

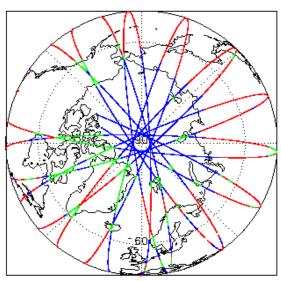
1. Overview

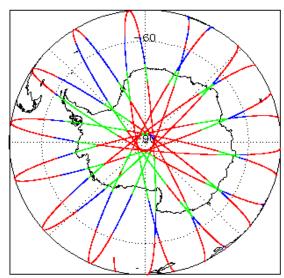
Report Production:	30-Jul-2020	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

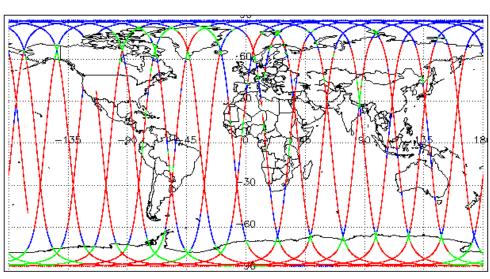
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

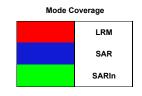
Mission / Instru	ument News
29-Jun-2020	None
30-Jun-2020	None
01-Jul-2020	Nothing planned

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.

0

lumber of products with errors:

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20200630T185420_20200630T190216_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors: 15

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20200630T014052_20200630T021216_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200630T180757_20200630T184020_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200630T055421_20200630T055543_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200630T071839_20200630T072158_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200630T094938_20200630T095105_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200630T134647_20200630T135025_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200630T135025_20200630T135048_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200630T152850_20200630T152944_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200630T170646_20200630T170746_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200630T170750_20200630T170858_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200630T230104_20200630T230220_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200630T003222_20200630T003937_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200630T125459_20200630T125723_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200630T165914_20200630T170001_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200630T224135_20200630T224516_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:

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

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Topography (1)	CS_OFFL_SIR_GOPN_2_20200630T012841_20200630T013214_C001	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
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Topography (1) Topography (2000630T18230_20200630T170750_20200630T170858_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the	CS_OFFL_SIR_GOPN_2_20200630T152850_20200630T152944_C001		9 (,
CS_OFFL_SIR_GOPN_2_20200630T170750_20200630T170858_C001 Topography (1), Total Geocentric Ocean Tide (GOT) Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Total Geo	CS_OFFL_SIR_GOPN_2_20200630T162252_20200630T162510_C001		
CS_OFFL_SIR_GOPN_2_20200630T184327_20200630T184722_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 There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) and th	CS_OFFL_SIR_GOPN_2_20200630T170750_20200630T170858_C001	Topography (1), Total Geocentric Ocean	Topography height (solution 1) and the Total Geocentric Ocean Tide
Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records	CS_OFFL_SIR_GOPN_2_20200630T175306_20200630T175500_C001	Mean Dynamic Topography (1)	
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Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20200630T225212_20200630T225326_C001 Mean Dynamic Topography (1) Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20200630T2321104_20200630T233220_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_GOPN_2_20200630T193314_20200630T193545_C001		
CS_OFFL_SIR_GOPN_2_202006301225212_202006301225326_C001 Mean Dynamic Topography (1) or more records CS_OFFL_SIR_GOPN_2_202006301230104_202006301230220_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_GOPN_2_20200630T194305_20200630T194451_C001		
CS OFFE SIR GOPN 2 202006301230104 202006301230220 C001	CS_OFFL_SIR_GOPN_2_20200630T225212_20200630T225326_C001	Mean Dynamic Topography (1)	
	CS_OFFL_SIR_GOPN_2_20200630T230104_20200630T230220_C001	` ' '	

CS_OFFL_SIR_GOPR_2_20200630T003222_20200630T003937_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_20200630T003937_20200630T004113_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_20200630T021344_20200630T021834_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_20200630T021834_20200630T021958_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_20200630T035119_20200630T035705_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_20200630T035706_20200630T035829_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_20200630T053355_20200630T053448_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_20200630T053448_20200630T053757_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_20200630T071017_20200630T071710_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_20200630T085212_20200630T085737_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_20200630T102023_20200630T102215_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_20200630T103120_20200630T103913_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_20200630T120934_20200630T121857_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_20200630T135048_20200630T135839_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_20200630T152944_20200630T153525_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_20200630T170859_20200630T171555_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_20200630T184722_20200630T185240_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_20200630T185314_20200630T185420_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_20200630T202536_20200630T203534_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_20200630T220313_20200630T221050_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_20200630T222008_20200630T222206_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_20200630T234102_20200630T234854_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_20200630T234854_20200630T235017_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200630T185420_20200630T190216_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200629T235633_20200630T001753_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.
		The Ocean Altimeter Range, SSHA, SWH 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_20200630T004145_20200630T004610_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_20200630T010159_20200630T010645_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_20200630T010833_20200630T011900_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_20200630T012504_20200630T012841_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_20200630T013552_20200630T014042_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_20200630T014052_20200630T021216_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_20200630T022504_20200630T025619_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_20200630T030554_20200630T030747_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_20200630T031040_20200630T031221_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_20200630T031517_20200630T032049_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_20200630T033651_20200630T034334_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_20200630T035950_20200630T040358_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_20200630T040540_20200630T041111_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_20200630T041156_20200630T042053_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_20200630T042712_20200630T043819_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_20200630T044439_20200630T044701_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_20200630T044733_20200630T045156_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_20200630T045438_20200630T050044_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_20200630T050152_20200630T050839_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_20200630T051018_20200630T052509_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_20200630T055155_20200630T055420_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_20200630T055543_20200630T055841_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_20200630T055844_20200630T060031_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_20200630T060324_20200630T061853_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_20200630T062226_20200630T063105_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_20200630T063358_20200630T065600_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_20200630T080142_20200630T080330_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality for one or more records.	ty Flags have been set
CS_OFFL_SIR_GOPM_2_20200630T080429_20200630T080901_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality for one or more records.	ty Flags have been set
CS_OFFL_SIR_GOPM_2_20200630T081333_20200630T081721_C001 Ocean Altimeter Range, SSHA, SWH and Back and the OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T081729_20200630T083754_C001 Ocean Altimeter Range, SSHA, SWH and Back and the OCOG Altimeter Range and Backscatter Quality and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T091019_20200630T093638_C001 Ocean Altimeter Range, SSHA, SWH and Back and the OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T094346_20200630T094938_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality for one or more records.	ty Flags have been set
CS_OFFL_SIR_GOPM_2_20200630T095200_20200630T101330_C001 Ocean Altimeter Range, SSHA, SWH and Back and the OCOG Altimeter Range and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T101358_20200630T101633_C001 Ocean Altimeter Range, SSHA, SWH and Back and the OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T101635_20200630T101831_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality for one or more records.	ty Flags have been set
CS_OFFL_SIR_GOPM_2_20200630T102840_20200630T102950_C001 Ocean Altimeter Range, SSHA, SWH and Back and the OCOG Altimeter Range and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T104211_20200630T111548_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T112252_20200630T112809_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality for one or more records.	ty Flags have been set
CS_OFFL_SIR_GOPM_2_20200630T113134_20200630T113250_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T113449_20200630T113705_C001 Ocean Altimeter Range, SSHA, SWH and Back and the OCOG Altimeter Range and Backscatter Quality and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T122000_20200630T123057_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T123343_20200630T125459_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T130134_20200630T130253_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality for one or more records.	ty Flags have been set
CS_OFFL_SIR_GOPM_2_20200630T130301_20200630T130708_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality for one or more records.	ty Flags have been set
CS_OFFL_SIR_GOPM_2_20200630T131131_20200630T132215_C001 Ocean Altimeter Range, SSHA, SWH and Back and the OCOG Altimeter Range and Backscatter Quality and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T132403_20200630T133113_C001 Ocean Altimeter Range, SSHA, SWH and Back and the OCOG Altimeter Range and Backscatter Quality and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T135839_20200630T143350_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T143635_20200630T144152_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality for one or more records.	ty Flags have been set
CS_OFFL_SIR_GOPM_2_20200630T144211_20200630T144458_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality for one or more records.	ty Flags have been set
CS_OFFL_SIR_GOPM_2_20200630T145253_20200630T152307_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_GOPM_2_20200630T152451_20200630T152822_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality for one or more records.	ty Flags have been set

Comparison Com	00 OFFI OID OODN 0 000000007451000 00000007455040 0004	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
Dept. SR COPPL 2 20000007100107 2000000710010 COPPL COPPL COPPL COPPL 2 20000007100107 2000000710010 COPPL	CS_OFFL_SIR_GOPM_2_20200630T154339_20200630T155613_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Booksted Coulty Strate or more recents	CS_OFFL_SIR_GOPM_2_20200630T155817_20200630T161312_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Col. Coll. Set. GOPM 2 20000031110300 200000112010 COID Coll. Set. GoPM 2 20000031110300 COID Coll. Se	CS_OFFL_SIR_GOPM_2_20200630T161547_20200630T162049_C001		
SC_OFFL_SR_COPM_2_2000000119391_20000000119391_2000000119391_2000000119391_2000000119391_2000000119391_2000000119391_2000000119391_2000000119391_2000000119391_20000000119391_2000000119391_2000000119391_2000000119391_2000000119391_20000000119391_2000000119391_2000000119391_2000000119391_20000000119391_20000000119391_20000000119391_20000000119391_20000000119391_20000000119391_20000000119391_20000000119391_2000000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20200630T162109_20200630T162121_C001		
Col. DeFL_SR_QOPM_2_20008001176449_2000001170014_0001	CS_OFFL_SIR_GOPM_2_20200630T163012_20200630T164030_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Regional County	CS_OFFL_SIR_GOPM_2_20200630T164649_20200630T165914_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SR_GOPM_2_20208801773819_20208801712819_C00101 Color Allimeter Range_SR49_SW41 Color Allimeter Range and Backscaller Cuality Range have been set for an or	CS_OFFL_SIR_GOPM_2_20200630T171555_20200630T172949_C001		
Soffe, Siff, COPM 2, 20000630119006, 20000630119006, 2001 CS_OFFL_Siff, COPM 2, 20000630119006, 20000630119006, 2001 CS_OFFL_Siff, COPM 2, 20000630119007, 20000630119007, 2001 CS_OFFL_Siff, COPM 2, 20000630119007, 20000630119006, 2001 CS_OFFL_Siff, COPM 3, 20000630119007, 20000630119009, 2001 CS_OFFL_Siff, COPM 3, 20000630119006, 20000630119006, 2001 CS_OFFL_Siff, COPM 4, 20000630119006, 20000630119016, 2001 CS_OFFL_Siff, COPM 4, 20000630119016, 20000630119016, 2001 CS_OFFL	CS_OFFL_SIR_GOPM_2_20200630T173355_20200630T173637_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Social County Co	CS_OFFL_SIR_GOPM_2_20200630T173816_20200630T175215_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscater Quality CS_OFFL_SIR_GOPM_2_20200630T180767_20200630T184020_C001 CS_OFFL_SIR_GOPM_2_20200630T180968_20200630T180066_C001 CS_OFFL_SIR_GOPM_2_20200630T190928_20200630T180066_C001 CS_OFFL_SIR_GOPM_2_20200630T190928_20200630T180066_C001 CS_OFFL_SIR_GOPM_2_20200630T190928_20200630T180066_C001 CS_OFFL_SIR_GOPM_2_20200630T190928_20200630T180066_C001 CS_OFFL_SIR_GOPM_2_20200630T190946_20200630T180066_C001 CS_OFFL_SIR_GOPM_2_20200630T190946_20200630T180066_C001 CS_OFFL_SIR_GOPM_2_20200630T190946_20200630T190946_C001 CS_OFFL_SIR_GOPM_2_20200630T201442_C0001 CS_OFFL_SIR_GOPM_2_20200630T201481_C000630T201449_C001 CS_OFFL_SIR_GOPM_2_20200630T201481_C000630T201449_C001 CS_OFFL_SIR_GOPM_2_20200630T201481_C000630T201495_C001 CS_OFFL_SIR_GOPM_2_20200630T201487_C000630T201495_C001 CS_OFFL_SIR_GOPM_2_20200630T201487_C000630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T21187_C000630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T21187_C000630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T21187_C000630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T21187_C000630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T21187_C000630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T21187_C000630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T211800_C000630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T211800_C000630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T211800_C000630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T211800_C00630T211800_C001 CS_OFFL_SIR_GOPM_2_20200630T211800_C00630T211800_C001	CS_OFFL_SIR_GOPM_2_20200630T175500_20200630T180000_C001		
and Backscatter Quality, COCG all Martineter Range and Backscatter Quality Flags have been all flags and the COCG Altimeter Range and Backscatter Quality Flags have been all flags and the COCG Altimeter Range and Backscatter Quality Flags have been all flags and the COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200630T190368_20200630T29142_CO01 CS_OFFL_SIR_GOPM_2_20200630T1904615_20200630T29142_CO01 CS_OFFL_SIR_GOPM_2_20200630T2904142_CO01 CS_OFFL_SIR_GOPM_2_20200630T2904142_CO01 CS_OFFL_SIR_GOPM_2_20200630T2904142_CO01 CS_OFFL_SIR_GOPM_2_20200630T2904142_CO01 CS_OFFL_SIR_GOPM_2_20200630T290700_20200630T29143_CO01 CS_OFFL_SIR_GOPM_2_20200630T290700_20200630T29143_CO01 CS_OFFL_SIR_GOPM_2_20200630T290700_20200630T29143_CO01 CS_OFFL_SIR_GOPM_2_20200630T290700_20200630T29143_CO01 CS_OFFL_SIR_GOPM_2_20200630T290700_20200630T29149_CO01 CS_OFFL_SIR_GOPM_2_20200630T290700_20200630T29149_CO01 CS_OFFL_SIR_GOPM_2_20200630T290700_20200630T29149_CO01 CS_OFFL_SIR_GOPM_2_20200630T290700_20200630T29149_CO01 CS_OFFL_SIR_GOPM_2_20200630T290700_20200630T29149_CO01 CS_OFFL_SIR_GOPM_2_20200630T291307_20200630T29149_CO01 CS_OFFL_SIR_GOPM_2_20200630T291307_20200630T291594_CO01 CS_OFFL_SIR_GOPM_2_20200630T291307_20200630T291594_CO01 CS_OFFL_SIR_GOPM_2_20200630T291597_20200630T291594_CO01 CS_OFFL_SIR_GOPM_2_20200630T29557_20200630T291594_CO01 CS_OFFL_SIR_GOPM_2_20200630T29557_20200630T291594_CO01 CS_OFFL_SIR_GOPM_2_20200630T29557_20200630T29594_CO01 CS_OFFL_SIR_GOPM_2_20200630T29557_20200630T29594_CO01 CS_OFFL_SIR_GOPM_2_20200630T29557_20200630T29594_CO01 CS_OFFL_SIR_GOPM_2_20200630T29557_20200630T29594_CO01 CS_OFFL_SIR_GOPM_2_20200630T29557_20200630T29594_CO01 CS_OFFL_SIR_GOPM_2_20200630T29557_20200630T29594_CO01 CS_OFFL_SIR_GOPM_2_20200630T29557_20200630T29594_CO01 CS_OFFL_SIR_GOPM_2_20200630T29557_20200630T29594_CO01 CS_OFFL_SIR_GOPM_2_20200630T29557_20200630T29594_CO01 CCC_OFFL_SIR_GOPM_2_20200630T29557_20200630T29594_CO01 CCC_OFFL_SIR_	CS_OFFL_SIR_GOPM_2_20200630T180042_20200630T180147_C001		
CS_OFFL_SIR_GOPM_2_20200630T190528_20200630T193916_C001 CS_OFFL_SIR_GOPM_2_20200630T193545_20200630T193916_C001 CS_OFFL_SIR_GOPM_2_20200630T193545_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201144_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201144_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201144_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201144_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201144_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201144_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201144_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201143_C001 CS_OFFL_SIR_GOPM_2_20200630T201143_C001 CS_OFFL_SIR_GOPM_2_20200630T211307_0000630T211104_C001 CS_OFFL_SIR_GOPM_2_20200630T211307_0000630T211104_C001 CS_OFFL_SIR_GOPM_2_20200630T211307_0000630T21106_C001 CS_OFFL_SIR_GOPM_2_20200630T211307_0000630T21106_C001 CS_OFFL_SIR_GOPM_2_20200630T211307_0000630T21106_C001 CS_OFFL_SIR_GOPM_2_20200630T211307_0000630T21106_C001 CS_OFFL_SIR_GOPM_2_20200630T211307_0000630T21106_C001 CS_OFFL_SIR_GOPM_2_20200630T211307_0000630T21106_C001 CS_OFFL_SIR_GOPM_2_20200630T211307_0000630T212006_C001 CS_OFFL_SIR_GOPM_2_20200630T212507_0000630T212506_C001 CS_OFFL_SIR_GOPM_2_20200630T212507_0000630T212506_C001 CS_OFFL_SIR_GOPM_2_20200630T221306_20200630T222506_C001 CS_OFFL_SIR_GOPM_2_20200630T222506_000630T222506_C001 CS_OFFL_SIR_GOPM_2_20200630T222506_000630T222506_C001 CS_OFFL_SIR_GOPM_2_20200630T222506_000630T222506_C001 CS_OFFL_SIR_GOPM_2_20200630T22506_000630T22506_C001 CCG_Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200630T22506_C000630T22506_C001 CCG_Allimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_OFFL_SIR_GOPM_2_20200630T22506_C000630T22506_C001 CCG_Allimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_OFF	CS_OFFL_SIR_GOPM_2_20200630T180757_20200630T184020_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20200630T194615_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201144_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201144_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T201144_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T20170144_20200630T201142_C001 CS_OFFL_SIR_GOPM_2_20200630T203700_20200630T201419_C001 CS_OFFL_SIR_GOPM_2_20200630T203700_20200630T201419_C001 CS_OFFL_SIR_GOPM_2_20200630T203700_20200630T201419_C001 CS_OFFL_SIR_GOPM_2_20200630T203700_20200630T201419_C001 CS_OFFL_SIR_GOPM_2_20200630T203700_20200630T21104_C001 CS_OFFL_SIR_GOPM_2_20200630T203700_20200630T21104_C001 CS_OFFL_SIR_GOPM_2_20200630T203700_20200630T21104_C001 CS_OFFL_SIR_GOPM_2_20200630T21327_20200630T211300_C001 CS_OFFL_SIR_GOPM_2_20200630T21327_20200630T211300_C001 CS_OFFL_SIR_GOPM_2_20200630T21327_20200630T21205_C001 CS_OFFL_SIR_GOPM_2_20200630T21337_20200630T21205_C001 CS_OFFL_SIR_GOPM_2_20200630T21337_20200630T21205_C001 CS_OFFL_SIR_GOPM_2_20200630T21360_20200630T212305_C001 CS_OFFL_SIR_GOPM_2_20200630T212305_C001 CS_OFFL_SIR_GOPM_2_20200630T221306_20200630T221305_C001 CS_OFFL_SIR_GOPM_2_20200630T22230_C001 CS_OFFL_SIR_GOPM_2_20200630T222348_20200630T22332_C001 CS_OFFL_SIR_GOPM_2_20200630T22332_C001 CS_OFFL_SIR_GOPM_2_20200630T22332_C001 CS_OFFL_SIR_GOPM_2_20200630T22332_C001 CS_OFFL_SIR_GOPM_2_20200630T22332_C001 CS_OFFL_SIR_GOPM_2_20200630T22332_C001	CS_OFFL_SIR_GOPM_2_20200630T190928_20200630T193056_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200630T203700_20200630T204419_C001 CS_OFFL_SIR_GOPM_2_20200630T204611_20200630T211104_C001 CS_OFFL_SIR_GOPM_2_20200630T204611_20200630T211104_C001 CS_OFFL_SIR_GOPM_2_20200630T211327_20200630T211330_C001 CS_OFFL_SIR_GOPM_2_20200630T211327_20200630T211330_C001 CS_OFFL_SIR_GOPM_2_20200630T211327_20200630T211330_C001 CS_OFFL_SIR_GOPM_2_20200630T211337_20200630T215945_C001 CS_OFFL_SIR_GOPM_2_20200630T21557_20200630T215945_C001 CS_OFFL_SIR_GOPM_2_20200630T21308_20200630T221840_C001 CS_OFFL_SIR_GOPM_2_20200630T221308_20200630T221840_C001 CS_OFFL_SIR_GOPM_2_20200630T222322_C001 CS_OFFL_SIR_GOPM_2_20200630T222348_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T225368_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T255568_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T255568_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T255568_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T255568_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T255568_20200630T25902_C001 CS_OFFL_SIR_GOPM_2_20200630T255568_20200630T259502_C001 CS_OFFL_SIR_GOPM_2_20200630T255568_20200630T	CS_OFFL_SIR_GOPM_2_20200630T193545_20200630T193916_C001		
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200630T203700_20200630T204419_C001 Backscatter Quality, CCOG Altimeter Range Quality, CCOG Backscatter Quality, CCOG CS_OFFL_SIR_GOPM_2_20200630T204611_20200630T211104_C001 CS_OFFL_SIR_GOPM_2_20200630T204611_20200630T211104_C001 CS_OFFL_SIR_GOPM_2_20200630T211327_20200630T211830_C001 CS_OFFL_SIR_GOPM_2_20200630T211327_20200630T211830_C001 CS_OFFL_SIR_GOPM_2_20200630T211837_20200630T212205_C001 CS_OFFL_SIR_GOPM_2_20200630T211837_20200630T212205_C001 CS_OFFL_SIR_GOPM_2_20200630T212557_20200630T212205_C001 CS_OFFL_SIR_GOPM_2_20200630T212557_20200630T212480_C001 CS_OFFL_SIR_GOPM_2_20200630T212564_C001 CS_OFFL_SIR_GOPM_2_20200630T212306_20200630T221849_C001 CS_OFFL_SIR_GOPM_2_20200630T21206_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T221849_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T22248_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T22248_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T22248_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T22248_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T22248_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T22248_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T22248_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225502_C001 CCS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225502_C001 CCS_OFFL_SIR_GOPM_2_20200630T225326_20200630T255902_C001 CCS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CCS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CCS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CCS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CCS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CCS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CCS_OFFL_SIR_GOPM_2_20200630T225	CS_OFFL_SIR_GOPM_2_20200630T194615_20200630T201142_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20200630T204611_20200630T211104_C001 CS_OFFL_SIR_GOPM_2_20200630T211327_20200630T211104_C001 CS_OFFL_SIR_GOPM_2_20200630T211327_20200630T211830_C001 CS_OFFL_SIR_GOPM_2_20200630T211327_20200630T211830_C001 CS_OFFL_SIR_GOPM_2_20200630T211837_20200630T212205_C001 CS_OFFL_SIR_GOPM_2_20200630T211837_20200630T212205_C001 CS_OFFL_SIR_GOPM_2_20200630T212557_20200630T215945_C001 CS_OFFL_SIR_GOPM_2_20200630T212557_20200630T215945_C001 CS_OFFL_SIR_GOPM_2_20200630T21306_20200630T221849_C001 CS_OFFL_SIR_GOPM_2_20200630T221306_20200630T221849_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T223232_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T223223_C001 CS_OFFL_SIR_GOPM_2_20200630T223236_20200630T223223_C001 CS_OFFL_SIR_GOPM_2_20200630T22356_20200630T225502_C001 CS_OFFL_SIR_GOPM_2_20200630T225560_2C001 CS_OFFL_SIR_GOPM_2_20200630T225560_2C001 CS_OFFL_SIR_GOPM_2_20200630T225560_2C001 CS_OFFL_SIR_GOPM_2_20200630T25556_20200630T225500_C001 CS_OFFL_SIR_GOPM_2_20200630T25556_20200630T225500_C001 CS_OFFL_SIR_GOPM_2_20200630T25556_20200630T225500_C001 CS_OFFL_SIR_GOPM_2_20200630T25556_20200630T225500_C001 CS_OFFL_SIR_GOPM_2_20200630T25556_20200630T25500_C001 CS_OFFL_SIR_GOPM_2_20200630T25556_20200630T25500_C001 CS_OFFL_SIR_GOPM_2_20200630T	CS_OFFL_SIR_GOPM_2_20200630T201144_20200630T201423_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been ast for one or more records. CS_OFFL_SIR_GOPM_2_20200630T211327_20200630T211830_C001 CS_OFFL_SIR_GOPM_2_20200630T211327_20200630T212205_C001 CS_OFFL_SIR_GOPM_2_20200630T211837_20200630T212205_C001 CS_OFFL_SIR_GOPM_2_20200630T212557_20200630T212205_C001 CS_OFFL_SIR_GOPM_2_20200630T212557_20200630T2125945_C001 CS_OFFL_SIR_GOPM_2_20200630T212557_20200630T212489_C001 CS_OFFL_SIR_GOPM_2_20200630T221306_20200630T221849_C001 CS_OFFL_SIR_GOPM_2_20200630T221306_20200630T221849_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T224957_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T23551_20200630T235902_C001 CS_OFFL_SIR_GOPM_2_20200630T23551_20200630T235902_C001 CS_OFFL_SIR_GOPM_2_20200630T23551_20200630T235902_C001 CS_OFFL_SIR_GOPM_2_20200630T23551_20200630T235902_C001 CS_OFFL_SIR_GOPM_2_20200630T230551_20200630T235902_C001 CS_OFFL_SIR_GOPM_2_20200630T23551_20200630T235902_C001 CS_OFFL_SIR_GOPM_2_20200630T23551_20200630T235902_C001 CS_OFFL_SIR_GOPM_2_20200630T23551_20200630T235902_C001 CS_OFFL_SIR_GOPM_2_20200630T23551_20200630T235902_C001 CS_OFFL_SIR_GOPM_2_20200630T23551_20200630T235902_C001 CS_OFFL_SIR_GOPM_2_20200630T23551_20200630T235902_C001 CS_OFFL_SIR_GOPM_2_20200630T23551_20200630T235900_C001 CS_OFFL_SIR_GOPM_2_20200630T235551_20200630T235900_C001 CS_OFF	CS_OFFL_SIR_GOPM_2_20200630T203700_20200630T204419_C001	0 ,	
Backscatter Quality CS_OFFL_SIR_GOPM_2_20200630T211837_20200630T212205_C001 DCGA Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. The OCOGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200630T221306_20200630T221849_C001 CS_OFFL_SIR_GOPM_2_20200630T221306_20200630T221849_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T223223_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T223223_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T223223_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 DCGA Altimeter Range Quality, OCOGA Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality oCOGA Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality oCOGA Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality oCOGA Altimeter Range and Backscatter Quality Flags have been and Backscatter Qualit	CS_OFFL_SIR_GOPM_2_20200630T204611_20200630T211104_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20200630T212557_20200630T215945_C001 CS_OFFL_SIR_GOPM_2_20200630T212557_20200630T215945_C001 CS_OFFL_SIR_GOPM_2_20200630T221306_20200630T221849_C001 CS_OFFL_SIR_GOPM_2_20200630T221306_20200630T221849_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 CS_OFFL_SIR_GOPM_2_20200630T2225326_20200630T224957_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326	CS_OFFL_SIR_GOPM_2_20200630T211327_20200630T211830_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Cs_OFFL_SIR_GOPM_2_20200630T221306_20200630T221849_C001 Cs_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 Cs_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 Cs_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 Cs_OFFL_SIR_GOPM_2_20200630T222248_20200630T22323_C001 Cs_OFFL_SIR_GOPM_2_20200630T2225326_20200630T224957_C001 Cs_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 Cs_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 Cs_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 Cs_OFFL_SIR_GOPM_2_20200630T225326_20200630T233908_C001 and Backscatter Quality, 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, 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 have been set for one or more records. Cs_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 Cs_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 Cs_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 Cs_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 Cs_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 Cs_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 Cs_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 Cs_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 Cs_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 Cs_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001	CS_OFFL_SIR_GOPM_2_20200630T211837_20200630T212205_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20200630T22248_20200630T22323_C001 CS_OFFL_SIR_GOPM_2_20200630T22248_20200630T22323_C001 CS_OFFL_SIR_GOPM_2_20200630T22248_20200630T22323_C001 CS_OFFL_SIR_GOPM_2_20200630T2224516_20200630T224957_C001 CS_OFFL_SIR_GOPM_2_20200630T224516_20200630T224957_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T2330551_20200630T233908_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T23526_20200630T233908_C001 CS_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200630T23526_20200630T233908_C001 CS_OFFL_SIR_GOPM_2_20200630T23551_20200630T233908_C001 CS_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 CS_OFFL_SIR_GOPM_2_2020	CS_OFFL_SIR_GOPM_2_20200630T212557_20200630T215945_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T223223_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20200630T221306_20200630T221849_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200630T224516_20200630T224957_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001 CS_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 CS_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 CS_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 And Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20200630T222248_20200630T223223_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20200630T224516_20200630T224957_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20200630T225326_20200630T225902_C001		
	CS_OFFL_SIR_GOPM_2_20200630T230551_20200630T233908_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20200630T233947_20200630T234017_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_20200630T235153_20200630T235307_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_20200630T053757_20200630T054009_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_20200630T161405_20200630T161547_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200630T235830_20200630T235853_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_20200630T053119_20200630T053123_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_20200630T144205_20200630T144211_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_20200630T161312_20200630T161405_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_20200630T162103_20200630T162109_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20200630T005831_20200630T010159_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_20200630T012238_20200630T012504_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_20200630T012841_20200630T013214_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_20200630T031221_20200630T031412_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_20200630T034350_20200630T034521_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_20200630T043849_20200630T044439_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_20200630T054125_20200630T054353_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_20200630T054550_20200630T054711_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_20200630T055421_20200630T055543_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_20200630T060031_20200630T060324_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_20200630T065747_20200630T070101_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_20200630T070154_20200630T070317_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_20200630T071839_20200630T072158_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_20200630T080330_20200630T080429_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_20200630T080902_20200630T081122_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_20200630T084141_20200630T084247_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_20200630T084919_20200630T085001_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_20200630T085154_20200630T085212_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_20200630T094938_20200630T095105_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_20200630T111939_20200630T112252_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_20200630T112809_20200630T112921_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_20200630T114659_20200630T114731_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_20200630T115031_20200630T115216_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_20200630T120036_20200630T120213_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_20200630T121948_20200630T121959_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_20200630T125723_20200630T130134_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_20200630T133113_20200630T133157_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_20200630T134647_20200630T135025_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_20200630T144458_20200630T144642_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_20200630T152850_20200630T152944_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_20200630T164030_20200630T164136_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_20200630T175306_20200630T175500_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_20200630T180147_20200630T180628_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_20200630T184327_20200630T184722_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_20200630T190216_20200630T190323_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_20200630T194305_20200630T194451_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_20200630T212205_20200630T212310_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_20200630T212310_20200630T212340_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_20200630T215945_20200630T220128_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_20200630T223223_20200630T223557_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_20200630T225903_20200630T230037_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_20200630T235916_20200630T235948_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_20200630T005158_20200630T005327_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_20200630T011900_20200630T012238_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_20200630T013214_20200630T013552_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_20200630T021216_20200630T021336_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_20200630T025620_20200630T030319_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_20200630T035119_20200630T035705_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_20200630T042053_20200630T042306_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_20200630T050839_20200630T051018_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_20200630T052549_20200630T052625_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_20200630T054009_20200630T054125_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_20200630T065709_20200630T065747_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_20200630T071017_20200630T071710_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_20200630T075807_20200630T080018_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_20200630T084759_20200630T084919_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_20200630T093638_20200630T093951_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_20200630T102023_20200630T102215_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_20200630T102534_20200630T102649_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_20200630T104018_20200630T104055_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_20200630T111548_20200630T111939_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_20200630T112921_20200630T113134_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_20200630T113705_20200630T113949_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_20200630T120934_20200630T121857_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_20200630T125459_20200630T125723_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_20200630T130833_20200630T131130_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_20200630T132215_20200630T132403_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_20200630T134347_20200630T134500_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_20200630T135048_20200630T135839_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_20200630T143351_20200630T143500_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_20200630T144642_20200630T145253_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_20200630T162510_20200630T163012_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_20200630T164437_20200630T164649_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_20200630T165914_20200630T170001_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_20200630T170137_20200630T170253_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_20200630T170859_20200630T171555_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_20200630T172949_20200630T173355_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_20200630T184021_20200630T184246_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_20200630T185314_20200630T185420_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_20200630T190915_20200630T190928_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_20200630T193056_20200630T193313_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_20200630T202536_20200630T203534_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_20200630T222008_20200630T222206_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_20200630T224957_20200630T225212_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_20200630T230220_20200630T230551_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_20200630T234102_20200630T234854_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_20200630T235420_20200630T235742_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

209

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

Number of products with errors:

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

Number of products with errors:

63

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.

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

Λ

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:

Product **Test Failed** Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOP_2_20200630T003832_20200630T012806_C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20200630T012806 20200630T021745 C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOP_2__20200630T021745_20200630T030719_C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOP_2__20200630T030719_20200630T035659_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20200630T035659 20200630T044633 C001 Topography (1), Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Tide Tide (GOT) height (solution 1: GOT) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20200630T044633 20200630T053612 C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20200630T053612 20200630T062546 C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic 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__20200630T062546_20200630T071526_C001 Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2__20200630T071526_20200630T080500_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2__20200630T080500_20200630T085439_C001 Topography (1) Topography height (solution 1) for one or more records viean sea sunace (ו), iviean ביסוויס rnere is an error with the ivi55 neight (solution 1) and the iviean Dynamic Topography (1), Total Geocentric Ocean Topography height (solution 1), the Total Geocentric Ocean Tide height CS_OFFL_SIR_GOP_2__20200630T085439_20200630T094414_C001 Tide (GOT), Total Geocentric Ocean
Tide (FES) Non-Equilibrium Long Pe (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20200630T094414 20200630T103353 C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2_20200630T103353_20200630T112327_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20200630T112327 20200630T121307 C001 Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2__20200630T121307_20200630T130241_C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOP_2__20200630T130241_20200630T135220_C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOP_2__20200630T135220_20200630T144154_C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20200630T144154 20200630T153134 C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS OFFL SIR GOP 2 20200630T153134 20200630T162108 C001 Topography (1) Topography height (solution 1) for one or more records

CS_OFFL_SIR_GOP_2_20200630T162108_20200630T171047_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_220200630T171047_20200630T180021_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_220200630T180021_20200630T185001_C001	mean Sea Surrace (1), меал Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FFS), Non-Equilibrium Long Period	Inere is an error with the MSS neight (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_20200630T185001_20200630T193935_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_20200630T193935_20200630T202914_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_20200630T202914_20200630T211849_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_20200630T211849_20200630T220828_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_20200630T220828_20200630T225802_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_20200630T225802_20200630T234742_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_20200630T234742_20200701T003716_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: 3

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors: 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:

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	158	158	3	155	0
SIR_GOPR1B	126	126	0	126	0
SIR_GOPN1B	116	116	4	112	0
SIR_GOPM_2	158	158	102	56	0
SIR_GOPR_2	126	126	47	79	0
SIR_GOPN_2	116	116	47	68	1
SIR GOP P2P	29	29	0	27	2

7.1 QCC Errors

Number of QCC reports with errors:

Total number of occurrences of each er

	Total number of occurrences of each error										
Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
SIR_GOPN_2	1	1	1	1	1	1					
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL		-	-	-	-	-	-
SIR_GOP_2_	2	2	2	2							

Test 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 RANGELAT

7.2 QCC Warnings

Number of QCC reports with warnings

2203

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_GOPM1B	155	0	0	0	0	0	0
SIR_GOPM_2	0	0	39	40	1	42	0
SIR_GOPN1B	112	0	0	0	0	0	0
SIR_GOPN_2	0	1	13	31	4	24	28
SIR_GOPR1B	125	0	0	0	0	0	0
SIR_GOPR_2	0	0	36	41	0	34	35

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	35	34	0	0	0	0	27
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	21	0	0	23	0	31	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	19	0	45	0	57	0	0

	Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
Ī	SIR_GOPM1B	0	0	0	0	0	0	0
	SIR_GOPM_2	0	0	8	31	0	9	32
	SIR_GOPN1B	0	0	0	0	0	0	0
	SIR_GOPN_2	0	29	17	39	48	32	22
	SIR_GOPR1B	0	0	0	0	0	0	0
	SIR GOPR 2	48	0	3	69	40	4	41

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	•
SIR_GOPM1B	0	0	0	0	0	0	
SIR_GOPM_2	0	1	0	0	0	0	
SIR_GOPN1B	0	0	0	0	44	2	
SIR_GOPN_2	21	10	0	4	0	0	
SIR_GOPR1B	0	0	0	0	126	2	
SIR_GOPR_2	50	4	1	2	0	0	

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCI	RBSZOPOEPNCDF
SIR_GOP_2_	18	29	29	5	29	18	29
			•	*	*		,
Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF

Ī	Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	•	-	
	SIR GOP 2	29	19	14	29			

Fest Description Key:						
Abbreviation	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
BCSHNCDF	Buistoounterotep2011214etoDi	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				
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 F		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				
DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)				
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