

<u>17/10/2019</u>





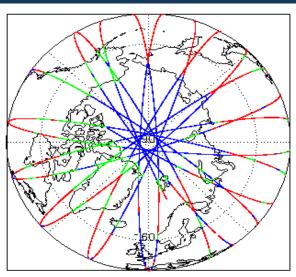
1. Overview

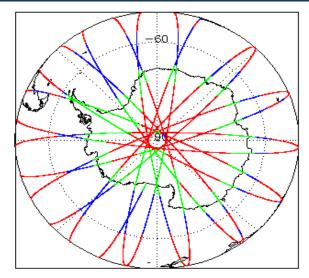
Report Production:	15-Nov-2019	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

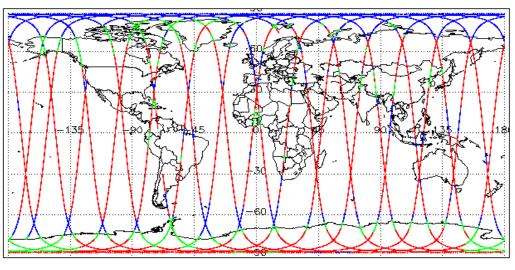
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

Mission / Instrument News		
16-Oct-2019	None	
17-Oct-2019	None	
18-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:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

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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:

2

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20191017T012919_20191017T013037_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20191017T073818_20191017T081138_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

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Test Failed	Description
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
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Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
	Loss of Echo

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

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:

50

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20191017T005003_20191017T005321_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_20191017T005833_20191017T005959_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_20191017T014050_20191017T014153_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_20191017T023739_20191017T023846_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_20191017T031958_20191017T032111_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_20191017T045528_20191017T050026_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_20191017T055310_20191017T055922_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_20191017T063458_20191017T063910_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_20191017T072349_20191017T072612_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_20191017T073240_20191017T073553_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_20191017T081343_20191017T081732_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_20191017T091331_20191017T091447_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_20191017T094830_20191017T095424_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Pariod Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20191017T105237_20191017T105353_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_20191017T115221_20191017T115427_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_20191017T122240_20191017T122405_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_20191017T122927_20191017T123235_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_20191017T140222_20191017T140431_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_20191017T140826_20191017T141156_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_20191017T154304_20191017T154538_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_20191017T163809_20191017T163930_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_20191017T171831_20191017T172425_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_20191017T181232_20191017T181335_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_20191017T181736_20191017T181948_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_20191017T190029_20191017T190212_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_20191017T191049_20191017T191249_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_20191017T195649_20191017T200138_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_20191017T222102_20191017T222330_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000925_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_20191017T013205_20191017T013334_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014949_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_20191017T032112_20191017T032830_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_20191017T050026_20191017T050742_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_20191017T063910_20191017T064605_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_20191017T081732_20191017T082605_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_20191017T095424_20191017T100206_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_20191017T113358_20191017T114017_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_20191017T114017_20191017T114212_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_20191017T131200_20191017T131916_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_20191017T131916_20191017T132052_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_20191017T145147_20191017T145813_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_20191017T145813_20191017T145939_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_20191017T163110_20191017T163656_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_20191017T163656_20191017T163809_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_20191017T181335_20191017T181431_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_20191017T181431_20191017T181736_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_20191017T195003_20191017T195648_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_20191017T213152_20191017T213714_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_20191017T230000_20191017T230158_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_20191017T231059_20191017T231854_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20191017T012919_20191017T013037_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20191017T073818_20191017T081138_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20191016T235852_20191017T000050_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_20191017T001333_20191017T004612_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_20191017T005321_20191017T005833_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_20191017T010403_20191017T012015_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_20191017T013809_20191017T013927_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_20191017T014949_20191017T022511_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_20191017T023059_20191017T023320_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_20191017T023327_20191017T023738_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_20191017T024257_20191017T030807_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_20191017T030832_20191017T031604_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_20191017T032831_20191017T032951_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_20191017T032954_20191017T034256_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_20191017T034737_20191017T035944_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_20191017T040126_20191017T040426_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_20191017T040700_20191017T041219_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_20191017T041238_20191017T041443_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_20191017T042329_20191017T043553_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_20191017T043801_20191017T045528_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_20191017T051727_20191017T052658_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_20191017T052900_20191017T054314_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_20191017T054625_20191017T055130_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_20191017T055137_20191017T055148_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_20191017T055947_20191017T060129_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_20191017T060429_20191017T060808_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_20191017T062306_20191017T062532_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_20191017T063140_20191017T063359_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_20191017T070652_20191017T072205_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_20191017T072612_20191017T073046_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_20191017T073818_20191017T081138_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_20191017T083650_20191017T090107_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_20191017T090442_20191017T090947_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_20191017T091006_20191017T091331_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_20191017T091714_20191017T094402_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_20191017T094528_20191017T094830_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_20191017T101436_20191017T104030_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_20191017T104424_20191017T104901_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_20191017T105803_20191017T113016_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_20191017T114213_20191017T114527_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_20191017T121421_20191017T121713_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_20191017T122406_20191017T122927_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_20191017T123647_20191017T125733_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_20191017T130019_20191017T131200_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_20191017T132125_20191017T132544_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_20191017T134141_20191017T134628_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_20191017T134816_20191017T135755_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_20191017T140432_20191017T140826_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_20191017T141534_20191017T142030_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_20191017T142040_20191017T142612_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_20191017T142837_20191017T144940_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_20191017T144944_20191017T145147_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_20191017T150530_20191017T151136_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_20191017T151235_20191017T153604_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_20191017T155033_20191017T155201_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_20191017T155504_20191017T160056_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_20191017T160119_20191017T161033_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_20191017T161632_20191017T162334_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_20191017T163930_20191017T164310_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_20191017T164500_20191017T165052_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_20191017T165219_20191017T170035_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_20191017T170655_20191017T171801_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_20191017T172425_20191017T172645_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_20191017T172719_20191017T173140_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_20191017T173428_20191017T174026_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_20191017T174139_20191017T174820_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_20191017T175130_20191017T180520_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_20191017T182336_20191017T182530_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_20191017T183525_20191017T184001_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_20191017T184324_20191017T185805_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_20191017T190212_20191017T191049_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_20191017T191419_20191017T193547_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_20191017T200403_20191017T203740_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_20191017T204413_20191017T204848_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_20191017T205348_20191017T205620_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_20191017T205713_20191017T212121_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_20191017T212841_20191017T212856_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_20191017T215035_20191017T221528_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_20191017T222330_20191017T222923_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_20191017T223251_20191017T225323_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_20191017T225329_20191017T225831_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_20191017T230817_20191017T231007_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_20191017T232155_20191017T235453_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191017T012015_20191017T012327_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191017T031635_20191017T031808_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191017T115123_20191017T115148_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191017T120809_20191017T120915_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_GOPN_2_20191017T195649_20191017T200138_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191017T013927_20191017T014049_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191017T114528_20191017T114550_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191017T115427_20191017T115505_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191017T145956_20191017T150248_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20191017T001136_20191017T001331_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_20191017T005833_20191017T005959_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_20191017T012015_20191017T012327_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_20191017T022717_20191017T023059_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_20191017T040523_20191017T040700_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_20191017T045528_20191017T050026_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_20191017T051331_20191017T051726_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_20191017T055310_20191017T055922_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_20191017T063458_20191017T063910_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_20191017T065623_20191017T065855_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_20191017T081138_20191017T081300_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_20191017T081343_20191017T081732_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_20191017T082754_20191017T082859_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_20191017T091331_20191017T091447_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_20191017T094830_20191017T095424_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_20191017T100206_20191017T100216_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_20191017T115123_20191017T115148_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_20191017T133814_20191017T134140_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_20191017T140222_20191017T140431_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_20191017T140826_20191017T141156_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.

0.0001 1.5 0.000 2.000 1.5 0.000			
D_COT_SR_CON299-011719200_01171920	CS_OFFL_SIR_GOPN_2_20191017T142031_20191017T142040_C001		
EQ.OFFL.SR.COMPL_2019017T19256_201917T19250_C031 CQ.OFFL.SR.COMPL_2019017T19256_201917T19250_C031 CQ.OFFL.SR.COMPL_2019017T19256_201917T19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201917T19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201917T19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201917T19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201917T19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201919TT19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201919TT19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201919TT19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201919TT19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201919TT19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201919TT19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201919TT19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201919TT19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201919TT19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201919TT19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201919TT19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_201919TT19250_C031 CQ.OFFL.SR.COMPL_2019017T19250_C031 CQ.OFFL.SR.	CS_OFFL_SIR_GOPN_2_20191017T154304_20191017T154538_C001		
Company	CS_OFFL_SIR_GOPN_2_20191017T155202_20191017T155357_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Col. OFFL. SIR, GOPN. 2. 2019101/1100309_2019101/110000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/1100409_2019101/110000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/1100409_2019101/110000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/1100409_2019101/110000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/1100409_2019101/110000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/1100409_2019101/110000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/1100210_COVID-101101000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/1100210_COVID-101101000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/1100210_COVID-101101000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/1100210_COVID-101101000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/1100200_COVID-101100000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/1100200_COVID-1011000000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/1100200_COVID-10110000000_COVID_DOCK Allerance Resign (College PLENA). Col. OFFL. SIR, GOPN. 2. 2019101/11200304_COVID-1011000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20191017T162334_20191017T162457_C001		
CS_OFF_SR_GOPN_2_3019101/T19691_2019101/T19692_2019101/T19693_2019	CS_OFFL_SIR_GOPN_2_20191017T163809_20191017T163930_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_COPN_2_201910177129109_20191017712038_0001 CS_OFFL_SIR_COPN_2_201910177129109_20191017712038_0001 CS_OFFL_SIR_COPN_2_201910177129109_20191017712038_0001 CS_OFFL_SIR_COPN_2_201910177129109_20191017712038_0001 CS_OFFL_SIR_COPN_2_201910177129109_20191017712038_0001 CS_OFFL_SIR_COPN_2_201910177139709_20191017712038_0001 CS_OFFL_SIR_COPN_2_201910177139709_20191017712038_0001 CS_OFFL_SIR_COPN_2_201910177139709_20191017712038_0001 CS_OFFL_SIR_COPN_2_201910177120394_2019101772038_0001 CS_OFFL_SIR_COPN_2_20191017720394_20191017720390_0001 CS_OFFL_SIR_COPN_2_20191017720394_20191017720390_0001 CS_OFFL_SIR_COPN_2_201910177221039_20191017722039_0001 CS_OFFL_SIR_COPN_2_201910177221039_20191017722039_0001 CS_OFFL_SIR_COPN_2_201910177221039_20191017722039_0001 CS_OFFL_SIR_COPN_2_201910177221039_20191017722039_0001 CS_OFFL_SIR_COPN_2_201910177221039_20191017722039_0001 CS_OFFL_SIR_COPN_2_201910177221039_0001017720399_0001 CS_OFFL_SIR_COPN_2_201910177221039_0001017720399_0001 CS_OFFL_SIR_COPN_2_201910177221039_0001017720399_0001 CS_OFFL_SIR_COPN_2_201910177221039_0001017720399_0001 CS_OFFL_SIR_COPN_2_201910177221039_0001017720399_0001 CS_OFFL_SIR_COPN_2_201910177221039_0001017720399_0001 CS_OFFL_SIR_COPN_2_201910177221039_0001017720399_0001 CS_OFFL_SIR_COPN_2_201910177221039_0001017720399_0001 CS_OFFL_SIR_COPN_2_201910177221039_00010170001000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20191017T164310_20191017T164500_C001		
CB_OFFL_SR_GOPN_2_2019017T120184O019017T120185_CO01 CB_OFFL_SR_GOPN_2_2019017T120184O019017T120185_CO01 CB_OFFL_SR_GOPN_2_2019017T120184O019017T120185_CO01 CB_OFFL_SR_GOPN_2_2019017T120184O019017T120185_CO01 CB_OFFL_SR_GOPN_2_2019017T120184O019017T120185_CO01 CB_OFFL_SR_GOPN_2_2019017T120184O019017T20185_CO01 CB_OFFL_SR_GOPN_2_2019017T120184O019017T20185_CO01 CB_OFFL_SR_GOPN_2_2019017T120184O019017T20185_CO01 CB_OFFL_SR_GOPN_2_2019017T20184O019017T20185_CO01 CB_OFFL_SR_GOPN_2_2019017T20184O019017T20185_CO01 CB_OFFL_SR_GOPN_2_2019017T20184O019017T20225_CO01 CB_OFFL_SR_GOPN_2_2019017T20184O019017T20225_CO01 CB_OFFL_SR_GOPN_2_2019017T20185_O019017T20225_CO01 CB_OFFL_SR_GOPN_2_2019017T20185_O019017T20225_CO01 CB_OFFL_SR_GOPN_2_2019017T20185_O019017T20225_CO01 CB_OFFL_SR_GOPN_2_2019017T20185_O019017T20225_CO01 CB_OFFL_SR_GOPN_2_2019017T20185_O019017T20225_CO01 CB_OFFL_SR_GOPN_2_2019017T20185_O019017T20225_CO01 CB_OFFL_SR_GOPN_2_2019017T20185_O019017T20225_CO01 CB_OFFL_SR_GOPN_2_2019017T20185_O019017T20225_CO01 CB_OFFL_SR_GOPN_2_2019017T20185_O019017T20225_CO01 CB_OFFL_SR_GOPN_2_2019017T20225_CO01 CB_OFFL_SR_GOPN_2_2019017T2025_CO01 CB_OFFL_SR_GOPN_2_	CS_OFFL_SIR_GOPN_2_20191017T170549_20191017T170655_C001		
SS_OFFL_SIR_GOPN_2_201919171194392_201910171194396_C001 CS_OFFL_SIR_GOPN_2_201919171194392_201910171194395_C0101 CS_OFFL_SIR_GOPN_2_201919171194392_201910171194395_C0101 CS_OFFL_SIR_GOPN_2_201919171194392_201910171290195_C0101 CS_OFFL_SIR_GOPN_2_201919171200342_201910171290195_C0101 CS_OFFL_SIR_GOPN_2_201919171200342_201910171290195_C0101 CS_OFFL_SIR_GOPN_2_201919171200342_201910171290195_C0101 CS_OFFL_SIR_GOPN_2_201919171200342_20191017129019_C0101 CS_OFFL_SIR_GOPN_2_201919171200342_20191017129019_C0101 CS_OFFL_SIR_GOPN_2_201919171200342_20191017129019_C0101 CS_OFFL_SIR_GOPN_2_201919171200342_20191017129019_C0101 CS_OFFL_SIR_GOPN_2_20191917121193_20191017129019_C0101 CS_OFFL_SIR_GOPN_2_20191917121193_20191017129019_C0101 CS_OFFL_SIR_GOPN_2_20191917121193_C01910171212901_C0101 CS_OFFL_SIR_GOPN_2_20191917121193_C01910171212901_C0101 CS_OFFL_SIR_GOPN_2_20191917121193_C01910171212901_C0101 CS_OFFL_SIR_GOPN_2_20191917121193_C01910171212901_C0101 CS_OFFL_SIR_GOPN_2_20191917121193_C01910171212901_C0101 CS_OFFL_SIR_GOPN_2_20191917121193_C01910171212901_C0101 CS_OFFL_SIR_GOPN_2_20191917121193_C01910171212901_C0101 CS_OFFL_SIR_GOPN_2_20191917122193_C01910171222010_C0101 CS_OFFL_SIR_GOPN_2_20191917122193_C01910171222010_C0101 CS_OFFL_SIR_GOPN_2_20191917122193_C01910171222010_C0101 CS_OFFL_SIR_GOPN_2_20191917122193_C01910171222000_C0101 CS_OFFL_SIR_GOPN_2_20191917122193_C0191017122193_C010101 CS_OFFL_SIR_GOPN_2_20191917123193_C0191017122193_C010101 CS_OFFL_SIR_GOPN_2_20191917123193_C0	CS_OFFL_SIR_GOPN_2_20191017T171831_20191017T172425_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOS Bardoscater Quality Finance Proceeds. CS_OFFL_SIR_GOPN 2_20191017T19245S_20191017T19245S_C001 OCOS Bardoscater Quality P.R.M. OCOS Bardoscater Quality P	CS_OFFL_SIR_GOPN_2_20191017T182109_20191017T182336_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOS Backscatter Cuality FIRM. CS_OFFL_SIR_GOPN_2_20191017T200342_0191017T200342_0019 CS_OFFL_SIR_GOPN_2_20191017T200342_0191017T200342_0019 CS_OFFL_SIR_GOPN_2_20191017T200342_0191017T200302_001 CS_OFFL_SIR_GOPN_2_20191017T20332_0191017T200302_001 CS_OFFL_SIR_GOPN_2_20191017T20332_0191017T200302_001 CS_OFFL_SIR_GOPN_2_20191017T20332_0191017T200302_001 CS_OFFL_SIR_GOPN_2_20191017T20332_0191017T200302_001 CS_OFFL_SIR_GOPN_2_20191017T20332_0191017T200302_001 CS_OFFL_SIR_GOPN_2_20191017T20333_0191017T203000_001 CS_OFFL_SIR_GOPN_2_20191017T20333_0191017T203000_001 CS_OFFL_SIR_GOPN_2_20191017T20333_0191017T203000_001 CS_OFFL_SIR_GOPN_2_20191017T203032_0010 CS_OFFL_SIR_GOPN_2_20191017T203032_0010107T203032_0010 CS_OFFL_SIR_GOPN_2_20191017T203032_0010107T203032_0010 CS_OFFL_SIR_GOPN_2_20191017T000332_0010107T203032_0010 CS_OFFL_SIR_GOPN_2_20191017T000332_0010107T203032_0010 CS_OFFL_SIR_GOPN_2_20191017T000332_0010107T203032_0010 CS_OFFL_SIR_GOPN_2_20191017T000332_0010107T000035_0010 CS_OFFL_SIR_GOPN_2_20191017T000332_0010107T000035_0010107T000035_0010107T000035_0010107T000035_0010107T000035_0010107T000035_0010107T000035_0010107T000035_0010107T000035_0010107	CS_OFFL_SIR_GOPN_2_20191017T193728_20191017T194046_C001		
and flookooster Quality PLEMS. COOR Altimeter Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20191017T20044_20191017T20043_0001 CS_OFFL_SIR_GOPN_2_20191017T20044_20191017T20043_0001 CS_OFFL_SIR_GOPN_2_20191017T20195_20191017T20005_0001 CS_OFFL_SIR_GOPN_2_20191017T21212_00191017T212227_C001 CS_OFFL_SIR_GOPN_2_20191017T212123_00191017T212227_C001 CS_OFFL_SIR_GOPN_2_20191017T212123_00191017T212233_0001 CS_OFFL_SIR_GOPN_2_20191017T22103_00191017T22233_0001 CS_OFFL_SIR_GOPN_2_20191017T22103_00191017T22203_0001 CS_OFFL_SIR_GOPN_2_20191017T22103_00191017T22203_0001 CS_OFFL_SIR_GOPN_2_20191017T22103_00191017T22203_0001 CS_OFFL_SIR_GOPN_2_20191017T22103_00191017T22003_0001 CS_OFFL_SIR_GOPN_2_20191017T22103_00191017T22003_0001 CS_OFFL_SIR_GOPN_2_20191017T22103_00191017T22003_0001 CS_OFFL_SIR_GOPN_2_20191017T22103_00191017T22003_0001 CS_OFFL_SIR_GOPN_2_20191017T22003_0001 CS_OFFL_SIR_GOPN_2_20191017T2303_00191017T23003_0001 CS_OFFL_SIR_GOPN_2_20191017T230303_00191017T23003_0001 CS_OFFL_SIR_GOPN_2_20191017T230303_00191017T23003_0001 CS_OFFL_SIR_GOPN_2_20191017T230303_00191017T23003_0001 CS_OFFL_SIR_GOPN_2_20191017T230303_00191017T23003_0001 CS_OFFL_SIR_GOPN_2_20191017T230303_00191017T23003_0001 CS_OFFL_SIR_GOPN_2_20191017T230303_00191017T23003_0001 CS_OFFL_SIR_GOPN_2_20191017T230303_00191017T23003_0001 CS_OFFL_SIR_GOPN_2_20191017T230303_00191017T23003_0001 CS_OFFL_SIR_G	CS_OFFL_SIR_GOPN_2_20191017T194135_20191017T194255_C001		
CS_OFFL_SIR_GOPN_2_201910177204848_201910177205107_C001 CS_OFFL_SIR_GOPN_2_201910177212121_20191017721227_C001 CS_OFFL_SIR_GOPN_2_201910177212121_20191017721227_C001 CS_OFFL_SIR_GOPN_2_201910177212122_20191017722205_C001 CS_OFFL_SIR_GOPN_2_20191017722135_20191017722205_C001 CS_OFFL_SIR_GOPN_2_20191017722135_20191017722205_C001 CS_OFFL_SIR_GOPN_2_201910177221303_20191017722205_C001 CS_OFFL_SIR_GOPN_2_201910177221303_20191017722205_C001 CS_OFFL_SIR_GOPN_2_20191017722105_C001 CS_OFFL_SIR_GOPN_2_20191017722203_20191017722205_C001 CS_OFFL_SIR_GOPN_2_20191017722303_20191017722305_C001 CS_OFFL_SIR_GOPN_2_20191017722303_20191017722305_C001 CS_OFFL_SIR_GOPN_2_20191017722303_20191017722305_C001 CS_OFFL_SIR_GOPN_2_20191017722303_20191017722305_C001 CS_OFFL_SIR_GOPN_2_20191017723033_2019101772305_C001 CS_OFFL_SIR_GOPN_2_20191017723033_2019101772305_C001 CS_OFFL_SIR_GOPN_2_20191017723033_2019101772305_C001 CS_OFFL_SIR_GOPN_2_20191017723033_2019101772305_C001 CS_OFFL_SIR_GOPN_2_20191017723033_2019101772305_C001 CS_OFFL_SIR_GOPN_2_20191017723033_2019101772305_C001 CS_OFFL_SIR_GOPN_2_20191017723033_2019101772305_C001 CS_OFFL_SIR_GOPN_2_20191017723033_2019101772305_C001 CS_OFFL_SIR_GOPN_2_20191017723033_2019101772305_C001 CS_OFFL_SIR_GOPN_2_201910177000137_201910177000025_C001 CS_OFFL_SIR_GOPN_2_201910177000137_201910177000025_C001 CS_OFFL_SIR_GOPN_2_201910177000137_201910177000035_C001	CS_OFFL_SIR_GOPN_2_20191017T195649_20191017T200138_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20191017T21925507_C001 CS_OFFL_SIR_GOPN_2_20191017T212121_20191017T212225_C001 CS_OFFL_SIR_GOPN_2_20191017T221355_20191017T222355_C001 CS_OFFL_SIR_GOPN_2_20191017T221355_20191017T222350_C001 CS_OFFL_SIR_GOPN_2_20191017T221303_20191017T223350_C001 CS_OFFL_SIR_GOPN_2_20191017T223355_20191017T223350_C001 CS_OFFL_SIR_GOPN_2_20191017T233033_20191017T233050_C001 CS_OFFL_SIR_GOPN_2_20191017T233033_20191017T23050_C001 CS_OFFL_SIR_GOPN_2_20191017T233033_20191017T23050_C001 CS_OFFL_SIR_GOPN_2_20191017T233033_20191017T23050_C001 CS_OFFL_SIR_GOPN_2_20191017T233033_20191017T23050_C001 CS_OFFL_SIR_GOPN_2_20191017T233033_20191017T23050_C001 CS_OFFL_SIR_GOPN_2_20191017T233033_20191017T23050_C001 CS_OFFL_SIR_GOPN_2_20191017T23033_20191017T23050_C001 CS_OFFL_SIR_GOPN_2_20191017T23033_20191017T23050_C001 CS_OFFL_SIR_GOPN_2_20191017T23033_20191017T23050_C001 CS_OFFL_SIR_GOPN_2_20191017T23033_20191017T23050_C001 CS_OFFL_SIR_GOPN_2_20191017T23033_20191017T23050_C001 CS_OFFL_SIR_GOPN_2_20191017T030555_20191017T000555_C001 CS_OFFL_SIR_GOPN_2_20191017T000555_20191017T000555_C001 CS_OFFL_SIR_GOPN_2_20191017T000555_20191017T000555_C001 CS_OFFL_SIR_GOPN_2_20191017T000555_20191017T000555_C001 CS_OFFL_SIR_GOPN_2_20191017T000555_20191017T000555_C001 CS_OFFL_SIR_GOPN_2_20191017T000555_20191017T000555_C001 CS_OFFL_SIR_GOPN_2_20191017T000555_20191017T000555_C001 CS_OFFL_SIR_GOPN_2_20191017T000555_20191017T005555_C001 CS_OFFL_SIR_GOPN_2_20191017T000555_20191017T005555_C001 CS_OFFL_SIR_GOPN_2_20191017T000555_20191017T005555_C001 CS_OFFL_SIR_GOPN_2_20191017T000555_20191017T005555_C001 CS_OFFL_SIR_GOPN_2_20191017T005555_20191017T005555_C001 CS_OFFL_SIR_GOPN_2_20191017T005555_20191017T005555_C001 CS_OFFL_SIR_GOPN_2_20191017T005555_20191017T005555_C001 CS_OFFL_SIR_GOPN_2_20191017T005555_20191017T005555_C001 CS_OFFL_SIR_GOPN_2_20191017T005555_20191017T005555_C001 CS_OFFL_SIR_GOPN_2_20191017T005555_20191017T005555_C001 CS_OFFL_SIR_GOPN_2_20191017T005555_20191017T005555_C001 CS_OFFL_SIR_GOPN_2_20191	CS_OFFL_SIR_GOPN_2_20191017T200344_20191017T200403_C001		
OCGS alkimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20191017T221935_20191017T222330_C001 CS_OFFL_SIR_GOPN_2_20191017T222102_20191017T222330_C001 CS_OFFL_SIR_GOPN_2_20191017T222302_C0191017T222330_C001 CS_OFFL_SIR_GOPN_2_20191017T222302_C0191017T2223050_C001 CS_OFFL_SIR_GOPN_2_20191017T22303_20191017T223050_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T231059_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T231059_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T232030_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T232030_C001 CS_OFFL_SIR_GOPN_2_20191017T231059_C001 CS_OFFL_SIR_GOPN_2_20191017T231059_C001 CS_OFFL_SIR_GOPN_2_20191017T231059_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232030_C001 CS_OFFL_SIR_GOPN_2_20191017T231059_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232030_C001 CS_OFFL_SIR_GOPN_2_20191017T23033_20191017T232030_C001 CS_OFFL_SIR_GOPN_2_20191017T03033_20191017T232003_C001 CS_OFFL_SIR_GOPN_2_20191017T03033_20191017T232003_C001 CS_OFFL_SIR_GOPN_2_20191017T03033_20191017T232030_C001 CS_OFFL_SIR_GOPN_2_20191017T03033_20191017T03032_C001 CS_OFFL_SIR_GOPN_2_20191017T03033_20191017T03032_C001 CS_OFFL_SIR_GOPN_2_20191017T03033_20191017T03032_C001 CS_OFFL_SIR_GOPN_2_20191017T03033_20191017T03032_C001 CS_OFFL_SIR_GOPN_2_20191017T03032_C001 CS_OFFL_SIR_GOPN_2_20191017T03032_C001 CS_OFFL_SIR_GOPN_2_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03033_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03033_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03033_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03033_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03033_20191017T030332_C001 CS_OFFL_SIR_GOPR_2_20191017T03033	CS_OFFL_SIR_GOPN_2_20191017T204848_20191017T205107_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20191017T221935_20191017T222330_C001 CS_OFFL_SIR_GOPN_2_20191017T222102_20191017T22330_C001 CS_OFFL_SIR_GOPN_2_20191017T222330_C001 CS_OFFL_SIR_GOPN_2_20191017T223050_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T23050_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T231059_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T231059_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T232033_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T232033_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T232033_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T232033_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T232033_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232033_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T032033_C001 CS_OFFL_SIR_GOPN_2_20191017T03032_C001 CS_OFFL_SIR_GOPR_2_20191017T03032_C001 CS	CS_OFFL_SIR_GOPN_2_20191017T212121_20191017T212227_C001		, v
OCOG Backscatter Quality CS_OFFL_SIR_GOPN_2_20191017T222923_20191017T223050_C001 CS_OFFL_SIR_GOPN_2_20191017T223033_20191017T231059_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T231059_C001 CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T232003_C001 CS_OFFL_SIR_GOPN_2_20191017T231855_20191017T232003_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232033_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232033_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232155_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232155_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T032035_C001 CS_OFFL_SIR_GOPN_2_20191017T03033_20191017T03035_C001 CS_OFFL_SIR_GOPN_2_20191017T000137_20191017T000925_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000925_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000035_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000035_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000035_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000035_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000035_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000035_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000035_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000035_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000035_C001 CS_OFFL_SIR_GOPR_2_20191017T0004613_20191017T000035_C001 CS_OFFL_SIR_GOPR_2_20191017T0004613_20191017T000035_C001 CS_OFFL_SIR_GOPR_2_20191017T0004613_20191017T0100035_C001 CS_OFFL_SIR_GOPR_2_20191017T0004613_20191017T0100035_C001 CS_OFFL_SIR_GOPR_2_20191017T0004613_20191017T0100035_C001 CS_OFFL_SIR_GOPR_2_20191017T0104613_20191017T0100035_C001 CS_OFFL_SIR_GOPR_2_20191017T0104613_20191017T0100035_C001 CS_OFFL_SIR_GOPR_2_20191017T0104613_20191017T0100035_C001 CS_OFFL_SIR_GOPR_2_20191017T0104613_20191017T0100035_C001 CS_OFFL_SIR_GOPR_2_20191017T0104613_20191017T0100035_C001 CS_OFFL_SIR_GOPR_2_20191017T0004613_20191017T0100035_C001 CS_OFFL_SIR_GOPR_2_20191017T0004613_20191017T0100035_C001 CS_OFFL_SIR_GOPR_2_20191017T0104613_20191017T0100035_C001 CS_	CS_OFFL_SIR_GOPN_2_20191017T221935_20191017T222055_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20191017T222923_20191017T223050_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T231059_C001 CS_OFFL_SIR_GOPN_2_20191017T231855_20191017T232003_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232155_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232155_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232155_C001 CS_OFFL_SIR_GOPN_2_20191017T235924_20191018T000237_C001 CS_OFFL_SIR_GOPN_2_20191017T000137_20191017T000925_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000925_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000032_C001 CS_OFFL_SIR_GOPR_2_20191017T0004613_20191017T005003_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T00403_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T00403_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T014049_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014049_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014049_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014049_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014049_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014049_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014049_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T014049_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T014049_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T014049_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014049_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T0	CS_OFFL_SIR_GOPN_2_20191017T222102_20191017T222330_C001		
CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T232003_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232155_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232155_C001 CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232155_C001 CS_OFFL_SIR_GOPN_2_20191017T232924_20191018T000237_C001 CS_OFFL_SIR_GOPN_2_20191017T000137_20191017T000925_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000925_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T005003_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T005003_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T00403_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T00403_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T00403_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T00403_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014040_C001 CS_OFFL_SIR_GOPR_2_20191017T014040_C0	CS_OFFL_SIR_GOPN_2_20191017T222923_20191017T223050_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232155_C001 OCOG Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG 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 Altimeter Range and Backscatter Quality PLRM. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Q	CS_OFFL_SIR_GOPN_2_20191017T231033_20191017T231059_C001		, ,
CS_OFFL_SIR_GOPN_2_20191017T23203_20191017T235924_20191018T000237_C001 CS_OFFL_SIR_GOPN_2_20191017T235924_20191018T000237_C001 CS_OFFL_SIR_GOPN_2_20191017T000137_20191017T000925_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000925_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000925_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000925_C001 CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T00003_C001 CS_OFFL_SIR_GOPR_2_20191017T0004613_20191017T005003_C001 CS_OFFL_SIR_GOPR_2_20191017T005959_20191017T010403_C001 CS_OFFL_SIR_GOPR_2_20191017T005959_20191017T010403_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014949_C001	CS_OFFL_SIR_GOPN_2_20191017T231855_20191017T232003_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000925_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T005003_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T005003_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T00403_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T01403_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T01403_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T01403_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T01403_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T01403_C001 CS_OFFL_SIR_GOPR_2_20191017T004613_20191017T014049_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014949_C001 CS_OFFL_SIR_GOPR_2_20191017T014154_2019	CS_OFFL_SIR_GOPN_2_20191017T232033_20191017T232155_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality 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 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, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and	CS_OFFL_SIR_GOPN_2_20191017T235924_20191018T000237_C001	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 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 Flags and the OCOG Altimeter Range and B	CS_OFFL_SIR_GOPR_2_20191017T000137_20191017T000925_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20191017T010403_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range 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_20191017T004613_20191017T005003_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_20191017T014154_20191017T014949_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20191017T005959_20191017T010403_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 Flags and Backscatter Quality Flags and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPR_2_20191017T014154_20191017T014949_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
Altimeter Range and Backscatter Quality PLRM Set for one or more records.	CS_OFFL_SIR_GOPR_2_20191017T023846_20191017T024257_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

CS_OFFL_SIR_GOPR_2_20191017T032112_20191017T032830_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_20191017T041629_20191017T042109_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_20191017T043553_20191017T043801_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_20191017T050026_20191017T050742_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_20191017T062533_20191017T062702_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_20191017T063910_20191017T064605_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_20191017T070000_20191017T070444_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_20191017T081732_20191017T082605_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_20191017T091447_20191017T091714_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_20191017T095424_20191017T100206_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_20191017T100216_20191017T100323_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_20191017T100509_20191017T100618_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_20191017T101130_20191017T101205_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_20191017T105353_20191017T105803_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_20191017T113146_20191017T113222_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_20191017T113358_20191017T114017_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_20191017T114017_20191017T114212_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_20191017T121714_20191017T122240_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_20191017T123235_20191017T123647_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_20191017T133135_20191017T133300_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_20191017T135756_20191017T140222_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_20191017T141157_20191017T141534_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_20191017T145813_20191017T145939_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_20191017T153604_20191017T154303_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_20191017T163110_20191017T163656_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_20191017T165052_20191017T165219_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_20191017T170036_20191017T170249_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_20191017T171801_20191017T171831_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_20191017T180534_20191017T180616_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_20191017T181135_20191017T181232_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_20191017T181431_20191017T181736_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_20191017T191249_20191017T191419_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_20191017T194324_20191017T194356_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_20191017T194920_20191017T195003_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_20191017T195003_20191017T195648_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_20191017T203741_20191017T204003_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_20191017T205107_20191017T205347_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_20191017T213152_20191017T213714_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_20191017T221528_20191017T221935_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_20191017T223050_20191017T223251_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_20191017T230517_20191017T230702_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_20191017T231059_20191017T231854_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_20191017T235453_20191017T235924_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors: 201

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: 6

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: 144

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.

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

Number of products with errors:

30

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20191016T231449_20191017T000424_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191017T000424_20191017T005403_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_20191017T005403_20191017T014337_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 heigh (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20191017T014337_20191017T023316_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_20191017T023316_20191017T032251_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_20191017T032251_20191017T041230_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_20191017T041230_20191017T050205_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_20191017T050205_20191017T055143_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_20191017T055143_20191017T064118_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_20191017T064118_20191017T073057_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_20191017T073057_20191017T082032_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_20191017T082032_20191017T091011_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_220191017T091011_20191017T095945_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20191017T095945_20191017T104924_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_220191017T104924_20191017T113859_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_20191017T113859_20191017T122838_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_20191017T122838_20191017T131813_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_20191017T131813_20191017T140751_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_20191017T140751_20191017T145726_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_20191017T145726_20191017T154705_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_20191017T154705_20191017T163640_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_20191017T163640_20191017T172618_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 heigh (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20191017T172618_20191017T181553_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_20191017T181553_20191017T190532_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_20191017T190532_20191017T195507_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_20191017T195507_20191017T204446_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_20191017T204446_20191017T213420_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

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 Topography height (solution 1), the Total Geocentric Ocean Tide height Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period CS_OFFL_SIR_GOP_2_20191017T213420_20191017T222359_C001 solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height 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__20191017T222359_20191017T231334_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 20191017T231334 20191018T000313 C001 Topography (1) Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors: 30

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors:

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

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

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

Number of products with errors: 26

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.

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