1) Topography leight (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T134503_20220509T134503_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T134503_20220509T1343438_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T143438_20220509T152417_C001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T162417_20220509T161353_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T161353_20220509T161353_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T161353_20220509T167337_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T184246_C001 Topography (1) There is an error with the MSS height (solution 1), and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T184246_20220509T184246_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is	CS_OFFL_SIR_GOP_2_20220509T111608_20220509T120548_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
US_OFFL_SIR_GOP_2_20220509T134503_20220509T134503_20220509T143438_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T134503_20220509T134503_20220509T143438_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T134503_20220509T152417_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T152417_20220509T161353_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is 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_20220509T161353_20220509T161353_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T170332_20220509T170332_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is 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_20220509T170332_20220509T170332_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) or one or more records <td>CS_OFFL_SIR_GOP_2_20220509T120548_20220509T125523_C001</td> <td></td> <td>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</td>	CS_OFFL_SIR_GOP_2_20220509T120548_20220509T125523_C001		There is 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_20220509T143438_20220509T152417_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T152417_20220509T152417_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T152417_20220509T161353_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T161353_20220509T170332_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T170332_20220509T170332_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T175307_20220509T175307_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T175307_20220509T184246_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and th	CS_OFFL_SIR_GOP_2_20220509T125523_20220509T134503_C001		There is 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_20220509T152417_20220509T161353_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T152417_20220509T161353_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is 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_20220509T161353_20220509T170332_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is 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_20220509T170332_20220509T175307_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is 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_20220509T175307_20220509T184246_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_GOP_2_20220509T184246_20220509T193222_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T193222_2020509T202201_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T202201_20220509T220116_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Coean	CS_OFFL_SIR_GOP_2_20220509T134503_20220509T143438_C001		There is 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_20220509T161353_20220509T170332_C001 Topography (1) Topography (1) Topography light (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T161353_20220509T170332_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T170332_20220509T175307_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T175307_20220509T175307_20220509T184246_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 (GOT) CS_OFFL_SIR_GOP_2_20220509T184246_20220509T193222_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T193222_2020509T202201_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T202201_202201_2020509T211137_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T211137_20220509T220116_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total	CS_OFFL_SIR_GOP_2_20220509T143438_20220509T152417_C001		There is 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_20220509T170332_20220509T175307_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T175307_20220509T175307_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_GOP_2_20220509T175307_20220509T184246_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T184246_20220509T193222_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T193222_2020509T202201_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T202201_20220509T201201_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T202201_20220509T211137_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T211137_20220509T220116_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T211137_20220509T220116_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1), and the Mean Dynamic Topography (1), Total Geocentri	CS_OFFL_SIR_GOP_2_20220509T152417_20220509T161353_C001		There is 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_20220509T175307_20220509T175307_20220509T184246_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T175307_20220509T184246_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T184246_20220509T193222_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T193222_2020509T202201_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T202201_20220509T202201_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T202201_20220509T20116_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T20116_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_GOP_2_20220509T211137_20220509T220116_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide he	CS_OFFL_SIR_GOP_2_20220509T161353_20220509T170332_C001		There is 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_20220509T175307_20220509T184246_C001 Topography (1), Total Geocentric Ocean Tide (GOT) Topography height (solution 1) and the Total Geocentric Ocean height (solution 1: GOT) for one or more records CS_OFFL_SIR_GOP_2_20220509T184246_20220509T193222_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is 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_20220509T193222_20220509T202201_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is 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_20220509T202201_20220509T202201_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOP_2_20220509T202201_20220509T201137_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) There is 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_20220509T211137_20220509T220116_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1), and the Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT)	CS_OFFL_SIR_GOP_2_20220509T170332_20220509T175307_C001		There is 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_20220509T193222_2020509T202201_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T193222_20220509T202201_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is 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_20220509T202201_20220509T201201_20220509T211137_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is 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_20220509T211137_20220509T220116_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 (GOT) CS_OFFL_SIR_GOP_2_20220509T220116_2020509T220116_2001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) in dom or more records	CS_OFFL_SIR_GOP_2_20220509T175307_20220509T184246_C001	Topography (1), Total Geocentric Ocean	
CS_OFFL_SIR_GOP_2_20220509T202201_20220509T201137_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T202201_20220509T201137_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_20220509T201137_20220509T20116_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1), the Mean Dynamic CS_OFFL_SIR_GOP_2_20220509T211137_20220509T220116_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1), and the Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_GOP_2_20220509T220116_2001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide (GOT)	CS_OFFL_SIR_GOP_2_20220509T184246_20220509T193222_C001		There is 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_202205091202201_202205091201137_2001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOP_2_202205091211137_202205091220116_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_GOP_2_20220509121116_20205091220116_2001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide (SOT)	CS_OFFL_SIR_GOP_2_20220509T193222_20220509T202201_C001		There is 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_20220509T211137_20220509T220116_C001 Topography (1), Total Geocentric Ocean Tide (GOT) Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Topography (1), Total Geocentric Ocean Tide (GOT) Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) Topography (1), Total Geocentric Ocean Tide (GOT) Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) Topography (1), Total Geocentric Ocean Tide (GOT) Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) Topography (1), Total Geocentric Ocean Tide (GOT) Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) Topography (1), Total Geocentric Ocean Tide (GOT) Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) Topography (1), Total Geocentric Ocean Tide (GOT) Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) Topography (1), Total Geocentric Ocean Tide (GOT) Topogr	CS_OFFL_SIR_GOP_2_20220509T202201_20220509T211137_C001		There is 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_20220509T211137_20220509T220116_C001	Topography (1), Total Geocentric Ocean	
reposition in the factors	CS_OFFL_SIR_GOP_2_20220509T220116_20220509T225052_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS OFEL SID COP 2 2020600725062 2020600724021 C002	CS_OFFL_SIR_GOP_2_20220509T225052_20220509T234031_C002	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	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

6.5 P2P Measurement Confidence Data Check

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

 Number of products with errors:
 0

P2P Quality Flags (20 Hz)

CryoSat P2P data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors:	30	
P2P Quality Flags (20 Hz PLRM)		
Since the P2P Quality Flags are copied directly	ectly 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 PL	RM)	
Since the P2P Quality Flags are copied directly	ectly 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 Qua	lity Check	
P2P Retracking Flags (20 Hz)	Iity Check g quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.	
P2P Retracking Flags (20 Hz) Cryosat P2P data includes an ocean retracking		
P2P Retracking Flags (20 Hz) Cryosat P2P data includes an ocean retracking	g quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.	
P2P Retracking Flags (20 Hz) Cryosat P2P data includes an ocean retrackin Ocean Retracking Quality Flag (PLRM): Th	g quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set. s flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.	
P2P Retracking Flags (20 Hz) Cryosat P2P data includes an ocean retrackin Ocean Retracking Quality Flag (PLRM): Th Number of products with errors: P2P Retracking Flags PLRM	g quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set. s flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.	
P2P Retracking Flags (20 Hz) Cryosat P2P data includes an ocean retrackin Ocean Retracking Quality Flag (PLRM): Th Number of products with errors: P2P Retracking Flags PLRM CryoSat L2 data includes an ocean retracking	g quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set. s flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected. 27	