







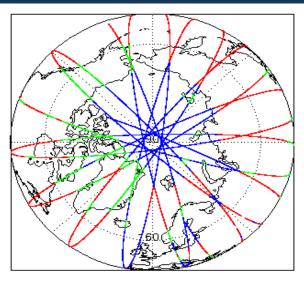
1. Overview

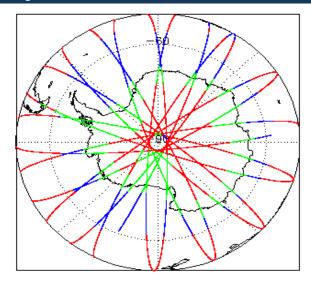
Report Production:	14-Nov-2019
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

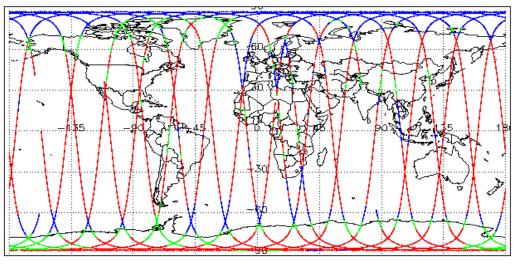
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

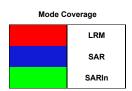
Mission / Instru	ment News
13-Oct-2019	None
14-Oct-2019	None
15-Oct-2019	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

0

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

Product Test Failed Description CS_OFFL_SIR_GOPM1B_20191014T021628_20191014T022110_C001 Loss of Echo The tracking echo is missing for one or more records CS OFFL SIR GOPM1B 20191014T053123 20191014T054709 C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPN1B_20191014T023210_20191014T023521_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPN1B_20191014T055118_20191014T055333_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPN1B_20191014T155231_20191014T155653_C001 Loss of Echo The tracking echo is missing for one or more records CS OFFL SIR GOPN1B 20191014T173411 20191014T173636 C001 Loss of Echo The tracking echo is missing for one or more records CS OFFL SIR GOPN1B 20191014T180902 20191014T181004 C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPN1B_20191014T235119_20191014T235322_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPR1B_20191014T055333_20191014T060018_C001 Loss of Echo The tracking echo is missing for one or more records CS OFFL SIR GOPR1B 20191014T091017 20191014T092026 C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPR1B_20191014T113328_20191014T113641_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPR1B_20191014T122642_20191014T123326_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPR1B_20191014T140508_20191014T141225_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPR1B_20191014T172457_20191014T172944_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPR1B_20191014T204613_20191014T205034_C001 Loss of Echo The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20191014T032636_20191014T032643_C001	GPD Wet Tropospheric Correction	There is an error with the GPD Wet Tropospheric correction for one or more records
CS_OFFL_SIR_GOPN_2_20191014T000417_20191014T000730_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_20191014T001249_20191014T001407_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T010405_20191014T010446_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T014300_20191014T014619_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_20191014T015145_20191014T015310_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T023210_20191014T023521_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20191014T032951_20191014T033130_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_20191014T041321_20191014T041419_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_20191014T050733_20191014T050945_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_20191014T055118_20191014T055333_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_20191014T063753_20191014T063939_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T064623_20191014T065234_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_20191014T072800_20191014T073156_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_20191014T082728_20191014T082925_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T122329_20191014T122546_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T131600_20191014T131725_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_20191014T132236_20191014T132541_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20191014T145631_20191014T145927_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_20191014T150138_20191014T150659_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_20191014T155231_20191014T155653_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20191014T163613_20191014T163848_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_20191014T173127_20191014T173239_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_20191014T181316_20191014T181707_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T191048_20191014T191311_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T191329_20191014T191512_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T195331_20191014T195522_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_20191014T200345_20191014T200554_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T204544_20191014T204613_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T205034_20191014T205507_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T213308_20191014T213446_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20191014T231302_20191014T231644_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_20191014T005427_20191014T010314_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_20191014T023521_20191014T024310_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_20191014T041419_20191014T042001_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_20191014T055333_20191014T060018_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
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CS_OFFL_SIR_GOPR_2_20191014T073157_20191014T073719_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_20191014T091017_20191014T092026_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20191014T104949_20191014T105516_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_20191014T110545_20191014T110638_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_20191014T122642_20191014T123326_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_20191014T123326_20191014T123539_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_20191014T140508_20191014T141225_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_20191014T141225_20191014T141443_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_20191014T154658_20191014T155119_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_20191014T155119_20191014T155231_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_20191014T172457_20191014T172944_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_20191014T172944_20191014T173126_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_20191014T190436_20191014T191048_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_20191014T204140_20191014T204426_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_20191014T204613_20191014T205034_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_20191014T222420_20191014T223246_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:

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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:

84

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20191014T000730_20191014T001249_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_20191014T001926_20191014T002048_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191014T004017_20191014T004140_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_20191014T005026_20191014T005426_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191014T010446_20191014T010539_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_20191014T010607_20191014T011531_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191014T011817_20191014T013940_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191014T014619_20191014T014732_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191014T014739_20191014T015145_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_GOPM_2_20191014T015712_20191014T020650_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_20191014T020837_20191014T021445_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_20191014T021628_20191014T022110_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_20191014T024311_20191014T031817_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_20191014T032124_20191014T032630_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_20191014T032650_20191014T032951_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_20191014T033729_20191014T040829_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_20191014T042306_20191014T044242_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_20191014T044251_20191014T045748_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_20191014T050022_20191014T050528_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_20191014T051506_20191014T052504_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_20191014T053123_20191014T054709_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_20191014T060354_20191014T062113_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_20191014T062252_20191014T063612_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_20191014T063939_20191014T064439_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_20191014T064504_20191014T064513_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_20191014T064520_20191014T064623_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_20191014T065241_20191014T071220_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_20191014T071222_20191014T071500_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_20191014T071622_20191014T072800_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_20191014T075357_20191014T081443_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_20191014T082019_20191014T082355_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_20191014T082417_20191014T082728_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_20191014T083114_20191014T085813_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_20191014T093003_20191014T095428_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_20191014T095801_20191014T100309_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_20191014T100316_20191014T100643_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_20191014T101046_20191014T104356_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_20191014T105620_20191014T105847_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_20191014T110639_20191014T111418_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_20191014T111843_20191014T112442_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_20191014T112950_20191014T113328_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_20191014T113800_20191014T114342_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_20191014T115124_20191014T120727_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_20191014T121847_20191014T122328_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_20191014T123539_20191014T123730_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_20191014T125612_20191014T131155_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_20191014T131726_20191014T132235_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_20191014T132934_20191014T140507_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_20191014T141443_20191014T141654_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_20191014T143226_20191014T145010_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_20191014T150913_20191014T154413_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_20191014T155700_20191014T161605_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_20191014T161652_20191014T163013_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_20191014T164212_20191014T164548_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_20191014T164825_20191014T170307_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_20191014T170509_20191014T171431_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_20191014T173239_20191014T173411_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_20191014T173637_20191014T175352_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_20191014T180151_20191014T180831_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_20191014T181707_20191014T182012_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_20191014T182804_20191014T184210_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_20191014T191513_20191014T191617_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_20191014T191627_20191014T191845_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_20191014T210312_20191014T210342_CO01 CS_OFFL_SIR_GOPM_2_20191014T210312_20191014T21045_CO01 CS_OFFL_SIR_GOPM_2_20191014T210312_20191014T21450_CO01 CS_OFFL_SIR_GOPM_2_20191014T213734_20191014T21450_CO01 CS_OFFL_SIR_GOPM_2_20191014T213734_20191014T21450_CO01 CS_OFFL_SIR_GOPM_2_20191014T214701_20191014T21450_CO01 CS_OFFL_SIR_GOPM_2_20191014T214701_20191014T221450_CO01 CS_OFFL_SIR_GOPM_2_20191014T214701_20191014T221450_CO01 CS_OFFL_SIR_GOPM_2_20191014T221470_20191014T222420_CO01 CS_OFFL_SIR_GOPM_2_20191014T223747_20191014T222420_CO01 CS_OFFL_SIR_GOPM_2_20191014T223747_20191014T222420_CO01 CS_OFFL_SIR_GOPM_2_20191014T223747_20191014T222420_CO01 CS_OFFL_SIR_GOPM_2_20191014T223747_20191014T230824_CO01 CS_OFFL_SIR_GOPM_2_20191014T233747_20191014T230824_CO01 CS_OFFL_SIR_GOPM_2_20191014T23747_20191014T230824_CO01 CS_OFFL_SIR_GOPM_2_20191014T23747_20191014T23086_CO01 CS_OFFL_SIR_GOPM_2_20191014T23747_20191014T23086_CO01 CS_OFFL_SIR_GOPM_2_20191014T23747_20191014T23086_CO01 CS_OFFL_SIR_GOPM_2_20191014T23084_20191014T23086_CO01 CS_OFFL_SIR_GOPM_2_20191014T23086_20191014T23086_CO01 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_CO01 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_CO01 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_CO01 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_CO01 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000830_CO01 CS_OFFL_SI	gs een
Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20191014T213734_20191014T214149_C001 CS_OFFL_SIR_GOPM_2_20191014T214701_20191014T221450_C001 CS_OFFL_SIR_GOPM_2_20191014T214701_20191014T221450_C001 CS_OFFL_SIR_GOPM_2_20191014T21450_2001 CS_OFFL_SIR_GOPM_2_20191014T22145_20191014T222420_C001 CS_OFFL_SIR_GOPM_2_20191014T223747_20191014T222420_C001 CS_OFFL_SIR_GOPM_2_20191014T223747_20191014T2230824_C001 CS_OFFL_SIR_GOPM_2_20191014T223747_20191014T230824_C001 CS_OFFL_SIR_GOPM_2_20191014T231644_20191014T232225_C001 CS_OFFL_SIR_GOPM_2_20191014T231644_20191014T232225_C001 CS_OFFL_SIR_GOPM_2_20191014T231644_20191014T233006_C001 CS_OFFL_SIR_GOPM_2_20191014T232608_20191014T233006_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_2019	set
Backscatter Quality CS_OFFL_SIR_GOPM_2_20191014T214701_20191014T221450_C001 CS_OFFL_SIR_GOPM_2_20191014T222145_20191014T222420_C001 CS_OFFL_SIR_GOPM_2_20191014T222145_20191014T222420_C001 CS_OFFL_SIR_GOPM_2_20191014T223747_20191014T223824_C001 CS_OFFL_SIR_GOPM_2_20191014T23747_20191014T230824_C001 CS_OFFL_SIR_GOPM_2_20191014T23747_20191014T230824_C001 CS_OFFL_SIR_GOPM_2_20191014T231644_20191014T232225_C001 CS_OFFL_SIR_GOPM_2_20191014T23608_20191014T233006_C001 CS_OFFL_SIR_GOPM_2_20191014T232608_20191014T233006_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPM_2_20191014T000730_C001 CCOG Altimeter Range Quality, OCOG Backscatter Quality CCOG Altimeter Range and Backscatter Quality Flags have been store one or more records. CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been store one or more records. CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been store one or more records. CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been store one or more records. CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been store one or more records. CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been store one or more records. CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been store one or more records. CCOG Altimeter Range Quality, O	
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been s for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been s for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been s for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been s for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been s for one or more records.	set
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20191014T223747_20191014T230824_C001 CS_OFFL_SIR_GOPM_2_20191014T231644_20191014T230824_C001 CS_OFFL_SIR_GOPM_2_20191014T231644_20191014T232225_C001 CS_OFFL_SIR_GOPM_2_20191014T231644_20191014T232225_C001 CS_OFFL_SIR_GOPM_2_20191014T232608_20191014T233006_C001 CS_OFFL_SIR_GOPM_2_20191014T232608_20191014T233006_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPM_2_20191014T000730_C001 COG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set of one or more records. CS_OFFL_SIR_GOPM_2_20191014T000730_C001 CS_OF	
CS_OFFL_SIR_GOPM_2_20191014T223747_20191014T230824_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20191014T231644_20191014T232225_C001 CS_OFFL_SIR_GOPM_2_20191014T232608_20191014T233006_C001 CS_OFFL_SIR_GOPM_2_20191014T232608_20191014T233006_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000830_C001 CS_OFFL_SIR_GOPM_2_20191014T000850_20191014T000830_C001 CS_OFFL_SIR_GOPM_2_20191014T000850_20191014T000830_C001 CS_OFFL_SIR_GOPM_2_20191014T000850_20191014T000850_C001 CS_OFFL_SIR_GOPM_2_20191014T004850_20191014T005026_C001	
Backscatter Quality CS_OFFL_SIR_GOPM_2_20191014T232608_20191014T233006_C001 CS_OFFL_SIR_GOPM_2_20191014T232608_20191014T233006_C001 CS_OFFL_SIR_GOPM_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPN_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPN_2_20191014T0002724_20191014T0002830_C001 CS_OFFL_SIR_GOPN_2_20191014T002724_20191014T002830_C001 CS_OFFL_SIR_GOPN_2_20191014T002830_C001 CS_OFFL_SIR_GOPN_2_20191014T00283	
CS_OFFL_SIR_GOPM_2_20191014T232608_20191014T233006_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20191014T000417_20191014T000730_C001 CS_OFFL_SIR_GOPN_2_20191014T00072724_20191014T002830_C001 CS_OFFL_SIR_GOPN_2_20191014T002724_20191014T002830_C001 CS_OFFL_SIR_GOPN_2_20191014T002724_20191014T002830_C001 CS_OFFL_SIR_GOPN_2_20191014T002830_C001	set
Backscatter Quality for one or more records. CS_OFFL_SIR_GOPN_2_20191014T000417_20191014T002830_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPN_2_20191014T002724_20191014T002830_C001 CS_OFFL_SIR_GOPN_2_20191014T002724_20191014T002830_C001 CS_OFFL_SIR_GOPN_2_20191014T002724_20191014T002830_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been specified by the company of the ocog Altimeter Range and Backscatter Quality Flags have been specified by the company of the ocog Altimeter Range and Backscatter Quality Flags have been specified by the company of the ocog Altimeter Range and Backscatter Quality Flags have been specified by the company of the ocog Altimeter Range and Backscatter Quality Flags have been specified by the company of the ocog Altimeter Range and Backscatter Quality Flags have been specified by the company of the ocog Altimeter Range and Backscatter Quality Flags have been specified by the company of the ocog Altimeter Range and Backscatter Quality Flags have been specified by the company of the ocog Altimeter Range and Backscatter Quality Flags have been specified by the company of the ocog Altimeter Range and Backscatter Quality Flags have been specified by the company of the ocog Altimeter Range Range and Backscatter Quality Flags have been specified by the company of the ocog Altimeter Range	
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CS_OFFL_SIR_GOPN_2_20191014T050600_20191014T050606_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been so for one or more records.	set
CS_OFFL_SIR_GOPN_2_20191014T072800_20191014T073156_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.	
CS_OFFL_SIR_GOPN_2_20191014T074826_20191014T075210_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been sfor one or more records.	set
CS_OFFL_SIR_GOPR_2_20191014T023026_20191014T023209_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.	
CS_OFFL_SIR_GOPR_2_20191014T045748_20191014T045840_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.	
CS_OFFL_SIR_GOPR_2_20191014T075210_20191014T075357_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.	
CS_OFFL_SIR_GOPR_2_20191014T105541_20191014T105620_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.	
CS_OFFL_SIR_GOPR_2_20191014T122642_20191014T123326_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.	
CS_OFFL_SIR_GOPR_2_20191014T155119_20191014T155231_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have be 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:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20191014T000417_20191014T000730_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191014T004613_20191014T004621_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191014T004859_20191014T005026_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_GOPN_2_20191014T010405_20191014T010446_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_20191014T014300_20191014T014619_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_20191014T021445_20191014T021556_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_20191014T022941_20191014T023026_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_20191014T040829_20191014T040954_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_20191014T050733_20191014T050945_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_20191014T055118_20191014T055333_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_20191014T063753_20191014T063939_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_20191014T064623_20191014T065234_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_20191014T072800_20191014T073156_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_20191014T073719_20191014T073752_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_20191014T074826_20191014T075210_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_20191014T081746_20191014T082019_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_20191014T092138_20191014T092149_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_20191014T095627_20191014T095801_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_20191014T100643_20191014T100813_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_20191014T114544_20191014T114658_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_20191014T122329_20191014T122546_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_20191014T123730_20191014T123828_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_20191014T132236_20191014T132541_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_20191014T145631_20191014T145927_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_20191014T150138_20191014T150659_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_20191014T164548_20191014T164725_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_20191014T171431_20191014T171751_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_20191014T173127_20191014T173239_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_20191014T175352_20191014T175918_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_20191014T1811116_20191014T181311_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.

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California Press California	CS_OFFL_SIR_GOPN_2_20191014T191845_20191014T192008_C001		
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OCOG Backscatter Quality PLRM. CB_OFFL_SIR_GOPN_2_201910147214149_20191014723374_C001 OCOG Altimeter Range Quality PLRM. CB_OFFL_SIR_GOPN_2_20191014723302_20191014723394_C001 OCOG Altimeter Range Quality PLRM. CCB_OFFL_SIR_GOPN_2_20191014723302_20191014723394_C001 OCOG Altimeter Range Quality PLRM. CCB_OFFL_SIR_GOPN_2_201910147233919_20191014723394_C001 OCOG Altimeter Range Quality PLRM. CCB_OFFL_SIR_GOPN_2_201910147233919_20191014723392_C001 OCOG Altimeter Range Quality PLRM. CCB_OFFL_SIR_GOPN_2_201910147233919_20191014723452_C001 OCOG Altimeter Range Quality PLRM. CCB_OFFL_SIR_GOPR_2_20191014703408_201910147001928_C001 CB_OFFL_SIR_GOPR_2_201910147001408_201910147001928_C001 CB_OFFL_SIR_GOPR_2_201910147001408_201910147001928_C001 CB_OFFL_SIR_GOPR_2_201910147001408_2019101470101928_C001 CB_OFFL_SIR_GOPR_2_201910147013040_2019101470101928_C001 CB_OFFL_SIR_GOPR_2_201910147013040_201910147014300_C001 CB_OFFL_SIR_GOPR_2_201910147033040_201910147014300_C001 CB_OFFL_SIR_GOPR_2_201910147033040_201910147014300_C001 CB_OFFL_SIR_GOPR_2_201910147033040_201910147014300_C001 CB_OFFL_SIR_GOPR_2_201910147033040_201910147014300_C001 CB_OFFL_SIR_GOPR_2_201910147033040_201910147014300_C001 CCB_OFFL_SIR_GOPR_2_201910147033040_201910147014300_C001 CCB_OFFL_SIR_GOPR_2_201910147033040_201910147014300_C001 CCC_OFFL_SIR_GOPR_2_201910147033040_201910147014300_C001 CCC_OFFL_SIR_GOPR_2_201910	CS_OFFL_SIR_GOPN_2_20191014T210057_20191014T210312_C001		
OCOG Backscatter Quality PLRM. OCOG Stange and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. OCOG Range Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Range Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Range Range SSHA, SWH and Backscatter Quality Flags hav	CS_OFFL_SIR_GOPN_2_20191014T213606_20191014T213733_C001		
CS_OFFL_SIR_GOPN_2_20191014T23332_20191014T23164_CO01 CS_OFFL_SIR_GOPN_2_20191014T232322_20191014T232339_CO01 CS_OFFL_SIR_GOPN_2_20191014T232323_20191014T232339_CO01 CS_OFFL_SIR_GOPN_2_20191014T233919_20191014T232339_CO01 CS_OFFL_SIR_GOPN_2_20191014T233919_20191014T03425_CO01 CS_OFFL_SIR_GOPN_2_20191014T033919_20191014T03452_CO01 CS_OFFL_SIR_GOPN_2_20191014T03404_CO01 CS_OFFL_SIR_GOPN_2_20191014T03404_CO01 CS_OFFL_SIR_GOPN_2_20191014T03404_CO01 CS_OFFL_SIR_GOPN_2_20191014T03404_CO01 CS_OFFL_SIR_GOPN_2_20191014T03404_CO01 CS_OFFL_SIR_GOPN_2_20191014T004408_20191014T00452_CO01 CS_OFFL_SIR_GOPN_2_20191014T004408_C0191014T01334_CO01 CS_OFFL_SIR_GOPN_2_20191014T005427_20191014T005427_CO01 CS_OFFL_SIR_GOPN_2_20191014T005427_20191014T01334_CO01 CS_OFFL_SIR_GOPN_2_20191014T005427_20191014T01334_CO01 CS_OFFL_SIR_GOPN_2_20191014T005427_20191014T01334_CO01 CS_OFFL_SIR_GOPN_2_20191014T03340_C001 CS_OFFL_SIR_GOPN_2_20191014T03340_C001 CS_OFFL_SIR_GOPN_2_20191014T03340_C001 CS_OFFL_SIR_GOPN_2_20191014T03340_C001 CS_OFFL_SIR_GOPN_2_20191014T03340_C001 CS_OFFL_SIR_GOPN_2_20191014T03340_C001 CS_OFFL_SIR_GOPN_2_20191014T03340_C0010410450452 CS_OFFL_SIR_GOPN_2_20191014T03340_C0010410450452 CS_OFFL_SIR_GOPN_2_20191014T03340_C0010410450452 CS_OFFL_SIR_GOPN_2_20191014T03340_C0010410450452 CS_OFFL_SIR_GOPN_2_20191014T03340_C0010410450452 CS_OFFL_SIR_GOPN_2_20191014T03340_C0010410450452 CS_OFFL_SIR_GOPN_2_20191014T03340_C0010410450452 CS_OFFL_SIR_GOPN_2_20191014T03340_C0010410450452 CS_OFFL_SIR_GOPN_2_20191014T03340_C0010410450452 CS_OFFL_SIR_GOPN_2_20191014T03310_C001014T033729_C001 CS_OFFL_SIR_GOPN_2_20191014T03310_C001014T033729_C001 CS_OFFL_SIR_GOPN_2_20191014T03310_C001014T033729_C001 CS_OFFL_SIR_GOPN_2_20191014T03310_C001014T033729_C001 CS_OFFL_SIR_GOPN_2_20191014T03310_C001014T033729_C001 CS_OFFL_SIR_GOPN_2_20191014T03310_C001014T033729_C001 CS_OFFL_SIR_GOPN_2_20191014T03310_C001014T033729_C001 CS_OFFL_SIR_GOPN_2_20191014T03310_C001014T033729_C001 CS_OFFL_SIR_GOPN_2_20191014T03310_C001014	CS_OFFL_SIR_GOPN_2_20191014T214149_20191014T214443_C001		
CS_OFFL_SIR_GOPN_2_20191014T233292_20191014T23239_C001 CS_OFFL_SIR_GOPN_2_20191014T232392_20191014T23239_C001 CS_OFFL_SIR_GOPN_2_20191014T232392_20191014T232339_C001 CS_OFFL_SIR_GOPN_2_20191014T23399_20191014T234282_C001 CS_OFFL_SIR_GOPN_2_20191014T23399_20191014T234282_C001 CS_OFFL_SIR_GOPN_2_20191014T23399_20191014T00016_C001 CS_OFFL_SIR_GOPN_2_20191014T001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T0001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T0001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T0001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T0001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T0001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T0001408_20191014T00016_C001 CS_OFFL_SIR_GOPR_2_20191014T0001001400_C001 CS_OFFL_SIR_GOPR_2_20191014T0001001400_C001 CS_OFFL_SIR_GOPR_2_20191014T0001001400_C001 CS_OFFL_SIR_GOPR_2_20191014T0001001014T000010010010010010010010010010010010010	CS_OFFL_SIR_GOPN_2_20191014T223247_20191014T223747_C001		
OCG Altimeter Range Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Backscatter Quality PLRM, OCG Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Backscatter Quality PLRM, OCG Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG Altimeter Range and Ba	CS_OFFL_SIR_GOPN_2_20191014T231302_20191014T231644_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCG Backscatter Quality CS_OFFL_SIR_GOPR_2_201910147235941_20191014T000416_C001 CS_OFFL_SIR_GOPR_2_201910147001408_20191014T001926_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T001926_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T001926_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T001926_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T004522_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T004522_C001 CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T004522_C001 CS_OFFL_SIR_GOPR_2_20191014T003427_20191014T00314_C001 CS_OFFL_SIR_GOPR_2_20191014T003427_20191014T01314_C001 CS_OFFL_SIR_GOPR_2_20191014T013040_20191014T01314_C001 CS_OFFL_SIR_GOPR_2_20191014T013040_20191014T01300_C001 CS_OFFL_SIR_GOPR_2_20191014T013040_20191014T01300_C001 CS_OFFL_SIR_GOPR_2_20191014T013040_20191014T01300_C001 CS_OFFL_SIR_GOPR_2_20191014T013040_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T013010_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T013010_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T003120_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T003120_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T003120_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T003130_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T003130_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T003130_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T003130_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T003130_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T003130_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T003130_20191014T003729_C001 CS_OFFL_SIR_GOPR_2_20191014T003130_20191014T003150_C001 CS_OFFL_SIR_GOPR_2_20191014T003130_20191014T003150_C001 CS_OFFL_SIR_GOPR_2_20191014T003130_20191014T003150_C001 CS_OFFL_SIR_GOPR_2_20191014T003130_20191014T003150_C001 CS_OFFL_SIR_GOPR_2_20191014T003150_C001 CS_OFFL_SIR_GOPR_2_20191014T003150_C001 CS_OFFL_SIR_GOPR_2_20191014T003150_C001 CS_OFFL_SIR_GOPR_2_20191	CS_OFFL_SIR_GOPN_2_20191014T232225_20191014T232339_C001		, ,
CS_OFFL_SIR_GOPR_2_20191013T235941_20191014T000416_C001 and Backscatter Quality PLRM, OCOG Allimeter Range and Backscatter Quality Plags and the OCOG Allimeter Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T033729_C001 Allimeter Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T033729_C001 Allimeter Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T0421	CS_OFFL_SIR_GOPN_2_20191014T233919_20191014T234252_C001		
CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T001926_C001 CS_OFFL_SIR_GOPR_2_20191014T004140_20191014T004522_C001 CS_OFFL_SIR_GOPR_2_20191014T004140_20191014T010314_C001 CS_OFFL_SIR_GOPR_2_20191014T005427_20191014T010314_C001 CS_OFFL_SIR_GOPR_2_20191014T013940_20191014T01400_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T01400_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T033729_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T04218_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T033759_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T033759_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T033759_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T033759_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T04218_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T04218_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T04218_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T04218_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T04218_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T04218_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T04218_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T04418_C001 CS_OFFL_SIR_GOPR_2_20191014T044018_20191014T04418_C001 CS_OFFL_SIR_GOPR_2_20191014T044018_20191014T04418_C001 CS_OFFL_SIR_GOPR_2_20191014T044018_20191014T04418_C001 CS_OFFL_SIR_GOPR_2_20191014T044018_20191014T04418_C001 CS_OFFL_SIR_GOPR_2_20191014T044018_20191014T04418_C001 CS_OFFL_SI	CS_OFFL_SIR_GOPR_2_20191013T235941_20191014T000416_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20191014T005427_20191014T010314_C001 CS_OFFL_SIR_GOPR_2_20191014T005427_20191014T010314_C001 CS_OFFL_SIR_GOPR_2_20191014T005427_20191014T013014_C001 CS_OFFL_SIR_GOPR_2_20191014T013940_20191014T01400_C001 CS_OFFL_SIR_GOPR_2_20191014T013940_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T033729_C001 CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T042128_C001 CS_OFFL_SIR_GOPR_2_20191014T005046_20191014T042128_C001 CS_OFFL_SIR_GOPR_2_20191014T050946_20191014T051505_C001 CS_OFFL_SIR_GOPR_2_20191014T050946_20191014T051505_C	CS_OFFL_SIR_GOPR_2_20191014T001408_20191014T001926_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20191014T010342_C001 CS_OFFL_SIR_GOPR_2_20191014T013940_20191014T014300_C001 CS_OFFL_SIR_GOPR_2_20191014T013940_20191014T014300_C001 CS_OFFL_SIR_GOPR_2_20191014T013940_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T033729_C001 CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T033729_C001 CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T042128_C001 CS_OFFL_SIR_GOPR_2_20191014T050946_20191014T042128_C001 CS_OFFL_SIR_GOPR_2_20191014T050946_20191014T0555_C001 CS_OFFL_SIR_GOPR_2_20191014T050946_20191014T05555_C001	CS_OFFL_SIR_GOPR_2_20191014T004140_20191014T004522_C001		
CS_OFFL_SIR_GOPR_2_20191014T013940_20191014T014300_C001 CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T015712_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001 CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T033729_C001 CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T033729_C001 CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T033729_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T042128_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T042128_C001 CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T042128_C001 CS_OFFL_SIR_GOPR_2_20191014T050946_20191014T051505_C001 CS_OFFL_SIR_GOPR_2_20191014T050946_20191014T051505_	CS_OFFL_SIR_GOPR_2_20191014T005427_20191014T010314_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM ocog Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM ocog Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, Altimeter Range, Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter	CS_OFFL_SIR_GOPR_2_20191014T013940_20191014T014300_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T042128_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter 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 Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20191014T015310_20191014T015712_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T042128_C001 CS_OFFL_SIR_GOPR_2_20191014T05105_C001 CS_OFFL_SIR_GOPR_2_20191014T050946_20191014T051505_C001 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 OCOG 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 and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20191014T023521_20191014T024310_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality OCOG Backscatter Quality OCOG Backscatter Quality More records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20191014T033130_20191014T033729_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20191014T042018_20191014T042128_C001		
	CS_OFFL_SIR_GOPR_2_20191014T050946_20191014T051505_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPR_2_20191014T052910_20191014T053123_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_20191014T055333_20191014T060018_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_20191014T063612_20191014T063752_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_20191014T073157_20191014T073719_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_20191014T073752_20191014T073855_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_20191014T081443_20191014T081746_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_20191014T082925_20191014T083114_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_20191014T091017_20191014T092026_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_20191014T112442_20191014T112950_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_20191014T113328_20191014T113641_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_20191014T114658_20191014T115123_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_20191014T122642_20191014T123326_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_20191014T123326_20191014T123539_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_20191014T123828_20191014T124219_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_20191014T131155_20191014T131600_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_20191014T132541_20191014T132934_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_20191014T140508_20191014T141225_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_20191014T141225_20191014T141443_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_20191014T145011_20191014T145630_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_20191014T154516_20191014T154602_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_20191014T154658_20191014T155119_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_20191014T155119_20191014T155231_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_20191014T161605_20191014T161651_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_20191014T163013_20191014T163613_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_20191014T172457_20191014T172944_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_20191014T172944_20191014T173126_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_20191014T182635_20191014T182803_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_20191014T184211_20191014T185026_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_20191014T190436_20191014T191048_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_20191014T195141_20191014T195331_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_20191014T204140_20191014T204426_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_20191014T204613_20191014T205034_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_20191014T213042_20191014T213308_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_20191014T222030_20191014T222145_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_20191014T222420_20191014T223246_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_20191014T230825_20191014T231302_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_20191014T235716_20191015T000030_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

> 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: 17

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

Number of products with errors: 5

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: 13

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.

0

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

30

Number of products with errors:

Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2__20191013T231826_20191014T000806_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20191014T000806 20191014T005740 C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS OFFL SIR GOP 2 20191014T005740 20191014T014719 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 Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Γοροgraphy height (solution 1), the Total Geocentric Ocean Tide height CS_OFFL_SIR_GOP_2__20191014T014719_20191014T023653_C001 (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height Tide (FES), Non-Equilibrium Long Period for one or more records Ocean Tide Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2__20191014T023653_20191014T032633_C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2__20191014T032633_20191014T041607_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2__20191014T041607_20191014T050546_C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOP_2__20191014T050546_20191014T055521_C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20191014T055521 20191014T064500 C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS OFFL SIR GOP 2 20191014T064500 20191014T073434 C001 Topography (1) Γopography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2_20191014T073434_20191014T082413_C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOP_2_20191014T082413_20191014T091348_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOP_2__20191014T091348_20191014T100327_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2_20191014T100327_20191014T105301_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2_20191014T105301_20191014T114241_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20191014T114241 20191014T123215 C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20191014T123215 20191014T132154 C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Topography height (solution 1), the Total Geocentric Ocean Tide height CS OFFL SIR GOP 2 20191014T132154 20191014T141128 C001 (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height Tide (FES), Non-Equilibrium Long Period 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_GOP_2_20191014T141128_20191014T150108_C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOP_2_20191014T150108_20191014T155042_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 Topography (1), Total Geocentric Ocea Topography height (solution 1), the Total Geocentric Ocean Tide height CS OFFL SIR GOP 2 20191014T155042 20191014T164021 C001 Tide (GOT), Total Geocentric Ocean (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height Tide (FES), Non-Equilibrium Long Period for one or more records Ocean Tide Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2__20191014T164021_20191014T172956_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOP_2__20191014T172956_20191014T181935_C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20191014T181935 20191014T190909 C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR GOP 2 20191014T190909 20191014T195848 C001 Topography (1), Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Tide height Tide (GOT) (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS OFFL SIR GOP 2 20191014T195848 20191014T204823 C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOP_2_20191014T204823_20191014T213802_C001 Topography (1) Topography height (solution 1) for one or more records

CS_OFFL_SIR_GOP_2__20191014T213802_20191014T222736_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__20191014T222736_20191014T231716_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

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors:

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors:

30

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

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

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

Number of products with errors:

i producto with circle.

P2P Retracking Flags PLRM

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

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

Number of products with errors:

30