

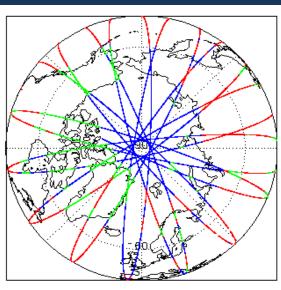
1. Overview

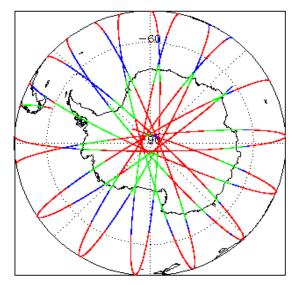
Report Production:	14-Jan-2021	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP)	

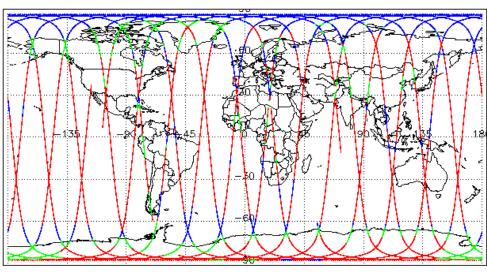
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1, 7.2 and 7.3

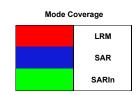
N	Mission / Instru	ment News
	07-Dec-2020	None
	08-Dec-2020	None
	09-Dec-2020	Nothing planned

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).

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

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:

Ω

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:

Ο

12

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN1B_20201208T033910_20201208T033958_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201208T052129_20201208T052403_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201208T084005_20201208T084221_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201208T094312_20201208T094734_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201208T134357_20201208T134433_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201208T184131_20201208T184520_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20201208T215946_20201208T220201_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20201208T032951_20201208T033328_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20201208T133614_20201208T134357_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20201208T191806_20201208T192508_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20201208T201343_20201208T201850_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20201208T233114_20201208T233445_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:

0

5.4 L2 Auxiliary Correction Error Check

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

Currently, there are some common auxiliary correction errors raised in the Level 2 products 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.

Number of products with errors:

54

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20201208T073047_20201208T073148_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_20201208T011258_20201208T011418_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_20201208T011510_20201208T011703_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), 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_20201208T025248_20201208T025612_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_20201208T035129_20201208T035404_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_20201208T043151_20201208T043512_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_20201208T052129_20201208T052403_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_20201208T061915_20201208T062037_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_20201208T070202_20201208T070306_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_20201208T075627_20201208T075828_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_20201208T084005_20201208T084221_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_20201208T101547_20201208T102055_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_20201208T111547_20201208T111803_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_20201208T115340_20201208T115919_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_20201208T133154_20201208T133614_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20201208T142517_20201208T142641_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_20201208T151345_20201208T151538_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_20201208T160448_20201208T160614_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_20201208T161128_20201208T161430_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_20201208T174451_20201208T174756_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_20201208T175030_20201208T175542_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_20201208T184131_20201208T184520_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20201208T192509_20201208T192743_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_20201208T202017_20201208T202133_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_20201208T202343_20201208T202629_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_20201208T210008_20201208T210617_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_20201208T215946_20201208T220201_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_20201208T224230_20201208T224411_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_20201208T233910_20201208T234355_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_20201208T002527_20201208T003031_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_20201208T020258_20201208T021233_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_20201208T034330_20201208T035129_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_20201208T051240_20201208T051608_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_20201208T052404_20201208T053200_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_20201208T070307_20201208T071026_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_20201208T083338_20201208T083511_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the 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_GOPR_2_20201208T084222_20201208T084344_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_20201208T084344_20201208T084909_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_20201208T102056_20201208T102619_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_20201208T115919_20201208T120434_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_20201208T120434_20201208T120847_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_20201208T133614_20201208T134357_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_20201208T151539_20201208T152218_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_20201208T152218_20201208T152513_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_20201208T165350_20201208T170118_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_20201208T170118_20201208T170311_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_20201208T183540_20201208T184014_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_20201208T184014_20201208T184131_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_20201208T195203_20201208T195319_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_20201208T201343_20201208T201850_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_20201208T201850_20201208T202017_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_20201208T215526_20201208T215946_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_20201208T233058_20201208T233114_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_20201208T233114_20201208T233445_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_20201208T233502_20201208T233910_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

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.

Number of products with errors: 82

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20201207T234607_20201208T001043_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_20201208T004303_20201208T010939_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_20201208T011703_20201208T012307_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_20201208T020053_20201208T020257_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.

DOCS Prince Prince Description Docs Doc	CS_OFFL_SIR_GOPM_2_20201208T021612_20201208T024906_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.
and Sendester Dealth, CODIA Application Regime and Education Classify Regis have been seen and the CODIA Afferded Plays and Behavioration Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984) and Education Classify Regis have been seen and the CODIA Afferded Plays (1984)	CS_OFFL_SIR_GOPM_2_20201208T025612_20201208T030138_C001		
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See CHILL SIN COMM 2 CONTINUENT SIGNAL CONTINUENTS AND CONTINUENT SIGNAL CONTINUENT	CS_OFFL_SIR_GOPM_2_20201208T033958_20201208T034009_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Seg. OFFL_SR_GOPM_2_20010001000304_20011001000304_0001001000304_0001001000304_0001001000304_0001001000304_0001001000304_00010001000304_00010000304_00010000304_00010000304_000100304_000100	CS_OFFL_SIR_GOPM_2_20201208T034014_20201208T034330_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Beakerstein Causily, COCO Affinisher Range and Beakerstein Causily Flags have been set for one or more records. CB_OFFL_SIR_GOPM_2_20201209T04512_20201209T04517_0001 CB_OFFL_SIR_GOPM_2_20201209T04512_20201209T04517_0001 CB_OFFL_SIR_GOPM_2_20201209T04512_20201209T04517_0001 CB_OFFL_SIR_GOPM_2_20201209T04512_20201209T04517_0001 CB_OFFL_SIR_GOPM_2_20201209T04514_20201209T05501_0001 CB_OFFL_SIR_GOPM_2_20201209T04514_20201209T05501_0001 CB_OFFL_SIR_GOPM_2_20201209T05501_0001 CB_OFFL_SIR_GOPM_2_20201209T05501_0001001707400_0001 CB_OFFL_SIR_GOPM_2_20201209T05501_0001001707400_0001 CB_OFFL_SIR_GOPM_2_20201209T0570501_0001001707400_0001 CB_OFFL_SIR_GOPM_2_20201209T0570502_0001001707400_0001 CB_OFFL_SIR_GOPM_2_20201209T0570502_0001001707400_0001 CB_OFFL_SIR_GOPM_2_20201209T0570502_0001001707400_0001 CB_OFFL_SIR_GOPM_2_20201209T0570502_0001001707400_0001 CB_OFFL_SIR_GOPM_2_20201209T0570502_0001001707400_0001 CB_OFFL_SIR_GOPM_2_20201209T0570502_0001001707400_0	CS_OFFL_SIR_GOPM_2_20201208T035534_20201208T040414_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Bedesceiter Clustry CS_CFFL_SRF_GCPM_2_202012081764312_202012081706204_C001 CS_CFFL_SRF_GCPM_2_2020120817644514_202012081706204_C001 CS_CFFL_SRF_GCPM_2_202012081764514_202012081706204_C001 CS_CFFL_SRF_GCPM_2_202012081766316_202012081706204_C001 CS_CFFL_SRF_GCPM_2_202012081766316_202012081706204_C001 CS_CFFL_SRF_GCPM_2_202012081766316_202012081706204_C001 CS_CFFL_SRF_GCPM_2_202012081766316_202012081706204_C001 CS_CFFL_SRF_GCPM_2_202012081766316_2020120817061616_C001 CS_CFFL_SRF_GCPM_2_202012081766216_2020120817061616_C001 CS_CFFL_SRF_GCPM_2_2020120817662816_2020120817061616_C001 CS_CFFL_SRF_GCPM_2_2020120817071616_C001 CS_CFFL_SRF_GCPM_2_2020120817071617447_C001 CS_CFFL_SRF_GCPM_2_2020120817071617447_C001 CS_CFFL_SRF_GCPM_2_2020120817071617447_C001 CS_CFFL_SRF_GCPM_2_2020120817071617447_C001 CS_CFFL_SRF_GCPM_2_2020120817071620102_2020120817071617447_C001 CS_CFFL_SRF_GCPM_2_2020120817071620102_2020120817071617447_C001 CS_CFFL_SRF_GCPM_2_2020120817071620102_2020120	CS_OFFL_SIR_GOPM_2_20201208T040659_20201208T042858_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscafer Coulty CS_OFFL_SIR_GOPM_2_20001038104464_200109100004_0001 CS_OFFL_SIR_GOPM_2_20001038104464_200109100004_0001 CS_OFFL_SIR_GOPM_2_200010381045038_2001109100004_0001 CS_OFFL_SIR_GOPM_2_200010381045038_2001109100004_0001 CS_OFFL_SIR_GOPM_2_200010381045038_2001109100004_0001 CS_OFFL_SIR_GOPM_2_200010381045039_2001109100004_0001 CS_OFFL_SIR_GOPM_2_200010381045039_2001109100004_0001 CS_OFFL_SIR_GOPM_2_200010381045039_2001109100004_0001 CS_OFFL_SIR_GOPM_2_200010381045039_2001109100044_0001 CS_OFFL_SIR_GOPM_2_200010381070004_0001 CS_OFFL_SIR_GOPM_2_200010381070004_0001 CS_OFFL_SIR_GOPM_2_200010381070004_0001 CS_OFFL_SIR_GOPM_2_2000103810700044_0001 CS_OFFL_SIR_GOPM_2_2000103810700044_0001 CS_OFFL_SIR_GOPM_2_2000103810700044_0001 CS_OFFL_SIR_GOPM_2_2000103810700044_0001 CS_OFFL_SIR_GOPM_2_2000103810700044_0001 CS_OFFL_SIR_GOPM_2_2000103810700044_0001 CS_OFFL_SIR_GOPM_2_2000103810700044_0001 CS_OFFL_SIR_GOPM_2_2000103810700040004000400040040040040040040040040	CS_OFFL_SIR_GOPM_2_20201208T043512_20201208T043617_C001		
and the COGO Altmeter Range and Backscatter Quality Flags have been and the COGO Altmeter Range and Backscatter Quality Flags have been and the Cogo Altmeter Range and Backscatter Quality Flags have been and the Cogo Altmeter Range and Backscatter Quality Flags have been and the Cogo Altmeter Range and Backscatter Quality Flags have been set for one or more records. SOFFL_SIR_GOPM_2_20201208T06134_20201208T061518_C001 SOFFL_SIR_GOPM_2_20201208T06104_20201208T061518_C001 SOFFL_SIR_GOPM_2_20201208T06104_20201208T061518_C001 SOFFL_SIR_GOPM_2_20201208T06104_20201208T076574_C001 SOFFL_SIR_GOPM_2_20201208T0760518_20201208T076574_C001 SOFFL_SIR_GOPM_2_20201208T071407_20201208T07455_C001 SOFFL_SIR_GOPM_2_20201208T071407_20201208T074705_C001 SOFFL_SIR_GOPM_2_20201208T071407_20201208T074705_C001 SOFFL_SIR_GOPM_2_20201208T071407_20201208T074705_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T074705_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T074705_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T074705_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T074705_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T074705_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T074407_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T074407_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T074407_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T075447_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T075447_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T075447_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T075447_C001 SOFFL_SIR_GOPM_2_20201208T074307_20201208T075447_C001 SOFFL_SIR_GOPM_2_20201208T0764307_20201208T076447_C001 SOFFL_SIR_GOPM_2_20201208T0764307_20201208T076447_C001 SOFFL_SIR_GOPM_2_20201208T0764307_20201208T076447_C001 SOFFL_SIR_GOPM_2_20201208T0764307_20201208T076447_C001 SOFFL_SIR_GOPM_2_20201208T0764307_20201208T0764307_C001 SOFFL_SIR_GOPM_2_20201208T0764307_20201208T0764307_C001 SOFFL_SIR_GOPM_2_20201208T0764307_20201208T07	CS_OFFL_SIR_GOPM_2_20201208T043621_20201208T044030_C001		
and Backcaster Guality, CCOG Alternetr Range and Backcaster Cuality Flags have been set to one or more records. CS_OFFL_SIR_GOPM_2_20201208100434_202012081061616_C001 CS_OFFL_SIR_GOPM_2_202012081062816_202012081095746_C001 CS_OFFL_SIR_GOPM_2_202012081062816_202012081095746_C001 CS_OFFL_SIR_GOPM_2_202012081062816_202012081095746_C001 CS_OFFL_SIR_GOPM_2_202012081074417_202012081077450_C001 CS_OFFL_SIR_GOPM_2_202012081077450_202012081077455_C001 CS_OFFL_SIR_GOPM_2_202012081077450_202012081077455_C001 CS_OFFL_SIR_GOPM_2_202012081077450_202012081077455_C001 CS_OFFL_SIR_GOPM_2_202012081077450_202012081077455_C001 CS_OFFL_SIR_GOPM_2_202012081077450_202012081077455_C001 CS_OFFL_SIR_GOPM_2_202012081077450_202012081077455_C001 CS_OFFL_SIR_GOPM_2_202012081077450_202012081077455_C001 CS_OFFL_SIR_GOPM_2_202012081077450_202012081077455_C001 CS_OFFL_SIR_GOPM_2_202012081077450_202012081077455_C001 CS_OFFL_SIR_GOPM_2_202012081077450_202012081077450_C001 CS_OFFL_SIR_GOPM_2_202012081077450_202012081077545_C001 CS_OFFL_SIR_GOPM_2_202012081077540_202012081077545_C001 CS_OFFL_SIR_GOPM_2_202012081077540_202012081077545_C001 CS_OFFL_SIR_GOPM_2_202012081077540_202012081077545_C001 CS_OFFL_SIR_GOPM_2_202012081077540_202012081075547_C001 CS_OFFL_SIR_GOPM_2_202012081075540_202012081075547_C001 CS_OFFL_SIR_GOPM_2_202012081085311_2020120810755338_C001 CS_OFFL_SIR_GOPM_2_202012081085311_202012081085338_C001 CS_OFFL_SIR_GOPM_2_202012081085311_202012081085315_C001 CS_OFFL_SIR_GOPM_2_202012081085311_202012081085338_C001 CS_OFFL_SIR_GOPM_2_202012081085311_202012081085315_C001 CS_OFFL_SIR_GOPM_2_202012081085311_202012081085315_C001 CS_OFFL_SIR_GOPM_2_202012081085311_202012081085315_C001 CS_OFFL_SIR_GOPM_2_202012081085311_202012081085315_C001 CS_OFFL_SIR_GOPM_2_202012081085311_202012081085315_C001 CS_OFFL_SIR_GOPM_2_202012081085311_202012081085315_C001 CS_OFFL_SIR_GOPM_2_202012081085311_202012081085315_C001 CS_OFFL_SIR_GOPM_2_202012081085311_202012081085315_C001 CS_OFFL_SIR_GOPM_2_202012081085311_202012081085315_C	CS_OFFL_SIR_GOPM_2_20201208T044514_20201208T050204_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20201208T002016_20201208T07549_C001 CS_OFFL_SIR_GOPM_2_20201208T071417_20201208T07519_C001 CS_OFFL_SIR_GOPM_2_20201208T071439_20201208T07545_C001 CS_OFFL_SIR_GOPM_2_20201208T071639_20201208T07545_C001 CS_OFFL_SIR_GOPM_2_20201208T071639_20201208T07545_C001 CS_OFFL_SIR_GOPM_2_20201208T073207_20201208T07545_C001 CS_OFFL_SIR_GOPM_2_20201208T073207_20201208T07545_C001 CS_OFFL_SIR_GOPM_2_20201208T075307_20201208T07545_C001 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001 CCS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001 CCS_OFFL_SIR_GOPM_2_20201208T075434_20201208T085338_C001 CCS_OFFL_SIR_GOPM_2_20201208T085311_20201208T085338_C001 CCS_OFFL_SIR_GOPM_2_20201208T085311_20201208T085316_C001 CCS_OFFL_SIR_GOPM_2_20201208T085311_20201208T085338_C001 CCS_OFFL_SIR_GOPM_2_20201208T085311_20201208T085338_C001 CCS_OFFL_SIR_GOPM_2_20201208T085311_20201208T085338_C001 CCS_OFFL_SIR_GOPM_2_20201208T085311_20201208T085338_C001 CCS_OFFL_SIR_GOPM_2_20201208T085311_20201208T085338_C001 CCS_OFFL_SIR_GOPM_2_2	CS_OFFL_SIR_GOPM_2_20201208T053358_20201208T060730_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20201208T097417_20201208T0971519_C001 CS_OFFL_SIR_GOPM_2_20201208T0971417_20201208T0971519_C001 CS_OFFL_SIR_GOPM_2_20201208T0971417_20201208T0972455_C001 CS_OFFL_SIR_GOPM_2_20201208T0971439_20201208T0972455_C001 CS_OFFL_SIR_GOPM_2_20201208T097403_20201208T0972455_C001 CS_OFFL_SIR_GOPM_2_20201208T097403_20201208T0974705_C001 CS_OFFL_SIR_GOPM_2_20201208T0973207_20201208T0974705_C001 CS_OFFL_SIR_GOPM_2_20201208T0973207_20201208T0974705_C001 CS_OFFL_SIR_GOPM_2_20201208T0973207_20201208T0974705_C001 CS_OFFL_SIR_GOPM_2_20201208T0973405_20201208T097447_C001 CS_OFFL_SIR_GOPM_2_20201208T097443_20201208T097447_C001 CS_OFFL_SIR_GOPM_2_20201208T097443_20201208T097447_C001 CS_OFFL_SIR_GOPM_2_20201208T097443_20201208T097447_C001 CS_OFFL_SIR_GOPM_2_20201208T097443_20201208T097447_C001 CS_OFFL_SIR_GOPM_2_20201208T097443_20201208T097447_C001 CS_OFFL_SIR_GOPM_2_20201208T09434_20201208T097447_C001 CS_OFFL_SIR_GOPM_2_20201208T097443_20201208T097447_C001 CS_OFFL_SIR_GOPM_2_20201208T09434_20201208T097447_C001 CS_OFFL_SIR_GOPM_2_20201208T09434_20201208T097447_C001 CS_OFFL_SIR_GOPM_2_20201208T09434_20201208T095447_C001 CS_OFFL_SIR_GOPM_2_20201208T09434_20201208T095447_C001 CS_OFFL_SIR_GOPM_2_20201208T09434_20201208T0954333_C001 CS_OFFL_SIR_GOPM_2_20201208T09432_20201208T098333_C001 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T098333_C001 CS_OFFL_SIR_GOPM_2_20201208T080321_20201208T098333_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T0985318_C001 CS_OFFL_SIR_GOPM_2_20201208T0985312_20201208T0985318_C001 CS_OFFL_SIR_GOPM_2_20201208T0985312_20201208T0985318_C001 CS_OFFL_SIR_GOPM_2_20201208T0985312_20201208T09957_C001 CS_OFFL_SIR_GOPM_2_20201208T0985312_20201208T09957_C001 CS_OFFL_SIR_GOPM_2_20201208T0985312_20201208T09957_C001 CS_OFFL_SIR_GOPM_2_20201208T0985312_20201208T09957_C001 CS_OFFL_SIR_GOPM_2_20201208T0985312_20201208T09957_C001 CS_OFFL_SIR_GOPM_2_20201208T0985312_20201208T09957_C001 CS_OFFL_SIR_GOPM_2_20201208T0985312_20201208T09957_C001 CS_OFFL_SIR_GOPM_2_20201208T0985312_	CS_OFFL_SIR_GOPM_2_20201208T061034_20201208T061516_C001		
and Backscatter Quality (CS_OFFL_SIR_GOPM_2_20201208T071417_20201208T071455_CO01 CS_OFFL_SIR_GOPM_2_20201208T071639_20201208T072455_CO01 CS_OFFL_SIR_GOPM_2_20201208T071639_20201208T074705_CO01 CS_OFFL_SIR_GOPM_2_20201208T073207_20201208T074705_CO01 CS_OFFL_SIR_GOPM_2_20201208T073207_20201208T074705_CO01 CS_OFFL_SIR_GOPM_2_20201208T073207_20201208T074705_CO01 CS_OFFL_SIR_GOPM_2_20201208T074859_20201208T075415_CO01 CS_OFFL_SIR_GOPM_2_20201208T074859_20201208T075415_CO01 CS_OFFL_SIR_GOPM_2_20201208T074859_20201208T075415_CO01 CS_OFFL_SIR_GOPM_2_20201208T074859_20201208T075417_CO01 CS_OFFL_SIR_GOPM_2_20201208T075402_20201208T075427_CO01 CS_OFFL_SIR_GOPM_2_20201208T075402_20201208T075627_CO01 CS_OFFL_SIR_GOPM_2_20201208T076402_20201208T075627_CO01 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T08338_CO01 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T08338_CO01 CS_OFFL_SIR_GOPM_2_20201208T083311_20201208T08338_CO01 CS_OFFL_SIR_GOPM_2_20201208T083311_20201208T09857_CO01 CS_OFFL_SIR_GOPM_2_20201208T083311_20201208T0985	CS_OFFL_SIR_GOPM_2_20201208T062616_20201208T065748_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been at the Cognot Altimeter Range and Backscatter Quality Flags have been at the Cognot Altimeter Range and Backscatter Quality Flags have been at the Cognot Altimeter Range and Backscatter Quality Flags have been at the Cognot Altimeter Range and Backscatter Quality Flags have been at the Cognot Altimeter Range and Backscatter Quality Flags have been at the Cognot Altimeter Range and Backscatter Quality Flags have been set to consort on the cognot Rational Rational Rational Rational Range Altimeter Range and Backscatter Quality Flags have been set to consort on the Range and Backscatter Quality Flags have been set to consort records. CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001 CS_OFFL_SIR_GOPM_2_20201208T075450_20201208T075627_C001 CS_OFFL_SIR_GOPM_2_20201208T075450_20201208T075627_C001 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_C001 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_C001 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_C001 CS_OFFL_SIR_GOPM_2_20201208T0805311_20201208T083308_C001 CS_OFFL_SIR_GOPM_2_20201208T085311_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_	CS_OFFL_SIR_GOPM_2_20201208T071417_20201208T071519_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the COCO Altimeter Range and Backscatter Quality, COCO Altimeter Range and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_GOPM_2_20201208T074859_20201208T075415_CO01 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_CO01 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_CO01 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_CO01 CS_OFFL_SIR_GOPM_2_20201208T075450_20201208T075627_CO01 CS_OFFL_SIR_GOPM_2_20201208T075450_20201208T075627_CO01 CS_OFFL_SIR_GOPM_2_20201208T075450_20201208T075627_CO01 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_CO01 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_CO01 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T083338_CO01 CS_OFFL_SIR_GOPM_2_20201208T08202_20201208T083338_CO01 CS_OFFL_SIR_GOPM_2_20201208T08202_20201208T083338_CO01 CS_OFFL_SIR_GOPM_2_20201208T083511_20201208T083538_CO01 CS_OFFL_SIR_GOPM_2_20201208T083511_20201208T083538_CO01 CS_OFFL_SIR_GOPM_2_20201208T083511_20201208T085318_CO01 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_CO01 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_CO01 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_CO01 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_CO01 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_CO01 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_CO01 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T09957_CO01 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T09957_CO01 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T09957_CO01 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T095547_CO01 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T095547_CO01 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T095547_CO01 CS_OFFL_SIR_GOPM_2_20201208T095342_20201208T095547_CO01 CS_OFFL_SIR_GOPM_2_20201208T095342_20201208T095547_CO01 CS_OFFL_SIR_GOPM_2_20201208T095342_20201208T095547_CO01 CS_OFFL_SIR_GOPM_2_20201208T095342_20201208T095547_CO01 CS_OFFL_SIR_GOPM_2_20201208T095342_20201208T095547_CO01 CS_OFFL_SIR_GOPM_2_20201208T095342_20201208T095547_CO01 CS_OFFL_SIR_GOPM_2_2020120	CS_OFFL_SIR_GOPM_2_20201208T071639_20201208T072455_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001 CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075627_C001 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T075627_C001 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_C001 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_C001 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_C001 CS_OFFL_SIR_GOPM_2_20201208T082202_20201208T083338_C001 CS_OFFL_SIR_GOPM_2_20201208T082202_20201208T083338_C001 CS_OFFL_SIR_GOPM_2_20201208T082202_20201208T083338_C001 CS_OFFL_SIR_GOPM_2_20201208T083511_20201208T083603_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T090557_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T090557_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T090557_C001 CS_OFFL_SIR_GOPM_2_20201208T09137_20201208T090557_C001 CS_OFFL_SIR_GOPM_2_	CS_OFFL_SIR_GOPM_2_20201208T073207_20201208T074705_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20201208T075450_20201208T075627_C001 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_C001 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_C001 CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_C001 CS_OFFL_SIR_GOPM_2_20201208T0802202_20201208T083338_C001 CS_OFFL_SIR_GOPM_2_20201208T082202_20201208T083338_C001 CS_OFFL_SIR_GOPM_2_20201208T082202_20201208T08338_C001 CS_OFFL_SIR_GOPM_2_20201208T083511_20201208T083603_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085934_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085934_20201208T09957_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T093327_C001 CCG_Altimeter Range Quality, CCCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T093327_C001 CCG_Altimeter Range Quality, CCCG_Altimeter Range and Backscatter Quality Flags have been se	CS_OFFL_SIR_GOPM_2_20201208T074859_20201208T075415_C001		, ,
Backscatter Quality CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_C001 Doean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Set for one or more records. CS_OFFL_SIR_GOPM_2_20201208T083511_20201208T083603_C001 CS_OFFL_SIR_GOPM_2_20201208T085311_20201208T085318_C001 DOEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085934_20201208T09957_C001 DOEAN Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DOEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more	CS_OFFL_SIR_GOPM_2_20201208T075434_20201208T075447_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20201208T082202_20201208T083338_C001 CS_OFFL_SIR_GOPM_2_20201208T082202_20201208T083338_C001 CS_OFFL_SIR_GOPM_2_20201208T083511_20201208T083603_C001 CS_OFFL_SIR_GOPM_2_20201208T083511_20201208T083603_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001 CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T09557_C001 CS_OFFL_SIR_GOPM_2_20201208T085934_20201208T090957_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547	CS_OFFL_SIR_GOPM_2_20201208T075450_20201208T075627_C001		
CS_OFFL_SIR_GOPM_2_20201208T082202_20201208T083338_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. 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 and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCGA Altimeter Range Quality, OCOG Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set or one or more records. OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set or one or more records.	CS_OFFL_SIR_GOPM_2_20201208T080427_20201208T081754_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20201208T083511_20201208T083603_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T095318_C001 CS_OFFL_SIR_GOPM_2_20201208T085934_20201208T090957_C001 CS_OFFL_SIR_GOPM_2_20201208T085934_20201208T090957_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T09137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T09137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T09137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T09137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T09137_20201208T093337_C001	CS_OFFL_SIR_GOPM_2_20201208T082202_20201208T083338_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20201208T085934_20201208T090957_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20201208T085934_20201208T090957_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 Backscatter Quality Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20201208T083511_20201208T083603_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20201208T085934_20201208T090957_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T09137_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T092547_C001 CS_OFFL_SIR_GOPM_2_20201208T092547_C00	CS_OFFL_SIR_GOPM_2_20201208T085312_20201208T085318_C001		
CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set of one or more records. CS_OFFL_SIR_GOPM_2_20201208T092826_20201208T092547_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set occords. The OCOG Altimeter Range and Backscatter Quality Flags have been set occords.	CS_OFFL_SIR_GOPM_2_20201208T085934_20201208T090957_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20201208T091137_20201208T092547_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20201208T092826_20201208T093327_C001		

CS_OFFL_SIR_GOPM_2_20201208T094734_20201208T095434_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_20201208T095857_20201208T100346_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_20201208T103420_20201208T103426_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_20201208T103443_20201208T103506_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_20201208T104250_20201208T110455_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_20201208T110857_20201208T111245_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_20201208T111923_20201208T114609_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_20201208T121936_20201208T124421_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_20201208T124640_20201208T125200_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_20201208T125930_20201208T133153_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_20201208T135532_20201208T141448_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_20201208T141831_20201208T142314_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_20201208T143912_20201208T151143_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_20201208T155238_20201208T160132_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_20201208T160614_20201208T161128_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_20201208T161757_20201208T163939_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_20201208T164224_20201208T165200_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_20201208T170311_20201208T170417_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_20201208T172227_20201208T172834_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_20201208T173022_20201208T174051_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_20201208T174756_20201208T175030_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_20201208T175727_20201208T182740_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_20201208T182808_20201208T183037_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_20201208T183201_20201208T183227_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_20201208T183229_20201208T183233_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_20201208T184608_20201208T191805_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_20201208T192743_20201208T192938_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_20201208T193138_20201208T193443_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_20201208T193638_20201208T194017_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_20201208T194031_20201208T195203_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_20201208T195338_20201208T195339_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_20201208T195342_20201208T200448_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_20201208T202134_20201208T202343_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_20201208T202629_20201208T204244_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_20201208T210617_20201208T210859_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_20201208T210916_20201208T211344_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_20201208T211611_20201208T213029_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_20201208T213209_20201208T213452_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_20201208T220940_20201208T221450_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_20201208T221734_20201208T222010_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_20201208T222017_20201208T224115_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_20201208T224411_20201208T225253_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_20201208T225518_20201208T232009_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_20201208T235210_20201209T001942_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_20201208T183525_20201208T183540_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_20201208T220251_20201208T220519_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_20201208T030256_20201208T030500_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_20201208T033605_20201208T033855_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_20201208T160132_20201208T160448_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_20201208T182740_20201208T182808_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_20201208T220520_20201208T220736_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_20201208T233058_20201208T233114_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 Number of products with errors: 94 Product Test Failed Description OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20201208T001043_20201208T001144_C001 OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20201208T012307_20201208T012433_C001 OCOG Backscatter Quality more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_GOPN_2_20201208T021233_20201208T021612_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records. PLRM Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_GOPN_2_20201208T030138_20201208T030256_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records. PLRM OCOG Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20201208T033910_20201208T033958_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20201208T050204_20201208T050530_C001 OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG CS OFFL SIR GOPN 2 20201208T052129 20201208T052403 C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records. PI RM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS OFFL SIR GOPN 2 20201208T061915 20201208T062037 C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records. PI RM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20201208T074723_20201208T074859_C001 OCOG Backscatter Quality more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_GOPN_2_20201208T083713_20201208T083753_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records PLRM Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_GOPN_2_20201208T084005_20201208T084221_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records. PLRM OCOG Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20201208T085643 20201208T085934 C001 OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20201208T094312 20201208T094734 C001 OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG CS OFFL SIR GOPN 2 20201208T101547 20201208T102055 C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records PI RM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been CS OFFL SIR GOPN 2 20201208T110544 20201208T110857 C001 Altimeter Range and Backscatter Quality set for one or more records. PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20201208T111547_20201208T111803_C001 OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_GOPN_2_20201208T114740_20201208T114949_C001 OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS OFFL SIR GOPN 2 20201208T115340 20201208T115919 C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20201208T121532 20201208T121703 C001 OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR GOPN 2 20201208T124513 20201208T124640 C001 OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been CS OFFL SIR GOPN 2 20201208T133154 20201208T133614 C001 Altimeter Range and Backscatter Quality set for one or more records. PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS OFFL SIR GOPN 2 20201208T142517 20201208T142641 C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_GOPN_2_20201208T143437_20201208T143550_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records PLRM

OCOG Altimeter Range Quality PLRM,

OCOG Backscatter Quality

CS OFFL SIR GOPN 2 20201208T152755 20201208T152918 C001

The OCOG Range and Backscatter Quality Flags have been set for one or

CS_OFFL_SIR_GOPN_2_20201208T160448_20201208T160614_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_20201208T172029_20201208T172227_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_20201208T174451_20201208T174756_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_20201208T175030_20201208T175542_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_20201208T184131_20201208T184520_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_20201208T192939_20201208T193138_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_20201208T193443_20201208T193606_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_20201208T200448_20201208T200724_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_20201208T202017_20201208T202133_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_20201208T210008_20201208T210617_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_20201208T215946_20201208T220201_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_20201208T220251_20201208T220519_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_20201208T220736_20201208T220859_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_20201208T221611_20201208T221734_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_20201208T225253_20201208T225441_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_20201208T232009_20201208T232241_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_20201208T232900_20201208T233023_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_20201208T233910_20201208T234355_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_20201208T234446_20201208T234608_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_20201208T235129_20201208T235210_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_20201208T002126_20201208T002330_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_20201208T002400_20201208T002507_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_20201208T010939_20201208T011258_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_20201208T015924_20201208T020053_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_20201208T020258_20201208T021233_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_20201208T024906_20201208T025247_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.

PLRM		
CS_OFFL_SIR_GOPR_2_20201208T043082_20201208T043151_C0001 CS_OFFL_SIR_GOPR_2_20201208T042858_20201208T043151_C0001 CS_OFFL_SIR_GOPR_2_20201208T0430617_20201208T043021_C0001 CS_OFFL_SIR_GOPR_2_20201208T0430617_20201208T043021_C0001 CS_OFFL_SIR_GOPR_2_20201208T051240_20201208T051008_C0001 CS_OFFL_SIR_GOPR_2_20201208T051608_20201208T052128_C0001 CS_OFFL_SIR_GOPR_2_20201208T051608_20201208T052128_C0001 CS_OFFL_SIR_GOPR_2_20201208T062040_20201208T062010_C0001 CS_OFFL_SIR_GOPR_2_20201208T062040_20201208T062010_C0001 CS_OFFL_SIR_GOPR_2_20201208T062037_20201208T062010_C0001 CS_OFFL_SIR_GOPR_2_20201208T0708202_20201208T0600427_C0001 CS_OFFL_SIR_GOPR_2_20201208T0708282_20201208T0600427_C0001 CS_OFFL_SIR_GOPR_2_20201208T08108764_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T08108764_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T083084_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T083084_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T083084_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T083084_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T083084_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T083084_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T083084_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T083084_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T064084_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T064084_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T064084_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T064084_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T10444_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T10444_20201208T064077_C0001 CS_OFFL_SIR_GOPR_2_20201208T10444_20201208T104447_C0001 CS_OFFL_SIR_GOPR_2_20201208T10444_20201208T104447_C0001 CS_OFFL_SIR_GOPR_2_20201208T10444_20201208T104447_C0001 CS_OFFL_SIR_GOPR_2_20201208T10444_20201208T104447_C0001 CS_OFFL_SIR_GOPR_2_20201208T10444_20201208T104447_C0001 CS_OFFL_SIR_GOPR_2_20201208T10444_20201208T104447_C0001 CS_OFFL_SIR_GOPR_2_20201208T10444_20201208T104447_C0001 CS_OFFL_SIR_GOP	CS_OFFL_SIR_GOPR_2_20201208T033605_20201208T033855_C001	
CS_OFFL_SIR_GOPR_2_20201208T043017_20201208T043021_C001	CS_OFFL_SIR_GOPR_2_20201208T034330_20201208T035129_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM
OCOG Allimeter Range SHA, SWH and Backscatter Quality PLRM. OCOG Allimeter Range and Backscatter Quality PLRM. OCOG Allimeter Range and Backscatter Quality PLRM. OCOG Allimeter Range and	CS_OFFL_SIR_GOPR_2_20201208T042858_20201208T043151_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality
CS_OFFL_SIR_GOPR_2_20201208T051008_20201208T052128_C001	CS_OFFL_SIR_GOPR_2_20201208T043617_20201208T043621_C001	
CS_OFFL_SIR_GOPR_2_20201208T061608_20201208T063200_C001	CS_OFFL_SIR_GOPR_2_20201208T051240_20201208T051608_C001	OCOG Backscatter Quality
CS_OFFL_SIR_GOPR_2_20201208T062044_20201208T0620616_C001 Almeter Range and Backscatter Ouality PLRM. OCOG Backsca	CS_OFFL_SIR_GOPR_2_20201208T051608_20201208T052128_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM
CS_OFFL_SIR_GOPR_2_20201208T062037_20201208T07082616_C001 Allmeter Range and Backscatter Quality PLRM OCOG Backs	CS_OFFL_SIR_GOPR_2_20201208T052404_20201208T053200_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM
CS_OFFL_SIR_GOPR_2_20201208T070307_20201208T071028_C001 Allimeter Range and Backscatter Quality PLRM, OCG Allimeter Range and Backscatter Quality PLRM	CS_OFFL_SIR_GOPR_2_20201208T062037_20201208T062616_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality
OCG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range and Backscatter Quality PLRM, OCG Altimeter Range and Backscatter Quality PLRM, OCG Backscatter Quality PLRM, OCG Altimeter Range and Backscatter Quality PLRM, OCG Backscatter Quality PLRM, OCG Altimeter Range and Backscatter Quality PLRM, OCG Altimeter Range and Backscatter Quality PLRM, OCG Altimeter Range and Backscatter Quality PLRM, OCG Altimeter Range and Backscatt	CS_OFFL_SIR_GOPR_2_20201208T070307_20201208T071026_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality
CS_OFFL_SIR_GOPR_2_20201208T075828_20201208T080427_C001	CS_OFFL_SIR_GOPR_2_20201208T071252_20201208T071417_C001	
CS_OFFL_SIR_GOPR_2_20201208T083604_20201208T083712_C001 CS_OFFL_SIR_GOPR_2_20201208T083604_20201208T084005_C001 CS_OFFL_SIR_GOPR_2_20201208T083753_20201208T084005_C001 CS_OFFL_SIR_GOPR_2_20201208T084344_20201208T084909_C001 CS_OFFL_SIR_GOPR_2_20201208T080509_20201208T100629_C001 CS_OFFL_SIR_GOPR_2_20201208T100509_20201208T100629_C001 CS_OFFL_SIR_GOPR_2_20201208T100509_20201208T100629_C001 CS_OFFL_SIR_GOPR_2_20201208T101339_20201208T101547_C001 CS_OFFL_SIR_GOPR_2_20201208T104141_20201208T104250_C001 CS_OFFL_SIR_GOPR_2_20201208T104141_20201208T104250_C001 CS_OFFL_SIR_GOPR_2_20201208T104141_20201208T10434_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120434_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T124421_20201208T125930_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T15218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T160448_C001 CS_OFFL_SIR_GOP	CS_OFFL_SIR_GOPR_2_20201208T075828_20201208T080427_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality
CS_OFFL_SIR_GOPR_2_20201208T083604_20201208T083712_C001	CS_OFFL_SIR_GOPR_2_20201208T081754_20201208T082007_C001	
CS_OFFL_SIR_GOPR_2_20201208T083753_20201208T084005_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20201208T100509_20201208T100629_C001 CS_OFFL_SIR_GOPR_2_20201208T100509_20201208T100629_C001 CS_OFFL_SIR_GOPR_2_20201208T101339_20201208T101547_C001 CS_OFFL_SIR_GOPR_2_20201208T101339_20201208T101547_C001 CS_OFFL_SIR_GOPR_2_20201208T101339_20201208T101547_C001 CS_OFFL_SIR_GOPR_2_20201208T104141_20201208T104250_C001 CS_OFFL_SIR_GOPR_2_20201208T104141_20201208T10434_C001 CS_OFFL_SIR_GOPR_2_20201208T15919_20201208T120434_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T124421_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T124421_20201208T125930_C001 CS_OFFL_SIR_GOPR_2_20201208T133614_20201208T125930_C001 CS_OFFL_SIR_GOPR_2_20201208T151525_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T15218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T15218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T15218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T15218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T15218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T15218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T15218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T160448_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T160448_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T160448_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T160448_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001	CS_OFFL_SIR_GOPR_2_20201208T083604_20201208T083712_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM
CS_OFFL_SIR_GOPR_2_20201208T084344_20201208T084909_C001 and Backscatter Quality PLRM, OCOG Allimeter Range and Backscatter Quality PLRM, OCOG Allimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	CS_OFFL_SIR_GOPR_2_20201208T083753_20201208T084005_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM
CS_OFFL_SIR_GOPR_2_20201208T101339_20201208T101547_C001 CS_OFFL_SIR_GOPR_2_20201208T101339_20201208T101547_C001 CS_OFFL_SIR_GOPR_2_20201208T101339_20201208T104250_C001 CS_OFFL_SIR_GOPR_2_20201208T104141_20201208T104250_C001 CS_OFFL_SIR_GOPR_2_20201208T115919_20201208T120434_C001 CS_OFFL_SIR_GOPR_2_20201208T115919_20201208T120434_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120434_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T124421_20201208T124512_C001 CS_OFFL_SIR_GOPR_2_20201208T125655_20201208T125930_C001 CS_OFFL_SIR_GOPR_2_20201208T125655_20201208T125930_C001 CS_OFFL_SIR_GOPR_2_20201208T133614_20201208T134357_C001 CS_OFFL_SIR_GOPR_2_20201208T151252_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T151252_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T1515539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T1515539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCO	CS_OFFL_SIR_GOPR_2_20201208T084344_20201208T084909_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality
CS_OFFL_SIR_GOPR_2_20201208T101339_20201208T101547_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_GOPR_2_20201208T104141_20201208T104250_C001 CS_OFFL_SIR_GOPR_2_20201208T115919_20201208T120434_C001 CS_OFFL_SIR_GOPR_2_20201208T115919_20201208T120434_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T124421_20201208T124512_C001 CS_OFFL_SIR_GOPR_2_20201208T125655_20201208T125930_C001 CS_OFFL_SIR_GOPR_2_20201208T125655_20201208T125930_C001 CS_OFFL_SIR_GOPR_2_20201208T133614_20201208T134357_C001 CS_OFFL_SIR_GOPR_2_20201208T151522_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T150448_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T160448_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001	CS_OFFL_SIR_GOPR_2_20201208T100509_20201208T100629_C001	OCOG Backscatter Quality
CS_OFFL_SIR_GOPR_2_20201208T15919_20201208T120434_C001 CS_OFFL_SIR_GOPR_2_20201208T115919_20201208T120434_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T124421_20201208T124512_C001 CS_OFFL_SIR_GOPR_2_20201208T124421_20201208T125930_C001 CS_OFFL_SIR_GOPR_2_20201208T125655_20201208T125930_C001 CS_OFFL_SIR_GOPR_2_20201208T133614_20201208T134357_C001 CS_OFFL_SIR_GOPR_2_20201208T133614_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T151559_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T150448_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 OCOA Altimeter Range and Backscatter Quality PLRM, OCOA Altimeter Rang	CS_OFFL_SIR_GOPR_2_20201208T101339_20201208T101547_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality
CS_OFFL_SIR_GOPR_2_20201208T15919_20201208T120434_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range and Backscatter Quality PLRM OCOG Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	CS_OFFL_SIR_GOPR_2_20201208T104141_20201208T104250_C001	
CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001 CS_OFFL_SIR_GOPR_2_20201208T124421_20201208T124512_C001 CS_OFFL_SIR_GOPR_2_20201208T124421_20201208T124512_C001 CS_OFFL_SIR_GOPR_2_20201208T125655_20201208T125930_C001 CS_OFFL_SIR_GOPR_2_20201208T133614_20201208T134357_C001 CS_OFFL_SIR_GOPR_2_20201208T133614_20201208T134357_C001 CS_OFFL_SIR_GOPR_2_20201208T151252_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151339_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151339_20201208T160448_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20201208T151339_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001	CS_OFFL_SIR_GOPR_2_20201208T115919_20201208T120434_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality
CS_OFFL_SIR_GOPR_2_20201208T124421_20201208T124512_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20201208T125655_20201208T125930_C001 CS_OFFL_SIR_GOPR_2_20201208T133614_20201208T134357_C001 CS_OFFL_SIR_GOPR_2_20201208T133614_20201208T134357_C001 CS_OFFL_SIR_GOPR_2_20201208T151252_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T151252_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T160448_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM ocean Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Al	CS_OFFL_SIR_GOPR_2_20201208T120434_20201208T120847_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality
CS_OFFL_SIR_GOPR_2_20201208T125655_20201208T125930_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20201208T133614_20201208T134357_C001 CS_OFFL_SIR_GOPR_2_20201208T151252_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Altimeter Range and	CS_OFFL_SIR_GOPR_2_20201208T124421_20201208T124512_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality
CS_OFFL_SIR_GOPR_2_20201208T133614_20201208T134357_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20201208T151252_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range R	CS_OFFL_SIR_GOPR_2_20201208T125655_20201208T125930_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM
CS_OFFL_SIR_GOPR_2_20201208T151232_20201208T151345_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 OCCG Backscatter Quality Ocean Altimeter Range, SSHA, SWH Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	CS_OFFL_SIR_GOPR_2_20201208T133614_20201208T134357_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality
CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter	CS_OFFL_SIR_GOPR_2_20201208T151252_20201208T151345_C001	OCOG Backscatter Quality
CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	CS_OFFL_SIR_GOPR_2_20201208T151539_20201208T152218_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM
	CS_OFFL_SIR_GOPR_2_20201208T160132_20201208T160448_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality

meter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or kscatter Quality more records. meter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags catter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been ange and Backscatter Quality set for one or more records meter Range, SSHA, SWH catter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ange and Backscatter Quality meter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or kscatter Quality meter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or kscatter Quality meter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags catter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been ange and Backscatter Quality set for one or more records meter Range, SSHA, SWH catter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ange and Backscatter Quality set for one or more records meter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags catter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been ange and Backscatter Quality meter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags catter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been ange and Backscatter Quality meter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or kscatter Quality meter Range, SSHA, SWH catter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ange and Backscatter Quality meter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or ckscatter Quality meter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags catter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been ange and Backscatter Quality meter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags catter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been ange and Backscatter Quality set for one or more records. meter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been catter Quality PLRM, OCOG ange and Backscatter Quality meter Range Quality PLRM, kscatter Quality meter Range, SSHA, SWH catter Quality PLRM, OCOG ange and Backscatter Quality meter Range Quality PLRM, kscatter Quality more records. meter Range, SSHA, SWH catter Quality PLRM, OCOG ange and Backscatter Quality meter Range, SSHA, SWH catter Quality PLRM, OCOG

The OCOG Range and Backscatter Quality Flags have been set for one or

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been

The OCOG Range and Backscatter Quality Flags have been set for one or

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The OCOG Range and Backscatter Quality Flags have been set for one or more records

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPR_2_20201208T161430_20201208T161757_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_20201208T165350_20201208T170118_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_20201208T170118_20201208T170311_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_20201208T170417_20201208T170515_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_20201208T170641_20201208T171313_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_20201208T183038_20201208T183130_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_20201208T183540_20201208T184014_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_20201208T191806_20201208T192508_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_20201208T201343_20201208T201850_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_20201208T201850_20201208T202017_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_20201208T204244_20201208T204456_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_20201208T213452_20201208T213815_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_20201208T215339_20201208T215504_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_20201208T215526_20201208T215946_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	Ine Ocean Attimeter Range, SSHA, SWH 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_20201208T220520_20201208T220736_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_20201208T220859_20201208T220940_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_20201208T224115_20201208T224229_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_20201208T233114_20201208T233445_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

> 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: 2

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: 58

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.

Number of products with errors: 154

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

6.1 P2P Product Format Check

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

Number of products with errors:

0

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

0

6.4 P2P Auxiliary Correction Error Check

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

Currently, there are some common auxiliary correction errors raised in the Level 2 products 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.

Number of products with errors:

30

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20201207T233810_20201208T002746_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_220201208T002746_20201208T011725_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_20201208T011725_20201208T020700_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_20201208T020700_20201208T025640_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_20201208T025640_20201208T034615_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_20201208T034615_20201208T043554_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_20201208T043554_20201208T052530_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_20201208T052530_20201208T061509_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_20201208T061509_20201208T070444_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_20201208T070444_20201208T075424_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_220201208T075424_20201208T084359_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_20201208T084359_20201208T093338_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_20201208T093338_20201208T102314_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_20201208T102314_20201208T111253_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_20201208T111253_20201208T120228_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_20201208T120228_20201208T125208_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_20201208T125208_20201208T134143_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 Dynami Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20201208T134143_20201208T143123_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_20201208T143123_20201208T152058_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_20201208T152058_20201208T161037_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_20201208T161037_20201208T170012_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_20201208T170012_20201208T174952_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20201208T174952_20201208T183927_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records
	ropograpny (1)	ropograpny neight (solution 1) for one or more records

CS_OFFL_SIR_GOP_2_20201208T183927_20201208T192906_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_20201208T192906_20201208T201842_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_20201208T201842_20201208T210821_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_20201208T210821_20201208T215756_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_20201208T215756_20201208T224736_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_20201208T224736_20201208T233711_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_20201208T233711_20201209T002651_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:

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.

Number of products with errors: 30

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: 3

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: 30

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: 28

P2P Retracking Flags PLRM

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

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

Number of products with errors: 30

7. GOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	191	191	5	186	0
SIR_GOPR1B	119	119	0	119	0
SIR_GOPN1B	105	105	3	102	0
SIR_GOPM_2	191	191	141	50	0
SIR_GOPR_2	119	119	33	84	2
SIR_GOPN_2	105	105	43	62	0
SIR_GOP_P2P	29	29	0	27	2

7.1 QCC Errors

Number of QCC reports with errors:

4

Total number of occurrences of each error

Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
SIR_GOPR_2	2	1	2	2	1	2					
					•						
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOP_2_	2	2	2	2							

Test Description Key:	est Description Key:										
Abbreviation	Test name	Details									
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7									
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6									
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7									
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7									
RL	RangeLongitude_6	Longitude should be between -180E6 and 180E6									
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7									

7.2 QCC Warnings

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_GOPM1B	186	0	0	0	0	0	0
SIR_GOPM_2	0	0	38	40	0	39	0
SIR_GOPN1B	98	0	0	0	0	0	0
SIR_GOPN_2	0	0	8	37	4	28	31
SIR_GOPR1B	116	0	0	0	0	0	0
SIR_GOPR_2	0	2	35	51	1	24	26

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	33	1	27	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	21	1	0	0	28	0	37
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	14	8	0	50	0	61	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	23	0	0	4	32	0	4
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	32	13	47	57	30
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	0	52	0	6	70	38	10

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_GOPM1B	0	0	0	1	0	0	0
SIR_GOPM_2	39	0	6	1	0	0	0
SIR_GOPN1B	0	0	0	0	0	48	3
SIR_GOPN_2	29	35	10	0	0	0	0
SIR_GOPR1B	0	0	0	0	0	119	9
SIR GOPR 2	38	52	4	0	4	0	0

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR_GOP_2_	16	28	29	5	28	16	27

Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_GOP_2_	6	18	29	26	17	29	18

	Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-
Ì	SIR GOP 2	24	29	19	14	29		

Test Description Key:		
Abbreviation	Test name	Details
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports:

Product name	
0	

Product name
CS_OFFL_SIR_GOP_2_20201208T233711_20201209T002651_C002