

QA4EO Daily Report for GOP data:

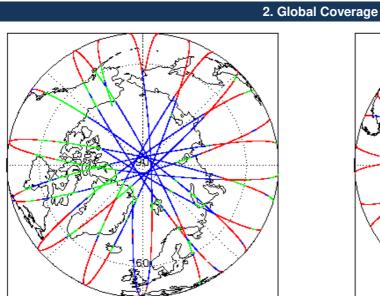
<u>15/06/2022</u>

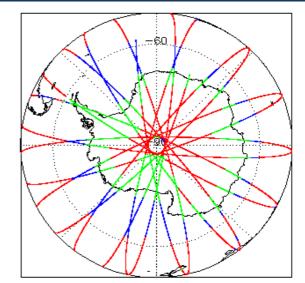
IDEAS-QA4E0

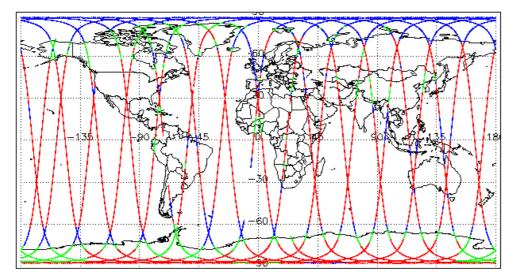
an art Draduation.	10, 101, 0020	Check	L1 & L2	P2P
leport Production:	18-Jul-2022	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:		Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
Data Used:	L1B, L2 & P2P Science Data	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 and 7.2	See Section 7.1 and 7.

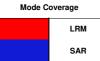
1. Overview

Mission / Instrument News		
14-Jun-2022	None	
15-Jun-2022	None	
16-Jun-2022	Nothing planned	









SARIn

3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

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

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis					
For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.					
L1B Processing Quality HR: The 11b_proc_flag_hr flag is currently set all L1B GOPR and GOPN products because the 11b_processing_quality_hr field is not correctly configured in the OSAR and					
OSARIn chains. A modification is required in the next release.					
Number of products with errors: 0					
4.3 L1B Auxilary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with respect to a pre-	determined baseline and also to 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.	The bit value of this flag indicates any proble	ems when set.			
Number of products with errors: 0					
4.5 L1B Measurement Confidence Data Check					
CryoSat L1B data includes a measurement confidence flag for each measurement	ent record. The bit value of this flag indicates	any problems when set.			
Attitude Correction Missing: This flag is currently set in error for GOPR produ	cts due to a configuration issue. This is being	investigated and will be updated in the next SW update.			
Number of products with errors: 0					
4.6 L1B Waveform Group Data Check					
CryoSat L1B data includes a waveform data flag for each measurement record.	The bit value of this flag indicates any proble	ms when set.			
Loss of Echo Flag: This flag is currently set for some products over land, but the					
Number of products with errors: 14					
Product CS_OFFL_SIR_GOPM1B_20220615T000425_20220615T003731_C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPM1B_20220615T165747_20220615T170854_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20220615T093929_20220615T094513_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20220615T112102_20220615T112236_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20220615T154255_20220615T154446_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20220615T163433_20220615T163551_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPN1B_20220615T194744_20220615T195233_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20220615T003731_20220615T004047_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20220615T062957_20220615T063654_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20220615T094513_20220615T095254_C001 CS_OFFL_SIR_GOPR1B_20220615T130252_20220615T131007_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 20220615T144415 20220615T144904 C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20220615T180238_20220615T180325_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20220615T224903_20220615T224950_C001	Loss of Echo	The tracking echo is missing for one or more records			
5 60	P Lovel 2 Data Quality Ch	ack			
5. GOP Level 2 Data Quality Check					
5.1 L2 Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to er	nsure it consists of both an XML header file (.	HDR) and a NetCDF product file (.nc).			
Number of products with errors: 0					
5.0 L 2 Dreduct Hooder Analysia					
5.2 L2 Product Header Analysis					
For all products, a series of pre-defined checks are performed on the MPH and	SPH in order to identify any 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					
	determined becaling and also to should the vis	liditu of Auvilian Deto Filos is correct			
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.					
lumber 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		· · · · · · · · · · · · · · · · · · ·			
> ECMWF Meteo Corrections: Currently the following corrections are not comp Correction and the U-Wind and V-Wind components of the ECMWF model wind not reported in the table below.					
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for p	products over sea ice, but this is to be expect	ed.			
> Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.					
Number of products with errors: 51					
•	Toot Foiled	Description			
Product	Test Failed	Description There is an error with the Mean Dynamic Topography (solution 1) for one			
CS_OFFL_SIR_GOPN_2_20220615T000234_20220615T000425_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_20220615T004047_20220615T004405_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			

One-DestructionName is a server with the March Database is A server with the	CS_OFFL_SIR_GOPN_2_20220615T004917_20220615T005042_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
Colume Colume <thcolum< th=""> <thcolum< th=""> Colum</thcolum<></thcolum<>	CS_OFFL_SIR_GOPN_2_20220615T013134_20220615T013243_C001		
Call, Diff, Link, Golfe, Z. accessors from the local solution (11) (200 Teography (1) Teography (1) Teography (1) Cal, Diff, Link, GOH, Z. accessors from the local solution (11) (200 Main Ed. Schlark (1), Near Dynam. The schlark (1), Near Dynam. Cal, Diff, Link, GOH, Z. accessors from the local solution (11) (200 Main Ed. Schlark (1), Near Dynam. The schlark (1), Near Dynam. Cal, Diff, Link, GOH, Z. accessors from the local solution (11) (200 Main Ed. Schlark (1), Near Dynam. The schlark (1) is call reary with the local brace in constraints of the local solution (1), Near Dynam. Cal, Diff, Link, GOH, Z. accessors from the local solution (1), Near Dynam. The schlark (1), Near Dynam. The schlark (1), Near Dynam. Cal, Diff, Link, GOH, Z. accessors from the local brace in constraints of the local solution (1), Near Dynam. The schlark (1), Near Dynam. The schlark (1), Near Dynam. Cal, Diff, Link, GOH, Z. accessors from the local solution (1), Near Dynam. The schlark (1), Near Dynam. The schlark (1), Near Dynam. The schlark (1), Near Dynam. Cal, Diff, Link, GOH, Z. accessors from the local solution (1), Near Dynam. The schlark (1), Near Dynam.	CS_OFFL_SIR_GOPN_2_20220615T022822_20220615T022930_C001	Mean Dynamic Topography (1)	
Dec. OF L. DR. COVIC.2. ALLOWING SUBJECT TO ALLOWING COUNT Treegraphy (1) Treegraphy (1) Treegraphy (1) Treegraphy (1) Tree is an example of the Most Dec. To allow for the Most Dec. The Most Dec. To allow for the Most Dec. Dec. To allow for the Most Dec. To allow	CS_OFFL_SIR_GOPN_2_20220615T031046_20220615T031159_C001		
Control Control <t< td=""><td>CS_OFFL_SIR_GOPN_2_20220615T040526_20220615T040714_C001</td><td></td><td></td></t<>	CS_OFFL_SIR_GOPN_2_20220615T040526_20220615T040714_C001		
Circl Site Conft, Site Co	CS_OFFL_SIR_GOPN_2_20220615T044822_20220615T045114_C001		
Control (set) (set) 2 decide interests access interview Inter Details is appropriately (i) Interview Interview Cal_OPH_USH_CONPL_2 decides interview Main Dynamic Topography (i) There is a new reads Cal_OPH_USH_CONPL_2 decides interview Main Dynamic Topography (ii) There is a new reads Cal_OPH_USH_CONPL_2 decides interview Main Dynamic Topography (iii) There is a new reads Cal_OPH_USH_CONPL_2 decides interview Main Dynamic Topography (iii) There is a new reads Cal_OPH_USH_CONPL_2 decides interview Main Dynamic Topography (iii) There is a new reads Cal_OPH_USH_CONPL_2 decides interview Main Dynamic Topography (iii) There is a new reads the Main Dynamic Topography (iii) or origonaphy (iii) Cal_OPH_USH_CONPL_2 decides interview Main Dynamic Topography (iii) There is a new reads the Main Dynamic Topography (iii) or origonaphy (iii) Cal_OPH_USH_CONPL_2 decides interview Main Dynamic Topography (iii) There is a new reads the Main Dynamic Topography (iii) or origonaphy (iii) Cal_OPH_USH_CONPL_2 decides interview Main Dynamic Topography (iii) There is a new reads the Main Dynamic Topography (iii) or origonaphy (iii) Cal_OPH_USH_CONPL_2 decides interview Main Dynamic Topography (iii) There is a new reads the MSS head() (Main I) for origonaphy (iii) <td>CS_OFFL_SIR_GOPN_2_20220615T054356_20220615T055003_C001</td> <td></td> <td></td>	CS_OFFL_SIR_GOPN_2_20220615T054356_20220615T055003_C001		
OCCUPTION CONCENTRAC 2002006 IST 014 No. 2002006 IST 014 No. 2002006 IST 0250.001 Meet Dynamic Tapography (1) or more records CS, DFL, SIR, OOPL 2, 202206 IST 0250.001 Meet Dynamic Tapography (1) There is an end of the	CS_OFFL_SIR_GOPN_2_20220615T062539_20220615T062957_C001	Mean Dynamic Topography (1)	
Car, Dir. Sin CorPL 2: 00200151100018, 202200151100018, 202200151120018, 202200151120018, 202200151120018, 202200151120018, 202200151120018, 202200151120018, 202200151120018, 202200151120018, 202200151120018, 202200151122016, 202200151120018, 202200151122018, 202200151122018,	CS_OFFL_SIR_GOPN_2_20220615T071433_20220615T071705_C001	Mean Dynamic Topography (1)	
Carperty Service Construction Mater Dynamic Topography (1) or more records CS_OFFL_SH_COPPL_2_02200151121325 20220151121325 20220151121325 20220151121325 20220151121325 20220151121325 20220151121325 20220151121325 20220151121325 20220151123355 20220151123355 20220151123355 20220151123355 20220151123355 20220151123355 20220151123355 202201511123355 202201511123355 202201511123355 202201511123355 202201511123555 202201511123555 202201511123555 202201511123555 202201511123555 202201511123555 202201511123555 202201511123555 202201511125555 202201511125555 202201511125555 202201511125555 202201511125555 202201511125555 202201511125555 202201511125555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220151112555 20220111112555 202201511125552 <	CS_OFFL_SIR_GOPN_2_20220615T072329_20220615T072641_C001	Mean Dynamic Topography (1)	
Corr L, Sin, Corr J, 20220615712129, 202206157121359, 202206157121359, 202206157121359, 20220615712139, 20220615712239, 20220615712239, 20220615712239, 20220615712239, 20220615712239, 20220615712239, 20220615712239, 20220615712399, 2022061571399, 20220061571399, 2022061571399, 2022061571399, 20220615713	CS_OFFL_SIR_GOPN_2_20220615T080431_20220615T080820_C001	Mean Dynamic Topography (1)	
Control still Control 2, 202206151122122 Control 5, 11, Control 2, 202206151122122 Control 5, 11, Control 2, 202206151122122 Control 5, 11, Control 5, 202206151122122 C6 OFFL_SIR_COPN_2, 202206151122122 Control 5, 202206151122122 Control 5, 202206151122122 Control 5, 202206151122122 C6 OFFL_SIR_COPN_2, 202206151135915, 202206151135550, 20201 Mean Sea Surface (1), Mean Dynamic Trapography (n) There is an error with the MSS height (solution 1) and the Mean Dynamic Trapography (n) C6 OFFL_SIR_COPN_2, 202206151135915, 202206151135915, 202206151135925, 202206151135925, 202206151135925, 202206151135925, 202206151135925, 202206151135925, 202206151135925, 202206151135925, 202206151135925, 202206151135915, 202206151135915, 202206151135915, 202206151135915, 202206151135915, 202206151135915, 202206151135915, 202206151135142, 2001 Mean Sea Surface (1), Mean Dynamic Trapography (1), Their E an error with the MSS height (solution 1) and the Mean Dynamic Trapography (1), Their E an error with the MSS height (solution 1) and the Mean Dynamic Trapography (1), Their E an error with the MSS height (solution 1) and the Mean Dynamic Trapography (1), Their E an error with the MSS height (solution 1) and the Mean Dynamic Trapography (1), Their E an error with the MSS height (solution 1) and the Mean Dynamic Trapography (1), Their E an error with the MSS height (solution 1) and the Mean Dynamic Trapography (1), Their E an error with the MSS height (solution 1) and the Mean Dynamic Trapography (1), Their E an error with the MSS height (solution 1) and the Mean Dynamic Trapography (1), Their E an error with the MSS height (solution 1) and the Mean Dynamic Trapography (1), Theire E an error with the MSS height (solution 1) and the	CS_OFFL_SIR_GOPN_2_20220615T090418_20220615T090535_C001	Mean Dynamic Topography (1)	
Construct_Section Topography (i) Topography (i) Topography (i) Topography (i) C8_OFFL_SIFL_GOPN_2_30220615T135313_02020615T136549_0001 Mean Sea Surface (1), Mean Dynamic Topography (i) There is an error with the MSS height (calulation 1) and the Mean Dynamic C8_OFFL_SIFL_GOPN_2_30220615T135353_02020615T135554_0001 Mean Sea Surface (1), Mean Dynamic Topography (i) There is an error with the MSS height (calulation 1) and the Mean Dynamic C8_OFFL_SIFL_GOPN_2_30220615T130542_02020615T135542_0001 Mean Sea Surface (1), Mean Dynamic Topography (i) There is an error with the MSS height (calulation 1) and the Mean Dynamic C8_OFFL_SIFL_GOPN_2_30220615T1305428_0001 Mean Sea Surface (1), Mean Dynamic Topography (i) There is an error with the MSS height (calulation 1) and the Mean Dynamic C8_OFFL_SIFL_GOPN_2_30220615T1305428_0001 Mean Sea Surface (1), Mean Dynamic Topography ingit (calulation 1) and the Mean Dynamic C9_OFFL_SIFL_GOPN_2_30220615T130543_0001 Mean Sea Surface (1), Mean Dynamic Topography ingit (calulation 1) and the Mean Dynamic C9_OFFL_SIFL_GOPN_2_30220615T130541_0001 Mean Dy	CS_OFFL_SIR_GOPN_2_20220615T121329_20220615T121455_C001	Mean Dynamic Topography (1)	
OCL_PPT_SBR_SOLVE_200200110113316_200200110115316_2002001 Teopagapy repit (colution 1) for one or more neods CS_OFFL_SIR_GOPN_2_20220015T183915_20220615T18383_20220615T18383_20220615T18383_20220615T18383_20220615T18383_20220615T18383_20220615T18383_20220615T18383_20220615T18383_20220615T18383_20220615T18383_20220615T18383_20220615T18383_20220615T18383_20220615T183032_0001 There is an enrow with the MSS height (colution 1) and the Mean Dynamic Teopagapy fuely (colution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220615T186081_20220615T186082_CO01 Mean Sea Surface (1), Mean Dynamic Teopagapy	CS_OFFL_SIR_GOPN_2_20220615T122015_20220615T122323_C001		
Column 2_cutual is 11 statis_dutability 1 statis_dutabi	CS_OFFL_SIR_GOPN_2_20220615T135313_20220615T135540_C001		
CS_OFFSIR_GOPN_2_20220615716303OUDID151868OUDI Topography (1) Topography (applit (askiton 1) for one or more records CS_OFFE_SIR_GOPN_2_202206157163032_C001 Man Sas Surface (1), Man Dynamic Topography (applit (askiton 1), the Man Dynamic CS_OFFE_SIR_GOPN_2_202206157170924_202206157171514_C001 Man Sas Surface (1), Man Dynamic Topography (1) There is an error with the MSS height (askiton 1), the Man Dynamic CS_OFFE_SIR_GOPN_2_202206157180325_202206157180428_C001 Man Sas Surface (1), Man Dynamic Topography (1) There is an error with the MSS height (askiton 1) and the Mean Dynamic CS_OFFE_SIR_GOPN_2_202206157180312_0220615718042_C001 Man Sas Surface (1), Man Dynamic Topography (1) There is an error with the MSS height (askiton 1) and the Mean Dynamic CS_OFFE_SIR_GOPN_2_202206157180319_02206157180301_C001 Man Sas Surface (1), Man Dynamic Topography (1) There is an error with the MSS height (askiton 1) and the Mean Dynamic Topography (1) CS_OFFE_SIR_GOPN_2_202206157190141_202206157190344_C001 Mean Dynamic Topography (1) There is an error with the MSS height (askiton 1) and the Mean Dynamic Topography (1) CS_OFFE_SIR_GOPN_2_202206157190141_202206157190344_C001 Mean Sas Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (askiton 1) and the Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (1) There is an error	CS_OFFL_SIR_GOPN_2_20220615T135915_20220615T140247_C001		
CS. OFFL_SIR_GOPN_2_20220615T162301_20220615T163023_C001 Topography (1) Total Geocentric Ocean Tide Ineight (solution 1) and the Total Geocentric Ocean Tide Ineight (solution 1: GOT) for one or more records CS. OFFL_SIR_GOPN_2_20220615T170544_20220615T171514_C001 Mean Sas Surface (1), Mean Dynamic Topography (a) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (a) CS_OFFL_SIR_GOPN_2_20220615T180325_20220615T180428_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (a) CS_OFFL_SIR_GOPN_2_20220615T180428_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220615T180142_0220615T185301_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_20220615T180141_20220615T190344_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_20220615T190141_20220615T195233_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220615T221028_20220615T221423_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220615T22208_20220615T221423_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_O	CS_OFFL_SIR_GOPN_2_20220615T153353_20220615T153628_C001		
OS_OPPL_SIN_GOPR_2_20220615118042_2020015111042_20001 Topography (1) Topography (elipit (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220615T180325_20220615T180428_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or one or more records CS_OFFL_SIR_GOPN_2_20220615T180431_20220615T180442_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_20220615T180141_20220615T180344_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_20220615T180141_20220615T190344_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_20220615T1221028_20220615T1221423_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1), and the Mean Dynamic Topography height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Generative Cosen Tide (solution 1), the Total Generative Cosen Tide (solution 1), the Mean Dynamic Topography height (solution 1), the Total Generative Cosen Tide (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220615T221028_20220615T221423_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1), the Mean Dynamic Topography height (solution 1), the Mean Dynamic Topography (solution 1), the real Generative Cosen Tide (solution 1), the Mean Dynamic Topography height (solution 1), the Mean Dynamic Topography (solutin 1), the mean Dynamic Topography (solution 1), and t	CS_OFFL_SIR_GOPN_2_20220615T162901_20220615T163023_C001	Topography (1), Total Geocentric Ocean	Topography height (solution 1) and the Total Geocentric Ocean Tide
Cis_OFFL_SIR_GOPN_2_a02206151180325_20220615T18042_C001 Mean Dynamic Topography (1) or more records CS_OFFL_SIR_GOPN_2_a0220615T180431_20220615T181042_C001 Mean Sea Surface (1), Mean Dynamic Topography (epilyt (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_a0220615T180141_20220615T185301_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_a0220615T180141_20220615T190344_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_a0220615T190144_20220615T195233_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_a0220615T221028_20220615T221423_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_a0220615T221028_20220615T221423_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_a0220615T222015_20220615T222141_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_a0220615T222015_20220615T222141_C001 Mean Sea Surface (1), Mean Dynamic Topography (ic) for one or more records CS_OFFL_SIR_GOPN_2_a0220615T235017_20220615T235358_C001 Mean Dynamic Topography (ic) for one or more records CS_OFFL_SIR_GOPN_2_a0220615T03	CS_OFFL_SIR_GOPN_2_20220615T170924_20220615T171514_C001		
CS_OFFL_SIR_GOPN_2_20220615T180031_20220615T185301_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_20220615T190141_20220615T190344_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_20220615T190141_20220615T190344_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20220615T191044_20220615T195233_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), Trait Geocentric Ocean Tide (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220615T221028_20220615T221423_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Trait Geocentric Ocean Tide (solution 2); FCS) and the Non-Equilibrium Long Period Ocean Tide (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220615T222015_20220615T222141_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20220615T235017_20220615T235330_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_GOPN_2_20220615T0315253566_C001 Mean Dynamic Topography (1) There	CS_OFFL_SIR_GOPN_2_20220615T180325_20220615T180428_C001	Mean Dynamic Topography (1)	, , , , , , , , , , , , , , , , , , , ,
CS_OFFL_SIR_GOPN_2_20220615T190141_20220615T190344_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_20220615T194744_20220615T195233_C001 Mean Sea Surface (1), Mean Dynamic Topography (ei) there is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1) troe or more records CS_OFFL_SIR_GOPN_2_20220615T221028_20220615T221423_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1) tree (SG III not solution 2): FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records CS_OFFL_SIR_GOPN_2_20220615T222015_20220615T222141_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220615T235017_20220615T235330_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220615T235846_20220615T235858_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_20220615T031912_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_20220615T180831_20220615T181042_C001		
CS_OFFL_SIR_GOPN_2_202206151190141_202206151190344_C001 Inter is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20220615T194744_20220615T195233_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (CGT), Total Geocentric Ocean Tide (CGCT), Total Geocentric Ocean Tide (CGCT), Son-Equilibrium Long Period Ocean Tide (CGCT), Son-Equilibrium Long Period Ocean Tide (CGCT), Total Geocentric Ocean Tide (CGCT	CS_OFFL_SIR_GOPN_2_20220615T185119_20220615T185301_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_GOPN_2_202206151194744_202206151195233_C001 Topography (1)	CS_OFFL_SIR_GOPN_2_20220615T190141_20220615T190344_C001	Mean Dynamic Topography (1)	
GS_OFFL_SIR_GOPN_2_20220615T221028_20220615T221423_C001 Topography (1). Total Geocentric Ocean Tide (GOT). Total Geocentric Ocean Tide (GOT). Total Geocentric Ocean Tide (FES). Non-Equilibrium Long Period Ocean Tide (FES). Non-Equilibrium Long Period Ocean Tide for one or more records CS_OFFL_SIR_GOPN_2_20220615T222015_20220615T222141_C001 Mean Dynamic Topography (1) There is an error with the Mesn Dynamic Topography (solution 1) the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20220615T225017_20220615T225301_20220615T235330_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mesn Dynamic Topography (solution 1) there on or more records CS_OFFL_SIR_GOPN_2_20220615T235846_20220615T235958_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) tor one or more records CS_OFFL_SIR_GOPR_2_20220615T012422_20220615T012857_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_20220615T031159_20220615T031912_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPR_2_20220615T045114_20220615T045842_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_GOPR_2_20220615T045114_20220615T045842_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Me	CS_OFFL_SIR_GOPN_2_20220615T194744_20220615T195233_C001		
CS_OFFL_SIR_GOPN_2_20220615T222015_20220615T222141_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPN_2_20220615T235017_20220615T23530_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPN_2_20220615T235846_20220615T235958_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20220615T012422_20220615T012857_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20220615T031159_20220615T031912_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20220615T045114_20220615T045842_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20220615T063957_20220615T063654_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20220615T063957_20220615T063654_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPN_2_20220615T221028_20220615T221423_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean
CS_OFFL_SIR_GOPN_2_202206151235017_202206151235330_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20220615T235846_20220615T235958_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_20220615T012422_20220615T012857_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_20220615T031159_20220615T031912_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220615T045114_20220615T045842_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPN_2_20220615T222015_20220615T222141_C001		
CS_OFFL_SIR_GOPR_2_20220615T012422_20220615T012857_C001 Mean Dynamic Topography (1) or more records CS_OFFL_SIR_GOPR_2_20220615T012422_20220615T012857_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_20220615T031159_20220615T031912_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220615T045114_20220615T045842_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPN_2_20220615T235017_20220615T235330_C001		
CS_OFFL_SIR_GOPR_2_202206151012422_202206151012422_202206151012422_2020011 Integration of more records CS_OFFL_SIR_GOPR_2_20220615T031159_20220615T031912_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_GOPR_2_20220615T045114_20220615T045842_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_GOPR_2_20220615T062957_20220615T063654_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_GOPN_2_20220615T235846_20220615T235958_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_GOPR_2_20220615T045114_20220615T045842_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_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_GOPR_2_20220615T012422_20220615T012857_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPR_2_20220615T031159_20220615T031912_C001		
Topography (1) Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPR_2_20220615T045114_20220615T045842_C001		
New York Control (New Description Theorem 1996) by the MORE by the More Description	CS_OFFL_SIR_GOPR_2_20220615T062957_20220615T063654_C001		
CS_OFFL_SIR_GOPR_2_20220615T080820_20220615T081700_C001 Topography (1) Inter is an error with the MSS neight (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPR_2_20220615T080820_20220615T081700_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_20220615T094513_20220615T095254_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_20220615T112446_20220615T113107_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_20220615T113107_20220615T113409_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_20220615T130252_20220615T131007_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_20220615T131007_20220615T131145_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_20220615T144415_20220615T144904_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_20220615T144904_20220615T145030_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_20220615T162151_20220615T162747_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_20220615T162747_20220615T162901_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_20220615T180428_20220615T180518_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_20220615T180518_20220615T180831_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_20220615T181427_20220615T181519_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_GOPR_2_20220615T194048_20220615T194744_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_20220615T212246_20220615T212811_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_20220615T225058_20220615T225200_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_20220615T230154_20220615T230949_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

93

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220615T000425_20220615T003731_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_20220615T004405_20220615T004917_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_20220615T005311_20220615T011101_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_20220615T012857_20220615T012917_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_20220615T014157_20220615T020518_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_20220615T020534_20220615T021603_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_20220615T022411_20220615T022822_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_20220615T023305_20220615T025910_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_20220615T025927_20220615T030645_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_20220615T030842_20220615T031046_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_20220615T031912_20220615T033343_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_20220615T033824_20220615T035116_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_20220615T035210_20220615T035533_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_20220615T035746_20220615T040304_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_20220615T040310_20220615T040317_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_20220615T040323_20220615T040526_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_20220615T041407_20220615T042639_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_20220615T042853_20220615T044619_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_20220615T050815_20220615T051746_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_20220615T052023_20220615T053426_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_20220615T053711_20220615T054216_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_20220615T055046_20220615T055154_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_20220615T061022_20220615T061231_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_20220615T061354_20220615T061620_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_20220615T061623_20220615T061744_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_20220615T065727_20220615T071311_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_20220615T071705_20220615T072132_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_20220615T072154_20220615T072329_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_20220615T072833_20220615T075145_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_20220615T082752_20220615T085245_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_20220615T085527_20220615T090047_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_20220615T090053_20220615T090418_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_20220615T090749_20220615T093452_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_20220615T093618_20220615T093928_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_20220615T100312_20220615T100625_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_20220615T100627_20220615T101224_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_20220615T101226_20220615T103209_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_20220615T103514_20220615T104325_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_20220615T104746_20220615T112102_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_20220615T113409_20220615T113613_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_20220615T120456_20220615T121106_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_20220615T122705_20220615T124823_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_20220615T125110_20220615T130135_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_20220615T131216_20220615T131642_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_20220615T132155_20220615T132200_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_20220615T133233_20220615T133719_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_20220615T135540_20220615T135915_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_20220615T140625_20220615T141115_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_20220615T141124_20220615T144247_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_20220615T145537_20220615T152654_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_20220615T153628_20220615T153821_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_20220615T154114_20220615T154255_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_20220615T154551_20220615T155120_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_20220615T160032_20220615T160243_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_20220615T160723_20220615T161403_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_20220615T163023_20220615T163433_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_20220615T163614_20220615T164145_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_20220615T164226_20220615T165127_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_20220615T165747_20220615T170854_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_20220615T171808_20220615T172230_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_20220615T172513_20220615T173118_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_20220615T173226_20220615T173912_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_20220615T174219_20220615T175537_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_20220615T182229_20220615T182455_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_20220615T183358_20220615T184930_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_20220615T185301_20220615T190141_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_20220615T190434_20220615T192633_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_20220615T195456_20220615T200350_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_20220615T200353_20220615T202843_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_20220615T203506_20220615T203937_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_20220615T204408_20220615T204801_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_20220615T204804_20220615T210818_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_20220615T214055_20220615T220715_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_20220615T221423_20220615T222015_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_20220615T222236_20220615T224406_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_20220615T224411_20220615T224708_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_20220615T225435_20220615T225608_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_20220615T225915_20220615T230025_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_20220615T231246_20220615T234626_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_20220615T235330_20220615T235846_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_20220615T035607_20220615T035746_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.

100

Number of products with errors:

Product	Test Failed	Description
	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS OFEL SID CODN 2 20220615T012124 20220615T012242 C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

OCCUT_CUT_CUT_CUT_CUT_CUT_CUT_CUT_CUT_CUT			
GB GPL BR GPH 2 3020011780028 202001178014 0001 0000 Altinue Rhap Cuthy RND GB GPL BR GPH 2 3020011780029 202001178014 0001 0000 Altinue Rhap Cuthy RND GB GPL BR GPH 2 3020011780029 202001178014 0001 0000 Altinue Rhap Cuthy RND GB GPL BR GPH 2 3020011780029 202001178010 0001 0000 Altinue Rhap Cuthy RND GB GPL BR GPH 2 3020011780029 2020011780000 0001 0000 Altinue Rhap Cuthy RND GB GPL BR GPH 2 3020011780029 2020011780000 0001 0000 Altinue Rhap Cuthy RND GB GPL BR GPH 2 3020011780029 2020011780000 0001 0000 Altinue Rhap Cuthy RND GB GPL BR GPH 2 3020011780029 2020011780000 0001 0000 Altinue Rhap Cuthy RND GB GPL BR GPH 2 3020011780029 2020011780000 0001 0000 Altinue Rhap Cuthy RND GB GPL BR GPH 2 3020011780029 2020011780000 0001 0000 Altinue Rhap Cuthy RND GB GPL BR GPH 2 3020011780029 2020011780000 0001 0000 Altinue Rhap Cuthy RND GB GPL BR GPH 2 3020011780020 0001 00000 Altinue Rhap Cuthy RND GB GPL BR GPH 2 3020011780000 00017800000 00017800000 0001780000000000	CS_OFFL_SIR_GOPN_2_20220615T030722_20220615T030842_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
00.0071_011_0010_02_02_020010100020_0000 00000 Baskeeter Gaity more reacts 02.0071_010_0012_020010100020_0000 00000 Ahimse Racy Gaity PLIN. The OOD Racy and Davkeeter Gaity Biologian College 03.0711_010_0012_020010100020_0000 00000 Ahimse Racy Gaity PLIN. The OOD Racy and Davkeeter Gaity Biologian College 03.0711_010_0012_020010100020_00000 00000 Ahimse Racy Gaity PLIN. The OOD Racy and Davkeeter Gaity Biologian College 03.0711_010_0012_020010100000_00000 00000 Ahimse Racy Gaity PLIN. The OOD Racy and Davkeeter Gaity Flags have been ref for an one reacts. 03.0711_010_0012_02000000000000000000000000	CS_OFFL_SIR_GOPN_2_20220615T040526_20220615T040714_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Control Description Description Description Description Control Control Description Description <td>CS_OFFL_SIR_GOPN_2_20220615T044822_20220615T045114_C001</td> <td></td> <td>The OCOG Range and Backscatter Quality Flags have been set for one or more records</td>	CS_OFFL_SIR_GOPN_2_20220615T044822_20220615T045114_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS OFL SIN COPY 2 8020015T05030 2620015T05030 2020015T05030 201 EXEMPTION CONTROL NOT CONTROL OF	CS_OFFL_SIR_GOPN_2_20220615T050427_20220615T050815_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
Concernsol Concernsol Concernsol Concernsol Concernsol CB CFRL_SIR_COPH_2_D0228615708259 Concernsol Conc	CS_OFFL_SIR_GOPN_2_20220615T054356_20220615T055003_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SH_SOFFL_2.0020415106269_2.0020415106269_0001 CCCC0 Backeter Guily Fig. Brock 2.0220415106460_2022041510705.001 CCCC0 Althouse Page SUN SWH order Page SUN S	CS_OFFL_SIR_GOPN_2_20220615T062106_20220615T062229_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
Caperty_SH_QAPPT_2_Add2001101000000_Add1000000 Code Descenter Coding The Occore Attempts Program SUM Symp Cis_OFFL_SH_QAPPT_2_Add200101071143_000201051071706_C000 Minimater Program SUM Symp The Occore Attempts Program SUM Symp Cis_OFFL_SH_QAPPT_2_Add200101071143_000201051071706_C000 Minimater Program SUM Symp The Occore Attempts Program SUM Symp Cis_OFFL_SH_QAPPT_2_Add2001010701106_C000 Docan Attempts Program SUM Symp The OCCOR Attempts Program SUM Symp Cis_OFFL_SH_QAPPT_2_Add20010107080220_00200107080220_00200107080230_00000 Docan Attempts Program SUM Symp The OCCOR Attempts Program SUM Symp Cis_OFFL_SH_QAPPT_2_Add20010107080220_00200107080230_00001 DOCCA Attempts Program SUM Symp The OCCOR Attempts Program SUM Symp Cis_OFFL_SH_QAPPT_2_Add20010107080230_0001 DOCCA Attempts Program SUM Symp The OCCOR Attempts Program SUM Symp Cis_OFFL_SH_QAPPT_2_Add20010107080230_0001 DOCCA Attempts Program SUM Symp The OCCOR Attempts Program SUM Symp Cis_OFFL_SH_QAPPT_2_Add20010107080230_0001 DOCCA Attempts Program Sim Symp The OCCOR Attempts Program Sim Symp Cis_OFFL_SH_QAPPT_2_Add20010107080230_0001 DOCCA Attempts Program Sim Symp The OCCOR Attempts Program Sim Symp Cis_OFFL_SH_QAPPT_2_dd2201517080431_0001 DOCCA Attempts Program Sim Symm The OCCOR Attempts Program Sim Symp	CS_OFFL_SIR_GOPN_2_20220615T062539_20220615T062957_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS OFFL_SIR_GOPN_2_20220615T07433_00220615T074561_0001 Instruction on an one records. Instruction on an one records. CS_OFFL_SIR_GOPN_2_20220615T072641_0001 COCGA Altereter Range, SSIA, SWIA The Occean Altereter Range, SSIA, SWIA CS_OFFL_SIR_GOPN_2_20220615T072641_0001 COCGA Altereter Range, SSIA, SWIA The Occean Altereter Range, SSIA, SWIA CS_OFFL_SIR_GOPN_2_20220615T072641_0001 COCGA Altereter Range, SSIA, SWIA The OccoR Altereter Range, SSIA, SWIA CS_OFFL_SIR_GOPN_2_20220615T072642_00200615T080820_0001 COCGA Altereter Range, SSIA, SWIA The OCCOR Range and Backscatter Quality Flags have been set for one on more records. CS_OFFL_SIR_GOPN_2_20220615T080820_0001 COCGA Altereter Range, SSIA, SWIA The OCCOR Range and Backscatter Quality Flags have been set for one on more records. CS_OFFL_SIR_GOPN_2_20220615T080820_0001 COCGA Altereter Range, SSIA, SWIA The OCCOR Range and Backscatter Quality Flags have been set for one on more records. CS_OFFL_SIR_GOPN_2_20220615T080820_0001 COCGA Altereter Range, SSIA, SWIA The OCCOR Range and Backscatter Quality Flags have been set for one on more records. CS_OFFL_SIR_GOPN_2_20220615T080820_0001 COCGA Altereter Range, SSIA, SWIA The OCCOR Range and Backscatter Quality Flags have been set for one on more records. CS_OFFL_SIR_GOPN_2_20220615T080525_0001 COCGA Altereter Range, SSIA, SWIA The OCCOR Range and Backscatter Quality Flags have bee	CS_OFFL_SIR_GOPN_2_20220615T064630_20220615T064937_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
GS_OFFL_SIR_GOPN_2_20220615T052328_20220615T052541_C001 And Backstater Cuality FLIM. And COG Allinetic Range Cuality FLIM. CGG Allinetic Range Cuality FLIM. CGGG Allinetic Range SUGA SWH Range and Backscatter Cuality FLIM. CGGG Allinetic Range and Backscatter Cuality FLIM. CGGG Allinetic Range SUGA SWH Range and Backscatter Cuality FLIM. CGGG Allinetic Range SUGA SWH Range and Backscatter Cuality FLIM. CGGG Allinetic Range SUGA SWH Range and	CS_OFFL_SIR_GOPN_2_20220615T071433_20220615T071705_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Open Lipit, GOPN 2. 202206157080431_202206157080820_C001 OCCG Backscatter Quality PLRM, COCG ABackscatter Quality PLRM, COCGG ABackscatter Quality PLRM, COCGG ABackscatter Quality PLRM, COCG	CS_OFFL_SIR_GOPN_2_20220615T072329_20220615T072641_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OPPE_SIR_GOPN_2_20220615T080491_20220615T080482_0001 OCOG Backscatter Guality more records CS_OPFE_SIR_GOPN_2_20220615T081913_20220615T08194_C001 OCOG Altimeter Range Quality PLM. DCOG Backscatter Quality PLM. DCOG Backscatter Quality PLM. The OCOG Range and Backscatter Quality Flags have been set for one o more records CS_OPFE_SIR_GOPN_2_20220615T090418_20220615T090535_C001 OCCG Altimeter Range Quality PLM. The OCOG Range and Backscatter Quality Flags and Backscatter Quality Flags have been set for one o more records CS_OFFE_SIR_GOPN_2_20220615T090418_20220615T090535_C001 Altimeter Range Quality PLM. The OCOG Range and Backscatter Quality Flags have been and backscatter Quality Flags have been set for one o more records CS_OFFE_SIR_GOPN_2_20220615T095254_20220615T095538_C001 OCCG Altimeter Range Quality PLM. OCCG Backscatter Quality Flags have been set for one o more records CS_OFFE_SIR_GOPN_2_20220615T095526_20220615T095538_C001 The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG 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_OFFE_SIR_GOPN_2_20220615T103514_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags h	CS_OFFL_SIR_GOPN_2_20220615T080228_20220615T080350_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
DS_OFFL_SIR_GOPN_2_20220615T082408_20220615T082752_C001 OCOG Backscatter Quality PLFM, OCOG Backscatter Quality PLFM, OCOG Backscatter Quality PLFM, OCOG Backscatter Quality PLFM, CS_OFFL_SIR_GOPN_2_20220615T08254_20220615T080555_C001 The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T08254_20220615T080555_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLFM, 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 and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Rameer Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T112312_0220615T112455_C001 OCOG A	CS_OFFL_SIR_GOPN_2_20220615T080431_20220615T080820_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
US_OFFL_SIR_GOPN_2_202206151082/52_20201 OCOG Backscatter Quality nore records CS_OFFL_SIR_GOPN_2_20220615T090418_20220615T090535_0001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags Alimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T090525_202001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags The Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_GOPN_2_20220615T095254_20220615T095596_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags The Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_GOPN_2_20220615T095543_20220615T095596_C001 OCEAN Alimeter Range, SSHA, SWH and Backscatter Quality Flags and to exe or more records CS_OFFL_SIR_GOPN_2_20220615T095543_20220615T095596_C001 OCEAN Alimeter Range, SSHA, SWH and Backscatter Quality Flags and to exe or more records CS_OFFL_SIR_GOPN_2_20220615T103514_C001 Alimeter Range and Backscatter Quality Flags and to exe or more records CS_OFFL_SIR_GOPN_2_20220615T104325_20220615T103514_C001 OCCOG Alimeter Range and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_GOPN_2_20220615T112446_C001 OCCOG Alimeter Range and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_GOPN_2_20220615T111844_C001 OCCOG Alime	CS_OFFL_SIR_GOPN_2_20220615T081813_20220615T081944_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
GS_OFFL_SIR_GOPN_2_20220615T090418_20220615T090535_C001 and Backscatter Quality PLRM, COCG Interfer Range and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_GOPN_2_20220615T09329_20220615T094513_C001 OCOG Altimeter Range Quality PLRM, COCG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T095254_20220615T0955308_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T095254_20220615T0955308_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T103350_20220615T103514_C001 Ocean Altimeter Range, SSHA, 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_GOPN_2_20220615T103350_20220615T1103514_C001 Ocean Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T1103154_C001 OCCG Altimeter Range Quality PLRM, OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T113642_20220615T113804_C001 OCCG Altimeter Range Quality PLRM, OCCG Range and Backscatter	CS_OFFL_SIR_GOPN_2_20220615T082408_20220615T082752_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220615T095254_20220615T095308_C001 OCCO Backscatter Quality Inore records CS_OFFL_SIR_GOPN_2_20220615T095254_20220615T095308_C001 Miniteer 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_GOPN_2_20220615T10350_20220615T103514_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 have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T103350_20220615T103514_C001 Ocean Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T1103252_20220615T1104440_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_GOPN_2_20220615T1112311_20220615T1112446_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_GOPN_2_20220615T1113642_20220615T1112455_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Range and Backscatter Quality Flags have been set for one o more records	CS_OFFL_SIR_GOPN_2_20220615T090418_20220615T090535_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20220615T095254_20220615T095308_C001 and Backscatter Quality PLEM, OCOG Altimeter Range Quality PLEM, OCOG Altimeter Range Quality PLEM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_GOPN_2_20220615T1103350_20220615T1104440_C001 OCOG Altimeter Range Quality PLEM, OCOG Altimeter Range Quality PLEM, OCOG Altimeter Range Quality PLEM, OCOG Backscatter Quality PLEM, OCOG Backscatte	CS_OFFL_SIR_GOPN_2_20220615T093929_20220615T094513_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220615T095543_20220615T095559_C001 and Backscatter Quality PLM, OCCG Attimeter Range and Backscatter Quality PLGN, OCCG Attimeter Range, SSHA, SWH and Backscatter Quality PLGN, OCCG Attimeter Range, SSHA, SWH and Backscatter Quality FLGS, and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality FLGS, and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality FLGS, occan Attimeter Range, SSHA, SWH and Backscatter Quality FLGS, and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality FLGS, occan Attimeter Range, Quality PLRM, OCCG Attimeter Range Quality PLRM, OCCG Attimeter Range Quality PLRM, OCCG Attimeter Range Quality PLRM, OCCG Attimeter Range Quality PLRM, OCCG Backscatter Quality FLGS, occan Attimeter Range Quality PLRM, OCCG Attimeter Range Quality PLRM, OCCG Backscatter Quality FLGS, occan Attimeter Range Quality PLRM, OCCG Attimeter Range, SSHA, SWH and Backscatter Quality FLGS, occan Attimeter Range Quality PLRM, OCCG Attimeter Range, Quality PLRM, OCCG Backscatter Quality FLGS, occan Attimeter Range, SSHA, SWH and Backscatter Quality FLGS, and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality FLGS, occan Attimeter Range, SSHA, SWH and Backscatter Quality FLGS, occean Attimeter Range, and Backscatter Quality FLGS, occan Attimet	CS_OFFL_SIR_GOPN_2_20220615T095254_20220615T095308_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20220615T103350_20220615T103514_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T104325_20220615T104440_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T112311_20220615T112446_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T113642_20220615T113804_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T121329_20220615T112455_C001 OCOG Altimeter Range, Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T121329_20220615T121455_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been pLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T131145_20220615T131216_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Ba	CS_OFFL_SIR_GOPN_2_20220615T095543_20220615T095559_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_202206151104325_202206151104440_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_20220615T112311_20220615T112446_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_GOPN_2_20220615T113642_20220615T113804_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_GOPN_2_20220615T121329_20220615T121455_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_GOPN_2_20220615T131145_20220615T131216_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_GOPN_2_20220615T131145_20220615T131216_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_GOPN_2_20220615T131642_20220615T131646_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter	CS_OFFL_SIR_GOPN_2_20220615T103350_20220615T103514_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20220615T11241E_20220615T112446_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_20220615T113642_20220615T113804_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_20220615T121329_20220615T121455_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range 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_GOPN_2_20220615T131145_20220615T131216_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscat	CS_OFFL_SIR_GOPN_2_20220615T104325_20220615T104440_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220615T121329_20220615T121455_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPN_2_20220615T121329_20220615T121455_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality set for one or more records CS_OFFL_SIR_GOPN_2_20220615T131145_20220615T131216_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM The OCCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPN_2_20220615T131642_20220615T131646_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags more records	CS_OFFL_SIR_GOPN_2_20220615T112311_20220615T112446_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220615T121329_20220615T121455_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality set for one or more records CS_OFFL_SIR_GOPN_2_20220615T131145_20220615T131216_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_20220615T131642_20220615T131646_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPN_2_20220615T113642_20220615T113804_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220615T131642_20220615T131646_C001 OCOG Backscatter Quality OCean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Fla	CS_OFFL_SIR_GOPN_2_20220615T121329_20220615T121455_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20220615T131642_20220615T131646_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Plags have been	CS_OFFL_SIR_GOPN_2_20220615T131145_20220615T131216_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
PLRM set for one or more records	CS_OFFL_SIR_GOPN_2_20220615T131642_20220615T131646_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20220615T135313_20220615T135540_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_GOPN_2_20220615T135313_20220615T135540_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPN_2_20220615T153353_20220615T153628_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_20220615T153821_20220615T154114_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_20220615T154255_20220615T154446_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_20220615T161422_20220615T161553_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_20220615T163433_20220615T163551_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_20220615T180325_20220615T180428_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_20220615T181158_20220615T181427_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_20220615T181623_20220615T181745_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_20220615T183106_20220615T183358_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_20220615T192820_20220615T193134_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_20220615T193227_20220615T193350_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_20220615T194744_20220615T195233_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_20220615T195342_20220615T195456_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_20220615T211215_20220615T211321_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_20220615T225719_20220615T225734_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_20220615T235017_20220615T235330_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_20220615T235846_20220615T235958_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_20220615T000146_20220615T000234_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_20220615T003731_20220615T004047_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_20220615T005042_20220615T005311_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_20220615T021603_20220615T021800_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_20220615T022930_20220615T023305_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_20220615T031159_20220615T031912_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_20220615T035116_20220615T035210_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_20220615T035533_20220615T035607_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_20220615T042645_20220615T042853_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_20220615T045114_20220615T045842_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_20220615T051747_20220615T051816_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_20220615T051818_20220615T052023_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_20220615T055154_20220615T055216_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_20220615T055219_20220615T055504_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_20220615T062229_20220615T062446_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_20220615T062957_20220615T063654_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_20220615T063703_20220615T063717_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_20220615T065049_20220615T065129_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_20220615T080820_20220615T081700_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_20220615T090535_20220615T090749_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_20220615T094513_20220615T095254_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_20220615T095505_20220615T095543_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_20220615T104440_20220615T104746_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_20220615T112236_20220615T112311_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_20220615T112446_20220615T113107_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_20220615T121106_20220615T121329_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_20220615T130135_20220615T130249_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_20220615T130252_20220615T131007_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_20220615T134934_20220615T135313_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_20220615T140247_20220615T140625_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_20220615T144415_20220615T144904_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_20220615T152654_20220615T153353_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_20220615T154446_20220615T154551_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_20220615T162151_20220615T162747_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_20220615T165128_20220615T165341_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_20220615T173912_20220615T174051_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_20220615T175621_20220615T175657_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_20220615T180428_20220615T180518_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_20220615T180518_20220615T180831_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_20220615T181042_20220615T181158_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_20220615T184930_20220615T185119_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_20220615T192742_20220615T192820_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records				
L2 Quality Flags (1 Hz & 1 Hz PLRM)						
Currently, there are several common flags raised in the Level 2 products, which are summarised below.						

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

204

59

164

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: 0

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric 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_20220614T235510_20220615T004446_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_20220615T004446_20220615T013424_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_20220615T022400_20220615T031338_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_20220615T031338_20220615T040314_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

	1	1
CS_OFFL_SIR_GOP_2_20220615T040314_20220615T045252_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_20220615T045252_20220615T054229_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_20220615T054229_20220615T063206_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_20220615T063206_20220615T072143_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_20220615T072143_20220615T081121_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_20220615T081121_20220615T090057_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_20220615T090057_20220615T095035_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_20220615T095035_20220615T104011_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_20220615T104011_20220615T112949_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_20220615T112949_20220615T121926_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_20220615T121926_20220615T130903_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_20220615T130903_20220615T135840_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_20220615T135840_20220615T144817_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_20220615T144817_20220615T153754_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_20220615T153754_20220615T162732_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_20220615T162732_20220615T171708_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220615T171708_20220615T180646_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_20220615T180646_20220615T185622_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20220615T185622_20220615T194600_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_20220615T194600_20220615T203537_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_20220615T203537_20220615T212514_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_20220615T212514_20220615T221451_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20220615T221451_20220615T230429_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_20220615T230429_20220615T235405_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20220615T235405_20220616T004343_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
6.5. P2P. Magaurament Confidence Data Check		

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.

30

29

Number o	f prod	lucts	with	errors:

P2P Quality Flags (20 Hz PLRM)

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:

P2P Quality Flags (1 Hz & 1 Hz PLRM)

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

27

30

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.

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

Number of products with errors:

P2P Retracking Flags PLRM

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

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

2

Number of products with errors:

7. GOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	151	151	3	148	0
SIR_GOPR1B	134	134	0	134	0
SIR_GOPN1B	105	105	4	101	0
SIR_GOPM_2	151	151	95	56	0
SIR_GOPR_2	132	132	41	91	0
SIR_GOPN_2	105	105	34	70	1
SIR_GOP_P2P	29	29	0	28	1

7.1 QCC Errors

Number of QCC reports with errors:

					Total number	of occurrences	of each error				
Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
SIR_GOPN_2	1	1	1	1	1	1					
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOP_2_	1	1	1	1							

Test Description Key:	fest Description Key:					
Abbreviation	Test name	Details				
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7				
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6				
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7				
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7				

7.2 QCC Warnings

				per of occurrences of ea				
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMN	
SIR_GOPM1B	148	0	0	0	0	0	0	
SIR_GOPM_2	0	0	40	37	0	37	0	
SIR_GOPN1B	100	0	0	0	0	0	0	
SIR_GOPN_2	0	1	12	34	2	23	28	
SIR_GOPR1B	131	0	0	0	0	0	0	
SIR_GOPR_2	0	0	38	48	1	31	29	
Product Type	RBSZOPOEPNCDF	RLPTONCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF				
SIR GOPM1B	0	0	0	0	0	0	0	
SIR GOPM 2	31	0	1	31	0	0	0	
SIR_GOPM_2	0	0	0	0	0	0	0	
-	17	0	-	0	0		•	
SIR_GOPN_2		1	0	0	0	26	0	
SIR_GOPR1B	0	0	0	0	0	0	0	
SIR_GOPR_2	15	18	2	0	54	0	59	
Product Type	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	
SIR GOPM1B	0	0	0	0	0	0	0	
SIR GOPM 2	0	25	0	0	7	29	0	
SIR GOPN1B	0	0	0	0	0	0	0	
SIR GOPN 2	33	0	0	30	20	45	58	
SIR GOPR1B	0	0	0	0	0	0	0	
SIR GOPR 2	0	0	52	0	4	68	41	
	•	-	-	-				
Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	
SIR_GOPM1B	0	0	0	0	0	0	0	
SIR_GOPM_2	2	35	0	1	0	0	0	
SIR_GOPN1B	0	0	0	0	0	48	1	
SIR_GOPN_2	29	26	28	10	2	0	0	
SIR GOPR1B	0	0	0	0	0	134	4	
SIR_GOPR_2	7	38	53	5	0	0	0	
Due due t Toma	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCI	DRCZOBOEDNODE	
Product Type			29	MVIONCDF	29	18	28	
SIR_GOP_2_	15	29	29	4	29	18	28	
Product Type	RLPTONCDF	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	
SIR_GOP_2_	26	3	17	29	21	23	29	
Product Type	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	PSWHOEPNODE	SPHLPQWNCDF	_	
SIR GOP 2	18	25	29	19	14	29		
est Description Key				Dataila				
bbreviation	Test name			Details				
		BurstCounterStep20HzNetCDF						

IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RLPTONCDF	RangeLongPeriodTideOceanNetCDF	The Long period tide height should be between -50mm and 50mm (or missing) for surface type = ocean
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0