

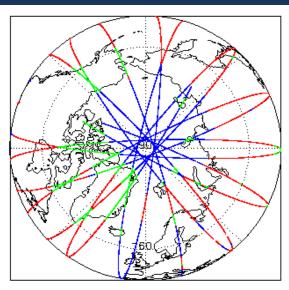
1. Overview

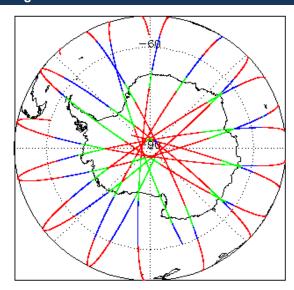
Report Production:	22-Oct-2020
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

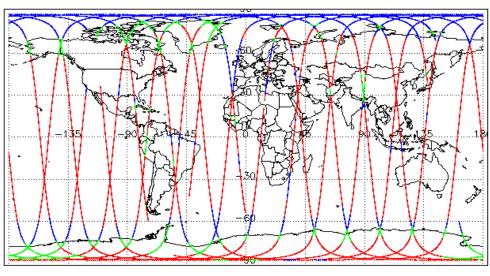
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary 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

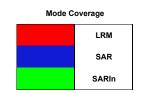
Mission / Ins	trument News
08-Sep-202	0 None
09-Sep-202	0 None
10-Sep-202	0 Nothing planned

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:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

5

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_20200909T013024_20200909T014345_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20200909T020127_20200909T021242_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20200909T145007_20200909T150054_C001		There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20200909T165449_20200909T170119_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20200909T183653_20200909T183847_C001		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:

20

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20200909T020127_20200909T021242_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200909T065952_20200909T073236_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200909T115441_20200909T120905_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200909T130415_20200909T131958_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200909T142915_20200909T144501_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200909T170304_20200909T172722_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200909T001549_20200909T001710_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200909T002017_20200909T002245_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200909T015511_20200909T015725_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200909T015915_20200909T020127_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200909T033425_20200909T033917_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200909T050912_20200909T050937_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200909T100506_20200909T100812_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200909T132412_20200909T132627_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200909T182811_20200909T182838_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200909T232532_20200909T232953_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200909T042850_20200909T043147_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200909T154725_20200909T155038_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200909T182035_20200909T182607_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200909T222406_20200909T2222925_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric 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.

54

Number of products with errors:

Product Test Failed Description There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOPM_2_20200909T020127_20200909T021242_C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the Total Geocentric Ocean Tide height (solution 1: CS_OFFL_SIR_GOPM_2_20200909T033917_20200909T034700_C001 Total Geocentric Ocean Tide (GOT) GOT) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one Mean Dynamic Topography (1) CS OFFL SIR GOPM 2 20200909T064414 20200909T064820 C001 There is an error with the Mean Dynamic Topography (solution 1) for one CS_OFFL_SIR_GOPM_2_20200909T165051_20200909T165434_C001 Mean Dynamic Topography (1) or more records There is an error with the GPD Wet Tropospheric correction for one or CS OFFL SIR GOPM 2 20200909T223223 20200909T223436 C001 GPD Wet Tropospheric Correction There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOPN_2_20200909T001549_20200909T001710_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 GPD Wet Tropospheric Correction, There is an error with the GPD Wet Tropospheric correction, the MSS CS OFFL SIR GOPN 2 20200909T005601 20200909T010206 C001 Mean Sea Surface (1), Mean Dynamic height (solution 1) and the Mean Dynamic Topography height (solution 1) Topography (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_GOPN_2_20200909T015511_20200909T015725_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one CS OFFL SIR GOPN 2 20200909T023808 20200909T023957 C001 Mean Dynamic Topography (1) or more records There is an error with the Mean Dynamic Topography (solution 1) for one CS_OFFL_SIR_GOPN_2_20200909T024825_20200909T025014_C001 Mean Dynamic 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_GOPN_2_20200909T033425_20200909T033917_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one CS OFFL SIR GOPN 2 20200909T051449 20200909T051650 C001 Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total CS OFFL SIR GOPN 2 20200909T055856 20200909T060110 C001 Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide (FES), Non-Equilibrium Long Period Tide for one or more records Ocean Tide There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOPN_2_20200909T073703_20200909T074018_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_GOPN_2_20200909T100506_20200909T100812_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 GOPN 2 20200909T110245 20200909T110352 C001 opography 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_GOPN_2_20200909T114613_20200909T114711_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 GOPN 2 20200909T124026 20200909T124236 C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for one CS_OFFL_SIR_GOPN_2_20200909T131958_20200909T132300_C001 Mean Dynamic 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_GOPN_2_20200909T132412_20200909T132627_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) for one CS_OFFL_SIR_GOPN_2_20200909T141045_20200909T141232_C001 Mean Dynamic Topography (1) or more records There is an error with the Mean Dynamic Topography (solution 1) for one CS_OFFL_SIR_GOPN_2_20200909T150054_20200909T150451_C001 Mean Dynamic Topography (1) or more records There is an error with the Mean Dynamic Topography (solution 1) for one CS_OFFL_SIR_GOPN_2_20200909T160019_20200909T160217_C001 Mean Dynamic Topography (1) or more records There is an error with the Mean Dynamic Topography (solution 1) for one CS_OFFL_SIR_GOPN_2_20200909T195623_20200909T195846_C001 Mean Dynamic 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_GOPN_2_20200909T204857_20200909T205023_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_GOPN_2_20200909T205533_20200909T205837_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20200909T222926_20200909T223223_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200909T223436_20200909T223956_C001	GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200909T231902_20200909T231957_C001	GPD Wet Tropospheric Correction, Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200909T232532_20200909T232953_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPR_2_20200909T000818_20200909T001436_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_20200909T001436_20200909T001549_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_20200909T014819_20200909T015012_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPR_2_20200909T015050_20200909T015222_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_20200909T015222_20200909T015511_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_20200909T032814_20200909T033425_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_20200909T050937_20200909T051449_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_20200909T063735_20200909T063937_C001	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_20200909T064839_20200909T065642_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_20200909T100812_20200909T101611_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_20200909T114711_20200909T115255_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_20200909T132627_20200909T133321_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_20200909T150452_20200909T151014_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_20200909T164315_20200909T165010_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_20200909T182035_20200909T182607_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_20200909T182607_20200909T182811_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_20200909T183847_20200909T183929_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_20200909T200005_20200909T200624_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_20200909T200624_20200909T200802_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_20200909T213758_20200909T214524_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_20200909T214524_20200909T214734_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_20200909T223956_20200909T224215_C001	GPD Wet Tropospheric Correction	There is an error with the GPD Wet Tropospheric correction for one or more records
CS_OFFL_SIR_GOPR_2_20200909T231757_20200909T231901_C001	GPD Wet Tropospheric Correction	There is an error with the GPD Wet Tropospheric correction for one or more records
CS_OFFL_SIR_GOPR_2_20200909T231957_20200909T232418_C001	GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20200909T232418_20200909T232532_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

5

CS_OFFL_SIR_GOPM_2_20200909T013024_20200909T014345_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20200909T020127_20200909T021242_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20200909T145007_20200909T150054_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20200909T165449_20200909T170119_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20200909T183653_20200909T183847_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_20200908T235409_20200909T000147_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_20200909T001710_20200909T002017_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_20200909T002245_20200909T003813_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_20200909T004027_20200909T005500_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_20200909T010206_20200909T010421_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_20200909T010501_20200909T010919_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_20200909T011201_20200909T012557_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_20200909T012736_20200909T013022_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_20200909T013024_20200909T014345_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_20200909T015757_20200909T015915_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_20200909T020127_20200909T021242_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_20200909T021304_20200909T021512_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_20200909T022201_20200909T023536_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_20200909T023958_20200909T024825_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_20200909T025156_20200909T031326_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_20200909T033917_20200909T034700_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_20200909T034917_20200909T041520_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_20200909T041903_20200909T042058_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_20200909T042150_20200909T042636_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_20200909T043147_20200909T043207_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.

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CS DPIL SIR GOPM 2.2220999T00110 2020999T00100 COUNT	CS_OFFL_SIR_GOPM_2_20200909T052816_20200909T055340_C001 and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T060110_20200909T060706_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T061031_20200909T063009_C001 Ocean Al and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T063937_20200909T064037_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T064414_20200909T064820_C001 Ocean Al and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T065952_20200909T073236_C001 Ocean Al and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T093006_20200909T093939_C001 Ocean Al and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T094126_20200909T094732_C001 Ocean Al and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T094911_20200909T095400_C001 Ocean Al and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T101611_20200909T105054_C001 Ocean Al and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T105416_20200909T105054_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T105921_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T114130_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T111020_20200909T114130_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T111020_20200909T114130_C001 OCOG A Backscat	scatter Quality, OCOG Range and Backscatter Quality Itimeter Range Quality, OCOG tter Quality Itimeter Range, SSHA, SWH scatter Quality, OCOG Range and Backscatter Quality Itimeter Range Quality, OCOG tter Quality Itimeter Range, SSHA, SWH scatter Quality, OCOG Range and Backscatter Quality Itimeter Range, SSHA, SWH scatter Quality, OCOG Range and Backscatter Quality Itimeter Range, SSHA, SWH scatter Quality, OCOG Range and Backscatter Quality Itimeter Range, SSHA, SWH scatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter 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 OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
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and Backwaster Quality, CCOQ Allmeter Range and Backwaster Quality	CS_OFFL_SIR_GOPM_2_20200909T064414_20200909T064820_C001 and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T065952_20200909T073236_C001 CS_OFFL_SIR_GOPM_2_20200909T093006_20200909T093939_C001 CS_OFFL_SIR_GOPM_2_20200909T09406_20200909T093939_C001 CS_OFFL_SIR_GOPM_2_20200909T094126_20200909T094732_C001 CS_OFFL_SIR_GOPM_2_20200909T09411_20200909T094732_C001 CS_OFFL_SIR_GOPM_2_20200909T094911_20200909T095400_C001 CS_OFFL_SIR_GOPM_2_20200909T101611_20200909T105054_C001 CS_OFFL_SIR_GOPM_2_20200909T105416_20200909T105921_C001 CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T10245_C001 CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T110245_C001 CS_OFFL_SIR_GOPM_2_20200909T111020_20200909T114130_C001 CS_OFFL_SIR_GOPM_2_20200909T111020_20200909T114612_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001	sscatter Quality, OCOG Range and Backscatter Quality Itimeter Range, SSHA, SWH sscatter Quality, OCOG Range and Backscatter Quality Itimeter Range, SSHA, SWH sscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the COGO Althrender Range and Backscatter Quality Flags and the COGO Althrender Range and Backscatter Quality Flags CS_OFFL_SIR_GOPM_2_20200000T093006_20200000T093309_C000 Althrender Range and Backscatter Quality Flags have been Althrender Range. SSHA, SWH and Backscatter Quality Flags have been Althrender Range and Backscatter Quality Flags have been Althrender Range. SSHA, SWH and Backscatter Quality Flags have been Althrender Range. SSHA, SWH and Backscatter Quality Flags have been Althrender Range and Backscatter Quality Flags have been Althrender Range and Backscatter Quality Flags have been Althrender Range and Backscatter Quality Flags and the COGO Althrender Range and Backscatter Quality Flags and the COGO Althrender Range and Backscatter Quality Flags and the COGO Althrender Range and Backscatter Quality Flags and the COGO Althrender Range and Backscatter Quality Flags and the COGO Althrender Range and Backscatter Quality Flags have been Althrender Range and Backscatter Quality Flags have been Althrender Range and Backscatter Quality Flags have been extra for one or none records. CS_OFFL_SIR_GOPM_2_202000000T106416_20200000T106416_20200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T110641_200000T1	CS_OFFL_SIR_GOPM_2_20200909T065952_20200909T073236_C001 and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T093006_20200909T093939_C001 CS_OFFL_SIR_GOPM_2_20200909T094126_20200909T094732_C001 CS_OFFL_SIR_GOPM_2_20200909T094126_20200909T094732_C001 CS_OFFL_SIR_GOPM_2_20200909T094911_20200909T095400_C001 CS_OFFL_SIR_GOPM_2_20200909T101611_20200909T105054_C001 CS_OFFL_SIR_GOPM_2_20200909T105416_20200909T105921_C001 CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T10245_C001 CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T110245_C001 CS_OFFL_SIR_GOPM_2_20200909T111020_20200909T114130_C001 CS_OFFL_SIR_GOPM_2_20200909T111020_20200909T114130_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001	sscatter Quality, OCOG Range and Backscatter Quality Itimeter Range, SSHA, SWH sscatter Quality, OCOG	
and Backscatter Quality, COCG CS_OFFL_SIR_GOPM_2_202000091094120_202000091094732_C0011 Semi-subscription and the OCCO Altimeter Range and Backscatter Quality Flags have been after the COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_202000091094120_202000091094732_C0011 Semi-subscription and the OCCO Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200009110911_20200000110904_C0011 CS_OFFL_SIR_GOPM_2_20200009110911_20200000110904_C0011 CS_OFFL_SIR_GOPM_2_20200009110941_20200000110945_C0011 CS_OFFL_SIR_GOPM_2_20200009110941_20200000110945_C0011 CS_OFFL_SIR_GOPM_2_20200009110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_20200009110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_20200009110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000091110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000091110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000091110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000091110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000091110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000091110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000091110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000091110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000091110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000001110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000001110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000001110941_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000001110945_C0011 CS_OFFL_SIR_GOPM_2_202000001110945_C00011 CS_OFFL_SIR_GOPM_2_202000001110945_C00011 CS_OFFL_SIR_GOPM_2_202000001110945_C0001110945_C00011 CS_OFFL_SIR_GOPM_2_202000001110945_C0001110945_C00011 CS_OFFL_SIR_GOPM_2_202000001110945_C00001110945_C00011 CS_OFFL_SIR_GOPM_2_202000001110945_C00001110945_C0001110945_C0001110945_	CS_OFFL_SIR_GOPM_2_20200909T093006_20200909T093939_C001 and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T094126_20200909T094732_C001 Ocean Al and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T094911_20200909T095400_C001 And Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T101611_20200909T105054_C001 Ocean Al and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T105416_20200909T105054_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T105921_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T110245_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T11020_20200909T114130_C001 OCEAN Altimeter CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T1144130_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T1144130_C001 OCOG A OCOG A COCOG A COCO	scatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality Flags have been self for one or more records. CS_OFFL_SIR_GOPM_2_20200009T04011_20200000T050400_C001 CS_OFFL_SIR_GOPM_2_20200009T106111_20200000T050400_C001 CS_OFFL_SIR_GOPM_2_20200009T106111_20200000T10504_C001 CS_OFFL_SIR_GOPM_2_20200009T106111_20200000T10504_C001 CS_OFFL_SIR_GOPM_2_20200009T106416_20200000T10504_C001 CS_OFFL_SIR_GOPM_2_20200009T106416_20200000T10504_C001 CS_OFFL_SIR_GOPM_2_20200009T106416_20200000T10504_C001 CS_OFFL_SIR_GOPM_2_202000009T106416_20200000T10504_C001 CS_OFFL_SIR_GOPM_2_202000009T106416_20200000T10504_C001 CS_OFFL_SIR_GOPM_2_202000009T106416_20200000T10504_C001 CS_OFFL_SIR_GOPM_2_202000009T106416_20200000T10604_C001 CS_OFFL_SIR_GOPM_2_202000009T106416_20200000T10604_C001 CS_OFFL_SIR_GOPM_2_202000009T106416_20200000T10604_C001 CS_OFFL_SIR_GOPM_2_202000009T106416_20200000T110645_C001 CS_OFFL_SIR_GOPM_2_202000009T106416_20200000T110645_C001 CS_OFFL_SIR_GOPM_2_202000009T106416_202000000T110645_C001 CS_OFFL_SIR_GOPM_2_202000009T106416_202000000T110645_C001 CS_OFFL_SIR_GOPM_2_202000009T106416_202000000T110645_C001 CS_OFFL_SIR_GOPM_2_202000009T1106416_202000000T110645_C001 CS_OFFL_SIR_GOPM_2_202000000T1106416_202000000T110645_C001 CS_OFFL_SIR_GOPM_2_202000000T1106416_202000000T110645_C001 CS_OFFL_SIR_GOPM_2_202000000T1106416_202000000T1106506_C001 CS_OFFL_SIR_GOPM_2_202000000T1106416_202000000T1106506_C001 CS_OFFL_SIR_GOPM_2_202000000T1106416_20200000T1106506_C001 CS_OFFL_SIR_GOPM_2_202000000T120006_C001 CS_OFFL_SIR_GOPM_2_202000000T120006_C001 CS_OFFL_SIR_GOPM_2_202000000T120006_C001 CS_OFFL_SIR_GOPM_2_202000000T120006_C001 CS_OFFL_SIR_GOPM_2_202000000T1200060T120006_C001 CS_OFFL_SIR_GOPM_2_202000000T120006_C001 CS_OFFL_SIR_GOPM_2_202000000T120006_C001 CS_OFFL_SIR_GOPM_2_202000000T120006_C001 CS_OFFL_SIR_GOPM_2_202000000T120006_C001 CS_OFFL_SIR_GOPM_2_202000000T120006_C001 CS_OFFL_SIR_GOPM_2_20200000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20200909T094126_20200909T094732_C001 and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T094911_20200909T095400_C001 Ocean Al and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T101611_20200909T105054_C001 Ocean Al and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T105416_20200909T105921_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T110245_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T11020_20200909T114130_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T111020_20200909T114130_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T1144130_C001 OCOG A Backscat	- ,	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200909T10611_20200909T106054_C001 CS_OFFL_SIR_GOPM_2_20200909T10611_20200909T106054_C001 CS_OFFL_SIR_GOPM_2_20200909T10611_20200909T106054_C001 CS_OFFL_SIR_GOPM_2_20200909T10611_20200909T106054_C001 CS_OFFL_SIR_GOPM_2_20200909T106418_20200909T106054_C001 CS_OFFL_SIR_GOPM_2_20200909T105418_20200909T105921_C001 CS_OFFL_SIR_GOPM_2_20200909T105418_20200909T105941_C001 CS_OFFL_SIR_GOPM_2_20200909T105418_20200909T105941_C001 CS_OFFL_SIR_GOPM_2_20200909T105418_20200909T106541_C001 CS_OFFL_SIR_GOPM_2_20200909T105418_20200909T106541_C001 CS_OFFL_SIR_GOPM_2_20200909T105418_20200909T106541_C001 CS_OFFL_SIR_GOPM_2_20200909T106418_20200909T106641_C001 CS_OFFL_SIR_GOPM_2_20200909T106418_20200909T106664_C001 CS_OFFL_SIR_GOPM_2_20200909T106664_C001 CS_OFFL_SIR_GOPM_2_20200909T106664_C001 CS_OFFL_SIR_GOPM_2_20200909T106666_C001 CS_OFFL_SIR_GOPM_2_20200909T1066666_C001 CS_OFFL_SIR_GOPM_2_20200909T106666_C0	CS_OFFL_SIR_GOPM_2_20200909T094911_20200909T095400_C001 and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T101611_20200909T105054_C001 CS_OFFL_SIR_GOPM_2_20200909T105416_20200909T105921_C001 CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T105921_C001 CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T110245_C001 CS_OFFL_SIR_GOPM_2_20200909T11020_20200909T114130_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001	scatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and blackscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200909T105416_20200909T105921_C001 CS_OFFL_SIR_GOPM_2_20200909T105416_20200909T105921_C001 CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T110245_C001 CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T110245_C001 CS_OFFL_SIR_GOPM_2_20200909T1105941_20200909T110595_C001 CS_OFFL_SIR_GOPM_2_20200909T1105941_20200909T110595_C001 CS_OFFL_SIR_GOPM_2_20200909T110595_C001 CS_OFFL_SIR_GOPM_2_20200909T110595_C001 CS_OFFL_SIR_GOPM_2_20200909T110595_C001 CS_OFFL_SIR_GOPM_2_20200909T110595_C001 CS_OFFL_SIR_GOPM_2_20200909T110595_C001 CS_OFFL_SIR_GOPM_2_20200909T110595_C001 CS_OFFL_SIR_GOPM_2_20200909T110595_C001 CS_OFFL_SIR_GOPM_2_20200909T123313_20200909T123820_C001 CS_OFFL_SIR_GOPM_2_20200909T123830_20019 CS_OFFL_SIR_GOPM_2_20200909T123830_20019 CS_OFFL_SIR_GOPM_2_20200909T123313_20200909T12380_C001 CS_OFFL_SIR_GOPM_2_20200909T123313_20200909T12380_C001 CS_OFFL_SIR_GOPM_2_20200909T123313_20200909T12380_C001 CS_OFFL_SIR_GOPM_2_20200909T12380_C001 CS_OFFL_SIR_GOPM_2_20200909T12380_C001 CS_OFFL_SIR_GOPM_2_20200909T12380_C001 CS_OFFL_SIR_GOPM_2_20200909T12380_C001 CS_OFFL_SIR_GOPM_2_20200909T12380_C001 CS_OFFL_SIR_GOPM_2_20200909T12380_C001 CS_OFFL_	CS_OFFL_SIR_GOPM_2_20200909T101611_20200909T105054_C001 and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T105416_20200909T105921_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T110245_C001 OCOG A Backscat CS_OFFL_SIR_GOPM_2_20200909T11020_20200909T114130_C001 and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001 OCOG A	scatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T110245_C001 CS_OFFL_SIR_GOPM_2_20200909T11020_20200909T114130_C001 CS_OFFL_SIR_GOPM_2_20200909T111020_20200909T114130_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114130_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001 CS_OFFL_SIR_GOPM_2_20200909T114413_C0001 CS_OFFL_SIR_GOPM_2_20200909T115041_20200909T120005_C001 CS_OFFL_SIR_GOPM_2_20200909T115041_20200909T120005_C001 CS_OFFL_SIR_GOPM_2_20200909T12005_C001 CS_OFFL_SIR_GOPM_2_20200909T12005_C001 CS_OFFL_SIR_GOPM_2_20200909T12005_C001 CS_OFFL_SIR_GOPM_2_20200909T12005_C001 CS_OFFL_SIR_GOPM_2_20200909T12005_C001 CS_OFFL_SIR_GOPM_2_20200909T12005_C001 CS_OFFL_SIR_GOPM_2_20200909T12005_C001 CS_OFFL_SIR_GOPM_2_20200909T12005_C001 CS_OFFL_SIR_GOPM_2_20200909T123313_20200909T123000_C001 CS_OFFL_SIR_GOPM_2_20200909T123313_20200909T123000_C001 CS_OFFL_SIR_GOPM_2_20200909T123005_C001 CS_OFFL_SIR_GOPM_2_20200909T123005_C001 CS_OFFL_SIR_GOPM_2_20200909T123005_C001 CS_OFFL_SIR_GOPM_2_20200909T123005_C001 CS_OFFL_SIR_GOPM_2_20200909T123005_C001 CS_OFFL_SIR_GOPM_2_20200909T123005_C001 CS_OFFL_SIR_GOPM_2_20200909T123005_C001 CS_OFFL_SIR_GOPM_2_20200909T123005_C001 CS_OFFL_SIR_GOPM_2_20200909T124005_C001 CS_OFFL_SIR_GOPM_2_20200909T124005_C0010 CS_OFFL_SIR_GOPM_2_20200909T124005_C0010 CS_OFFL_SIR_GOPM_2_20200909T124005_C0010 CS_OFFL_SIR_GOPM_2_20200909T124005_C00100	CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T105921_C001 Backscat CS_OFFL_SIR_GOPM_2_20200909T105941_20200909T110245_C001 CS_OFFL_SIR_GOPM_2_20200909T111020_20200909T114130_C001 CS_OFFL_SIR_GOPM_2_20200909T111020_20200909T114130_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001 OCOG_A	scatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20200909T111020_20200909T114130_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114130_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001 CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001 CS_OFFL_SIR_GOPM_2_20200909T115441_20200909T120905_C001 CS_OFFL_SIR_GOPM_2_20200909T115441_20200909T120905_C001 CS_OFFL_SIR_GOPM_2_20200909T115441_20200909T120905_C001 CS_OFFL_SIR_GOPM_2_20200909T12001_200009T120005_C001 CS_OFFL_SIR_GOPM_2_20200909T12001_200009T120005_C001 CS_OFFL_SIR_GOPM_2_20200909T12001_2000009T120005_C001 CS_OFFL_SIR_GOPM_2_20200909T12001_2000009T120005_C001 CS_OFFL_SIR_GOPM_2_20200909T12001_2000009T120005_C001 CS_OFFL_SIR_GOPM_2_20200909T12001_2000009T120005_C001 CS_OFFL_SIR_GOPM_2_20200909T12000009T120005_C001 CS_OFFL_SIR_GOPM_2_202000909T120005_C001 CS_OFFL_SIR_GOPM_2_202000909T12000009T120005_C001 CS_OFFL_SIR_GOPM_2_202000909T12000009T120005_C001 CS_OFFL_SIR_GOPM_2_202000009T120000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20200909T11029_20200909T110245_C001 Backscat Ocean Al and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001 OCOG A		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001 DCOG Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_GOPM_2_20200909T115441_20200909T120905_C001 CS_OFFL_SIR_GOPM_2_20200909T115441_20200909T120905_C001 DCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Set for one or more records. DCOG Altimeter Range and Backscatter Quality Set for one or more records. DCOG Altimeter Range and Backscatter Quality Set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for	CS_OFFL_SIR_GOPM_2_20200909T111020_20200909T114130_C001 and Back Altimeter CS_OFFL_SIR_GOPM_2_20200909T114437_20200909T114612_C001 OCOG_A		, ,
Backscatter Quality CS_OFFL_SIR_GOPM_2_20200909T119441_20200909T120905_C001 CS_OFFL_SIR_GOPM_2_20200909T12017_20200909T120303_C001 CS_OFFL_SIR_GOPM_2_20200909T121017_20200909T123030_C001 CS_OFFL_SIR_GOPM_2_20200909T121017_20200909T123030_C001 CS_OFFL_SIR_GOPM_2_20200909T123313_20200909T123820_C001 CS_OFFL_SIR_GOPM_2_20200909T123313_20200909T123820_C001 CS_OFFL_SIR_GOPM_2_20200909T123313_20200909T123820_C001 CS_OFFL_SIR_GOPM_2_20200909T123858_20200909T123820_C001 CS_OFFL_SIR_GOPM_2_20200909T123858_20200909T123858_20200909T123858_20200909T123858_20200909T123858_20200909T123958_C001 CS_OFFL_SIR_GOPM_2_20200909T123858_20200909T123958_C001 CS_OFFL_SIR_GOPM_2_20200909T123858_20200909T123958_C001 CS_OFFL_SIR_GOPM_2_20200909T124801_20200909T131958_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T131958_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T134958_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T13400_C0009T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T13400_C0009T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T13400_C0009T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T13400_C0009T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T13400_C0009T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130400_C000909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130400_C000909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130400_C000909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200		scatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200909T12017_20200909T120303_C001 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 have been Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200909T123313_20200909T123820_C001 CS_OFFL_SIR_GOPM_2_20200909T123858_20200909T124025_C001 CS_OFFL_SIR_GOPM_2_20200909T123858_20200909T124025_C001 CS_OFFL_SIR_GOPM_2_20200909T124801_20200909T125756_C001 CS_OFFL_SIR_GOPM_2_20200909T124801_20200909T125756_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T13958_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T131958_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_20200909T132400_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_20200909T132400_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_C001 CS_OFFL_SIR_GOPM_2_20200909T132400_C001 CS_OFFL_	Ų.		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20200909T123313_20200909T123820_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The 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 set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20200909T115441_20200909T120905_C001 and Back	scatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20200909T123858_20200909T124025_C001 DCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200909T124801_20200909T125756_C001 CS_OFFL_SIR_GOPM_2_20200909T124801_20200909T125756_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T131958_C001 CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T131958_C001 CS_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 Backscatter Quality CCOG Altimeter 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 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_20200909T132300_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 DCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_GOPM_2_20200909T121017_20200909T123030_C001 and Back	scatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Cs_OFFL_SIR_GOPM_2_20200909T124801_20200909T125756_C001 Cs_OFFL_SIR_GOPM_2_20200909T124801_20200909T125756_C001 Cs_OFFL_SIR_GOPM_2_20200909T130415_20200909T131958_C001 Cs_OFFL_SIR_GOPM_2_20200909T130415_20200909T131958_C001 Cs_OFFL_SIR_GOPM_2_20200909T130415_20200909T131958_C001 Cs_OFFL_SIR_GOPM_2_20200909T130415_20200909T132401_C001 Cs_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 Cs_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 Cs_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 Cs_OFFL_SIR_GOPM_2_20200909T132300_20200909T135406_C001 Backscatter Quality Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been a			
CS_OFFL_SIR_GOPM_2_20200909T124801_20200909T125756_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T131958_C001 CS_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 CS_OFFL_SIR_GOPM_2_20200909T132300_20200909T135406_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for One or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been			
CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T131958_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 set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH And Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH And Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_GOPM_2_20200909T124801_20200909T125756_C001 and Back	scatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_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 and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altime	CS_OFFL_SIR_GOPM_2_20200909T130415_20200909T131958_C001 and Back	scatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200909T134200_20200909T135406_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20200909T132300_20200909T132401_C001 and Back	scatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Altimeter Range and Backscatter Quality set for one or more records.	CS_OFFL_SIR_GOPM_2_20200909T134200_20200909T135406_C001 and Back	scatter Quality, OCOG	
CS_OFFL_SIR_GOPM_2_20200909T135546_20200909T140912_C001 Ocean Altimeter Range, SSHA, SWH 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_20200909T135546_20200909T140912_C001 and Back	scatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_GOPM_2_20200909T141232_20200909T141731_C001 OCOG A Backscat		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_GOPM_2_20200909T142609_20200909T142854_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200909T142915_20200909T144501_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_20200909T145007_20200909T150054_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_20200909T152646_20200909T154725_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_20200909T155312_20200909T155649_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_20200909T155711_20200909T160019_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_20200909T160416_20200909T163050_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_20200909T170304_20200909T172722_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_20200909T173055_20200909T173604_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_20200909T173611_20200909T173938_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_20200909T174338_20200909T181647_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_20200909T182911_20200909T183619_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_20200909T184356_20200909T184547_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_20200909T190246_20200909T190634_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_20200909T191056_20200909T191638_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_20200909T192426_20200909T195623_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_20200909T200802_20200909T201026_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_20200909T202421_20200909T204452_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_20200909T205023_20200909T205533_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_20200909T210242_20200909T213758_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_20200909T214734_20200909T214954_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_20200909T220529_20200909T222406_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_20200909T223223_20200909T223436_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_20200909T232953_20200909T234911_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_20200909T234952_20200910T000306_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_20200909T065642_20200909T065804_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_20200909T155649_20200909T155656_C001	0 3.	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20200909T100424_20200909T100505_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors: 76		
Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20200909T002017_20200909T002245_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_20200909T005601_20200909T010206_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_20200909T010920_20200909T011057_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_20200909T015511_20200909T015725_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_20200909T015915_20200909T020127_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_20200909T021738_20200909T022201_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_20200909T031504_20200909T031841_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_20200909T033425_20200909T033917_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_20200909T055712_20200909T055832_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_20200909T073703_20200909T074018_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_20200909T094732_20200909T094902_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_20200909T100506_20200909T100812_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_20200909T105226_20200909T105416_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_20200909T110352_20200909T110423_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_20200909T114131_20200909T114249_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_20200909T114613_20200909T114711_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_20200909T131958_20200909T132300_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_20200909T132412_20200909T132627_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_20200909T150054_20200909T150451_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_20200909T152119_20200909T152504_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_20200909T155038_20200909T155312_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_20200909T155649_20200909T155656_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_20200909T173938_20200909T174106_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_20200909T190934_20200909T191055_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_20200909T191840_20200909T191954_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_20200909T195623_20200909T195846_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_20200909T201027_20200909T201122_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_20200909T204857_20200909T205023_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_20200909T205533_20200909T205837_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_20200909T222926_20200909T223223_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_20200909T223436_20200909T223956_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_20200909T003813_20200909T004027_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_20200909T005500_20200909T005601_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_20200909T012557_20200909T012736_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_20200909T014819_20200909T015012_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_20200909T015222_20200909T015511_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_20200909T025014_20200909T025156_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_20200909T034701_20200909T034917_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_20200909T041520_20200909T041743_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_20200909T042850_20200909T043147_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_20200909T050937_20200909T051449_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_20200909T055340_20200909T055712_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_20200909T063735_20200909T063937_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_20200909T064307_20200909T064414_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_20200909T064839_20200909T065642_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_20200909T073236_20200909T073703_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_20200909T100042_20200909T100233_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_20200909T100812_20200909T101611_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, 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
CS_OFFL_SIR_GOPR_2_20200909T110424_20200909T111020_C001	PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG	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
00_011E_0IIX_0011X_2_2020000011110424_202000001111020_0001	Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH	set for one or more records.
CS_OFFL_SIR_GOPR_2_20200909T114711_20200909T115255_C001	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_20200909T124237_20200909T124801_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_20200909T130202_20200909T130415_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_20200909T132627_20200909T133321_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_20200909T135407_20200909T135546_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_20200909T140912_20200909T141034_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_20200909T150452_20200909T151014_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_20200909T151046_20200909T151205_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_20200909T154725_20200909T155038_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_20200909T160217_20200909T160415_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Bange, SSHA, SWH, Ocean Altimeter Bange, SSHA, SWH, Descan Bange,	The Ocean Altimeter Range, SSHA, SWH 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_20200909T164315_20200909T165010_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_20200909T172722_20200909T172920_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_20200909T174107_20200909T174338_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_20200909T182035_20200909T182607_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_20200909T184715_20200909T184740_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_20200909T190634_20200909T190934_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_20200909T191954_20200909T192425_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_20200909T200005_20200909T200624_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_20200909T201137_20200909T201507_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_20200909T201759_20200909T202118_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_20200909T204452_20200909T204857_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_20200909T205838_20200909T210241_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_20200909T213758_20200909T214524_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_20200909T214954_20200909T220009_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been CS OFFL SIR GOPR 2 20200909T222406 20200909T222925 C001 Altimeter Range and Backscatter Quality set for one or more records. PLRM Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG CS OFFL SIR GOPR 2 20200909T223956 20200909T224215 C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality
PLRM set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG

PLRM

Altimeter Range and Backscatter Quality

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

set for one or more records

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

172

> 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

CS OFFL SIR GOPR 2 20200909T231957 20200909T232418 C001

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:

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

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 tes

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20200908T232436_20200909T001412_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20200909T001412_20200909T010350_C001	GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the GPD Wet Troposheric Correction for one or more records, the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20200909T010350_20200909T015327_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20200909T015327_20200909T024305_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_20200909T024305_20200909T033242_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_20200909T033242_20200909T042220_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20200909T042220_20200909T051156_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_220200909T051156_20200909T060134_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records

CS_OFFL_SIR_GOP_2_20200909T060134_20200909T065111_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_20200909T065111_20200909T074049_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_20200909T092004_20200909T100940_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20200909T100940_20200909T105918_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_20200909T105918_20200909T114855_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_20200909T114855_20200909T123833_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_20200909T123833_20200909T132810_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_20200909T132810_20200909T141748_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_20200909T141748_20200909T150724_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_20200909T150724_20200909T155702_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_20200909T155702_20200909T164639_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_20200909T164639_20200909T173617_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_20200909T173617_20200909T182554_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_20200909T182554_20200909T191532_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_20200909T191532_20200909T200509_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_20200909T200509_20200909T205447_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_220200909T205447_20200909T214423_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20200909T214423_20200909T223401_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_20200909T232338_20200910T001316_C002	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20200909T010350_20200909T015327_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_2_20200909T015327_20200909T024305_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220200909T141748_20200909T150724_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220200909T164639_20200909T173617_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220200909T182554_20200909T191532_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors:

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors:

27

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:

27

26

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	133	133	2	131	0
SIR_GOPR1B	88	88	0	88	0
SIR_GOPN1B	84	84	0	84	0
SIR_GOPM_2	133	133	82	51	0
SIR_GOPR_2	88	88	25	62	1
SIR_GOPN_2	84	84	26	58	0
SIR GOP P2P	26	26	0	25	1

7.1 QCC Errors

Number of QCC reports with errors:

2

Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOPR_2	1	1	1	1							
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR GOP 2	1	1	1	1							

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

7.2 QCC Warnings

Number of QCC reports with warnings

1870

Total number of occurrences of each warning

	Total names of countries									
	Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD		
Ī	SIR_GOPM1B	131	0	0	0	0	0	0		
	SIR_GOPM_2	0	0	41	37	1	36	0		
	SIR_GOPN1B	81	0	0	0	0	0	0		
	SIR_GOPN_2	0	0	8	26	8	24	26		
	SIR_GOPR1B	87	0	0	0	0	0	0		
	SIR GOPR 2	0	1	31	32	4	29	28		

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	30	35	0	0	0	0	30
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	19	0	0	17	0	28	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	15	0	37	0	38	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
Product Type	KF EF OF SAKNODI	KF EF OF SINNODI	KOODOONODI	KSSHAOI DIVODI	KOSTIACI DI EKWINGDI	KOSHAONODI	KOWHOLFI DRODI
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	0	3	26	0	5	35
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	22	20	36	40	26	24
SIR_GOPR1B	0	0	0	0	0	0	0
SIR GOPR 2	35	0	0	49	38	16	29

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	•	•
SIR_GOPM1B	0	0	0	0	0		
SIR_GOPM_2	0	2	0	0	0		
SIR_GOPN1B	0	0	0	40	1		
SIR_GOPN_2	24	11	4	0	0		
SIR_GOPR1B	0	0	0	88	5		
SIR_GOPR_2	37	2	1	0	0		

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR_GOP_2_	11		26		25	17	24

SIR_GOP_2 18 26 22 18 26 19 24	Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
		18	26	22	18	26	19	24

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	•	•
SIR_GOP_2_	25	18	13	26		

Test Description Key:						
Abbreviation	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)				
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				

RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
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	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports: