

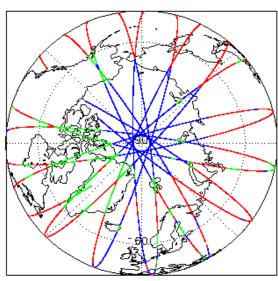
1. Overview

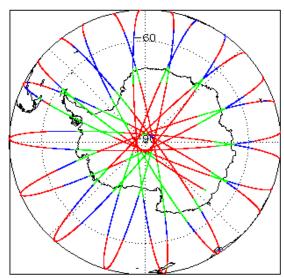
Report Production:	29-Oct-2020		
Processor Used:	CryoSat Ocean Processor		
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data		

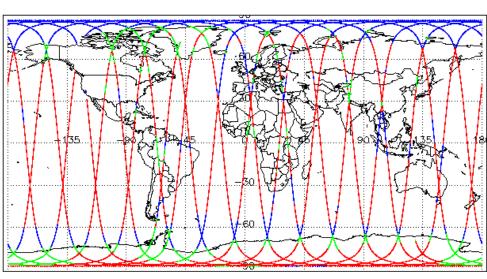
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6	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
QCC Error/ Warning Check	See Section 7.2	See Section 7.2 and 7.3

Mission / Instru	ment News
28-Sep-2020	None
29-Sep-2020	None
30-Sep-2020	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

Ω

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:

23

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20200929T014147_20200929T014406_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200929T122818_20200929T123244_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200929T125936_20200929T130154_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200929T180957_20200929T181405_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200929T013613_20200929T013832_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200929T094442_20200929T094709_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200929T112153_20200929T112617_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200929T112705_20200929T112820_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200929T122554_20200929T122724_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200929T130248_20200929T130716_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200929T234619_20200929T234800_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200929T003055_20200929T003448_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200929T045001_20200929T045626_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200929T062935_20200929T063723_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200929T080022_20200929T080106_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200929T080106_20200929T080601_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200929T080932_20200929T081801_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200929T134959_20200929T135200_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200929T144538_20200929T145044_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200929T184103_20200929T184335_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200929T184512_20200929T185037_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200929T193941_20200929T194719_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200929T212618_20200929T212954_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.

umber of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200929T030653_20200929T030724_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20200929T030724_20200929T030958_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20200929T180957_20200929T181405_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_20200929T000001_20200929T000240_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20200929T003634_20200929T004238_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_20200929T013613_20200929T013832_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_20200929T021853_20200929T022038_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_20200929T031544_20200929T032027_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_20200929T040712_20200929T040957_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_20200929T053818_20200929T054206_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_20200929T061733_20200929T061834_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_20200929T062847_20200929T062935_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_20200929T071757_20200929T072112_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_20200929T080857_20200929T080932_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20200929T090533_20200929T090643_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_20200929T094442_20200929T094709_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20200929T094748_20200929T094909_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_20200929T112153_20200929T112617_C001	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 Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20200929T112705_20200929T112820_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_20200929T122108_20200929T122343_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_20200929T130248_20200929T130716_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_20200929T140021_20200929T140348_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_20200929T144147_20200929T144538_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_20200929T154129_20200929T154310_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_20200929T175833_20200929T175952_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_20200929T185038_20200929T185201_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_20200929T185727_20200929T190039_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_20200929T203013_20200929T203128_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_20200929T203626_20200929T203947_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_20200929T221103_20200929T221338_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_20200929T230618_20200929T230739_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_20200929T234810_20200929T235233_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_20200929T013140_20200929T013613_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_20200929T031134_20200929T031544_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_20200929T045001_20200929T045626_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_20200929T061834_20200929T061926_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_20200929T062935_20200929T063723_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_20200929T080932_20200929T081801_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_20200929T094909_20200929T095647_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_20200929T112820_20200929T113341_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_20200929T122343_20200929T122554_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20200929T130716_20200929T131123_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_20200929T131123_20200929T131421_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_20200929T144538_20200929T145044_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_20200929T162231_20200929T163107_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_20200929T180154_20200929T180957_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_20200929T181849_20200929T182036_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_20200929T193941_20200929T194719_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_20200929T194719_20200929T194847_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_20200929T211930_20200929T212618_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_20200929T212618_20200929T212954_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_20200929T225849_20200929T230507_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_20200929T230507_20200929T230618_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_20200929T232838_20200929T233052_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (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:

0

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.

De CPFL SR 079N 2 2000007700000 200000770000 COID CPFL SR 079N 2 2000007700000 COID CPFL SR 079N 2 200000770000 COID CPFL SR 079N 2 20000077000	Product	Test Failed	Description
CO. OFFEL SIR. GOPN 2, 2000009710405, 2001 CO. OFFEL SIR. GOPN 3, 2000009710400, 2001 CO. OFFEL SIR. GOPN 3, 2000009710400, 2001 CO. OFFEL SIR. GOPN 3, 2000009710404, 2001 CO. OFFEL SIR. GOPN 3, 2000009710400, 2001 CO. OFFEL SIR. GOPN 3,		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
Col. Col. Sept. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col. Col.	CS_OFFL_SIR_GOPM_2_20200929T003536_20200929T003634_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Established Cash Cash Carling Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash Cash	CS_OFFL_SIR_GOPM_2_20200929T004238_20200929T004525_C001		
Des Allerte Rage and Exchange Coulde, COCO Allerte Rage SARA, 2014 Des Allerte Rage SA	CS_OFFL_SIR_GOPM_2_20200929T004539_20200929T005009_C001		
Del CHIL, SER, GOPM, 2, 1000000110401, 20000009101400, CODID CRI, OFFL, SER, GOPM, 2, 2000000110401, 2000009101400, CODID CRIS, OFFL, SER, GOPM, 2, 20000001104107, CODID CRIS, OFFL, SER, GOPM, 2, 20000001104017, CODID CRIS, OFFL,	CS_OFFL_SIR_GOPM_2_20200929T005312_20200929T010657_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SRI_COPM_2_202000297104409_2001 Some Allimeter Range, SSHA_SWH and Backsoutier Quality Rage and Exchange and Exch	CS_OFFL_SIR_GOPM_2_20200929T010836_20200929T011007_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_OFFM_2_70000097104035_20000097104013_C001 Social Alternative Rarge, SSIA_SWI and Backscaller Quality Flags have been self bordown or not now records. CS_OFFL_SIR_OFFM_2_7000009710403_20000097104013_C001 Social Alternative Rarge, SSIA_SWI and Backscaller Quality Flags have been self bordown or not now records. CS_OFFL_SIR_OFFM_2_7000009710403_20000097105019_C001 Social Alternative Rarge, SSIA_SWI and Backscaller Quality Flags have been self bordown or not now records. CS_OFFL_SIR_OFFM_2_7000009710403_20000097105019_C001 Social Alternative Rarge, SSIA_SWI and Backscaller Quality Flags have been self bordown or not now records. CS_OFFL_SIR_OFFM_2_70000097103074_7000097103098_C001 Social Alternative Rarge, SSIA_SWI and Backscaller Quality Flags have been self bordown or not now records. CS_OFFL_SIR_OFFM_2_70000097103074_7000097103098_C001 Social Alternative Rarge, SSIA_SWI and Backscaller Quality Flags have been self bordown or now records. CS_OFFL_SIR_OFFM_2_70000097103074_7000097103098_C001 Social Alternative Rarge, SSIA_SWI and Backscaller Quality Flags have been self bordown or now records. CS_OFFL_SIR_OFFM_2_70000097103074_7000097103098_C001 SOCIAL SIR_OFFM_2_70000097103098_7000097103098_C001 SOCIAL SIR_OFFM_2_70000097103098_7000097103098_C001 SOCIAL SIR_OFFM_2_70000097103098_7000097103098_C001 SOCIAL SIR_OFFM_2_70000097104098_7000097103098_C001 SOCIAL SIR_OFFM_2_70000097104098_7000097103098_C001 SOCIAL SIR_OFFM_2_70000097104098_7000097103098_C001 SOCIAL SIR_OFFM_2_70000097104098_7000097104098_C001 SOCIAL SIR_OFFM_2_70000097104098_7000097104099_C0010998_C001 SOCIAL SIR_OFFM_2_70000097104098_7000097104099_C0010998_C001 SOCIAL SIR_OFFM_2_70000097104099_7000097104099_C0010998_C001 SOCIAL SIR_OFFM_2_70000097104099_7000097104099_C0010998_C001 SOCIAL SIR_OFFM_2_70000097104099_7000097104099_C0010998_C001 SOCIAL SIR_OFFM_2_70000097104099_7000097104099_C0010998_C001 SOCIAL SIR_OFFM_2_70000097104099_7000097104099_C0010998_C001 SOCIAL SIR_OFFM_2_70000097104099_7000097104099_C00109	CS_OFFL_SIR_GOPM_2_20200929T014056_20200929T014107_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS OFFL_SR_QOPM_Z_20200029T01503_2020029T016168_CO1 CS_QFFL_SR_QOPM_Z_20200029T01503_2020029T016168_CO1 CS_QFFL_SR_QOPM_Z_20200029T020703_20200029T0201629T020164_CO1 CS_QFFL_SR_QOPM_Z_20200029T020703_20200029T0201629T020164_CO1 CS_QFFL_SR_QOPM_Z_20200029T020703_20200029T020908_CO1 CS_QFFL_SR_QOPM_Z_20200029T020908_CO100308_CO100308_CO100308_CO100308_CO100308_CO100308_C	CS_OFFL_SIR_GOPM_2_20200929T014147_20200929T014406_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality Coop Alternoter Range and Backscatter Quality Flags have been active Coop Alternoter Range and Backscatter Quality Flags have been active Coop Alternoter Range and Backscatter Quality Flags have been set for one of more according Coop Alternoter Range and Backscatter Quality Flags have been set for one of more according Coop Alternoter Range and Backscatter Quality Flags have been set for one of more according Coop Alternoter Range and Backscatter Quality Flags have been set for one of more according Coop Alternoter Range and Backscatter Quality Flags have been set for one of more according Coop Alternoter Range and Backscatter Quality Flags and its COOP Alternoter Range and Backscatter Quality Flags and its COOP Alternoter Range and Backscatter Quality Flags and its COOP Alternoter Range and Backscatter Quality Flags and its COOP Alternoter Range and Backscatter Quality Flags and its COOP Alternoter Range SNHA, SWH and Backscatter Quality Flags Alternoter Range Alternoter Range SNHA, SWH and Backscatter Quality Flags Alternoter Range Alternoter Range Alternoter Range Alternoter Range SNHA, SWH and Backscatter Quality Flags Alternoter Range Alternote	CS_OFFL_SIR_GOPM_2_20200929T014529_20200929T015119_C001	3	
Backscatter Quality From one or more records. Geophia, SIR_GOPM_2_20200020102251_20200220102655_0001 Geophia R. Gophia R. 202000201030724_202000201000068_0001 Geophia R. Gophia R. 202000201030724_202000201000068_0001 Geophia R. Gophia R. 202000201000724_202000201000068_0001 Geophia R. Gophia R. 20200020100006_200002201000068_0001 Geophia R. Gophia R. 20200020100006_20000220100006_20000000000	CS_OFFL_SIR_GOPM_2_20200929T015403_20200929T021648_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Allmeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200929T040006_20200929T040135_CO01 CS_OFFL_SIR_GOPM_2_20200929T040006_20200929T040135_CO01 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040135_CO01 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040137_CO01 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040137_CO01 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T04037_CO01 CS_OFFL_SIR_GOPM_2_20200929T04033_20200929T04000_C001 CS_OFFL_SIR_GOPM_2_20200929T04033_20200929T04000_C001 CS_OFFL_SIR_GOPM_2_20200929T04033_20200929T04000_C001 CS_OFFL_SIR_GOPM_2_20200929T04033_20200929T04000_C001 CS_OFFL_SIR_GOPM_2_20200929T04033_20200929T04000_C001 CS_OFFL_SIR_GOPM_2_20200929T04033_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T054207_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T054207_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T054207_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T054207_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T054207_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T054000_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T054000_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T054000_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T054000_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T054000_20200929T054000_20200929T074742_C001 CS_OFFL_SIR_GOPM_2_20200929T054000_20200929T074742_C001 CS_OFFL_SIR_GOPM_2_20200929T054000_20200929T074742_C001 CS_OFFL_SIR_GOPM_2_20200929T054000_20200929T074742_C001 CS_OFFL_SIR_GOPM_2_20200929T064000_20200929T074742_C001 CS_OF	CS_OFFL_SIR_GOPM_2_20200929T022039_20200929T022914_C001		
CS_OFFL_SIR_GOPM_2_20209929T030724_20209929T030565_C001 All mark Brange and Backscatter Cuality, COCG All mark Frange, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20209929T040006_20209929T040135_C001 CS_OFFL_SIR_GOPM_2_20209929T040006_20209929T040135_C001 CS_OFFL_SIR_GOPM_2_20209929T040025_20209929T040135_C001 CS_OFFL_SIR_GOPM_2_20209929T040253_20209929T040174_C001 CS_OFFL_SIR_GOPM_2_20209929T040253_20209929T040712_C001 CS_OFFL_SIR_GOPM_2_20209929T040253_20209929T040712_C001 CS_OFFL_SIR_GOPM_2_20209929T040253_20209929T040737_C001 CS_OFFL_SIR_GOPM_2_20200929T040253_20209929T040737_C001 CS_OFFL_SIR_GOPM_2_20200929T040253_20209929T040737_C001 CS_OFFL_SIR_GOPM_2_20200929T04030_20200929T04000_C001 CS_OFFL_SIR_GOPM_2_20200929T04030_20200929T04000_C001 CS_OFFL_SIR_GOPM_2_20200929T04030_20200929T04000_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T050407_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T054007_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T054007_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T056259_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T056259_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T056259_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T056259_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T056259_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T056259_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T056259_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T056534_C001 CS_OFFL_SIR_GOPM_2_20200929T066593_20200929T076264_C001 CS_OFFL_SIR_GOPM_2_20200929T066593_20200929T076264_C001 CS_OFFL_SIR_GOPM_2_20200929T0762659_20200929T076264_C001 CS_OFFL_SIR_GOPM_2_20200929T0762659_20200	CS_OFFL_SIR_GOPM_2_20200929T023257_20200929T025655_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 or one or more records. CS_OFFL_SIR_GOPM_2_20200929T04006_20200929T040712_C001 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040712_C001 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040712_C001 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040712_C001 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040712_C001 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040772_C001 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040772_C001 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040772_C001 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040772_C001 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040772_C001 CS_OFFL_SIR_GOPM_2_20200929T040433_0_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T054072_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T054053_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T054053_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T07342_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T07307_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T07307_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T07307_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T07473	CS_OFFL_SIR_GOPM_2_20200929T030724_20200929T030958_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040712_C001 CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040071_C001 CS_OFFL_SIR_GOPM_2_20200929T04037_C001 CS_OFFL_SIR_GOPM_2_20200929T04033_20200929T04007_C001 CS_OFFL_SIR_GOPM_2_20200929T04033_20200929T04007_C001 CS_OFFL_SIR_GOPM_2_20200929T04033_20200929T04000_C001 CS_OFFL_SIR_GOPM_2_20200929T04033_20200929T04000_C001 CS_OFFL_SIR_GOPM_2_20200929T04033_20200929T04000_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T055354_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T05534_C001 CS_OFFL_SIR_GOPM_2_20200929T0503532_C001 CS_OFFL_SIR_GOPM_2_20200929T0503534_C001 CS_OFFL_SIR_GOPM_2_20200929T0503534_C001 CS_OFFL_SIR_GOPM_2_20200929T0503534_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T07342_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T07342_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T07342_C001 CS_OFFL_SIR_GOPM_2_20200929T07413_2000029T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_2020	CS_OFFL_SIR_GOPM_2_20200929T032858_20200929T035610_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20200929T041221_20200929T044037_C001 CS_OFFL_SIR_GOPM_2_20200929T041221_20200929T044037_C001 CS_OFFL_SIR_GOPM_2_20200929T04330_20200929T045000_C001 CS_OFFL_SIR_GOPM_2_20200929T04330_20200929T045000_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T045000_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T05123_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T05123_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T05123_20200929T055534_C001 CS_OFFL_SIR_GOPM_2_20200929T0505123_20200929T052647_C001 CS_OFFL_SIR_GOPM_2_20200929T0505123_20200929T052647_C001 CS_OFFL_SIR_GOPM_2_20200929T062659_20200929T062647_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T072624_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T0772742_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T072727_20200929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T072713_20200929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T072713_20200929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T072000929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T072000929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T072000929T0772745_C001 CS_OFFL_SIR_GOPM_2_20200929T073027_20200929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T072000929T073027_20200929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T0700001_20200929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T0700001_20200929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T0700001_20200929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T0700001_20200929T0772744_C001 CS_OFFL_SIR_GOPM_2_20200929T0700001_20200929T0772744_C001 CS_OFFL_SIR_GOPM_2_2	CS_OFFL_SIR_GOPM_2_20200929T040006_20200929T040135_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Set for one or more records. CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T054207_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T054207_20200929T05534_C001 CS_OFFL_SIR_GOPM_2_20200929T055123_20200929T05534_C001 CS_OFFL_SIR_GOPM_2_20200929T062659_20200929T062847_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T072624_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T072624_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T0772624_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T0773624_C001 CS_OFFL_SIR_GOPM_2_20200929T07207_20200929T077342_C001 CS_OFFL_SIR_GOPM	CS_OFFL_SIR_GOPM_2_20200929T040253_20200929T040712_C001		
CS_OFFL_SIR_GOPM_2_20200929T044330_20200929T045000_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001 CS_OFFL_SIR_GOPM_2_20200929T054207_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T054207_20200929T05534_C001 CS_OFFL_SIR_GOPM_2_20200929T055123_20200929T05534_C001 CS_OFFL_SIR_GOPM_2_20200929T062659_20200929T062847_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T072624_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T0772624_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T0773207_20200929T0773327_	CS_OFFL_SIR_GOPM_2_20200929T041221_20200929T044037_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200929T054207_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T054207_20200929T054752_C001 CS_OFFL_SIR_GOPM_2_20200929T055123_20200929T05534_C001 CS_OFFL_SIR_GOPM_2_20200929T055123_20200929T05534_C001 CS_OFFL_SIR_GOPM_2_20200929T062659_20200929T062847_C001 CS_OFFL_SIR_GOPM_2_20200929T062659_20200929T062847_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T072624_C001 CS_OFFL_SIR_GOPM_2_20200929T073207_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T07600929T074734_C001 CCOMPAITMENT Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCOMPAITMENT Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCOMPAITMENT RANGE SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCOMPAITMENT RANGE SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCOMPAITMENT RANGE AND	CS_OFFL_SIR_GOPM_2_20200929T044330_20200929T045000_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Cs_OFFL_SIR_GOPM_2_20200929T055123_20200929T055534_C001 Cs_OFFL_SIR_GOPM_2_20200929T055123_20200929T05534_C001 Cs_OFFL_SIR_GOPM_2_20200929T062659_20200929T062847_C001 Cs_OFFL_SIR_GOPM_2_20200929T062659_20200929T062847_C001 Cs_OFFL_SIR_GOPM_2_20200929T062659_20200929T062847_C001 Cs_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001 Cs_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001 Cs_OFFL_SIR_GOPM_2_20200929T071342_C001 Cs_OFFL_SIR_GOPM_2_20200929T072113_20200929T072624_C001 Cs_OFFL_SIR_GOPM_2_20200929T072113_20200929T074734_C001 Cs_OFFL_SIR_GOPM_2_20200929T073207_20200929T074734_C001 Ccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20200929T050348_20200929T053351_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T072624_C001 CS_OFFL_SIR_GOPM_2_20200929T073207_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T073207_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T073207_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T080601_20200929T080738_C001 CS_OFFL_SIR_GOPM_2_20200929T080601_20200929T080738_C001 Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Fla	CS_OFFL_SIR_GOPM_2_20200929T054207_20200929T054752_C001		
CS_OFFL_SIR_GOPM_2_20200929T062659_20200929T062847_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T072624_C001 CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T072624_C001 CS_OFFL_SIR_GOPM_2_20200929T0721072072020929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T073207_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T073207_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T080601_20200929T080738_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20200929T055123_20200929T055534_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T072624_C001 CS_OFFL_SIR_GOPM_2_20200929T073207_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T073207_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T073207_20200929T074734_C001 CS_OFFL_SIR_GOPM_2_20200929T080601_20200929T080738_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Back	CS_OFFL_SIR_GOPM_2_20200929T062659_20200929T062847_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and	CS_OFFL_SIR_GOPM_2_20200929T064053_20200929T071342_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200929T073207_20200929T074734_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags an	CS_OFFL_SIR_GOPM_2_20200929T072113_20200929T072624_C001		
CS_OFFL_SIR_GOPM_2_20200929T080601_20200929T080738_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20200929T073207_20200929T074734_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20200929T080601_20200929T080738_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20200929T081801_20200929T084807_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_20200929T084818_20200929T085304_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_20200929T085926_20200929T090113_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_20200929T090120_20200929T090532_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_20200929T091044_20200929T093554_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_20200929T093632_20200929T094310_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_20200929T094310_20200929T094441_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_20200929T095647_20200929T101543_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_20200929T102215_20200929T102610_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_20200929T102649_20200929T103219_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_20200929T104032_20200929T104247_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_20200929T105120_20200929T110224_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_20200929T110505_20200929T112152_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_20200929T112617_20200929T112704_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_20200929T114339_20200929T115244_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_20200929T115740_20200929T121117_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_20200929T121418_20200929T121912_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_20200929T122818_20200929T123244_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_20200929T124535_20200929T125813_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_20200929T133609_20200929T134959_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_20200929T140621_20200929T142800_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_20200929T142802_20200929T143142_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_20200929T143413_20200929T143933_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_20200929T150515_20200929T152533_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_20200929T152613_20200929T152900_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_20200929T153354_20200929T153742_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_20200929T153803_20200929T154128_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_20200929T154506_20200929T161126_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_20200929T163142_20200929T164317_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_20200929T164319_20200929T170835_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_20200929T171207_20200929T171656_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_20200929T171703_20200929T172032_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_20200929T172519_20200929T175832_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_20200929T180957_20200929T181405_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_20200929T184335_20200929T184512_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_20200929T185202_20200929T185726_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_20200929T190446_20200929T192531_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_20200929T192817_20200929T193940_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_20200929T194949_20200929T195311_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_20200929T200933_20200929T202604_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_20200929T204325_20200929T211930_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_20200929T212955_20200929T213053_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_20200929T214053_20200929T220405_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_20200929T222334_20200929T223810_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_20200929T224435_20200929T225302_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_20200929T230739_20200929T231032_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_20200929T231207_20200929T232838_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_20200929T233052_20200929T234513_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_20200929T235529_20200929T235946_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200929T035832_20200929T040006_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200929T061733_20200929T061834_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200929T140021_20200929T140348_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_GOPR_2_20200929T003522_20200929T003536_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20200929T130716_20200929T131123_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20200929T145124_20200929T145310_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20200929T170835_20200929T171043_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20200929T172210_20200929T172519_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20200929T202604_20200929T203013_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.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20200929T000001_20200929T000240_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_20200929T002124_20200929T002227_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_20200929T002332_20200929T002352_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_20200929T003448_20200929T003522_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_20200929T003634_20200929T004238_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_20200929T013613_20200929T013832_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_20200929T013918_20200929T014056_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_20200929T014407_20200929T014529_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_20200929T015241_20200929T015403_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_20200929T022914_20200929T023057_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_20200929T025655_20200929T025920_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_20200929T030530_20200929T030652_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_20200929T031544_20200929T032027_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_20200929T032115_20200929T032237_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_20200929T032654_20200929T032838_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_20200929T035832_20200929T040006_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_20200929T040136_20200929T040253_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_20200929T040712_20200929T040957_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_20200929T060618_20200929T060816_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_20200929T060857_20200929T061011_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_20200929T062359_20200929T062521_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_20200929T063723_20200929T063840_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_20200929T063922_20200929T064053_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_20200929T072625_20200929T072744_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_20200929T074735_20200929T074951_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_20200929T085515_20200929T085926_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_20200929T090533_20200929T090643_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_20200929T094748_20200929T094909_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_20200929T114125_20200929T114339_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_20200929T123950_20200929T124515_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_20200929T130248_20200929T130716_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_20200929T135200_20200929T135352_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_20200929T135858_20200929T135904_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_20200929T140021_20200929T140348_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_20200929T143934_20200929T144057_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_20200929T145044_20200929T145124_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_20200929T150032_20200929T150214_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_20200929T154129_20200929T154310_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_20200929T171043_20200929T171207_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_20200929T172032_20200929T172209_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_20200929T175833_20200929T175952_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_20200929T180032_20200929T180154_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_20200929T185038_20200929T185201_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_20200929T185727_20200929T190039_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_20200929T195312_20200929T195500_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_20200929T195648_20200929T195716_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_20200929T195807_20200929T195906_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_20200929T200625_20200929T200933_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_20200929T221103_20200929T221338_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_20200929T221532_20200929T222157_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_20200929T231032_20200929T231207_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_20200929T234619_20200929T234800_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_20200929T234810_20200929T235233_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_20200929T001913_20200929T002124_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_20200929T003055_20200929T003448_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_20200929T005152_20200929T005312_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_20200929T011008_20200929T011324_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_20200929T011324_20200929T011547_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_20200929T012952_20200929T013136_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_20200929T023058_20200929T023257_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_20200929T035611_20200929T035831_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_20200929T040957_20200929T041221_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_20200929T045001_20200929T045626_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_20200929T054910_20200929T055123_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_20200929T061834_20200929T061926_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_20200929T062935_20200929T063723_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_20200929T063840_20200929T063921_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_20200929T071343_20200929T071757_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_20200929T072744_20200929T073206_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_20200929T080022_20200929T080106_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_20200929T080106_20200929T080601_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_20200929T080932_20200929T081801_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_20200929T085304_20200929T085515_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_20200929T090644_20200929T091044_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_20200929T094909_20200929T095647_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_20200929T104433_20200929T105120_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_20200929T110347_20200929T110505_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_20200929T112820_20200929T113341_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_20200929T113412_20200929T113550_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_20200929T122343_20200929T122554_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_20200929T123244_20200929T123329_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_20200929T130716_20200929T131123_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_20200929T131123_20200929T131421_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_20200929T132756_20200929T133220_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_20200929T133223_20200929T133609_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_20200929T134959_20200929T135200_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_20200929T140349_20200929T140621_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_20200929T143142_20200929T143413_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_20200929T144538_20200929T145044_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_20200929T145124_20200929T145310_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_20200929T152900_20200929T153127_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_20200929T154310_20200929T154506_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_20200929T162231_20200929T163107_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_20200929T172210_20200929T172519_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_20200929T180154_20200929T180957_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_20200929T181406_20200929T181509_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_20200929T181849_20200929T182036_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_20200929T184512_20200929T185037_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_20200929T190039_20200929T190445_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_20200929T194719_20200929T194847_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_20200929T195500_20200929T195641_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_20200929T203947_20200929T204325_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_20200929T211930_20200929T212618_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_20200929T212618_20200929T212954_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_20200929T220405_20200929T221103_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_20200929T2222158_20200929T222334_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_20200929T225849_20200929T230507_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_20200929T230507_20200929T230618_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: 18

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: 14

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

Number of products with errors:

29

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20200928T235514_20200929T004449_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20200929T004449_20200929T013429_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_20200929T013429_20200929T022404_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_20200929T022404_20200929T031343_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_20200929T031343_20200929T040319_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_20200929T040319_20200929T045258_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_20200929T045258_20200929T054234_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_20200929T054234_20200929T063213_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_20200929T063213_20200929T072148_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_20200929T072148_20200929T081127_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_20200929T081127_20200929T090103_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_20200929T090103_20200929T095042_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20200929T095042_20200929T104017_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_20200929T104017_20200929T112957_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20200929T112957_20200929T121932_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_20200929T121932_20200929T130911_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_20200929T130911_20200929T135847_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_20200929T135847_20200929T144826_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_20200929T144826_20200929T153802_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_20200929T153802_20200929T162741_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_20200929T162741_20200929T171716_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_20200929T171716_20200929T180655_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_20200929T180655_20200929T185631_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_20200929T185631_20200929T194610_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_20200929T194610_20200929T203546_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_20200929T203546_20200929T212525_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_220200929T212525_20200929T221500_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_20200929T221500_20200929T230439_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 20200929T230439 20200929T235415 C002

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

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

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

0

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors:

30

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors:

29

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

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

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

Number of products with errors:

P2P Retracking Flags PLRM

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

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

Number of products with errors: 2

7. GOP QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	148	148	1	147	0
SIR_GOPR1B	106	106	0	106	0
SIR_GOPN1B	102	102	2	100	0
SIR_GOPM_2	148	148	94	54	0
SIR_GOPR_2	106	106	28	78	0
SIR_GOPN_2	102	102	35	67	0
SIR GOP P2P	29	29	0	29	0

7.1 QCC Errors

Number of QCC reports with errors:

0

7.2 QCC Warnings

Number of QCC reports with warnings

2298

Total number of occurrences of each warning

	Total number of occurrences of each warning							
Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF	
SIR_GOPM1B	147	0	0	0	0	0	0	
SIR_GOPM_2	0	44	42	0	44	0	38	
SIR_GOPN1B	98	0	0	0	0	0	0	
SIR_GOPN_2	0	13	37	6	28	31	21	
SIR_GOPR1B	103	0	0	0	0	0	0	
SIR_GOPR_2	0	37	41	0	40	38	25	

Product Type	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	38	0	0	0	0	30	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	31	0	39	0	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	0	49	0	55	0	0	47

Product Type	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	8	30	0	5	39	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	34	18	55	57	33	36	38
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	0	3	67	41	14	35	52

	Product Type	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	•
ſ	SIR_GOPM1B	0	0	0	0	1	
	SIR_GOPM_2	5	0	0	0	0	
	SIR_GOPN1B	0	0	0	48	2	
	SIR_GOPN_2	21	1	2	0	0	

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-	-
SIR_GOP_2_	29	19	18	29			
	I .	1		<u> </u>	l	1	
Test Description Key:							
Abbreviation	Test name			Details			
BCSHNCDF	BurstCounterStep20HzNet0	CDF		The burst counter should be	one higher with regard to th	e previous burst counter	
MVIOEPFDNCDF	MissingValueIntOceanExcli	udingPolarFD2NetCDF		The value should not be a 'r	missing value' for surface typ	e 0 only for latitudes betwee	n -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcl	udingPolarNetCDF		The value should not be a 'r	nissing value' for surface typ	e 0 only for latitudes betwee	n -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetO	CDF		The value should not be a 'r	nissing value' for surface typ	e 0 only	
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZe	eroOPOceanExcludingPolarFl	D2NetCDF	The backscatter sigma zero between -70 and 70 degrees	should be between 700 and	7500 (or missing) for surfac	e type = ocean for latitudes
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZe	eroOPOceanExcludingPolarFl	D2PLRMNetCDF	The backscatter sigma zero between -70 and 70 degrees	should be between 700 and s	7500 (or missing) for surfac	e type = ocean for latitudes
RBSZOPOEPNCDF	RangeBackscatterSigmaZe	eroOPOceanExcludingPolarN	etCDF	The backscatter sigma zero between -70 and 70 degrees	should be between 700 and s	7500 (or missing) for surfac	e type = ocean for latitudes
RPEPOPFDLRMNCDF	RangePeakinessExcludingl	PolarOPFD2LRMNetCDF		The Peakiness should be be and 70 degrees	etween 0 and 6400 (or missir	ng) for surface type = ocean	for latitudes between -70
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingl	PolarOPFD2PLRMSARNetCI	DF	The Peakiness should be be and 70 degrees	etween 0 and 15000 (or miss	sing) for surface type = ocean	n for latitudes between -70
	RangePeakinessExcludingl	PolarOPFD2PLRMSINNetCD	F	The Peakiness should be be and 70 degrees	etween 0 and 90000 (or miss	sing) for surface type = ocean	n for latitudes between -70
RPEPOPFDSARNCDF	RangePeakinessExcludingl	PolarOPFD2SARNetCDF			etween 0 and 15000 (or miss	sing) for surface type = ocean	n for latitudes between -70
RPEPOPFDSINNCDF	RangePeakinessExcludingl	PolarOPFD2SINNetCDF		The Peakiness should be be and 70 degrees	etween 0 and 90000 (or miss	sing) for surface type = ocean	n for latitudes between -70
RPEPOPLRMNCDF	RangePeakinessExcludingl	PolarOPLRMNetCDF		The Peakiness should be be and 70 degrees	etween 0 and 6400 (or missir	ng) for surface type = ocean	for latitudes between -70
RPEPOPSARNCDF	RangePeakinessExcludingl	PolarOPSARNetCDF		The Peakiness should be be and 70 degrees	etween 0 and 15000 (or miss	sing) for surface type = ocea	n for latitudes between -70
RPEPOPSINNCDF	RangePeakinessExcludingl	PolarOPSINNetCDF		The Peakiness should be be and 70 degrees	etween 0 and 90000 (or miss	sing) for surface type = ocea	n for latitudes between -70
RSSBCONCDF	RangeSeaStateBiasCorrec	tionOceanNetCDF		The sea state bias correctio	n should be between -500mr	m and 0mm (or missing) for	surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAr	nomalyOceanFD3NetCDF		The sea surface height anor ocean	maly should be between -300	00mm and 3000mm (or miss	ing) for surface type =
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAr	nomalyOceanFD3PLRMNetC	DF	The sea surface height anor ocean	maly should be between -300	00mm and 3000mm (or miss	ing) for surface type =
RSSHAONCDF	RangeSeaSurfaceHeightAr	nomalyOceanNetCDF		The sea surface height anor ocean	maly should be between -300	00mm and 3000mm (or miss	ing) for surface type =
RSWHOEPFDNCDF	RangeSignificantWaveHeig	htOceanExcludingPolarFD2N	NetCDF	The significant wave height latitudes between -70 and 7	should be between 0mm and 0 degrees	d 15000mm (or missing) for	surface type = ocean for
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeig	htOceanExcludingPolarFD2F	PLRMNetCDF	The significant wave height latitudes between -70 and 7	should be between 0mm and 0 degrees	d 15000mm (or missing) for	surface type = ocean for
RSWHOEPNCDF	RangeSignificantWaveHeig	htOceanExcludingPolarNetC	DF	The significant wave height latitudes between -70 and 7	should be between 0mm and 0 degrees	d 15000mm (or missing) for	surface type = ocean for
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node	e_Stop_v2_NetCDF		Rel_Time_ASC_Node_Stop			
SOOHHIFHD	SameOrOneHigher1HzInde	exFor20HzData		The 1 Hz index of a 20 Hz s	ample should be the same o	or 1 higher than its previous s	sample
SCSTODHRNCDF	SequenceCounterStepTOD	HRNetCDF		The sequence counter shou	lld be modulo 4 higher with re	egard to the previous seque	nce counter

106 0

19

MVIONCDF

RSSBCONCDF

RBSZOPOEPFDNCDF

RSSHAOFDNCDF

17

19

29

29

RBSZOPOEPFDPLRMNCE RBSZOPOEPNCDF

RSSHAOFDPLRMNCDF RSSHAONCDF

27

MVIOEPNCDF

RPEPOPSINNCDF

29

25

7.3 Missing QCC Reports

SCSTODNCDF

Product name

SIR_GOPR1B SIR_GOPR_2

Product Type SIR_GOP_2_

Product Type SIR_GOP_2_

IOHHMOOR

17

17

MVIOEPFDNCDF

29

29

RPEPOPFDPLRMSINNCD RPEPOPFDSINNCDF

Number of products with missing QCC reports:

SequenceCounterStepTODNetCDF

Product name
CS_OFFL_SIR_GOP_2__20200929T230439_20200929T235415_C002

The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter