

18/09/2019





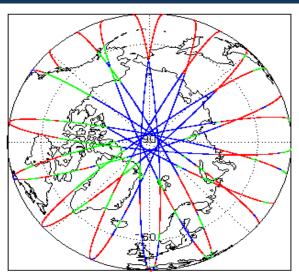
1. Overview

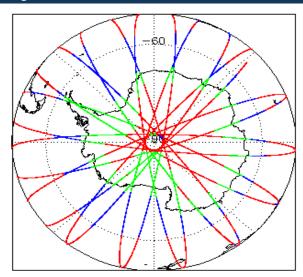
Report Production:	18-Oct-2019
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

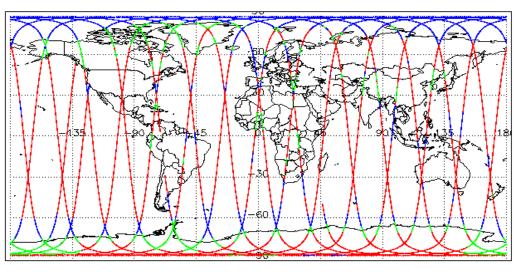
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

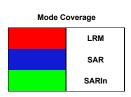
Mis	Mission / Instrument News		
17	7-Sep-2019	SIRAL unavailability on 17-Sep-2019 from 13:54:41 to 15:49:40 due to a planned orbit manoeuvre.	
18	8-Sep-2019	None	
19	9-Sep-2019	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

0

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20190918T000011_20190918T003044_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190918T155336_20190918T161640_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190918T173530_20190918T173651_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190918T011353_20190918T011554_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190918T062023_20190918T062524_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190918T071808_20190918T072420_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190918T075959_20190918T080409_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190918T111326_20190918T111923_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190918T194234_20190918T194446_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190918T212146_20190918T212636_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190918T011315_20190918T011353_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190918T025833_20190918T030308_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190918T054223_20190918T054830_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190918T153654_20190918T154035_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190918T231336_20190918T231531_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190918T074347_20190918T074709_C001	IMean Dynamic Lobography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records

CS_OFFL_SIR_GOPM_2_20190918T212636_20190918T213818_C001		There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20190918T003534_20190918T003914_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_20190918T021500_20190918T021818_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_20190918T022331_20190918T022456_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_20190918T030549_20190918T030651_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_20190918T040236_20190918T040344_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_20190918T044456_20190918T044610_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_20190918T062023_20190918T062524_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_20190918T071808_20190918T072420_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_20190918T075959_20190918T080409_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_20190918T084846_20190918T085106_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_20190918T085736_20190918T090051_C001		There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20190918T093842_20190918T094231_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_20190918T103829_20190918T103945_C001		There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20190918T121734_20190918T121850_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_20190918T131049_20190918T131210_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_20190918T131717_20190918T131924_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_20190918T134736_20190918T134902_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_20190918T135424_20190918T135733_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_20190918T152718_20190918T152919_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_20190918T153323_20190918T153653_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_20190918T170800_20190918T171035_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_20190918T180307_20190918T180428_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_20190918T184326_20190918T184922_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_20190918T185638_20190918T185817_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_20190918T193731_20190918T193831_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_20190918T194234_20190918T194446_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_20190918T194610_20190918T194835_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_20190918T203546_20190918T203745_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_20190918T212146_20190918T212636_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_20190918T234600_20190918T234827_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_20190918T012636_20190918T013423_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_20190918T030651_20190918T031501_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_20190918T044610_20190918T045331_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_20190918T062524_20190918T063258_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_20190918T080409_20190918T081102_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_20190918T094231_20190918T095002_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_20190918T111923_20190918T112705_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_20190918T125856_20190918T130517_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_20190918T130517_20190918T130656_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_20190918T131211_20190918T131225_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_20190918T143641_20190918T144416_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_20190918T144416_20190918T144549_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_20190918T161640_20190918T162313_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_20190918T162313_20190918T162438_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_20190918T175537_20190918T180158_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_20190918T180158_20190918T180307_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_20190918T193831_20190918T194233_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_20190918T211537_20190918T212146_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_20190918T225651_20190918T230211_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

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5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

Number of products with errors:

92

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190918T000011_20190918T003044_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_20190918T003915_20190918T004454_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_20190918T004843_20190918T005237_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_20190918T011156_20190918T011315_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_20190918T012352_20190918T012547_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_20190918T013828_20190918T021100_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_20190918T021818_20190918T022330_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_20190918T022904_20190918T024512_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_20190918T030308_20190918T030421_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_20190918T031501_20190918T035003_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_20190918T035559_20190918T035818_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_20190918T035824_20190918T040236_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_20190918T040751_20190918T043306_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_20190918T043330_20190918T044103_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_20190918T045332_20190918T050752_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_20190918T051433_20190918T052420_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_20190918T052609_20190918T052920_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_20190918T053156_20190918T053716_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_20190918T053735_20190918T053940_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_20190918T054830_20190918T060052_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_20190918T060258_20190918T062022_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_20190918T064223_20190918T065154_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_20190918T065356_20190918T070221_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_20190918T070225_20190918T070816_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_20190918T071121_20190918T071617_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_20190918T074347_20190918T074709_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_20190918T074805_20190918T075032_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_20190918T075640_20190918T075959_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_20190918T083153_20190918T084700_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_20190918T085106_20190918T085543_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_20190918T090321_20190918T093637_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_20190918T100142_20190918T102605_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_20190918T102939_20190918T103444_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_20190918T104209_20190918T110827_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_20190918T111028_20190918T111326_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_20190918T112903_20190918T112956_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_20190918T113703_20190918T113924_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_20190918T113933_20190918T120531_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_20190918T120919_20190918T121358_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_20190918T122240_20190918T125517_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_20190918T130656_20190918T131027_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_20190918T131707_20190918T131717_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_20190918T133922_20190918T134209_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_20190918T134902_20190918T135424_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_20190918T140136_20190918T142233_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_20190918T142519_20190918T143641_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_20190918T144624_20190918T145040_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_20190918T150636_20190918T151124_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_20190918T151311_20190918T152307_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_20190918T152919_20190918T153323_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_20190918T154036_20190918T154531_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_20190918T154540_20190918T155112_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190918T155336_20190918T161640_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_20190918T163047_20190918T163633_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_20190918T163803_20190918T170100_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_20190918T171035_20190918T171228_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_20190918T171533_20190918T171658_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_20190918T172024_20190918T172605_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_20190918T172619_20190918T173526_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_20190918T174132_20190918T174835_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_20190918T180958_20190918T181549_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_20190918T181716_20190918T182531_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_20190918T182758_20190918T182825_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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Decoration Dec	CS_OFFL_SIR_GOPM_2_20190918T183151_20190918T184229_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Basicant Castly	CS_OFFL_SIR_GOPM_2_20190918T184922_20190918T185142_C001		
CB_CPTL_SR_QOM_2_2619911971999_201001871900_COLD CB_CPTL_SR_QOM_2_2619911971999_201001871900_COLD CB_CPTL_SR_QOM_2_2619911971999_201001871900_COLD CB_CPTL_SR_QOM_2_2619911971999_201001871900_COLD CB_CPTL_SR_QOM_2_2619911971999_201001871900_COLD CB_CPTL_SR_QOM_2_2619911971999_201001871900_COLD CB_CPTL_SR_QOM_2_2619911971999_201001871900_COLD CB_CPTL_SR_QOM_2_2619911971999_201001871900_COLD CB_CPTL_SR_QOM_2_2619911971999_201001871900_COLD CB_CPTL_SR_QOM_2_2619911971999_201001872004_COLD CB_C	CS_OFFL_SIR_GOPM_2_20190918T185217_20190918T185638_C001		
Section Sect	CS_OFFL_SIR_GOPM_2_20190918T185929_20190918T190525_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Cat. OPTL_SIR_GOPM_2_20196916T19501_2019918T19250C_001	CS_OFFL_SIR_GOPM_2_20190918T190639_20190918T191320_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOM_2_20100919T198581_2019019T198592_COID Significant Frager_SSHA_SWH_ and Exclassible Quality Frager and Bedwarder Qua	CS_OFFL_SIR_GOPM_2_20190918T191459_20190918T192957_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_29190918T20062_29190918T20042_C001 CR_OFFL_SIR_GOPM_2_29190918T20062_29190918T20042_C001 CR_OFFL_SIR_GOPM_2_29190918T20062_29190918T20042_C001 CR_OFFL_SIR_GOPM_2_29190918T20062_29190918T20042_C001 CR_OFFL_SIR_GOPM_2_29190918T20062_29190918T20042_C001 CR_OFFL_SIR_GOPM_2_29190918T20069_29190918T20042_C001 CR_OFFL_SIR_GOPM_2_29190918T20069_29190918T20042_C001 CR_OFFL_SIR_GOPM_2_29190918T20069_29190918T20069_C001 CR_OFFL_SIR_GOPM_2_29190918T20069_29190918T20069_C001 CR_OFFL_SIR_GOPM_2_29190918T20069_C001 CR_OFFL_SIR_GOPM_2_29190918T200	CS_OFFL_SIR_GOPM_2_20190918T195150_20190918T195501_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Budswatter Guality, COCG Affinited França and Budswatter Guality Flags have been act for an or non according. Cat. GEFL_SIR_GOPM_2_20190918T2001F2_0019018T200546_C001 Cat. GEFL_SIR_GOPM_2_20190918T2001F2_0019018T200546_C001 Cat. GEFL_SIR_GOPM_2_20190918T2001F2_0019018T200546_C001 Cat. GEFL_SIR_GOPM_2_20190918T2001F2_0019018T200047_C001 Cat. GEFL_SIR_GOPM_2_20190918T2001F2_0019018T20007_C001 Cat. GEFL_SIR_GOPM_2_20190918T2001F2_0019018T20007_C001 Cat. GEFL_SIR_GOPM_2_20190918T2001F2_0019018T20007_C001 Cat. GEFL_SIR_GOPM_2_20190918T20007_C001 Cat. GEFL_SIR_GOPM_2_20190918T20007_C001 Cat. GEFL_SIR_GOPM_2_20190918T20007_C001 Cat. GEFL_SIR_GOPM_2_20190918T20007_C001 Cat. GEFL_SIR_GOPM_2_20190918T20007_C001 Cat. GEFL_SIR_GOPM_2_20190918T20007_C001 Cat. GEFL_SIR_GOPM_2_20190918T20007_C00190918T20007_C001 Cat. GEFL_SIR_GOPM_2_20190918T20007_C00190918T20007_	CS_OFFL_SIR_GOPM_2_20190918T195631_20190918T195859_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
cS_OFFL_SIR_GOPM_2_20100918T202710_20100918T202710_20100918T202710_20100918T202710_20100918T202710_20100918T202710_20100918T202710_20100918T20077_C001 CS_OFFL_SIR_GOPM_2_20100918T202710_20100918T200277_C001 CS_OFFL_SIR_GOPM_2_20100918T202710_20100918T200277_C001 CS_OFFL_SIR_GOPM_2_20100918T202071_20010918T200277_C001 CS_OFFL_SIR_GOPM_2_20100918T202072_20100918T200277_C001 CS_OFFL_SIR_GOPM_2_20100918T202072_20100918T200277_C001 CS_OFFL_SIR_GOPM_2_20100918T202072_20100918T200277_C001 CS_OFFL_SIR_GOPM_2_20100918T200272_20100918T200277_C001 CS_OFFL_SIR_GOPM_2_20100918T200272_20100918T200277_C001 CS_OFFL_SIR_GOPM_2_20100918T202072_20100918T200277_C001 CS_OFFL_SIR_GOPM_2_20100918T200272_20100918T200277_C001 CS_OFFL_SIR_GOPM_2_20100918T200272_20100918T200272_C001 CS_OFFL_SIR_GOPM_2_20100918T200272_20100918T200272_C001 CS_OFFL_SIR_GOPM_2_20100918T200272_20100918T200272_C001 CS_OFFL_SIR_GOPM_2_20100918T202072_20100918T20072_200000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20190918T200021_20190918T200437_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscarter Quality For one or more records. CS_OFFL_SIR_GOPM_2_20190918720919_201909187210047.C001 CS_OFFL_SIR_GOPM_2_201909187213824_20190918722037_C001 CS_OFFL_SIR_GOPM_2_20190918722022_201909187220012 CS_OFFL_SIR_GOPM_2_20190918722002_201909187220012 CS_OFFL_SIR_GOPM_2_20190918722002_201909187220012 CS_OFFL_SIR_GOPM_2_20190918722002_20190918722001 CS_OFFL_SIR_GOPM_2_20190918722002_20190918722001 CS_OFFL_SIR_GOPM_2_20190918722002_20190918722001 CS_OFFL_SIR_GOPM_2_201909187220010 CS_OFFL_SIR_GOPM_2_201909187230010 CS_OFFL_SIR_GOPM_2_2019091872300010 CS_OFFL_SIR_GOPM_2_2019091872300010 CS_OFFL_SIR_GOPM_2_2019091872300010 CS_OFFL_SIR_GOPM_2_2019091872300010 CS_OFFL_SIR_GOPM_2_2019091872300010 CS_OFFL_SIR_GOPM_2_2019091872300010 CS_OFFL_SIR_GOPM_2_2019091872300010 CS_OFFL_SIR_GOPM_2_2019091872300010 CCCCA Alterneter Range Quality, COCO Alterneter Range and Backscarter Quality Flags have been set for one or more records. CCCCA Alterneter Range and Backscarter Quality Flags have been set for one or more records. CCCCA Alterneter Range and Backscarter Quality Flags have been set for one or more records. CCCCA Alterneter Range and Backscarter Quality Flags have been set for one or more records. CCCCA Alterneter Rang	CS_OFFL_SIR_GOPM_2_20190918T200827_20190918T202254_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more accords. CS_OFFL_SIR_GOPM_2_20190918723824_201909187220812_C001 CS_OFFL_SIR_GOPM_2_201909187220822_201909187220812_C001 CS_OFFL_SIR_GOPM_2_201909187220822_201909187220812_C001 CS_OFFL_SIR_GOPM_2_201909187220822_201909187220812_C001 CS_OFFL_SIR_GOPM_2_201909187220812_201909187220812_C001 CS_OFFL_SIR_GOPM_2_201909187220812_201909187220812_C001 CS_OFFL_SIR_GOPM_2_201909187220812_201909187220801_C001 CS_OFFL_SIR_GOPM_2_201909187220812_201909187220800_C001 CS_OFFL_SIR_GOPM_2_201909187220812_201909187220800_C001 CS_OFFL_SIR_GOPM_2_201909187220800_C001 CS_OFFL_SIR_GOPM_2_201909187220800_C001 CS_OFFL_SIR_GOPM_2_20190918723451_201909187234600_C001 CS_OFFL_SIR_GOPM_2_20190918723451_201909187234048_C001 CS_OFFL_SIR_GOPM_2_20190918723452_201909187234048_C001 CS_OFFL_SIR_GOPM_2_20190918723452_201909187234048_C001 CS_OFFL_SIR_GOPM_2_20190918723452_201909187234048_C001 CS_OFFL_SIR_GOPM_2_201909187234087_C001 CS_OFFL_SIR_GOPM_2_201909187234507_C001909187234048_C001 CS_OFFL_SIR_GOPM_2_201909187234507_C001909187234048_C001 CS_OFFL_SIR_GOPM_2_201909187234507_C001909187234048_C001 CS_OFFL_SIR_GOPM_2_201909187234687_C001909187234048_C001 CS_OFFL_SIR_GOPM_2_201909187234687_C001909187234048_C001 CC_OFFL_SIR_GOPM_2_201909187234687_C001909187234048_C001 CC_OFFL_SIR_GOPM_2_201909187234687_C001909187234048_C001 CC_OFFL_SIR_GOPM_2_201909187234687_C001909187234048_C001 CC_OFFL_SIR_GOPM_2_201909187234687_C001909187234048_C001 CC_OFFL_SIR_GOPM_2_201909187234687_C001909187234048_C001 CC_OFFL_SIR_GOPM_2_201909187234687_C001909187234048_C00190918	CS_OFFL_SIR_GOPM_2_20190918T202710_20190918T203546_C001		
CS_OFFL_SIR_GOPM_2_20190918T230242_20190918T220812_C001 CS_OFFL_SIR_GOPM_2_20190918T220822_20190918T220812_C001 CS_OFFL_SIR_GOPM_2_20190918T220812_C001 CS_OFFL_SIR_GOPM_2_20190918T220812_C001 CS_OFFL_SIR_GOPM_2_20190918T220812_20190918T224820_C001 CS_OFFL_SIR_GOPM_2_20190918T222212_20190918T224820_C001 CS_OFFL_SIR_GOPM_2_20190918T222212_20190918T224820_C001 CS_OFFL_SIR_GOPM_2_20190918T222212_20190918T22805_C001 CS_OFFL_SIR_GOPM_2_20190918T222812_20190918T22805_C001 CS_OFFL_SIR_GOPM_2_20190918T228421_C001 CS_OFFL_SIR_GOPM_2_20190918T228422_C0001 CS_OFFL_SIR_GOPM_2_20190918T228424_C001 CS_OFFL_SIR_GOPM_2_20190918T228422_C0001 CS_OFFL_SIR_GOPM_2_20190918T228422_C0001 CS_OFFL_SIR_GOPM_2_20190918T228424_C001 CS_OFFL_SIR_GOPM_2_20190918T228424_C001 CS_OFFL_SIR_GOPM_2_20190918T23532_20190918T234048_C001 CS_OFFL_SIR_GOPM_2_20190918T23532_20190918T234048_C001 CS_OFFL_SIR_GOPM_2_20190918T235788_20190918T01759_C001 CS_OFFL_SIR_GOPM_2_20190918T235788_20190918T101142_C001 CS_OFFL_SIR_GOPM_2_20190918T235788_20190918T101142_C001 CS_OFFL_SIR_GOPM_2_20190918T06814_20190918T100145_C001 CS_OFFL_SIR_GOPM_2_20190918T06814_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T06814_20190918T100145_C001 CS_OFFL_SIR_GOPM_2_20190918T06814_20190918T100145_C001 CS_OFFL_SIR_GOPM_2_20190918T06814_20190918T100145_C001 CS_OFFL_SIR_GOPM_2_20190918T130835_20190918T11755_C001 CS_OFFL_SIR_GOPM_2_20190918T130835_20190918T11755_C001 CS_OFFL_SIR_GOPM_2_20190918T10768614_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T036814_20190918T100145_C001 CS_OFFL_SIR_GOPM_2_20190918T130835_20190918T130838_C001 CS_OFFL_SIR_GOPM_2_20190918T130835_20190918T130838_C001 CS_OFFL_SIR_GOPM_2_20190918T100442_1_20190918T1001442_C001 CS_OFFL_SIR_GOPM_2_20190918T1006814_20190918T100145_C001 CS_OFFL_SIR_GOPM_2_20190918T1006814_20190918T100145_C001 CS_OFFL_SIR_GOPM_2_20190918T1006814_20190918T100145_C001 CS_OFFL_SIR_GOPM_2_20190918T1006814_20190918T100145_C001 CS_OFFL_SIR_GOPM_2_20190918T1006814_20190918T100145_C001 CS_OFFL_SIR_GOPM_2_2019	CS_OFFL_SIR_GOPM_2_20190918T203919_20190918T210047_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20190918T220910_20190918T221447_C001 CS_OFFL_SIR_GOPM_2_20190918T222212_20190918T224620_C001 CS_OFFL_SIR_GOPM_2_20190918T222212_20190918T224620_C001 CS_OFFL_SIR_GOPM_2_20190918T222541_20190918T225605_C001 CS_OFFL_SIR_GOPM_2_20190918T225451_20190918T225605_C001 CS_OFFL_SIR_GOPM_2_20190918T23532_20190918T234048_C001 CS_OFFL_SIR_GOPM_2_20190918T23432_20190918T234048_C001 CS_OFFL_SIR_GOPM_2_20190918T234827_20190918T234241_C001 CS_OFFL_SIR_GOPM_2_20190918T234827_20190918T235421_C001 CS_OFFL_SIR_GOPM_2_20190918T238548_20190919T001799_C001 CS_OFFL_SIR_GOPM_2_20190918T238548_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T095814_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T1095814_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T109582_00198T100145_C001 CS_OFFL_SIR_G	CS_OFFL_SIR_GOPM_2_20190918T213824_20190918T220237_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20190918T2224221_20190918T224620_C001 CS_OFFL_SIR_GOPM_2_20190918T225451_20190918T225605_C001 CS_OFFL_SIR_GOPM_2_20190918T225451_20190918T225605_C001 CS_OFFL_SIR_GOPM_2_20190918T225451_20190918T225605_C001 CS_OFFL_SIR_GOPM_2_20190918T23532_20190918T2354048_C001 CS_OFFL_SIR_GOPM_2_20190918T234827_20190918T235421_C001 CS_OFFL_SIR_GOPM_2_20190918T234827_20190918T235421_C001 CS_OFFL_SIR_GOPM_2_20190918T234827_20190918T235421_C001 CS_OFFL_SIR_GOPM_2_20190918T2354827_20190918T235421_C001 CS_OFFL_SIR_GOPM_2_20190918T2354827_20190918T235421_C001 CS_OFFL_SIR_GOPM_2_20190918T2354827_20190918T235421_C001 CS_OFFL_SIR_GOPM_2_20190918T2354827_20190918T235421_C001 CS_OFFL_SIR_GOPM_2_20190918T2354827_20190918T235421_C001 CS_OFFL_SIR_GOPM_2_20190918T2354827_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T056814_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T056814_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T056814_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T112706_20190918T112714_C001 CS_OFFL_SIR_GOPM_2_20190918T112706_20190918T112714_C001 CS_OFFL_SIR_GOPM_2_20190918T105682_0190918T112714_C001 CS_OFFL_SIR_GOPM_2_20190918T10568_0190918T112714_C001 CS_OFFL_SIR_GOPM_2_20190918T10568_0190918T112714_C001 CS_OFFL_SIR_GOPM_2_20190918T10568_0190918T112714_C001 CS_OFFL_SIR_GOPM_2_20190918T10568_0190918T112714_C001 CS_OFFL_SIR_GOPM_2_20190918T10568_0190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T1000142_C001 CS_OFFL_SIR_GOPM_2_20190918T1000142_C001 CS_OFFL_SIR_GOPM_2_20190918T1000142_C001 CS_OFFL_SIR_GOPM_2_20190918T1000142_C001 CS_OFFL_SIR_GOPM_2_20190918T1000142_C001 CS_OFFL_SIR_GOPM_2_20190918T1000142_C001 CS_OFFL_SIR_GOPM_2_20190918T1000142_C001 CS_OFFL_SIR_GOPM_2_20190918T1000142_C001 CS_OFFL_SIR_GOPM_2_20190918T1000142_C001 CS_OFFL_SIR_GOPM_2_20190918T1000142_C	CS_OFFL_SIR_GOPM_2_20190918T220622_20190918T220812_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, O	CS_OFFL_SIR_GOPM_2_20190918T220910_20190918T221347_C001		
and Backscatter Quality COG Altimeter Range and Backscatter Quality Set for one or more records. CS_OFFL_SIR_GOPM_2_20190918T231532_20190918T234048_C001 CS_OFFL_SIR_GOPM_2_20190918T234532_20190918T23421_C001 CS_OFFL_SIR_GOPM_2_20190918T234827_20190918T235421_C001 CS_OFFL_SIR_GOPM_2_20190918T235748_20190918T235421_C001 CS_OFFL_SIR_GOPM_2_20190918T235748_20190918T001759_C001 CS_OFFL_SIR_GOPM_2_20190918T095814_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T095814_20190918T100142_C001 CS_OFFL_SIR_GOPM_2_20190918T112708_20190918T112714_C001 CS_OFFL_SIR_GOPM_2_20190918T112708_20190918T112714_C001 CS_OFFL_SIR_GOPM_2_20190918T1136358_20190918T113638_C001 CS_OFFL_SIR_GOPM_2_20190918T13658_20190918T171855_C001 CS_OFFL_SIR_GOPM_2_20190918T171658_20190918T171855_C001 CS_OFFL_SIR_GOPM_2_20190918T100042_20190918T100049_C001 CS_OFFL_SIR_GOPM_2_20190918T100042_20190918T171855_C001 CS_OFFL_SIR_GOPM_2_20190918T100042_20190918T100049_C001 CS_OFFL_SIR_GOPM_2_20190918T100042_20190918T171855_C001 CS_OFFL_SIR_GOPM_2_20190918T100042_20190918T100049_C001 CS_OFFL_SIR_GOPM_2_20190918T100042_20190918T100049_C001 CS_OFFL_SIR_GOPM_2_20190918T100042_20190918T100049_C001 CS_OFFL_SIR_GOPM_2_20190918T100049_C001 CS_OF	CS_OFFL_SIR_GOPM_2_20190918T222212_20190918T224620_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20190918T231532_20190918T234048_CO01 And Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20190918T23542_20190918T235421_CO01 CS_OFFL_SIR_GOPM_2_20190918T235748_20190919T001759_CO01 CS_OFFL_SIR_GOPM_2_20190918T095814_20190919T001759_CO01 CS_OFFL_SIR_GOPM_2_20190918T095814_20190918T100142_CO01 CS_OFFL_SIR_GOPM_2_20190918T095814_20190918T100142_CO01 CS_OFFL_SIR_GOPM_2_20190918T112706_20190918T112714_CO01 CS_OFFL_SIR_GOPM_2_20190918T112706_20190918T112714_CO01 CS_OFFL_SIR_GOPM_2_20190918T133635_20190918T133638_CO01 CS_OFFL_SIR_GOPM_2_20190918T133635_20190918T171855_CO01 CS_OFFL_SIR_GOPM_2_20190918T171658_20190918T171855_CO01 CS_OFFL_SIR_GOPM_2_20190918T030421_20190918T030549_CO01 CS_OFFL_SIR_GOPM_2_20190918T030421_20190918T030549_CO01 CS_OFFL_SIR_GOPM_2_20190918T030421_20190918T030549_CO01 CS_OFFL_SIR_GOPM_2_20190918T030421_20190918T030549_CO01 CS_OFFL_SIR_GOPM_2_20190918T030421_20190918T030549_CO01 CS_OFFL_SIR_GOPM_2_20190918T030421_20190918T030549_CO01 CS_OFFL_SIR_GOPM_2_20190918T030421_20190918T030549_CO01 CS_OFFL_SIR_GOPM_2_20190918T030542_C0190918T030549_CO01 CS_OFFL_SIR_GOPM_2_20190918T030542_C0190918T030549_CO01 CS_OFFL_SIR_GOPM_2_20190918T030542_C0190918T030549_CO01 CS_OFFL_SIR_GOPM_2_20190918T030542_C0190918T030549_CO01 CS_OFFL_SIR_GOPM_2_20190918T030542_C0190918T030549_CO01 CS_OFFL_SIR_GOPM_2_20190918T030542_C0190918T030549_CO01 CCOMPANDED TO THE COCO Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOMPANDED TO THE COCO Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOMPANDED TO THE COCO Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOMPANDED TO THE COCO Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOMPANDED TO THE COCO Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOMPANDED TO THE	CS_OFFL_SIR_GOPM_2_20190918T225451_20190918T225605_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20190918T235748_20190919T001759_C001 CS_OFFL_SIR_GOPM_2_20190918T235748_20190919T001759_C001 CS_OFFL_SIR_GOPM_2_20190918T095814_20190918T100142_C001 CS_OFFL_SIR_GOPN_2_20190918T095814_20190918T100142_C001 CS_OFFL_SIR_GOPN_2_20190918T112706_20190918T112714_C001 CS_OFFL_SIR_GOPN_2_20190918T1133635_20190918T133638_C001 CS_OFFL_SIR_GOPN_2_20190918T133635_20190918T133638_C001 CS_OFFL_SIR_GOPN_2_20190918T171658_20190918T171855_C001 CS_OFFL_SIR_GOPN_2_20190918T171658_20190918T171855_C001 CS_OFFL_SIR_GOPN_2_20190918T234431_20190918T234551_C001 CS_OFFL_SIR_GOPN_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T050752_20190918T051233_C001 CS_OFFL_SIR_GOPR_2_20190918T0	CS_OFFL_SIR_GOPM_2_20190918T231532_20190918T234048_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_20190918T095814_20190918T100142_C001 CS_OFFL_SIR_GOPN_2_20190918T112706_20190918T112714_C001 CS_OFFL_SIR_GOPN_2_20190918T112706_20190918T112714_C001 CS_OFFL_SIR_GOPN_2_20190918T13635_20190918T133638_C001 CS_OFFL_SIR_GOPN_2_20190918T133635_20190918T133638_C001 CS_OFFL_SIR_GOPN_2_20190918T13655_20190918T171658_20190918T171855_C001 CS_OFFL_SIR_GOPN_2_20190918T171658_20190918T171855_C001 CS_OFFL_SIR_GOPN_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPN_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T050752_20190918T051233_C001 Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20190918T050752_20190918T051233_C001 Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. COCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have	CS_OFFL_SIR_GOPM_2_20190918T234827_20190918T235421_C001		
Backscatter Quality CS_OFFL_SIR_GOPN_2_20190918T112706_20190918T112714_C001 Backscatter Quality CS_OFFL_SIR_GOPN_2_20190918T112706_20190918T112714_C001 CS_OFFL_SIR_GOPN_2_20190918T133635_20190918T133638_C001 CS_OFFL_SIR_GOPN_2_20190918T133635_20190918T133638_C001 CS_OFFL_SIR_GOPN_2_20190918T171658_20190918T171855_C001 CS_OFFL_SIR_GOPN_2_20190918T171658_20190918T171855_C001 CS_OFFL_SIR_GOPN_2_20190918T234431_20190918T234551_C001 CS_OFFL_SIR_GOPN_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T051233_C001 Backscatter Quality COCG Altimeter Range and Backscatter Quality The OCG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T050752_20190918T051233_C001 Backscatter Quality CCS_OFFL_SIR_GOPR_2_20190918T050752_20190918T051233_C001 CCS_OFFL_SIR_GOPR_2_20190918T050752_2019	CS_OFFL_SIR_GOPM_2_20190918T235748_20190919T001759_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20190918T112706_20190918T112714_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality CS_OFFL_SIR_GOPN_2_20190918T133635_20190918T133638_C001 CS_OFFL_SIR_GOPN_2_20190918T171658_20190918T171855_C001 CS_OFFL_SIR_GOPN_2_20190918T171658_20190918T171855_C001 CS_OFFL_SIR_GOPN_2_20190918T234431_20190918T234551_C001 CS_OFFL_SIR_GOPN_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030552_20190918T051233_C001 and Backscatter Quality, OCOG Backsca	CS_OFFL_SIR_GOPN_2_20190918T095814_20190918T100142_C001		
Backscatter Quality CS_OFFL_SIR_GOPN_2_20190918T133638_C001 Backscatter Quality CS_OFFL_SIR_GOPN_2_20190918T171658_20190918T171855_C001 CS_OFFL_SIR_GOPN_2_20190918T234431_20190918T234551_C001 CS_OFFL_SIR_GOPN_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T0305421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T0305421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T0305421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T0305421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T0305421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T0305421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T0305421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T0305421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T0305421_20190918T030549_C001 CS_OFFL_SIR_GOPR_2_20190918T030549_C001 CS_OFFL_SIR_GOPR_	CS_OFFL_SIR_GOPN_2_20190918T112706_20190918T112714_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20190918T171658_20190918T171855_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	CS_OFFL_SIR_GOPN_2_20190918T133635_20190918T133638_C001		
Backscatter Quality Cs_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 Backscatter Quality Cs_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 Backscatter Quality Coean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20190918T171658_20190918T171855_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have Backscatter Quality Flags have Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have Backscatter Quali	CS_OFFL_SIR_GOPN_2_20190918T234431_20190918T234551_C001		
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG and House the Ocog Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPR_2_20190918T030421_20190918T030549_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPR_2_20190918T050752_20190918T051233_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been

3	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
3	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_20190918T003534_20190918T003914_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_20190918T010152_20190918T010525_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_20190918T011353_20190918T011554_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_20190918T011632_20190918T011650_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_20190918T013423_20190918T013554_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_20190918T013632_20190918T013828_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_20190918T022331_20190918T022456_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_20190918T024512_20190918T024826_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_20190918T040236_20190918T040344_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_20190918T053020_20190918T053156_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_20190918T063825_20190918T064223_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_20190918T071808_20190918T072420_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_20190918T075517_20190918T075640_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_20190918T075959_20190918T080409_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_20190918T093637_20190918T093759_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_20190918T093842_20190918T094231_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_20190918T095814_20190918T100142_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_20190918T111326_20190918T111923_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_20190918T120755_20190918T120919_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_20190918T131049_20190918T131210_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_20190918T131717_20190918T131924_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_20190918T145040_20190918T145134_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_20190918T150311_20190918T150636_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_20190918T152718_20190918T152919_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPN_2_20190918T153323_20190918T153653_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_GOPN_2_20190918T162438_20190918T162452_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 Quali and the OCOG Altimeter Range and Backscatter Quality Flags has to for one or more records.
CS_OFFL_SIR_GOPN_2_20190918T171228_20190918T171533_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPN_2_20190918T171658_20190918T171855_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 Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_GOPN_2_20190918T183045_20190918T183150_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPN_2_20190918T184326_20190918T184922_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_GOPN_2_20190918T185142_20190918T185216_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPN_2_20190918T185638_20190918T185817_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPN_2_20190918T194234_20190918T194446_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPN_2_20190918T194610_20190918T194835_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_GOPN_2_20190918T200510_20190918T200826_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPN_2_20190918T203546_20190918T203745_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_GOPN_2_20190918T212146_20190918T212636_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPN_2_20190918T225354_20190918T225451_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPN_2_20190918T235421_20190918T235548_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 Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_GOPR_2_20190918T003044_20190918T003534_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_GOPR_2_20190918T004609_20190918T004843_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_GOPR_2_20190918T011950_20190918T012253_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPR_2_20190918T012636_20190918T013423_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 Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_GOPR_2_20190918T021100_20190918T021500_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_GOPR_2_20190918T022457_20190918T022904_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 Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_GOPR_2_20190918T025337_20190918T025424_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags has to for one or more records.
CS_OFFL_SIR_GOPR_2_20190918T025539_20190918T025651_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPR_2_20190918T025705_20190918T025833_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPR_2_20190918T025833_20190918T030308_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_GOPR_2_20190918T030651_20190918T031501_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags ha set for one or more records.

	Ocean Altimeter Range, SSHA, SWH	
CS_OFFL_SIR_GOPR_2_20190918T035003_20190918T035213_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190918T040344_20190918T040751_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_20190918T044610_20190918T045331_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_20190918T054126_20190918T054223_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_20190918T054223_20190918T054830_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_20190918T062524_20190918T063258_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_20190918T065154_20190918T065244_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_20190918T070816_20190918T070936_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_20190918T072638_20190918T072932_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_20190918T080409_20190918T081102_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_20190918T082504_20190918T082948_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_20190918T084700_20190918T084846_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_20190918T094231_20190918T095002_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_20190918T103945_20190918T104209_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_20190918T110827_20190918T110844_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_20190918T111923_20190918T112705_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_20190918T120531_20190918T120755_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_20190918T121851_20190918T122240_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_20190918T125856_20190918T130517_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_20190918T131027_20190918T131049_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_20190918T131211_20190918T131225_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_20190918T134209_20190918T134736_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_20190918T143641_20190918T144416_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_20190918T152307_20190918T152718_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_20190918T155112_20190918T155336_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_20190918T161640_20190918T162313_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_20190918T162313_20190918T162438_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_20190918T175537_20190918T180158_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_20190918T182531_20190918T182745_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_20190918T193035_20190918T193119_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_20190918T193545_20190918T193621_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_20190918T193621_20190918T193730_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_20190918T193831_20190918T194233_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_20190918T210048_20190918T210227_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_20190918T211537_20190918T212146_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_20190918T220237_20190918T220459_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_20190918T221605_20190918T221858_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_20190918T225651_20190918T230211_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_20190918T234048_20190918T234431_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_20190918T235548_20190918T235748_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: 1

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:

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.

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

0

6.4 P2P Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220190917T235005_20190918T003944_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_20190918T003944_20190918T012919_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_220190918T012919_20190918T021857_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_20190918T021857_20190918T030833_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_20190918T030833_20190918T035811_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_20190918T035811_20190918T044746_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_20190918T044746_20190918T053724_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_20190918T053724_20190918T062700_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_20190918T062700_20190918T071638_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_20190918T071638_20190918T080613_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_20190918T080613_20190918T085551_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_20190918T085551_20190918T094527_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_20190918T094527_20190918T103505_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_20190918T103505_20190918T112440_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_20190918T112440_20190918T121419_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_220190918T121419_20190918T130354_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_220190918T130354_20190918T135332_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_220190918T135332_20190918T144308_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_220190918T144308_20190918T153246_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_220190918T153246_20190918T162221_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_220190918T162221_20190918T171159_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_20190918T171159_20190918T180135_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_20190918T180135_20190918T185113_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220190918T185113_20190918T194048_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_20190918T194048_20190918T203026_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20190918T203026_20190918T212002_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_220190918T212002_20190918T220940_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), 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__20190918T220940_20190918T225916_C001

CS_OFFL_SIR_GOP_2__20190918T225916_20190918T234854_C002

Mean Sea Surface (1), Mean Dynamic Topography (1)

Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Ocean Tide

There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

There is an error with the MSS height (solution 1) and the Mean Dynamic Tide (GOT), Total Geocentric Ocean
Tide (GOT), Total Geocentric Ocean
Tide (FES), Non-Equilibrium Long Period

for one or more records for one or more records

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors:

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

30

30

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.

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

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

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

Number of products with errors:

P2P Retracking Flags PLRM

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

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