

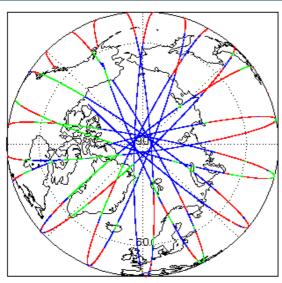
1. Overview

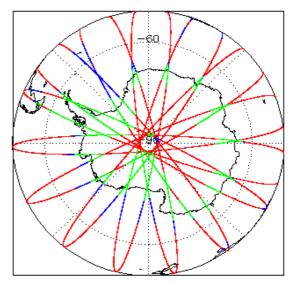
Report Production:	11-Mar-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

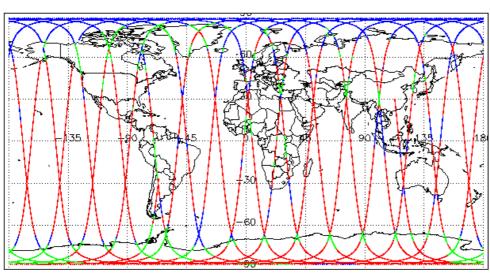
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1 and 7.2

Mission	/ Instru	ment News
07-Feb	0-2022	None
08-Feb	o-2022	None
09-Feb	o-2022	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

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).

4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B GOPR and GOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

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 validity 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 problems when set.

Number of products with errors:

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4.5 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.

Attitude Correction Missing: This flag is currently set in error for GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

 Product
 Test Failed
 Description

 CS_OFFL_SIR_GOPM1B_20220208T020342_20220208T022955_C001
 Power scaling error
 There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.

Loss of Echo Flag: This flag is currently set for some products over land, but this is to be expected.

Number of products with errors:

21

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220208T000750_20220208T000859_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220208T094753_20220208T094941_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220208T201432_20220208T202102_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220208T202112_20220208T204710_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220208T000648_20220208T000750_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220208T033934_20220208T034228_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220208T060056_20220208T060153_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220208T101502_20220208T101646_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220208T115329_20220208T115942_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220208T223835_20220208T223956_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220208T003954_20220208T004450_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220208T024358_20220208T024819_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220208T041805_20220208T043025_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220208T072901_20220208T073009_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220208T093119_20220208T093354_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220208T101646_20220208T102007_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220208T110628_20220208T110801_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220208T113635_20220208T113747_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220208T123159_20220208T123423_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220208T173419_20220208T174039_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220208T234846_20220208T235025_C001	Loss of Echo	The tracking echo is missing for one or more records

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 ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc).

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

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5.4 L2 Auxiliary Correction Error Check

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220208T023920_20220208T023951_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20220208T142620_20220208T142910_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_GOPM_2_20220208T174354_20220208T174533_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20220208T235232_20220209T000234_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_20220208T000648_20220208T000750_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_20220208T000859_20220208T001451_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_20220208T010832_20220208T011055_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T015115_20220208T015307_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T024329_20220208T024358_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_20220208T024819_20220208T025253_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T033054_20220208T033232_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_20220208T051048_20220208T051431_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T065019_20220208T065336_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T065848_20220208T070013_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_20220208T074109_20220208T074205_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T083756_20220208T083903_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_20220208T092013_20220208T092129_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T105525_20220208T110043_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T115329_20220208T115942_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T133254_20220208T133611_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_20220208T141404_20220208T141754_C001	Mean Dynamic Topography (1) Mean Sea Surrace (1), Mean Dynamic	There is an error with the Mean Dynamic Topography (solution 1) for one or more records I nere is an error with the Mean Dynamic Solution 1), the Mean Dynamic
CS_OFFL_SIR_GOPN_2_20220208T154837_20220208T155447_C001	Topography (1), Total Geocentric Ocean	Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20220208T164318_20220208T164441_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_20220208T165257_20220208T165415_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_20220208T175241_20220208T175450_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_20220208T182949_20220208T183259_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T192600_20220208T192719_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_20220208T200243_20220208T200415_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_20220208T200849_20220208T201218_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T214328_20220208T214603_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T223835_20220208T223956_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220208T231853_20220208T232452_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_GOPN_2_20220208T233207_20220208T233345_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_20220208T010219_20220208T010832_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_20220208T023951_20220208T024212_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_20220208T024358_20220208T024819_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_20220208T041805_20220208T043025_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_20220208T060153_20220208T060940_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_20220208T074205_20220208T075220_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_20220208T092129_20220208T092849_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_20220208T103610_20220208T103805_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220208T110043_20220208T110603_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_20220208T123931_20220208T124008_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_20220208T124008_20220208T124546_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_20220208T124548_20220208T124623_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_20220208T141754_20220208T142620_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_20220208T155447_20220208T160347_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_20220208T173419_20220208T174039_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_20220208T174039_20220208T174354_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_20220208T174533_20220208T174708_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_20220208T175207_20220208T175241_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_20220208T190945_20220208T191939_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_20220208T191939_20220208T192113_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_20220208T205213_20220208T205837_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_20220208T205837_20220208T210006_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_20220208T223154_20220208T223723_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_20220208T223723_20220208T223835_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_20220208T230101_20220208T230315_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220208T020342_20220208T022955_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

COUNT JAIR COMPLET SECRETION FOR JACKS STORM CONTROL C	Product	Test Failed	Description
Secretary Carly Company of the Company of Secretary Carly Figure 1 and	CS_OFFL_SIR_GOPM_2_20220208T000750_20220208T000859_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_CRIT_SR_COPM_2_02222000100000_200000000000000000000	CS_OFFL_SIR_GOPM_2_20220208T001451_20220208T001756_C001		
ord Basicalitis Cally, COCO American Prays of the COCO American Prays of Basicalitis Cally Page Name Page CS_OFT_SR_COM22220000T00397_200000T00390_0000 CS_OFT_SR_COM2220000T00397_200000T00390_0000 CS_OFT_SR_COM2220000T00397_2000000T00390_00000T00390_00000T00390_00000T00390_00000T00390_000000T00390_00000T00390_00000T00390_00000T00390_00000T00390_00000T00390_00000T00390_00000T00390_00000T00390_00000T00390_00000T00390_00000T00390_00000T00390_00000T00390_00000T00390_00000T00390_000000T00390_000000T00390_000000T00390_000000T00390_000000T00390_000000T00390_0000000T00390_0000000000	CS_OFFL_SIR_GOPM_2_20220208T001800_20220208T002233_C001		
CS OFFL SIR COPM 2 2022009T00005 2022000T00000 C001 COD Altimore Range and Dissocuter Unity of the control Range are Baseconer Catalty Flags have been set to common the control Range and Baseconer Catalty Flags have been set to common the control Range and Baseconer Catalty Flags have been set to common the control Range and Baseconer Catalty Flags have been set to common the common the common the control Range and Baseconer Catalty Flags have been set to common the c	CS_OFFL_SIR_GOPM_2_20220208T002426_20220208T003922_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
South Lain Colfe. 2 decident licenses (Lotter September 1) and colfered and colfered licenses (Lotter September 1) and colfered licenses (Lotter September	CS_OFFL_SIR_GOPM_2_20220208T003937_20220208T003954_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
SQ_OFF_SIR_GOPM_2_90000000111769_8000000010101010204_COOR OFF_SIR_GOPM_2_900000000111769_8000000010101010204_COOR OFF_SIR_GOPM_2_90000000011010007_80000000010101010204_COOR Althrester Reage_SIRA_SIRA_SIRA_sira_and Backecater Castly Flogrand Backecater Castly Fl	CS_OFFL_SIR_GOPM_2_20220208T005851_20220208T005950_C001		
SC OFFL SIRL COPM 2 20200061101732 202000611010173 20200061101732 20200061101732 20200061101732 20200061101732 20200061101732 20200061101732 20200061101732 20200061101732 20200061101732 20200061101732 20200061101732 20200061101732 20200061101732 20200061101732 20200061101732 20200061101732 202000611010173 202000611010173 202000611010173 202000611010173 20200061101	CS_OFFL_SIR_GOPM_2_20220208T005952_20220208T005958_C001		
CS_OFFL_SIR_OOPM_2_2022020817015012_2022020817015028_COOI CS_OFFL_SIR_OOPM_2_2022020817015012_202020817015028_COOI CS_OFFL_SIR_OOPM_2_202202081702013_2020081702085_COOI CS_OFFL_SIR_OOPM_2_202202081703013_2020081702085_COOI CS_OFFL_SIR_OOPM_2_202202081703013_2020081702083_COOI CS_OFFL_SIR_OOPM_2_202202081703013_2020081702083_COOI CS_OFFL_SIR_OOPM_2_202202081703013_20200817030302_2_20200817030303_COOI CS_OFFL_SIR_OOPM_2_2022020817030303_2_20200817030303_COOI CS_OFFL_SIR_OOPM_2_2022020817030303_COOI CS_OFFL_SIR_OOPM_2_2022020817030303	CS_OFFL_SIR_GOPM_2_20220208T011752_20220208T012504_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS OFFL SIR QOPM 2 202202091029526 20220209102959 CODI CS OFFL SIR QOPM 2 202202091029542 20220209102959 CODI CS OFFL SIR QOPM 2 202202091029542 20220209102959 CODI CS OFFL SIR QOPM 2 202202091029542 20220209102959 CODI CS OFFL SIR QOPM 2 2022020910295913 202202091029599 CODI CS OFFL SIR QOPM 2 2022020910295913 202202091029599 CODI CS OFFL SIR QOPM 2 202202091029599 202202091029599 CODI CS OFFL SIR QOPM 2 202202091039594 CODI CS OFFL SIR QOPM 2 202202091039594 CODI CS OFFL SIR QOPM 2 202202091039599 202202091039594 CODI CS OFFL SIR QOPM 2 202202091039599 202202091039594 CODI CS OFFL SIR QOPM 2 202202091039599 202202091039594 CODI CS OFFL SIR QOPM 2 202202091039594 CODI CS OFFL SIR QOPM 2 202202091039599 202202091039594 CODI CS OFFL SIR QOPM 2 202202091039595 CODI CS OFFL SIR QOPM 2 202202091039594 CODI CS OFFL SIR QOPM 2 202202091039595 CODI CS OFFL SIR QOPM 2 202202091039590 CODI CS OFF	CS_OFFL_SIR_GOPM_2_20220208T012532_20220208T015042_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality To one or more records CS_OFFL_SIR_GOPM_2_20220208T0293913_20220208T029392_0001 CS_OFFL_SIR_GOPM_2_20220208T0293913_20220208T029392_0001 CS_OFFL_SIR_GOPM_2_20220208T0293913_20220208T029392_0001 CS_OFFL_SIR_GOPM_2_20220208T0293913_20220208T029392_0001 CS_OFFL_SIR_GOPM_2_20220208T0203913_20220208T029392_0001 CS_OFFL_SIR_GOPM_2_20220208T030302_20220208T029392_0001 CS_OFFL_SIR_GOPM_2_20220208T030302_20220208T0303934_C001 CS_OFFL_SIR_GOPM_2_20220208T030302_20220208T0303934_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T0303934_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T0303934_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T0303934_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T0303034_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T0303034_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T0303034_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T0303034_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T030303_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T030303_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T030303_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T030303_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T030303_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T030303_C001 CS_OFFL_SIR_GOPM_2_20220208T030303_20220208T030303_C001 CS_OFFL_SIR_GOPM_2_20220208T035303_20220208T0503030_C001 CS_OFFL_SIR_GOPM_2_20220208T053031_2020208T0503032_C001 CS_OFFL_SIR_GOPM_2_20220208T055303_20220208T0505030_C001 CS_OFFL_SIR_GOPM_2_20220208T055303_20220208T0505030_C001 CS_OFFL_SIR_GOPM_2_20220208T055303_20220208T0505030_C001 CS_OFFL_SIR_GOPM_2_20220208T055303_20220208T0505030_C001 CS_OFFL_SIR_GOPM_2_20220208T055303_20220208T0505030_C001 CS_OFFL_SIR_GOPM_2_20220208T055303_20220208T0505003_C001 CS_OFFL_SIR_GOPM_2_20220208T055303_20220208T0505003_C001 CS_OFFL_SIR_GOPM_2_20220208T055303_20220208T0505003_C001 CS_OFFL_SIR_GOPM_2_20220208T055303_20220208T0505003_C001 CS_OFFL_SIR_GOPM_2_20220208T055303_20220208T0505003_C001 CC_OFFL_SIR_GOPM_2_20220208T055303_202	CS_OFFL_SIR_GOPM_2_20220208T015307_20220208T015523_C001		
and Backscatter Cuality. COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T02913_2022028T02929_C001 CS_OFFL_SIR_GOPM_2_20220208T030292_2022028T039394_C001 CS_OFFL_SIR_GOPM_2_20220208T030292_2022028T039394_C001 CS_OFFL_SIR_GOPM_2_20220208T030393_2022028T039394_C001 CS_OFFL_SIR_GOPM_2_20220208T030393_2022028T039394_C001 CS_OFFL_SIR_GOPM_2_20220208T030393_2022028T039394_C001 CS_OFFL_SIR_GOPM_2_20220208T030393_2022028T039394_C001 CS_OFFL_SIR_GOPM_2_20220208T030393_2022028T039394_C001 CS_OFFL_SIR_GOPM_2_20220208T03428_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T03428_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T03428_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041036_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041238_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041238_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T04356_2022028T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050806_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T050806_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T058986_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T058986_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T058986_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T058986_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T058986_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T058986_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T058986_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T058986_C001 CS_OFFL_SI	CS_OFFL_SIR_GOPM_2_20220208T015526_20220208T020130_C001		
CS_OFFL_SIR_GOPM_2_20220208T030202_20220208T032292_C001 CS_OFFL_SIR_GOPM_2_20220208T030202_20220208T032292_C001 CS_OFFL_SIR_GOPM_2_20220208T030202_20220208T032292_C001 CS_OFFL_SIR_GOPM_2_20220208T030202_20220208T032924_C001 CS_OFFL_SIR_GOPM_2_20220208T033519_20220208T033934_C001 CS_OFFL_SIR_GOPM_2_20220208T034228_20220208T041001_C001 Altimeter Range and Backscatter Quality. COGG Altimeter Range Range. SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041228_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041228_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T050838_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T050838_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T050838_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T050812_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T050818_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T050818_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T050818_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050818_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050818_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050820_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050820_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050820_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050820_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050820_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050820_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050820_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050820_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T050820_C001 CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T056848_C001 CCOA_Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T05511_20220208T056848_C001 CCOA_Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOA_Altimeter Range and Backscatter Quality Flags have been set for one or mo	CS_OFFL_SIR_GOPM_2_20220208T020342_20220208T022955_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOS Altimeter Range and Backscatter Quality, Set for one or records CS_OFFL_SIR_GOPM_2_20220208T033519_20220208T033934_C001 CS_OFFL_SIR_GOPM_2_20220208T03428_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T03428_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T052012_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T052012_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052754_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052802_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052802_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052802_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052802_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T050808_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T050808_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T0508802_C001 CCC_OFFL_SIR_GOPM_2_20220208T055911_20220208T050808_C001 CCC_OFFL_SIR_GOPM_2_20220208T055911_20220208T0508	CS_OFFL_SIR_GOPM_2_20220208T023913_20220208T023920_C001	0 27	
CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041001_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041238_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041238_C001 CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T043536_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T043536_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T052012_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052754_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T055980_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T0559810_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T065988_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T065988_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T065988_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T065988_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T065988_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T065988_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T065988_C001 CS_OFFL_SIR_GOPM_2_20220208T065911_20220208T065988_C001 CS_OFFL_SIR_GOPM_2_20220208T065938_20220208T065988_C001 CS_OFFL_SIR_GOPM_2_20220208T065938_20220208T065988	CS_OFFL_SIR_GOPM_2_20220208T030202_20220208T032929_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T055312_20208T064816_C001 CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T064816_C001 CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 CS_OFF	CS_OFFL_SIR_GOPM_2_20220208T033519_20220208T033934_C001		
Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T043536_20220208T050836_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T052012_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T052012_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T052012_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T052012_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052754_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052754_C001 CS_OFFL_SIR_GOPM_2_20220208T055810_20220208T055820_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T0505820_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T060018_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T060018_C001 CS_OFFL_SIR_GOPM_2_20220208T065338_20220208T064816_C001 CS_OFFL_SIR_GOPM_2_20220208T065338_20220208T065848_C001 CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T0702021_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T070030_202008T070030_202008T070030_202008T070030_202008T070030_202008T070030_202	CS_OFFL_SIR_GOPM_2_20220208T034228_20220208T041001_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T052012_C001 CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T052012_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052754_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052754_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052754_C001 CS_OFFL_SIR_GOPM_2_20220208T055810_20220208T05820_C001 CS_OFFL_SIR_GOPM_2_20220208T055810_20220208T058820_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T060018_C001 CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T064816_C001 CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T070030_20220208T0700201_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T0700201_C001 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_GOPM_2_20220208T041054_20220208T041238_C001		
Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052754_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052754_C001 CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052754_C001 CS_OFFL_SIR_GOPM_2_20220208T055810_20220208T055820_C001 CS_OFFL_SIR_GOPM_2_20220208T055810_20220208T055820_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T065018_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T060018_C001 CS_OFFL_SIR_GOPM_2_20220208T065338_20220208T064816_C001 CS_OFFL_SIR_GOPM_2_20220208T065338_20220208T065848_C001 CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T0700201_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_202008T072021_C001 CS_OFFL_SIR_GOPM_2_20220208T070	CS_OFFL_SIR_GOPM_2_20220208T043536_20220208T050836_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T055810_20220208T055820_C001 CS_OFFL_SIR_GOPM_2_20220208T055810_20220208T055820_C001 CS_OFFL_SIR_GOPM_2_20220208T055810_20220208T055820_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T060018_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T060018_C001 CS_OFFL_SIR_GOPM_2_20220208T061338_20220208T064816_C001 CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001 CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T0702021_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 And Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021	CS_OFFL_SIR_GOPM_2_20220208T051431_20220208T052012_C001		
Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T060018_C001 CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T060018_C001 CS_OFFL_SIR_GOPM_2_20220208T061338_20220208T064816_C001 CS_OFFL_SIR_GOPM_2_20220208T061338_20220208T064816_C001 CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001 CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 Backscatter Quality Coean 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 The Ocean Altimeter Range 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 The Ocean Altimeter Range 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 The Ocean Altimeter Range 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 The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20220208T052132_20220208T052754_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T060018_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Cs_OFFL_SIR_GOPM_2_20220208T061338_20220208T064816_C001 Cs_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001 Cs_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001 Cs_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 Cs_OFFL_SIR_GOPM_2_20220208T072030_202008T072021_C001 Cs_OFFL_SIR_GOPM_2_20220208T072030_202008T072021_C001 Cs_OFFL_SIR_GOPM_2_20220208T072030_202008T072021_C001 Cs_OFFL_SIR_GOPM_2_20220208T072030_202008T072031_C001 Cs_OFFL_SIR_GOPM_2_20220208T072030_202008T072031_C001 Cs_OFFL_SIR_GOPM_2_2022008T072030_202008T072031_C001 Cs_OFFL_SIR_GOPM_2_2022008T072030_202008T072031_C001 Cs_OFFL_SIR_GOPM_2_2022008T072030_202008T072031_C001	CS_OFFL_SIR_GOPM_2_20220208T055810_20220208T055820_C001		
CS_OFFL_SIR_GOPM_2_20220208T061338_20220208T064816_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_202008T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_202008T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_202008T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_202008T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_202008T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_202008T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_202008T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_20208T072001_C001 CS_OFFL_SIR_GOPM_2_2022008T072030_20208T072001_C001 CS_OFFL_SIR_GO	CS_OFFL_SIR_GOPM_2_20220208T055911_20220208T060018_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_20208T072021_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_20208T072021_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_20208T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_20208T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_20208T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_20208T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072030_20208T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072008T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072008T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072008T072001_C001 CS_OFFL_SIR_GOPM_2_20220208T072001_C001 CS_OFFL_SIR_	CS_OFFL_SIR_GOPM_2_20220208T061338_20220208T064816_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_GOPM_2_20220208T065336_20220208T065848_C001		
	CS_OFFL_SIR_GOPM_2_20220208T070030_20220208T072021_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20220208T072339_20220208T072901_C001		

CS_OFFL_SIR_GOPM_2_20220208T075220_20220208T082613_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_20220208T083343_20220208T083756_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_20220208T083952_20220208T090723_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_20220208T090737_20220208T091607_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_20220208T091846_20220208T092013_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_20220208T093354_20220208T093427_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_20220208T093453_20220208T094313_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_20220208T094753_20220208T094941_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_20220208T095010_20220208T095834_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_20220208T100035_20220208T100542_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_20220208T100716_20220208T101236_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_20220208T101255_20220208T101502_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_20220208T102349_20220208T103610_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_20220208T103805_20220208T104639_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_20220208T104806_20220208T105010_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_20220208T105231_20220208T105452_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_20220208T110916_20220208T110932_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_20220208T111743_20220208T112714_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_20220208T112917_20220208T113635_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_20220208T113747_20220208T114444_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_20220208T114643_20220208T115137_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_20220208T115212_20220208T115329_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_20220208T120933_20220208T120939_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_20220208T121931_20220208T122552_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_20220208T122722_20220208T123036_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_20220208T125125_20220208T125134_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CO CAPIL SIR COPPL 2 202000FT 19855 202000FT 19855 202000FT 1985 0000 Afferded Rays 500, 301 Afferded Rays 500, 30	CS_OFFL_SIR_GOPM_2_20220208T130732_20220208T132402_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
CQ_OFF_SR_QOM_2_2020209T14054_2000 Q_OFF_SR_QOM_2_2020209T14054_2000 Q_OFF_SR_QOM_2_2020209T14054_2000 Q_OFF_SR_QOM_2_2020209T14054_2000 Q_OFF_SR_QOM_2_2020209T14054_2000 Q_OFF_SR_QOM_2_2020209T14054_2000 Q_OFF_SR_QOM_2_2020209T14054_2000 Q_OFF_SR_QOM_2_2020209T14054_2000 Q_OFF_SR_QOM_2_2020209T14054_2000 Q_OFF_SR_QOM_2_2020209T14054_2000 Q_OFF_SR_QOM_2_2020209T14054_200000T1806_2000 Q_OFF_SR_QOM_2_2020209T14054_20000T1806_2000 Q_OFF_SR_QOM_2_2020209T1806_2000 Q_OFF_SR_QOM_2_2020209T1806_2000 Q_OFF_SR_QOM_2_2	CS_OFFL_SIR_GOPM_2_20220208T132626_20220208T133106_C001		
Self-Big GOPM_2 8000008714018_00000888115007_0001 Object Big GOPM_2 8000008714018_0000888115007_0001 Object Big GOPM_2 8000008714018_0000888115007_0001 Object Big GOPM_2 8000008714018_0000888115007_0001 Object Big GOPM_2 80000087140018_0000888115007_0001 Object Big GOPM_2 8000008714018_0000888115007_0001 Object Big GOPM_2 8000008714018_0000888115000888115007_0001 Object Big GOPM_2 8000008714018_000088811500088811	CS_OFFL_SIR_GOPM_2_20220208T133655_20220208T140039_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFTL_SIN_COPM_2_1622898T19057_6222898T19050_0001 CS_OFTL_SIN_COPM_2_1622898T19057_6222898T19050_0001 CS_OFTL_SIN_COPM_2_1622898T19057_6222898T19050_0001 CS_OFTL_SIN_COPM_2_1622898T19050_0002898T19050_0001 CS_OFTL_SIN_COPM_2_1622898T19050_0002898T19050_0001 CS_OFTL_SIN_COPM_2_1622898T19050_0002898T19050_0001 CS_OFTL_SIN_COPM_2_1622898T19050_00002898T19050_0001 CS_OFTL_SIN_COPM_2_1622898T19050_0000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20220208T140059_20220208T141157_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Secretary County CR_OPPL_SR_GOPM_2_PERSONNELS (2022/20091151600_COST Company Comp	CS_OFFL_SIR_GOPM_2_20220208T143705_20220208T150347_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Decision of the Control of the Contr	CS_OFFL_SIR_GOPM_2_20220208T150537_20220208T151007_C001		
OS_OFFL_SIR_GOPM_2_20202008T19509_20202008T19509_CODID and Related Enter Guardy Code Significant Flags and Salescater Country Code Significant Flags and Significant Country Code Significant Code Significant Flags and Significant Country Code Significant Code Significant Flags and Significant Country	CS_OFFL_SIR_GOPM_2_20220208T151027_20220208T151351_C001	3,	
Dear Allimeter Range, SSHA, SWH and Backscatter Quality (DOC Allimeter Range and Backscatter Quality (Page Nave been set for some increase). CS_OFFL_SIR_GOPM_2_20220208116932_2022081172042_C001 CS_OFFL_SIR_GOPM_2_202202081176530_2022081172042_C001 CS_OFFL_SIR_GOPM_2_202202081176530_202202081176030_C001 CS_OFFL_SIR_GOPM_2_202202081176530_202202081176030_C001 CS_OFFL_SIR_GOPM_2_202202081176530_202202081176030_C001 CS_OFFL_SIR_GOPM_2_20220208118030_C001 CS_OFFL_SIR_GOPM_2_20220208118030_C002081182040_C001 CS_OFFL_SIR_GOPM_2_20220	CS_OFFL_SIR_GOPM_2_20220208T151610_20220208T154348_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Causity. CS_OFFL_SIR_GOPPM_2_20220208T182204_20220208T164312_C001 Altimater Range and Backscatter Causity. CS_OFFL_SIR_GOPPM_2_20220208T18204_20220208T164312_C001 CS_OFFL_SIR_GOPPM_2_20220208T18204_20220208T164312_C001 CS_OFFL_SIR_GOPPM_2_20220208T182035_20220208T164322_C001 CS_OFFL_SIR_GOPPM_2_20220208T182035_20220208T180830_C001 CS_OFFL_SIR_GOPPM_2_20220208T18033_20220208T180830_C001 CS_OFFL_SIR_GOPPM_2_20220208T18034_202008T180830_C001 CS_OFFL_SIR_GOPPM_2_20220208T180340_C001 CS_OFFL_SIR_GOPPM_2_20220208T190340_C001 CS_OFFL_SIR_GOPPM_2_20220208T190340_C001 CS_OFFL_SIR_GOPPM_2_20220208T190340_C001 CS_OFFL_SIR_GOPPM_2_20220208T190340_C001 CS_OFFL_SIR_GOPPM_2_2022	CS_OFFL_SIR_GOPM_2_20220208T161228_20220208T161503_C001	3,	
and flackscatter Quality COG Spril_SIR_GOPM_2_20220208T164441_2022028T164322_0001 OCS_OFFI_SIR_GOPM_2_20220208T164441_2022028T164322_0001 OCS_OFFI_SIR_GOPM_2_20220208T164441_2022028T164322_0001 OCS_OFFI_SIR_GOPM_2_20220208T164344_2022028T174334_00001 OCS_OFFI_SIR_GOPM_2_20220208T174334_2022028T174333_0001 OCS_OFFI_SIR_GOPM_2_20220208T174334_2022028T174333_0001 OCS_OFFI_SIR_GOPM_2_20220208T174334_2022028T174333_0001 OCS_OFFI_SIR_GOPM_2_20220208T174334_2022028T174334_00001 OCS_OFFI_SIR_GOPM_2_20220208T174334_2022028T174334_00001 OCS_OFFI_SIR_GOPM_2_20220208T181594_2022028T174334_00001 OCS_OFFI_SIR_GOPM_2_20220208T181594_2022028T18234_0001 OCS_OFFI_SIR_GOPM_2_20220208T181594_2022028T18234_0001 OCS_OFFI_SIR_GOPM_2_20220208T182332_2022028T18234_0001 OCS_OFFI_SIR_GOPM_2_20220208T182342_0001 OCS_OFFI_SIR_GOPM_2_20220208T182342_0001 OCS_OFFI_SIR_GOPM_2_20220208T182342_0001 OCS_OFFI_SIR_GOPM_2_20220208T182342_0001 OCS_OFFI_SIR_GOPM_2_20220208T182342_0001 OCS_OFFI_SIR_GOPM_2_20220208T182342_00001 OCS_OFFI_SIR_GOPM_2_20220208T182342_00001 OCS_OFFI_SIR_GOPM_2_20220208T182342_00001 OCS_OFFI_SIR_GOPM_2_20220208T182342_00001 OCS_OFFI_SIR_GOPM_2_20220208T182342_00001 OCS_OFFI_SIR_GOPM_2_20220208T182342_00001 OCS_OFFI_SIR_GOPM_2_20220208T182342_00001 OCS_OFFI_SIR_GOPM_2_20220208T182342_00001 OCS_OFFI_SIR_GOPM_2_20220208T182342_000001 OCS_OFFI_SIR_GOPM_2_20220208T182342_00208T182303_0001 OCS_OFFI_SIR_GOPM_2_20220208T182343_00208T182303_0001 OCS_OFFI_SIR_GOPM_2_20220208T182304_00208T182303_0001 OCS_OFFI_SI	CS_OFFL_SIR_GOPM_2_20220208T161552_20220208T162201_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T18559_20220208T17304Q_CO01 CS_OFFL_SIR_GOPM_2_20220208T18559_20220208T17304Q_CO01 CS_OFFL_SIR_GOPM_2_20220208T18359_20220208T18030_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_20220208T18030_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_20220208T18030_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_20220208T18030_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_20220208T18030_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_20220208T18030_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_20220208T18030_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_20220208T182249_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_20220208T182249_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_20220208T182249_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_20220208T182349_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_202208T182349_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_202208T182349_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_202208T182349_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_202208T182349_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_202208T182349_CO01 CS_OFFL_SIR_GOPM_2_20220208T180359_202208T182349_CO01 CS_OFFL_SIR_GOPM_2_20220208T180349_CO01 CS_OFFL_SIR_GOPM_2_20220208T180349_CO01 CS_OFFL_SIR_GOPM_2_20220208T180349_CO01 CS_OFFL_SIR_GOPM_2_20220208T192345_202208T192349_CO01 CS_OFFL_SIR_GOPM_2_20220208T19235_202208T1923	CS_OFFL_SIR_GOPM_2_20220208T162204_20220208T164312_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T195303_20220208T19533_CO01 CS_OFFL_SIR_GOPM_2_20220208T195353_20220208T195303_CO01 CS_OFFL_SIR_GOPM_2_20220208T180333_20220208T190301_CO03 Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T180333_20220208T190301_CO03 Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T180333_20220208T190301_CO03 Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T181504_20220208T181735_CO01 CS_OFFL_SIR_GOPM_2_20220208T181504_20220208T181735_CO01 CS_OFFL_SIR_GOPM_2_20220208T181935_20220208T182243_CO01 CS_OFFL_SIR_GOPM_2_20220208T181925_20220208T18234_CO01 CS_OFFL_SIR_GOPM_2_20220208T181925_20220208T18234_CO01 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T18234_CO01 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T18234_CO01 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T18234_CO01 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T18234_CO01 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T18234_CO01 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T18234_CO01 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T18234_CO01 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T18234_CO01 CS_OFFL_SIR_GOPM_2_20220208T18224_20220208T18234_CO01 CS_OFFL_SIR_GOPM_2_20220208T18224_20220208T182300_CO01 CS_OFFL_SIR_GOPM_2_20220208T19204_20220208T19204_CO01 CS_OFFL_SIR_GOPM_2_20220208T19224_20220208T19200_CO01 CS_OFFL_SIR_GOPM_2_20220208T19224_20220208T19200_CO01 CS_OFFL_SIR_GOPM_2_20220208T19224_20220208T19200_CO01 CS_OFFL_SIR_GOPM_2_20220208T19224_20220208T19200_CO01 CS_OFFL_SIR_GOPM_2_20220208T19224_20220208T19200_CO01 CS_OFFL_SIR_GOPM_2_20220208T19224_20220208T19200_CO01 CS_OFFL_SIR_GOPM_2_20220208T19224_20220208T19200_CO01 CS_OFFL_SIR_GOPM_2_20220208T19204_20220208T19200_CO01 CS_OFFL_SIR_GOPM_2_20220208T19204_20220208T19200_CO01 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194004_20220208T194004_20220208T194004_20220208T194004_20220208T194004_20220208T194004_20220208T194004_20220208T194004_20220208T194004_20220208T194004_20220208T194004_20220208T194004	CS_OFFL_SIR_GOPM_2_20220208T164441_20220208T164922_C001		
and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been set to one or more records CS_OFFL_SIR_GOPM_2_20220208T1803S3_20220208T1808S0_C001 CS_OFFL_SIR_GOPM_2_20220208T181504_20220208T181735_C001 CS_OFFL_SIR_GOPM_2_20220208T181504_20220208T181735_C001 CS_OFFL_SIR_GOPM_2_20220208T181504_20220208T181735_C001 CS_OFFL_SIR_GOPM_2_20220208T181504_20220208T182549_C001 CS_OFFL_SIR_GOPM_2_20220208T181505_20220208T182549_C001 CS_OFFL_SIR_GOPM_2_20220208T182522_20220208T182549_C001 CS_OFFL_SIR_GOPM_2_20220208T182522_20220208T182549_C001 CS_OFFL_SIR_GOPM_2_20220208T183522_20220208T182556_C001 CS_OFFL_SIR_GOPM_2_20220208T183522_20220208T185756_C001 CS_OFFL_SIR_GOPM_2_20220208T182522_20220208T180545_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T19223_20220208T190903_C001 CS_OFFL_SIR_GOPM_2_20220208T19223_20220208T190003_C001 CS_OFFL_SIR_GOPM_2_20220208T19223_20220208T190003_C001 CS_OFFL_SIR_GOPM_2_20220208T19223_20220208T190003_C001 CS_OFFL_SIR_GOPM_2_20220208T192043_20220208T190003_C001 CS_OFFL_SIR_GOPM_2_20220208T19223_20220208T190003_C001 CS_OFFL_SIR_GOPM_2_20220208T192401_20220208T190003_C001 CS_OFFL_SIR_GOPM_2_20220208T192401_20220208T190003_C001 CS_OFFL_SIR_GOPM_2_20220208T192401_20220208T190003_C001 CS_OFFL_SIR_GOPM_2_20220208T194888_20220208T194803_C001 CS_OFFL_SIR_GOPM_2_20220208T194888_20220208T194803_C001 CS_OFFL_SIR_GOPM_2_20220208T194888_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194888_20220208T200495_C001 CS_OFFL_SIR_GOPM_2_20220208T194888_20220208T200495_C001 CS_OFFL_SIR_GOPM_2_20220208T194888_20220208T200495_C001 CS_OFFL_SIR_GOPM_2_20220208T194888_20220208T200495_C001 CS_OFFL_SIR_GOPM_2_20220208T194888_20220208T200495_C001 CS_OFFL_SIR_GOPM_2_20220208T194888_20220208T200495_C001 CS_OFFL_SIR_GOPM_2_20220208T194888_20220208T200495_C001 CS_OFFL_SIR_GOPM_2_20220208T194888_20220208T200495_C001	CS_OFFL_SIR_GOPM_2_20220208T165530_20220208T173043_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_2020208T18104_20220208T18735_C001 CS_OFFL_SIR_GOPM_2_2020208T18104_20220208T182243_C001 CS_OFFL_SIR_GOPM_2_20220208T181935_20220208T182243_C001 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T182243_C001 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T182243_C001 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T182243_C001 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T1823949_C001 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T1823949_C001 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T1823949_C001 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T1823949_C001 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T1823949_C001 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T1823949_C001 CS_OFFL_SIR_GOPM_2_20220208T182322_2022028T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T19223_20220208T192000_C001 CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T192000_C001 CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T190000_C001 CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T1900000_C001 CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T1900000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20220208T174354_20220208T174533_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Cean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Set for one or more records CS_OFFL_SIR_GOPM_2_20220208T18242T_20220208T182949_C001 CS_OFFL_SIR_GOPM_2_20220208T183522_20220208T185756_C001 CS_OFFL_SIR_GOPM_2_20220208T183522_20220208T185756_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T192223_20220208T192500_C001 CS_OFFL_SIR_GOPM_2_20220208T19223_20220208T192500_C001 CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T193003_C001 CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T193003_C001 CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T193003_C001 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194651_C001 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194651_C001 CS_OFFL_SIR_GOPM_2_20220208T194388_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194388_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194388_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194388_20220208T200449_C001 CS_OFFL_SIR_GOPM_2_20220208T204452_202202	CS_OFFL_SIR_GOPM_2_20220208T180353_20220208T180830_C001		
and Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T182949_C001 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T182949_C001 CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T185756_C001 CS_OFFL_SIR_GOPM_2_20220208T18522_2022028T185756_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T19223_20220208T190041_20220208T19000_C001 CS_OFFL_SIR_GOPM_2_20220208T19223_20220208T19000_C001 CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T193003_C001 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194651_C001 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194651_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200452_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200452_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200452_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200452_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200452_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200452_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200452_C001 COGA Altimeter Range Guality, COGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200452_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200452_C001 COGA Altimeter Range Guality, COGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200452_C001 COGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records COGA Altimeter Range Guality, COGA Altimeter Range and Backscatter Quality	CS_OFFL_SIR_GOPM_2_20220208T181504_20220208T181735_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T183522_20220208T185756_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001 CS_OFFL_SIR_GOPM_2_20220208T192223_20220208T192600_C001 CS_OFFL_SIR_GOPM_2_20220208T19223_20220208T192600_C001 CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T193003_C001 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194651_C001 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 CS_OFFL_SIR_GOPM_2_20220208T200	CS_OFFL_SIR_GOPM_2_20220208T181935_20220208T182243_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality CCG Altimeter Range and Backscatter Quality Flags have been Set for one or more records CS_OFFL_SIR_GOPM_2_20220208T19223_20220208T192600_C001 CS_OFFL_SIR_GOPM_2_20220208T192215_20220208T193003_C001 CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T193003_C001 CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T193003_C001 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194651_C001 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194651_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200849_C001 CS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 CS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 CS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T200849_C001 CCS_OFFL_SIR_GOPM_2_20220208T201432_20220208T200849_C001 CCS_OFFL_SIR_GOPM_2_20220208T201432_20220208T200849_C001 CCS_OFFL_SIR_GOPM_2_20220208T201432_20220208T200849_C001 CCCCC Altimeter Range and Backscatter Quality Flags have been set for one or more records CCS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 CCCCC Altimeter Range Quality, OCCC CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_GOPM_2_20220208T182427_20220208T182949_C001		
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T19223_20220208T192600_C001 CS_OFFL_SIR_GOPM_2_20220208T192215_20220208T192600_C001 CS_OFFL_SIR_GOPM_2_20220208T192215_20220208T193003_C001 CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T193003_C001 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194651_C001 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194651_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200849_C001 CS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 And Backscatter Quality oCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20220208T183522_20220208T185756_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T192915_20220208T193003_C001 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194651_C001 CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194651_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200415_20220208T200415_20220208T200415_20220208T200415_20220208T200415_20220208T200415_20220208T200415_20220208T200102_C001 and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 CS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T20102_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T20102_C001 CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T20102_C001 Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T20102_C001 CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T20102_C001 CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T20102_C001	CS_OFFL_SIR_GOPM_2_20220208T190041_20220208T190945_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Ocean Altimeter Range, SSHA, SWH 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_20220208T194838_20220208T200151_C001 CS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 Backscatter Quality 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 The 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_GOPM_2_20220208T200415_20220208T200849_C001 CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T20120_C001 DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T202102_C001 The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20220208T192223_20220208T192600_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220208T194201_20220208T194651_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 Cs_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 Cs_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 Cs_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 Cs_OFFL_SIR_GOPM_2_20220208T201432_20220208T201432_20220208T20120_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 Cs_OFFL_SIR_GOPM_2_20220208T201432_20220208T20120_C001 Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_GOPM_2_20220208T201432_20220208T20102_C001 The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_GOPM_2_20220208T201432_20220208T201102_C001 The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocoan Altimeter Range, SSHA, SWH 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_20220208T192915_20220208T193003_C001		
CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 CS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001 CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T201432_20220208T20102_C001 Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T202102_C001 The OCOG Altimeter Range, SSHA, SWH 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_20220208T194201_20220208T194651_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20220208T194838_20220208T200151_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T202102_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20220208T200415_20220208T200849_C001		
	CS_OFFL_SIR_GOPM_2_20220208T201432_20220208T202102_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

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CS_OFFL_SIR_GOPM_2_20220208T202112_20220208T204710_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_20220208T210724_20220208T211200_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_20220208T211331_20220208T213629_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_20220208T215431_20220208T220058_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_20220208T220250_20220208T221114_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_20220208T221657_20220208T222411_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_20220208T222748_20220208T222803_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_20220208T222847_20220208T223006_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_20220208T223055_20220208T223110_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_20220208T223956_20220208T224314_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_20220208T224531_20220208T224902_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_20220208T224905_20220208T225118_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_20220208T225244_20220208T230101_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_20220208T230315_20220208T231818_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_20220208T232452_20220208T232711_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_20220208T232746_20220208T233207_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_20220208T233345_20220208T234051_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_20220208T234211_20220208T234846_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_20220208T235232_20220209T000234_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220208T023751_20220208T023913_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_20220208T054907_20220208T055110_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20220208T120939_20220208T121105_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_20220208T121136_20220208T121738_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_20220208T123036_20220208T123159_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_20220208T220248_20220208T220250_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_20220208T232711_20220208T232746_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_GOPR_2_20220208T072901_20220208T073009_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220208T092129_20220208T092849_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220208T093119_20220208T093354_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220208T110628_20220208T110801_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_20220208T182243_20220208T182301_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20220208T001756_20220208T001800_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_20220208T002233_20220208T002418_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_20220208T010832_20220208T011055_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_20220208T011115_20220208T011258_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_20220208T012504_20220208T012532_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_20220208T015115_20220208T015307_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_20220208T020130_20220208T020338_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_20220208T022955_20220208T023316_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_20220208T024329_20220208T024358_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_20220208T024819_20220208T025253_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_20220208T025336_20220208T025459_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_20220208T025844_20220208T030057_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_20220208T033054_20220208T033232_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_20220208T033352_20220208T033519_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_20220208T033934_20220208T034228_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_20220208T051048_20220208T051431_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_20220208T052012_20220208T052127_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_20220208T053706_20220208T054040_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_20220208T054907_20220208T055110_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_20220208T060940_20220208T061109_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_20220208T065019_20220208T065336_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_20220208T072021_20220208T072339_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_20220208T082734_20220208T083127_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_20220208T083756_20220208T083903_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_20220208T092013_20220208T092129_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_20220208T105525_20220208T110043_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_20220208T111338_20220208T111743_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_20220208T114458_20220208T114643_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_20220208T115329_20220208T115942_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_20220208T121136_20220208T121738_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_20220208T123036_20220208T123159_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_20220208T124623_20220208T124640_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_20220208T133254_20220208T133611_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_20220208T141404_20220208T141754_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_20220208T143330_20220208T143705_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_20220208T154837_20220208T155447_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_20220208T180325_20220208T180353_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_20220208T193839_20220208T194201_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_20220208T210416_20220208T210508_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_20220208T214328_20220208T214603_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_20220208T223835_20220208T223956_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_20220208T224314_20220208T224529_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_20220208T231853_20220208T232452_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_20220208T000610_20220208T000648_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

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CS_OFFL_SIR_GOPR_2_20220208T003954_20220208T004450_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_20220208T004450_20220208T004810_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_20220208T010219_20220208T010832_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_20220208T011410_20220208T011629_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_20220208T020338_20220208T020342_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_20220208T023951_20220208T024212_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_20220208T024358_20220208T024819_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_20220208T041805_20220208T043025_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_20220208T050836_20220208T051048_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_20220208T055500_20220208T055810_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_20220208T060153_20220208T060940_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_20220208T073225_20220208T073343_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_20220208T073343_20220208T073824_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_20220208T074205_20220208T075220_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_20220208T092129_20220208T092849_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_20220208T093051_20220208T093057_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_20220208T103610_20220208T103805_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_20220208T110043_20220208T110603_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_20220208T110628_20220208T110801_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_20220208T112739_20220208T112917_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_20220208T120234_20220208T120542_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_20220208T123447_20220208T123531_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_20220208T124008_20220208T124546_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_20220208T125159_20220208T125211_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_20220208T130018_20220208T130732_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_20220208T133611_20220208T133655_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_20220208T141754_20220208T142620_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_20220208T151507_20220208T151610_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_20220208T160419_20220208T160642_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_20220208T165415_20220208T165530_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_20220208T173210_20220208T173247_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_20220208T173419_20220208T174039_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_20220208T174039_20220208T174354_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_20220208T174533_20220208T174708_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_20220208T175207_20220208T175241_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_20220208T181329_20220208T181504_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_20220208T183259_20220208T183522_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_20220208T201218_20220208T201432_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_20220208T204710_20220208T205019_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_20220208T205213_20220208T205837_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_20220208T205837_20220208T210006_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_20220208T210014_20220208T210416_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_20220208T211200_20220208T211331_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_20220208T214004_20220208T214328_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_20220208T222553_20220208T222616_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_20220208T223154_20220208T223723_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_20220208T224529_20220208T224531_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)

 $\label{lem:currently} \textbf{Currently, there are several common flags raised in the Level 2 products, which are summarised below.}$

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

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:

66

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.

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

6.1 P2P Product Format Check

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

Number of products with errors:

(

6.2 P2P Product Header Analysis

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

Number of products with errors:

(

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

0

6.4 P2P Auxiliary Correction Error Check

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

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

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20220207T232748_20220208T001728_C002	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_GOP_2_20220208T001728_20220208T010703_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_20220208T010703_20220208T015642_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_20220208T015642_20220208T024618_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_20220208T024618_20220208T033557_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_20220208T033557_20220208T042533_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_220220208T042533_20220208T051512_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_220220208T051512_20220208T060447_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_20220208T060447_20220208T065426_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_20220208T065426_20220208T074402_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_20220208T074402_20220208T083341_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_20220208T083341_20220208T092317_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_20220208T092317_20220208T101256_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_20220208T101256_20220208T110231_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_20220208T110231_20220208T115210_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_20220208T115210_20220208T124146_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_20220208T124146_20220208T133125_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_220220208T133125_20220208T142101_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_20220208T142101_20220208T151040_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_20220208T151040_20220208T160015_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records

CS OFFE SIR GOP 2 202202081160015 202202081164955 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_20220208T164955_20220208T173930_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 OFFE SIR GOP 2 202202081173930 202202081182909 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_20220208T182909_20220208T191845_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 OFFE SIR GOP 2 202202081191845 202202081200824 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_20220208T200824_20220208T205759_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 OFFE SIR GOP 2 202202081205759 202202081214738 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_20220208T214738_20220208T223714_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_220220208T223714_20220208T232653_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_20220208T232653_20220209T001629_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220220208T015642_20220208T024618_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20 Hz)

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

Since the P2P Quality Flags are copied 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 (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: 2

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: 3

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: 2

P2P Retracking Flags PLRM

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

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

Number of products with errors: 30

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	221	221	9	212	0
SIR_GOPR1B	137	137	0	137	0
SIR_GOPN1B	107	107	4	99	4
SIR_GOPM_2	221	221	153	68	0
SIR_GOPR_2	137	137	59	76	2
SIR_GOPN_2	103	103	43	60	0
SIR GOP P2P	29	29	0	27	2

7.1 QCC Errors

Number of QCC reports with errors:

Total number	er of occur	rences of	each error

Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	RRTAISSOPOBHRNCDF		-	-	-	-	-
SIR_GOPN1B	0	0	0	0	4						
SIR_GOPR_2	2	2	2	2	0						
				·					,		•
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOP_2_	2	2	2	2							

Test Description Key:					
Abbreviation	Test name	Details			
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7			
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7			
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7			
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7			
RRTAISSOPOBHRNCD	RangeRecordTAlStartStopOPOrBlankHRNetC	The time value should be between the the record TAI start/stop times of the MPH with a margin of 0.5 s - NetCDF			

7.2 QCC Warnings

Number of QCC reports with warnings

2172

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_GOPM1B	212	0	0	0	0	0	0
SIR_GOPM_2	0	0	49	46	0	54	0
SIR_GOPN1B	103	0	0	0	0	0	0
SIR_GOPN_2	0	0	10	33	3	27	30
SIR_GOPR1B	132	0	0	0	0	0	0
SIR_GOPR_2	0	2	18	36	0	26	22

П		PROTOROFFRIORE	PHOCOLIOPONODE	DDEDODEDI DIMIODE	DDEDODEDDI DMOADNO	DDEDODEDDI DMONNOD	DDEDODEDO A DNODE	DDEDODEDONNODE
	Product Type	RBSZOPOEPNCDF	RMSSGHOPONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCI	RPEPOPFUPLRMSINNCU	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
	SIR_GOPM1B	0	0	0	0	0	0	0
	SIR_GOPM_2	39	1	41	0	0	0	0
	SIR_GOPN1B	0	0	0	0	0	0	0
	SIR_GOPN_2	19	0	0	0	18	0	34
	SIR_GOPR1B	0	0	0	0	0	0	0
	SIR GOPR 2	13	0	0	33	0	41	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	31	0	0	5	32	0	2
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	25	12	43	45	26
SIR_GOPR1B	0	0	0	0	0	0	0
SIR GOPR 2	0	32	0	8	55	25	11

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	RWTCONCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	49	0	2	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	0	52
SIR_GOPN_2	30	32	16	0	0	0	0
SIR_GOPR1B	0	0	0	0	0	0	137
SIR GOPR 2	23	33	1	1	1	7	0

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR_GOP_2_		27	29	3	29	17	29

Product Type	RMSSGHOPONCDF	RPEPOPFDPLRMSINNCDI	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_GOP_2_	1	16	28	20	16	29	17

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	RWTCONCDF	SPHLPQWNCDF	-
SIR GOP 2	24	29	18	15	1	29	

Test Description Key:		
Abbreviation	Test name	Details
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RMSSGHOPONCDF	RangeMSSGeoidHeightOPOceanNetCDF	The MSS/geoid height should be between -106000mm and 88000mm (or missing) for surface type = ocean - NetCDF
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

RWTCONCDF	RangeWetTroposphericCorrectionOceanNetCDF	#N/A
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports: