

QA4EO Daily Report for GOP data:

<u>09/07/2021</u>

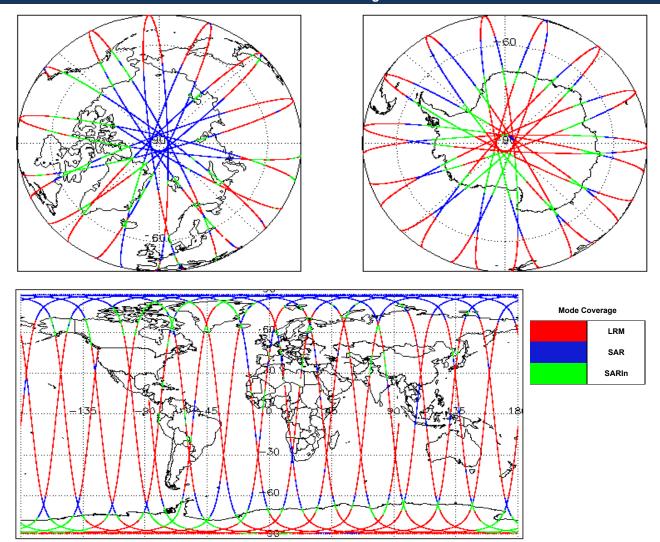
Report Production:	12-Aug-2021	Check	L1 & L2	P2P
Report Froduction.	12-Aug-2021	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor used.	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
Data Useu.	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 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, 7.2 and 7.3	See Section 7.1, 7.2 and 7.3

1. Overview

Mission / Instrument News 08-Jul-2021 None 09-Jul-2021 None

10-Jul-2021 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 binary product file (.DBL). 0

4.2 L1B Product Header Analysis			
For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.			
L1B Processing Quality HR: The 11b_proc_flag_hr flag is currently set all L1B GOPR and GOPN products because the 11b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.			
Number of products with errors: 0			
4.3 L1B Auxilary Data File Usage Check			
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the 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: 0			
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_20210709T210901_20210709T211351_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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20210709T043632_20210709T043722_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210709T211616_20210709T212810_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210709T044557_20210709T044635_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210709T071226_20210709T071228_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210709T101043_20210709T101627_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210709T110947_20210709T111157_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210709T124900_20210709T124942_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210709T160243_20210709T160306_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210709T173609_20210709T173723_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210709T182909_20210709T183326_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210709T191834_20210709T192239_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210709T210042_20210709T210135_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210709T223839_20210709T224051_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210709T015331_20210709T015522_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210709T043916_20210709T043949_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210709T110624_20210709T110947_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210709T182648_20210709T182908_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 binary product file (.DBL). 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:

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 which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which 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.

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210709T095901_20210709T100943_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPM_2_20210709T124020_20210709T124124_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_20210709T213015_20210709T214505_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_20210709T001540_20210709T001828_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_20210709T002452_20210709T002734_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_20210709T002734_20210709T002756_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_20210709T010542_20210709T010928_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20210709T052128_20210709T052435_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_20210709T065429_20210709T065719_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_20210709T070029_20210709T070406_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_20210709T083508_20210709T083743_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_20210709T093014_20210709T093134_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_20210709T101043_20210709T101627_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_20210709T110446_20210709T110538_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20210709T110947_20210709T111157_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_20210709T115233_20210709T115412_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_20210709T120258_20210709T120507_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_20210709T124900_20210709T124942_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_20210709T124946_20210709T125347_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_20210709T151146_20210709T151539_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20210709T165134_20210709T165447_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_20210709T173609_20210709T173723_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_20210709T182909_20210709T183326_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_20210709T183904_20210709T184027_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_20210709T191834_20210709T192239_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20210709T201646_20210709T201832_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_20210709T210042_20210709T210135_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_20210709T214604_20210709T214746_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_20210709T215448_20210709T215709_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_20210709T223533_20210709T223750_C001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide Mean Sea Surface (1), Mean Dynamic	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_GOPN_2_20210709T223839_20210709T224051_C001	Topography (1), Total Geocentric Ocean Tide (GOT)	Topography height (solution 1) and the Total Gecentric Ocean Tide height (solution 1: GOT) for one or more records

CS_OFFL_SIR_GOPN_2_20210709T232458_20210709T232704_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_20210709T233348_20210709T233819_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_20210709T010928_20210709T011812_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_20210709T024621_20210709T025359_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_20210709T042554_20210709T043219_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_20210709T043219_20210709T043448_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_20210709T060403_20210709T061119_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_20210709T061119_20210709T061259_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_20210709T074531_20210709T075017_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_20210709T075017_20210709T075138_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_20210709T092305_20210709T092859_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_20210709T092859_20210709T093014_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_20210709T110538_20210709T110624_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_20210709T110624_20210709T110947_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_20210709T124151_20210709T124900_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_20210709T142358_20210709T142930_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_20210709T155219_20210709T155357_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_20210709T160310_20210709T161100_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_20210709T173429_20210709T173609_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_20210709T174127_20210709T175035_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_20210709T192239_20210709T193033_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_20210709T210136_20210709T210717_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_20210709T224051_20210709T224750_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

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5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:
1

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210709T210901_20210709T211351_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 (20Hz)

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

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210708T235811_20210709T001421_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_20210709T001828_20210709T002245_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T002251_20210709T002300_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

Control Description Description Description Description C1, DHL, SHL GORM, ZURUKUN (USDR), CRU Second database freque description Description <th></th> <th></th> <th></th>			
Bit ME, LERG GEN J, 2010/07113021, 2011/07113031 (201 Bit S, DERL, JER, GEN J, 2010/07113021, 2011/07113031 (201 Bit GEN, JER, GEN J, 2010/07113021, 2011/071130200 (201 Const, JER, GEN J, 2010/07113021, 2011/071130200 (201 Const, JER, GEN J, 2010/07113021, 2011/071120201 (201 Const, JER, GEN J, 2010/07112021, 2011/071120201 (201 Const, JER, GEN J, 2010/071112021, 2011/071120201 (201	CS_OFFL_SIR_GOPM_2_20210709T002306_20210709T002452_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Bits, DFL, JER, QOPM, Z. 2021/07/10/2021, 2021/07/10/2021, 2021 Performance County Program Section 2021 Performance Program Section 2021 Performanc	CS_OFFL_SIR_GOPM_2_20210709T003002_20210709T010339_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Laboration Description Description Description Description C0_OPT_DBR_OPM_2_202000000000_020015_020100015_0201000000_0000000000	CS_OFFL_SIR_GOPM_2_20210709T012928_20210709T015331_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Bits Control Bits Statut	CS_OFFL_SIR_GOPM_2_20210709T015637_20210709T020200_C001		
 CB, OFTL, SIR, OOFW, 2, 20210707102818_20210767122500_C001 CH, DFTL, SIR, OOFW, 2, 20210707102818_20210707102818_202010761128300_C001 CH, SIR, OOFW, 2, 20210707102818_20210707102818_202010761128300_C001 CH, SIR, OOFW, 2, 20210707102818_20210707102818_20210707102818_202010761128300_C001 CH, SIR, OOFW, 2, 20210707102818_20210707102818_20210707102818_20201076128300_C001 CH, SIR, OOFW, 2, 20210707102818_20210707102818_20201076128300_C001 CH, SIR, OOFW, 2, 20210707102818_20210707102818_20201076128300_C001 CH, SIR, OOFW, 2, 20210707102818_20210707102818_20201 CH, SIR, OOFW, 2, 20210707102818_20210707102818_20201 CH, SIR, OOFW, 2, 20210707102818_20210707102818_20201 CH, DFL, SIR, OOFW, 2, 20210707102818_20210707102818_20001 CH, DFL, SIR, OOFW, 2, 20210707102818_2021170717128300_C001 CH, DFL, SIR, OOFW, 2, 20210707102818_2021170717128218_20001 CH, DFL, SIR, OOFW, 2, 20210707102818_2021170717128248_20001 CH, DFL, SIR, OOFW, 2, 20210707102818_20211707171282482_20001 CH, DFL, SIR, OOFW, 2, 20210707102818_20211707171511270_001 CH, DFL, SIR, OOFW, 2, 20210707102818_20211707171511270_001 CH, SIR, OOFW, 2, 20210707102818_20211707171511270_001 CH, DFL, SIR, OOFW, 2, 20210707102818_20211707171511270_001<!--</td--><td>CS_OFFL_SIR_GOPM_2_20210709T020206_20210709T020531_C001</td><td></td><td>The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.</td>	CS_OFFL_SIR_GOPM_2_20210709T020206_20210709T020531_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CBL_DHFL_SIRE_ODDML2_20010707102440_20010707102440_0001 main Basescento Cuality Coole set for or or non results. CSL_DHFL_SIRE_ODDML2_20010707102400_20010707102400_0001 Coole Allenser Regres all Badacator Cuality Coole set for or or non results. CSL_DHFL_SIRE_ODDML2_20010707102400_20010707102400_0001 Coole Allenser Regres SIRM, SMM The Coole Allenser Regres SIRM, SMM CSL_DHFL_SIRE_ODDML2_20010707102400_20010707102400_0001 Coole Allenser Regres SIRM, SMM The Coole Allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allenser and results. CSL_OHFL_SIRE_ODDML2_20010707102400_20010707102400_0001 Coole Allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allessecator Cuality Coole Allenser Regres SIRM, SMM and Bootscattor Cuality Flags have been allessecator Cuality Flags have been allessecator Cuality Flags and Bootscattor Cuality Flags have been allessecator Cuality Flags have been allessecator Cuality Flags have been allessecator Cuality Flags have been allessec	CS_OFFL_SIR_GOPM_2_20210709T020913_20210709T023605_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CSL_OFFL_SR_00FM_2_20210707132370_022 and Budkatel Quality, COCO Attractor Regins QBMA, SWH and Buckatel Quality, COCO Attractor Regins QBMA, QD2 107007132820, 202107007132821, 202107007132821, 202107007132821, 202107007132821, 202107007132821, 202107007134597, 2021 Cocian Attractor Regins, SBMA, SWH and Buckatel Quality, COCO Attractor Regins, SBMA, SWH and Buckatel Quality, Figgs have been and Buckatel Quality, COCO Attractor Regins, SBMA, SWH and Buckatel Quality, Figgs have been and Buckatel Quality, COCO Attractor Regins, SBMA, SWH and Buckatel Quality, Figgs have been and Buckatel Quality, COCO Attractor Regins, SBMA, SWH and Buckatel Quality, Figgs have been and Buckatel Quality, COCO Attractor Regins, SBMA, SWH and Buckatel Quality, Figgs have been and Buckatel Quality, COCO Attractor Regins, SBMA, SWH and Buckatel Quality, Figgs have been and Buckatel Quality, COCO Attractor Re	CS_OFFL_SIR_GOPM_2_20210709T023640_20210709T024056_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C5. OFFL SIR. GOPM 2. 20210790703042. 202107907032478, 2021 and Backstelle Ouality, OCOS and the OCOS Altimeter Range and Backstelle Ouality Flags have been Altimeter Range and Backstelle Ouality Class C5_OFFL_SIR_GOPM_2_202107097033428, 202107097033306_0001 and the OCOS Altimeter Range and Backstelle Ouality Class be OCOS Altimeter Range and Backstelle Ouality Class C6_OFFL_SIR_GOPM_2_202107097033428, 202107097033428, 202107097033428, 202107097033428, 202107097033428, 202107097033428, 202107097034438, 2001 OCOS Altimeter Range and Backstelle Ouality Class C6_OFFL_SIR_GOPM_2_20210709703428, 20210709703428, 202107097034428, 2001 he OCosa Altimeter Range, 204 Altimeter	CS_OFFL_SIR_GOPM_2_20210709T025709_20210709T030337_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210709T032820_2021079T033330_0001 and Basksatter Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210700T032631_20210709T03448_0001 COCG Alimeter Range Quality.COCG Alimeter Range and Basksatter Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210700T03468_20210709T044200_0001 COCG Alimeter Range SSIA. SWH and Basksatter Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210700T03448_20210709T044200_0001 Cocen Alimeter Range SSIA. SWH and Basksatter Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210700T03448_20210709T044917_CO01 Cocen Alimeter Range SSIA. SWH and Basksatter Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210700T03448_20210709T035112_CO01 Cocen Alimeter Range SSIA. SWH and Basksatter Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210709T035112_CO01 COCG Alimeter Range SSIA. SWH and Basksatter Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210709T035122_CO01 COCG Alimeter Range SSIA. SWH and Basksatter Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210709T035122_C001 COCG Alimeter Range SSIA. SWH and Basksatter Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210709T035423_20210709T035423_Q0210709T035430_C001 The OCGG Alimeter Range and Basksatter Quality Flags have been set for one or nor records. CS_OFFL_SIR_GOPM_2_20210709T035423_Q0210709T0354	CS_OFFL_SIR_GOPM_2_20210709T030428_20210709T032748_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_DFL_SR_QOPM_2_20210700703409_020107014200_0001 Backscaller Quality for one ar more recents. C3_OFFL_SR_GOPM_2_20210700703409_020107014200_0001 Coen Altmoter Range, SSHA, SWH The OCOBA Altmoter Range, SSHA, SWH and Backscaller Quality Flags have been Altmoter Range A	CS_OFFL_SIR_GOPM_2_20210709T032820_20210709T033306_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS, OFFL, SIR, GOPM. 2, 20210709T043429, 20210709T04320, C011 and Backstacter Quality, COCG Attimuter Range, SDM, SWM, and Backstacter Quality Flags have been Attimuter Range and Backstacter Quality, COCG Attimuter Range and Backstacter Quality, Flags have been Attimuter Range and Backstac	CS_OFFL_SIR_GOPM_2_20210709T033631_20210709T034439_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T043448_20210709T043917_0001 and the SCOGG and the SCOGG and the SCOGG CS_OFFL_SIR_GOPM_2_20210709T050564_20210709T051127_0001 Coan Altimeter Range. SSHA, SVH The Ocean Altimeter Range and Backscatter Ouslity Flags have been attackscatter Ouslit	CS_OFFL_SIR_GOPM_2_20210709T034929_20210709T042206_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210709T050541_20210709T051127_C001 and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been att for one or more records. CS_OFFL_SIR_GOPM_2_20210709T052828_20210709T054938_C001 CS_OFFL_SIR_GOPM_2_20210709T052828_20210709T054938_C001 CS_OFFL_SIR_GOPM_2_20210709T052828_20210709T054938_C001 CS_OFFL_SIR_GOPM_2_20210709T052828_20210709T054938_C001 CS_OFFL_SIR_GOPM_2_20210709T052828_20210709T054938_C001 CS_OFFL_SIR_GOPM_2_20210709T052828_20210709T054938_C001 CS_OFFL_SIR_GOPM_2_20210709T055223_20210709T054938_C001 CS_OFFL_SIR_GOPM_2_20210709T055223_20210709T054938_C001 CS_OFFL_SIR_GOPM_2_20210709T055232_20210709T054938_C001 CS_OFFL_SIR_GOPM_2_20210709T055232_20210709T054938_C001 CS_OFFL_SIR_GOPM_2_20210709T054938_C001 CS_OFFL_SIR_GOPM_2_20210709T07450_20210709T054938_C001 CCCG Altimeter Range SSHA,SWH and Backscatter Quality Flags have been att for one or more records. CS_OFFL_SIR_GOPM_2_20210709T07450_20210709T07450_S09_C001 CCCG Altimeter Range SSHA,SWH and Backscatter Quality Flags hav	CS_OFFL_SIR_GOPM_2_20210709T043448_20210709T043617_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210709T052828_20210709T054938_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20210709T052828_20210709T054938_C001 Cocan Altimeter Range. SSHA, SWH and Backscatter Quality, COCG Altimeter Range. SSHA, SWH The Ocan Altimeter Range. SSHA, SWH and Backscatter Quality, Flags and the OCOG Altimeter Range and Backscatter Quality, Flags and the OCOG Altimeter Range. SSHA, SWH and Backscatter Quality, COCG Altimeter Range. SSHA, SWH The Ocan Altimeter Range. SSHA, SWH and Backscatter Quality, COCG Altimeter Range. SSHA, SWH CS_OFFL_SIR_GOPM_2_20210709T061320_20210709T061756_C001 Ocean Altimeter Range and Backscatter Quality, Flags and the OCOG Altimeter Range and Backscatter Quality, Flags and the OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T063348_20210709T063016_C001 OCCGA Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T063348_20210709T063352_C001 Ocean Altimeter Range 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_20210709T064020_20210709T065039_C001 Ocean Altimeter Range and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T067070745_20210709T070725_20210709T0707353_C001 Ocean Altimeter Range SHA, SWH and Backscatter Quality, Flags have been set for one or more records. <td< td=""><td>CS_OFFL_SIR_GOPM_2_20210709T050541_20210709T051127_C001</td><td>and Backscatter Quality, OCOG</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></td<>	CS_OFFL_SIR_GOPM_2_20210709T050541_20210709T051127_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210709T052828_20210709T064438_C001 and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20210709T065223_20210709T060402_C001 Coean Altimeter Range, SSHA_SWH The OCean Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality, Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA_SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA_SWH, COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA_SWH, COCG Altimeter Range, SSHA, SWH, COCG Altimeter Range and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH, COCG Altimeter Range, SSHA, SWH, COCG Altimeter Range and Backscatter Quality, Flags have been Altimeter Range and Backs	CS_OFFL_SIR_GOPM_2_20210709T051610_20210709T052128_C001		
CS_OFFL_SIR_GOPM_2_202107097065223_202107097060402_C001 and Backscatter Quality, OCOG and the OCOG Allimeter Range and Backscatter Quality Flags have been Allimeter Range, SSHA, SWH CS_OFFL_SIR_GOPM_2_202107097061320_202107097061758_C001 Coean Allimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_202107097063306_C001 Coean Allimeter Range, SSHA, SWH The OCGA Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_202107097063348_202107097063348_202107097063382_C001 Coean Allimeter Range, SSHA, SWH The OCGG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_202107097064020_20210709706539_C001 Coean Allimeter Range, SSHA, SWH The OCGG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_2021070970650719_202107097070509_C001 Coean Allimeter Range, SSHA, SWH The OCGG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210709707057612_202107097070725_C001 Coean Allimeter Range Quality, OCCGG The OCGG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_202107097070745_202107097071225_C001 Coean Allimeter Range Quality, OCCGG The OCGG Allimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20210709T052828_20210709T054938_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210709T061320_20210709T061758_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T065039_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T070745_20210709T071225_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Back	CS_OFFL_SIR_GOPM_2_20210709T055223_20210709T060402_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210709T063348_20210709T063832_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20210709T063348_20210709T063832_C001 Ccean Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality Flags have been Attimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T065719_20210709T070029_C001 OCCG Attimeter Range Quality, OCOG Backscatter Quality The OCGA Attimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T070745_20210709T071225_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, Flags have been Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been Attimete	CS_OFFL_SIR_GOPM_2_20210709T061320_20210709T061758_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210709T063348_20210709T063832_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T064020_20210709T065039_C001 Ocean Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T065719_20210709T07029_C001 OCCG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH The OCean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T070745_20210709T071225_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, ISQ Altimeter Range and Backscatter Quality, ISQ Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, ISQS and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altime	CS_OFFL_SIR_GOPM_2_20210709T062520_20210709T063016_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T064020_20210709T065039_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T065719_20210709T070029_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_20210709T070745_20210709T071225_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T071228_20210709T073533_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and backscatter Quality, 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	CS_OFFL_SIR_GOPM_2_20210709T063348_20210709T063832_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_202107091057/19_202107091070029_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20210709T070745_20210709T071225_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, CCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have	CS_OFFL_SIR_GOPM_2_20210709T064020_20210709T065039_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210709T070745_20210709T071225_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been actimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20210709T073523_20210709T074405_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Alt	CS_OFFL_SIR_GOPM_2_20210709T065719_20210709T070029_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T071228_20210709T073353_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T073523_20210709T074405_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20210709T075647_20210709T076405_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags been Altimeter Range, SSHA, SWH <td>CS_OFFL_SIR_GOPM_2_20210709T070745_20210709T071225_C001</td> <td>and Backscatter Quality, OCOG</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_GOPM_2_20210709T070745_20210709T071225_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210709T073523_20210709T074405_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_20210709T075647_20210709T080345_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Ocean Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been Ocean Altimeter Range and Backscatter Quality, OCOG Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Ocean Altimeter Range, SSHA, SWH Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_GOPM_2_20210709T071228_20210709T073353_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210709T075647_20210709T080345_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_GOPM_2_20210709T073523_20210709T074405_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_GOPM_2_20210709T075647_20210709T080345_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
Altimeter Range and Backscatter Quality set for one or more records.	CS_OFFL_SIR_GOPM_2_20210709T080403_20210709T082808_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been

	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
CS_OFFL_SIR_GOPM_2_20210709T083743_20210709T083937_C001	Backscatter Quality	for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T084212_20210709T084419_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_20210709T084706_20210709T085145_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_20210709T085238_20210709T090259_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_20210709T090537_20210709T091356_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_20210709T091731_20210709T092305_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_20210709T093135_20210709T093543_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_20210709T093659_20210709T095047_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_20210709T095901_20210709T100943_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_20210709T101627_20210709T101854_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_20210709T101921_20210709T102345_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_20210709T102630_20210709T104027_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_20210709T104207_20210709T105301_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_20210709T105657_20210709T105724_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_20210709T112217_20210709T112608_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_20210709T112731_20210709T113243_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_20210709T113436_20210709T115029_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_20210709T115413_20210709T120258_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_20210709T120611_20210709T122734_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_20210709T125609_20210709T130651_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_20210709T130654_20210709T132952_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_20210709T133622_20210709T134051_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_20210709T134545_20210709T140922_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_20210709T140954_20210709T141151_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_20210709T141736_20210709T142115_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_20210709T142136_20210709T142246_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_20210709T143811_20210709T144044_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.

Cd_OFFL_SIR_GOPM_2_2010/001116080_2001 and Backsoater Quality, COOS and Backsoater Quality, COOS Cd_OFFL_SIR_GOPM_2_2010/001116180_202107091152180_001 CCOOS Altmente Range and Backscatter Quality Flags have backsoater Quality, COOS Cd_OFFL_SIR_GOPM_2_2010/001116180_20210709115280_001 CCOOS Altmente Range and Backscatter Quality, Flags have backsoater Quality, COOS Cd_OFFL_SIR_GOPM_2_2010/001116400_20210709115680_001 CCOOS Altmente Range and Backscatter Quality, Flags have backsoater Quality, COOS Cd_OFFL_SIR_GOPM_2_20210709116400_20210709116680_001 CCCAS Altmente Range, SSIA, SWH and Backscatter Quality, Flags have backsoater Quality, COOS Cd_OFFL_SIR_GOPM_2_20210709116400_20210709116620_001 CCCAS Altmente Range, SSIA, SWH and Backscatter Quality, Flags have backsoater Quality, Flags have backsoater Quality, COOS Cd_OFFL_SIR_GOPM_2_20210709116400_20210709116620_001 CCCAS Altmente Range, SSIA, SWH and Backscatter Quality, Flags have backsoater Quality, Flags have b			
Call, JPP, San, CoPM, 2, 2010/001192115380, 0001 Backcaster Cuality for one or more record. CS_OFFL_SIR_COPM, 2, 202107091153280, 0001 Colean Altimeter Range, SSHA, SWH and Backscattler Cuality Fings here Lands or an or more record. CS_OFFL_SIR_COPM, 2, 202107091154286, 202107091154286, 0001 Colean Altimeter Range, SSHA, SWH and Backscattler Cuality Fings here Lands or an or more record. CS_OFFL_SIR_COPM, 2, 202107091154286, 202107091154286, 0001 Colean Altimeter Range, SSHA, SWH and Backscattler Cuality Fings here Lands Fings, SSHA, SWH and Backscattler Cuality Fings here Lands SSHA, SWH and Backscattler Cuality Fings here Lands Fings and Ba	_2_20210709T144209_20210709T150807_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CB_DFFL_SIR_GOPM_2_20210709T152418_20210709T15409_C011 and Backsatter Cuality Flags have Latitude Cality Flags have		e Quality, OCO	
CS_OFFL_SIR_GOPM_2.20210709T15428_02210709T154286_0201 and Backsatter Quality, CGG Altimeter Range and Backsatter Quality, CGG Altimeter Range, SHA, SWH and Backsatter Quality, Figs have be for one or more records. CS_OFFL_SIR_GOPM_2.202107091170644_02107091170640_0001 CGB, Offert, SIR, GOPM_2.202107091170644_02107091170640_0001 Altimeter Range and Backsatter Quality, CGG Altimeter Range, SHA, SWH and Backsatter Quality, Figs have be for one or more records. CS_OFFL_SIR_GOPM_2.202107091170308_020107091180280_0001 Altimeter Range, SHA, SWH and Backsatter Quality, Figs have be for one or more records. CS_OFFL_SIR_GOPM_2.202107091170308_020107091180280_0001 Altimeter Range and Backsatter Quality, CGG Altimeter Range, SHA, SWH and Backsatter Quality, Figs have be for one or more records. CS_OFFL_SIR_GOPM_2.202107091180280_0001 Altimeter Range and Backsatter Quality, CGG Altimeter Range, SHA, SWH and Backsatter Quality, Figs have be for one or more records. CS_OFFL_SIR_GOPM_2.202107091180280_02010 CGB, OFFL_SIR_GOPM_2.202107091180280_02010 CGB, OFFL_SIR_GOPM_2.20210709118038_0217091182840_0001 CG_OFFL_SIR_GOPM_2.202	_2_20210709T152418_20210709T153809_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T160034_20210709T160200_C001 and Backscatter Quality Plags have la Milmeter Range and Backscatter Quality Plags have la Backscatter Quality Plags have la	_2_20210709T154426_20210709T154936_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T16140_20210709T161429_C001 and Backscatter Quality Flags have laft for on or more records. CS_OFFL_SIR_GOPM_2_20210709T16544_20210709T170040_C001 CCGG Altimeter Range Quality. CCGG Altimeter Range SNA, SWH and Backscatter Quality Flags have laft bacoco Altinteet Range SNA, SWH and Backscatter Quality F	_2_20210709T160034_20210709T160200_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T170644_20210709T170940_C001 Backscatter Quality For one or more records. CS_OFFL_SIR_GOPM_2_20210709T170644_20210709T170940_C001 Coean Altimeter Range, SSHA, SWH and Backscatter Quality, COEA Altimeter Range, SSHA, SWH and Backscatter Quality, COEA Altimeter Range and Backscatter Quality, COEA Altimeter Range and Backscatter Quality, COEA Altimeter Range, SSHA, SWH and Backscatter Quality, SECA Altimeter Range, SSHA, SWH and Backscatter Quality, COEA Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have bee for one or more records. CS_OFFL_SIR_GOPM_2_20210709T184406_20210709T185410_C001 COEA Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have bee for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have bee for one or more records.	_2_20210709T161400_20210709T164729_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T170644_20210709T170940_C001 and Backscater Quality, CCGG Altimeter Range and Backscater Quality eff or one or more records. CS_OFFL_SIR_GOPM_2_20210709T173723_20210709T174127_C001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality, CCG Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range, SSHA, SWH and Backscater Quality, Flags have I Altimeter Range and Backscater Quality, COG Altimeter Range and Backscater Quality, Flags have I Altimeter Range and Backscater Quality, Flags have I Altimeter Range and Backscater Qu		e Quality, OCO	
CS_OFFL_SIR_GOPM_2_20210709T173723_20210709T174127_C001 and Backscatter Quality Altimeter Range and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range and Backscatter Quality Flags have I Altimeter Range and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range SHA, SWH and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range ASHA, SWH and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range ASHA, SWH and Backscatter Quality Flags have I Altimeter Range Cuality COG Altimeter Range ASHA, SWH and Backscatter Quality Flags have I Altimeter Range Cuality COG Backscatter Quality COG Backsc	_2_20210709T170644_20210709T170940_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T175036_20210709T180250_C001 and Backscatter Quality, COGG and the CCOG Altimeter Range and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T180536_20210709T180548_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T183456_20210709T183644_C001 OCGG Altimeter Range, SSHA, SWH The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T183456_20210709T183404_C001 OCCGA Altimeter Range, SSHA, SWH The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T184406_20210709T185410_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T191739_20210709T191759_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T191739_20210709T191759_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T191739_20210709T200553_C001 Ocean Altimeter Range and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T201565_20210709T20148_C001 OCCG Altimeter Range AlBackscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T201565_20210709T201368_C001 OCCGA Altimeter Range AlBackscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T201401_C001 OCCGA Altimeter Range AlBackscatter Quality Flags hav	_2_20210709T173723_20210709T174127_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T180536_20210709T182648_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have I Altimeter Range and Backscatter Quality Flags have I decome or more records. CS_OFFL_SIR_GOPM_2_20210709T183456_20210709T183604_C001 OCCOG Altimeter Range Quality, OCCOG Backscatter Quality The OCCOG Altimeter Range and Backscatter Quality Flags have bee for one or more records. CS_OFFL_SIR_GOPM_2_20210709T184406_20210709T185410_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have I and Backscatter Quality, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality Flags have I and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have I and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality, Flags have I and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality, Flags have I and Backscatter Quality, OCCG Backscatter Quality, OCCG Altimeter Range and Backscatter Quality, Flags have I and the OCCG Altimeter Range and Backscatter Quality, Flags have I and the OCCG Altimeter Range and Backscatter Quality Flags have I and the OCCG Altimeter Range and Backscatter Quality, Flags have I and the OCCG Altimeter Range and Backscatter Quality, Flags have I and the OCCG Altimeter Range and Backscatter Quality Flags have I and the OCCG Altimeter Range and Backscatter Quality Flags have I and th	_2_20210709T175036_20210709T180250_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T183456_20210709T185410_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20210709T184406_20210709T185410_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have I Altimeter Range and Backscatter Quality, Flags have I Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have I Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have I Altimeter Range and Backscatter Quality, Flags have I Altimeter Range and Backscatter Quality, Flags have I Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have bee for one or more records. CS_OFFL_SIR_GOPM_2_20210709T20154_20210709T201401_C001 OCCG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have bee for one or more records. CS_OFFL_SIR_GOPM_2_20210709T202449_20210709T203719_C001 Ocean Altimeter Range, SSHA, SWH	_2_20210709T180536_20210709T182648_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T184406_20210709T185410_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T191739_20210709T191759_C001 Coean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T191739_20210709T191759_C001 Coean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T193033_20210709T200553_C001 Coean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T200825_20210709T20153_C001 Coean Altimeter Range Quality, OCOG The OCCG Altimeter Range and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T200825_20210709T201348_C001 OCCGG Altimeter Range Quality, OCOG The OCCG Altimeter Range and Backscatter Quality Flags have beer CS_OFFL_SIR_GOPM_2_20210709T201354_20210709T201401_C001 OCCGG Altimeter Range Quality, OCOG The OCCG Altimeter Range and Backscatter Quality Flags have beer CS_OFFL_SIR_GOPM_2_20210709T202449_20210709T203719_C001 Ocean Altimeter Range, SSHA, SWH The OCCG Altimeter Range and Backscatter Quality Flags have beer CS_OFFL_SIR_GOPM_2_20210709T202449_20210709T203719_C001 Ocean Altimeter Range, SSHA, SWH The OCCG Altimeter Range and Backscatter Quality Flags have beer CS_OFFL_SIR_GOPM_2_2021		e Quality, OCO	
CS_OFFL_SIR_GOPM_2_20210709T191739_20210709T191759_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have I set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T193033_20210709T200553_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T201325_20210709T201348_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. CS_OFFL_SIR_GOPM_2_20210709T201354_20210709T201401_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. CS_OFFL_SIR_GOPM_2_20210709T202449_20210709T203719_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have I and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have I and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags	_2_20210709T184406_20210709T185410_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T193033_20210709T200553_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have I set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T200825_20210709T201348_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. CS_OFFL_SIR_GOPM_2_20210709T201354_20210709T201401_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. CS_OFFL_SIR_GOPM_2_20210709T201354_20210709T201401_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. CS_OFFL_SIR_GOPM_2_20210709T202449_20210709T203719_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and Backscatter Quality Flags have I and Backscatter Quality, OCOG	_2_20210709T191739_20210709T191759_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T200825_20210709T201348_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20210709T201354_20210709T201401_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. CS_OFFL_SIR_GOPM_2_20210709T201409_20210709T203719_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have lead the OCOG Altimeter Range and Backscatter Quality Flags have lead the OCOG Altimeter Range and Backscatter Quality Flags have lead the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have lead the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have lead the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have lead Bac	_2_20210709T193033_20210709T200553_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T201354_20210709T201401_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20210709T202449_20210709T203719_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I Altimeter Range and Backscatter Quality is set for one or more records. CS_OFFL_SIR_GOPM_2_20210709T203730_20210709T203730_20210709T205500_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and Backscatter Quality, OCOG		e Quality, OCO	
CS_OFFL_SIR_GOPM_2_20210709T202449_20210709T203719_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have I Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I CS_OFFL_SIR_GOPM_2_20210709T203730_20210709T205500_C001 and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I		e Quality, OCO	
CS_OFFL_SIR_GOPM_2_20210709T203730_20210709T205500_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have I	_2_20210709T202449_20210709T203719_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
	_2_20210709T203730_20210709T205500_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T205618_20210709T210042_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records.		e Quality, OCO	
CS_OFFL_SIR_GOPM_2_20210709T211456_20210709T211513_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records.		e Quality, OCO	
	_2_20210709T211616_20210709T212810_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
	_2_20210709T213015_20210709T214505_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
CS_OFFL_SIR_GOPM_2_20210709T214747_20210709T215247_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records.		e Quality, OCO	
	_2_20210709T220200_20210709T221227_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
	_2_20210709T221845_20210709T223341_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.
	_2_20210709T231013_20210709T232345_C001 and	ty, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ity set for one or more records.

CS_OFFL_SIR_GOPM_2_20210709T232704_20210709T233158_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_20210709T233955_20210710T001224_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_20210709T033507_20210709T033630_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_20210709T043617_20210709T043632_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20210709T061259_20210709T061320_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_20210709T112609_20210709T112731_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_20210709T134051_20210709T134314_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_20210709T151146_20210709T151539_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_20210709T233348_20210709T233819_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_20210709T030337_20210709T030428_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_20210709T050306_20210709T050541_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_20210709T132952_20210709T133210_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_20210709T154401_20210709T154426_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_20210709T180250_20210709T180536_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20210709T185410_20210709T185557_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	
CS_OFFL_SIR_GOPR_2_20210709T214505_20210709T214604_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 (20Hz 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.

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Product		Description
CS_OFFL_SIR_GOPN_2_20210709T001540_20210709T001828_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_20210709T002452_20210709T002734_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_20210709T010339_20210709T010501_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_20210709T010542_20210709T010928_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_20210709T012521_20210709T012928_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_20210709T024056_20210709T024621_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_20210709T025538_20210709T025709_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_20210709T042420_20210709T042553_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_20210709T043753_20210709T043915_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_20210709T044335_20210709T044351_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_20210709T045506_20210709T045527_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

Cl., OHL, SR. COMI, Z. 2021070710144, 20210707101016, COMI DDD Attemps (logg) CLASS, SRA	CS_OFFL_SIR_GOPN_2_20210709T050011_20210709T050030_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CL_DPL_SHL_DOPL_Z_XENDOVERDEXS_DD1 Proc Description CL_DPL_SHL_DOPL_Z_XENDOVERDEXS_DD1 D000 Allowed Pace Proc Data PLAN CL_DPL_SHL_DOPL_Z_XENDOVERDEXS_DD1 D000 Allowed Pace Proc Data PLAN CL_DPL_SHL_DOPL_Z_XENDOVERDEXS_DD101 D000 Allowed Pace Proc Data PLAN CL_DPL_SHL_DOPL_Z_XENDOVERDEXS_DD101 D000 Allowed Pace Proc Data PLAN CL_DPL_SHL_DOPL_Z_XENDOVERDEXS_DD101 D000 Allowed Pace Proc Data PLAN CL_DPL_SHL_DOPL_Z_XENDOVERDEXS_DD1011D200 CD1 D000 Allowed Pace Proc	CS_OFFL_SIR_GOPN_2_20210709T051444_20210709T051610_C001		
DRJ_OPT_UBL_DOV_U2_201000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20210709T052128_20210709T052435_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Control Structure Control Structure Control Structure Control Structure Control Structure Control Structure Control Structure The Control Structure Control Structure Control Structure The Control Structure The Control Structure Control Structure Control Structure The Control Structure The Control Structure Control Structure Control Structure The Control Structure The Control Structure Control Structure Control Structure Control Structure The Control Structure Control Structure Control Structure Control Structure The Control Structure Control Structure Control Structure Control Structure The Control Structure Control Structure Control Structure Control Structure The Control Structure Control Structure Control Structure Control Structure The Control Structure Control Structure Control Structure Control Structure The Control Structure Control Structure Control Structure Control Structure The Control Structure Control Structure Control Structure Control Structure The Control Structure Control Structure Control Structure Control Structure The Control Structure Control Structure </td <td>CS_OFFL_SIR_GOPN_2_20210709T063016_20210709T063348_C001</td> <td>OCOG Altimeter Range Quality PLRM,</td> <td></td>	CS_OFFL_SIR_GOPN_2_20210709T063016_20210709T063348_C001	OCOG Altimeter Range Quality PLRM,	
Operation Operation Operation Operation Operation CS, CFL, SR, DOM, 2, 2011076175552, 2011070175552, 2011 Cold Basedate Cashy Files, SRA, OWA The Standard Cashy Files, SRA, OWA CS, CFL, SR, DOM, 2, 2011076175520, 2011070175552, 20110701705574, 2001 COCO Basedater Cashy Files, SRA, OWA The Operation Files, SRA, OWA and Standard Cashy Files, The Standard Cashy Files, The Standard Cashy Files, The Operation Files, SRA, OWA and Standard Cashy Files, The Operation Files,	CS_OFFL_SIR_GOPN_2_20210709T065429_20210709T065719_C001		
CS_0FL_SR_00PL_20218709707302_02107097167302_021 Het Bekenite Oxig (PLM_OCO_ Het Bek	CS_OFFL_SIR_GOPN_2_20210709T070029_20210709T070406_C001		
ConfShi_Conf202000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20210709T075252_20210709T075357_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_DFR_SR_0CPN_2_00110000000_00000 CCCG Barksterf Caulty more moots: CS_OFR_SR_0CPN_2_0011000000000 Americe Range and Backsterf Caulty more moots: CS_OFR_SR_0CPN_2_001100000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20210709T083508_20210709T083743_C001		
CS_OFFL_SIR_GOPN_2_20210799706364 (2210709706369_001 DCCG Althebet Range and Backcatter Cuality The CCCG Barge and Backcatter Cuality Flags have been set for one or one nones. CS_OFFL_SIR_GOPN_2_20210709706364 (2210709706369_001 DCCG Althebet Range and Backcatter Cuality The CCCG Barge and Backcatter Cuality Flags have been set for one or ones. CS_OFFL_SIR_GOPN_2_20210709710345 (22107097106369_001 DCCG Althebet Range Cuality FLAM. The CCCG Barge and Backcatter Cuality Flags have been set for one or ones. CS_OFFL_SIR_GOPN_2_202107097110345 (22107097102634_001 DCCG Althebet Range Cuality FLAM. The CCCG Barge and Backcatter Cuality Flags have been set for one or ones. CS_OFFL_SIR_GOPN_2_202107097110345 (22107097110264_001) DCCG Althebet Range Cuality FLAM. The CCCG Barge and Backcatter Cuality Flags have been set for one or ones. CS_OFFL_SIR_GOPN_2_202107097110345 (22107097110264_001) DCCG Althebet Range Cuality FLAM. The CCCG Barge and Backcatter Cuality Flags have been set for one or ones. CS_OFFL_SIR_GOPN_2_202107097110345 (22107097110267_001) DCCG Althebet Range Cuality FLAM. The CCCG Barge and Backcatter Cuality Flags have been set for one or one or ones. CS_OFFL_SIR_GOPN_2_202107097112058 (2017097112059_001) DCCG Althebet Range Cuality FLAM. The CCCG Barge and Backcatter Cuality Flags have been set for one or one or ones. CS_OFFL_SIR_GOPN_2_202107097112059_2010 DCCG Althebet Range Cuality FLAM. The CCCG Barge and Backcatter Cuality Flags have bee	CS_OFFL_SIR_GOPN_2_20210709T083937_20210709T084212_C001		
Corpert_Sitt, Corpert_Sitt, Corpert 2, 20210700711010829_0001 DCCG Backscatter Quality Flags The CCCOR Range and Backscatter Quality Flags have been set for one proceeds. Cis_OFFL_SIR_GOPN_2_2021070071101082_0001 DCCG Altereter Range Quality PLRM. The CCCOR Range and Backscatter Quality Flags have been set for one proceeds. Cis_OFFL_SIR_GOPN_2_202107007110087_202107007110082_0001 DCCG Altereter Range Quality PLRM. The CCCOR Range and Backscatter Quality Flags have been set for one proceeds. Cis_OFFL_SIR_GOPN_2_202107007110087_202107007111105_C001 DCCG Altereter Range Quality PLRM. The CCCCR Range and Backscatter Quality Flags have been set for one proceeds. Cis_OFFL_SIR_GOPN_2_202107007110087_202107007111105_C001 DCCG Altereter Range Quality PLRM. The CCCCR Range and Backscatter Quality Flags have been set for one proceeds. Cis_OFFL_SIR_GOPN_2_202107007120209_20210700712000_C001 DCCG Altereter Range Quality PLRM. The CCCCR Range and Backscatter Quality Flags have been set for one or none records. Cis_OFFL_SIR_GOPN_2_202107007120209_202107007120807_C001 DCCGG Altereter Range Quality PLRM. The CCCCR Range and Backscatter Quality Flags have been set for one or none records. Cis_OFFL_SIR_GOPN_2_20210700712034_202107007120347_C001 DCCGG Altereter Range Quality PLRM. The CCCCR Range and Backscatter Quality Flags have been set for one or none records. Cis_OFFL_SIR_GOPN_2_2021070071421440_202107007112347_C001 DCCGG Altereter Range	CS_OFFL_SIR_GOPN_2_20210709T084419_20210709T084601_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCG Bassacter Qualty PLRN, Coc QCG Alimeter Range Qualty PLRN, The OCGR Bassacter Qualty PLRB, SNH, SNH, SNH, SNH, SNH, SNH, SNH, SNH	CS_OFFL_SIR_GOPN_2_20210709T093544_20210709T093659_C001		
CS_OFFL_SIR_GOPN_2_20210709T102342_0210709T102524_C001 and Backscatter Quality Flag Number Range Range And Backscatter Quality Flag Number Range Range And Backscatter Quality Flag Number Range Range Range SSHA, SWH and Backscatter Quality Flag Number Range Range Range Chally FLRM, COCG Altimeter Range Quality FLRM, COCG Altimeter Range Altimeter	CS_OFFL_SIR_GOPN_2_20210709T101043_20210709T101627_C001		
CS_OFFL_SIR_GOPN_2_20210709T11736_20210709T111858_C001 OCC00 Backscatter Quality PLRM, COC00 Backscatter Quality	CS_OFFL_SIR_GOPN_2_20210709T102345_20210709T102524_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Coord Coord Coord Coord Number Page COOrd Backscatter Quality or more records. CS_OFFL_SIR_GOPN_2_20210709T120288_20210709T120507_C001 Cooran Altimeter Range and Backscatter Quality PLRM, and Backscatter Quality PLRM, DOCO Altimeter Range and Backscatter Quality PLRM. The Occord Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_GOPN_2_20210709T123834_20210709T123852_C001 COCCO Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T124946_20210709T123847_C001 COCCO Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T14215_20210709T142135_C001 COCCO Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T14215_20210709T142135_C001 COCCO Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T152130_20210709T151539_C001 COCCO Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T152130_20210709T152256_C001 COCGA Altimeter Range ADBackscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T162165_20210709T161359_C001 OCOCGA Altimeter Range Quality PLRM. The	CS_OFFL_SIR_GOPN_2_20210709T110947_20210709T111157_C001		
GS_OFFL_SIR_GOPN_2_20210709T120258_20210709T120507_C001 and Backscatter Quality PLRM, OCO Inte Outsin A mange and Backscatter Quality inggs and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T123834_20210709T123835_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T124946_20210709T125347_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T142115_20210709T142135_C001 OCOG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T15139_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T152130_20210709T152256_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Altimeter Range Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T165134_20210709T165447_C001 OCOG Altimeter Range Altither Range Altither Range Altimeter Range Altimeter Range	CS_OFFL_SIR_GOPN_2_20210709T111736_20210709T111858_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	
CS_OFFL_SIR_GOPN_2_20210709T124346_20210709T125347_C001 OCOG Backscatter Quality Drew records. CS_OFFL_SIR_GOPN_2_20210709T124346_20210709T125347_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality CS_OFFL_SIR_GOPN_2_20210709T142115_20210709T142135_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPN_2_20210709T142115_20210709T142135_C001 Ocean Altimeter Range Quality PLRM, OCCG The Ocean Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPN_2_20210709T151146_20210709T151539_C001 OCOG Altimeter Range Quality PLRM, OCCG The OCOG Range and Backscatter Quality CS_OFFL_SIR_GOPN_2_20210709T152130_20210709T152256_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCCG Altimeter Range and Backscatter Quality The OCCG Range and Backscatter Quality FLRM, OCCG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPN_2_20210709T161245_20210709T161359_C001 OCCG Altimeter Range Quality PLRM, OCCG Range and Backscatter Quality FLRM, OCCG Range and Backscatter Quality The OCCG Range and Backscatter Quality FLRM, OCCG Range and Backscatter Qual	CS_OFFL_SIR_GOPN_2_20210709T120258_20210709T120507_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20210709T142115_20210709T142135_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_GOPN_2_20210709T142115_20210709T142135_C001 Ocean Altimeter Range ANLINGER RANGE ANLIN	CS_OFFL_SIR_GOPN_2_20210709T123834_20210709T123852_C001		
CS_OFFL_SIR_GOPN_2_20210709T142115_20210709T142135_C001 Integer Range and Backscatter Quality PLRM, COG CS_OFFL_SIR_GOPN_2_20210709T151146_20210709T151539_C001 OCOG Altimeter Range and Backscatter Quality PLRM, COG CS_OFFL_SIR_GOPN_2_20210709T151146_20210709T151539_C001 OCOG Altimeter Range and Backscatter Quality PLRM, COG CS_OFFL_SIR_GOPN_2_20210709T152130_20210709T152256_C001 OCOG Altimeter Range Quality PLRM, COG CS_OFFL_SIR_GOPN_2_20210709T152130_20210709T152256_C001 OCOG Altimeter Range Quality PLRM, COG CS_OFFL_SIR_GOPN_2_20210709T161245_20210709T161359_C001 OCOG Altimeter Range Quality PLRM, COG CS_OFFL_SIR_GOPN_2_20210709T161245_20210709T161359_C001 OCOG Altimeter Range Quality PLRM, COG CS_OFFL_SIR_GOPN_2_20210709T16134_20210709T161359_C001 OCOG Altimeter Range Quality PLRM, COG Gattimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T165134_20210709T165447_C001 OCOG Altimeter Range Quality PLRM, COG Gattimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T173351_20210709T173418_C001 OCOG Altimeter Range Quality PLRM, COG Gattimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T173418_C001 OCOG Altimeter Range Quality PLRM, COG Gattimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T173418_C001 OCOG Alt	CS_OFFL_SIR_GOPN_2_20210709T124946_20210709T125347_C001	OCOG Backscatter Quality	
CS_OFFL_SIR_GOPN_2_20210709T151146_20210709T151359_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_GOPN_2_20210709T152130_20210709T152256_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T161245_20210709T161359_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T165134_20210709T165447_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T173351_20210709T173418_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_20210709T173418_20210709T173425_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T173418_20210709T173425_C001 OCCOG Altimeter Range Quality PLRM, OCOG Altimeter Range And Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20210709T142115_20210709T142135_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20210709T152130_20210709T152256_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, or or or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T161245_20210709T161359_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T165134_20210709T165447_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T17351_20210709T173418_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T173418_20210709T173418_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T173418_20210709T173425_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_GOPN_2_20210709T182309_20210709T183326_C001 Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The	CS_OFFL_SIR_GOPN_2_20210709T151146_20210709T151539_C001		
CS_OFFL_SIR_GOPN_2_20210709T165134_20210709T165447_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_GOPN_2_20210709T165134_20210709T165447_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_20210709T173351_20210709T173418_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T173418_20210709T173425_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T173418_20210709T173425_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T182309_20210709T183326_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T190314_20210709T190400_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20210709T152130_20210709T152256_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20210709T165134_20210709T165447_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_GOPN_2_20210709T173351_20210709T173418_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_20210709T173418_20210709T173418_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_20210709T173418_20210709T173425_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T182909_20210709T183326_C001 OCOG Altimeter Range and Backscatter Quality PLRM The OCean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T190314_20210709T190400_C001 OCOG Altimeter Range Quality PLRM, PLRM The OCOG Range and Backscatter Quality Flags have been set for one	CS_OFFL_SIR_GOPN_2_20210709T161245_20210709T161359_C001		
CS_OFFL_SIR_GOPN_2_20210709T173418_20210709T173416_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_GOPN_2_20210709T173418_20210709T173425_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_20210709T182909_20210709T183326_C001 Ocog Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T182909_20210709T183326_C001 Ocog Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20210709T190314_20210709T190400_C001 Ocog Altimeter Range Quality PLRM, The Ocog Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20210709T165134_20210709T165447_C001		
CS_OFFL_SIR_GOPN_2_20210709T173418_20210709T173425_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_GOPN_2_20210709T182909_20210709T183326_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_20210709T190314_20210709T190314_20210709T190400_C001 OCOG Altimeter Range Quality PLRM, OCOG The OCean Altimeter Range and Backscatter Quality Flags have been set for one	CS_OFFL_SIR_GOPN_2_20210709T173351_20210709T173418_C001		
CS_OFFL_SIR_GOPN_2_20210709T182909_20210709T183326_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one	CS_OFFL_SIR_GOPN_2_20210709T173418_20210709T173425_C001	OCOG Backscatter Quality	
CS DEEL SIR GOPN 2 202107091190314 202107091190400 CO01	CS_OFFL_SIR_GOPN_2_20210709T182909_20210709T183326_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
or more records.	CS_OFFL_SIR_GOPN_2_20210709T190314_20210709T190400_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

	OCOG Altimator Rango Quality PLRM	The OCOC Papers and Packscatter Quality Flags have been set for one
CS_OFFL_SIR_GOPN_2_20210709T191652_20210709T191739_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_20210709T191834_20210709T192239_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_20210709T201646_20210709T201832_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_20210709T205500_20210709T205617_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_20210709T210042_20210709T210135_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_20210709T215448_20210709T215709_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_20210709T221711_20210709T221845_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_20210709T223533_20210709T223750_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_20210709T233348_20210709T233819_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_20210709T010928_20210709T011812_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_20210709T015331_20210709T015522_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_20210709T033307_20210709T033506_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_20210709T034552_20210709T034929_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_20210709T043219_20210709T043448_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_20210709T043723_20210709T043753_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_20210709T051127_20210709T051444_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_20210709T052435_20210709T052828_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_20210709T060403_20210709T061119_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_20210709T061758_20210709T062133_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_20210709T065039_20210709T065429_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_20210709T070406_20210709T070745_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_20210709T074405_20210709T074516_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_20210709T074531_20210709T075017_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_20210709T082808_20210709T083508_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_20210709T092305_20210709T092859_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_20210709T095047_20210709T095455_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_20210709T110624_20210709T110947_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_20210709T120508_20210709T120611_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_20210709T122734_20210709T122812_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_20210709T122858_20210709T122933_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_20210709T124151_20210709T124900_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_20210709T132952_20210709T133210_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_20210709T134314_20210709T134545_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_20210709T150807_20210709T151146_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_20210709T155850_20210709T155920_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_20210709T160310_20210709T161100_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_20210709T161158_20210709T161244_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_20210709T164730_20210709T165134_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_20210709T170112_20210709T170351_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_20210709T170940_20210709T171434_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_20210709T174127_20210709T175035_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_20210709T182648_20210709T182908_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_20210709T184027_20210709T184406_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_20210709T192239_20210709T193033_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_20210709T201832_20210709T202449_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_20210709T203719_20210709T203729_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_20210709T215709_20210709T220200_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_20210709T223341_20210709T223455_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_20210709T224051_20210709T224750_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_20210709T230126_20210709T231013_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_20210709T232345_20210709T232458_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.
I 2 Quality Flags (1 Hz & 1Hz PI RM)		

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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> 1Hz and 1Hz 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 (20Hz)

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: 69

L2 Retracking Flags (20Hz, 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.

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Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20210708T233316_20210709T002255_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_20210709T002255_20210709T011231_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20210709T011231_20210709T020210_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_20210709T020210_20210709T025145_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_20210709T025145_20210709T034125_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_20210709T034125_20210709T043100_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_20210709T043100_20210709T052039_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_20210709T052039_20210709T061015_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_20210709T061015_20210709T065954_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_20210709T065954_20210709T074929_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_20210709T074929_20210709T083909_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_20210709T083909_20210709T092844_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_220210709T092844_20210709T101823_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220210709T101823_20210709T110759_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20210709T110759_20210709T115738_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_20210709T115738_20210709T124713_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_20210709T124713_20210709T133653_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_20210709T133653_20210709T142628_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_20210709T142628_20210709T151607_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20210709T151607_20210709T160543_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_20210709T160543_20210709T165522_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_20210709T165522_20210709T174457_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_220210709T174457_20210709T183437_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_20210709T183437_20210709T192412_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220210709T192412_20210709T201351_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_20210709T201351_20210709T210327_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_220210709T210327_20210709T215306_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_20210709T215306_20210709T224241_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20210709T224241_20210709T233220_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_20210709T233220_20210710T002156_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

6.5 P2P 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_220210709T210327_20210709T215306_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 (20Hz)

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.

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28

Number of products with errors:

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

P2P Quality Flags (1 Hz & 1Hz 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:

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

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

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

Number of products with errors:

P2P Retracking Flags PLRM

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

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

Number of products with errors:

30