

1. Overview

Report Production:	01-Jun-2023
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

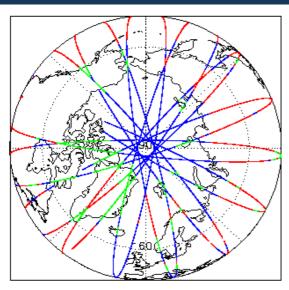
We would love to hear from you!

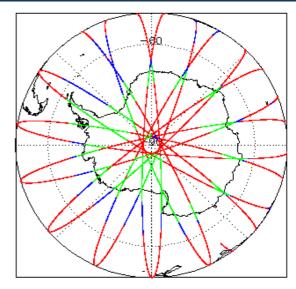
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

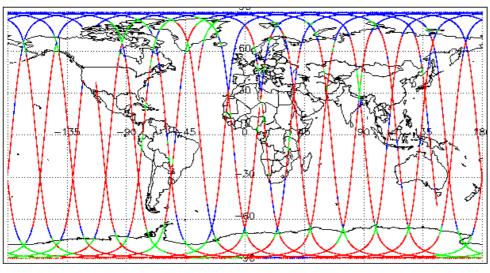
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary 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 7.1, 7.2 and 7.3	See Section 7.1, 7.2 and 7.3

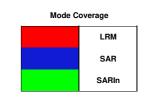
Mission / Instr	ument News
29-Apr-2023	None
30-Apr-2023	None
01-May-2023	Nothing planned

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 NetCDF product file (.nc).

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

Λ

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:

16

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20230430T124018_20230430T125555_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230430T093926_20230430T094335_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230430T120519_20230430T120657_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230430T144350_20230430T144833_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230430T162506_20230430T162656_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230430T203257_20230430T203317_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20230430T235002_20230430T235429_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230430T084433_20230430T084612_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230430T085140_20230430T090051_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230430T121143_20230430T121725_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230430T123827_20230430T124018_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230430T134800_20230430T134845_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230430T170740_20230430T171736_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20230430T204159_20230430T204536_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 NetCDF product file (.nc).

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

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

Number of products with errors:

50

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20230430T070110_20230430T070216_C001	IMean Dynamic Longgraphy (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20230430T132849_20230430T134031_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records

CC OFFI, CIP, CODM, 0, 00000400T40040C 00000400T400040, C004	Mana Dynamia Tananyashu (1)	There is an error with the Mean Dynamic Topography (solution 1) for one
CS_OFFL_SIR_GOPM_2_20230430T190126_20230430T190213_C001	Mean Dynamic Topography (1)	or more records
CS_OFFL_SIR_GOPM_2_20230430T190248_20230430T190258_C001	Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	There is an error with the Mean Dynamic Topography (solution 1) for one or more records There is an error with the MSS height (solution 1), the Mean Dynamic
CS_OFFL_SIR_GOPN_2_20230430T004020_20230430T004142_C001	Topography (1), Total Geocentric Ocean Tide (GOT)	Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20230430T012041_20230430T012634_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_20230430T021444_20230430T021548_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_20230430T021949_20230430T022201_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_20230430T030239_20230430T030423_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_20230430T031300_20230430T031500_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_20230430T035903_20230430T040352_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_20230430T062314_20230430T062543_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), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20230430T080138_20230430T080451_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_20230430T084612_20230430T084739_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20230430T093926_20230430T094335_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_20230430T094907_20230430T095032_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_20230430T102846_20230430T103245_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20230430T112702_20230430T112844_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_20230430T121048_20230430T121143_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_20230430T130455_20230430T130711_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_20230430T134845_20230430T135058_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20230430T143511_20230430T143703_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_20230430T144350_20230430T144833_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_20230430T152528_20230430T152923_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_20230430T161517_20230430T161748_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_20230430T162506_20230430T162656_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_20230430T175400_20230430T175532_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_20230430T193418_20230430T193531_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_20230430T194311_20230430T194426_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_20230430T211332_20230430T211455_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_20230430T212005_20230430T212313_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), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20230430T225418_20230430T225704_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_20230430T225909_20230430T230435_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_20230430T235002_20230430T235429_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_20230430T003319_20230430T003907_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), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPR_2_20230430T003907_20230430T004020_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_20230430T021548_20230430T021641_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_20230430T021641_20230430T021948_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_20230430T035214_20230430T035902_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_20230430T053407_20230430T053929_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_20230430T070216_20230430T070413_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_20230430T071315_20230430T072110_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_20230430T085141_20230430T090051_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_20230430T103246_20230430T103618_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_20230430T103618_20230430T104002_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_20230430T121143_20230430T121725_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_20230430T121739_20230430T121908_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_20230430T135058_20230430T135747_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_20230430T152218_20230430T152445_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), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPR_2_20230430T152923_20230430T153442_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_20230430T170740_20230430T171736_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_20230430T184515_20230430T185253_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_20230430T190259_20230430T190358_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_20230430T202308_20230430T203057_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_20230430T203057_20230430T203222_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20230429T235634_20230430T000300_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20230430T000922_20230430T001230_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20230430T001842_20230430T002544_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

Open	CS_OFFL_SIR_GOPM_2_20230430T004721_20230430T005303_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
Col. DPTL_SRID_COPML_280204987110406_2802940704306_0031	CS_OFFL_SIR_GOPM_2_20230430T005426_20230430T010246_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Resident Castly CBC CRFF. SRF. COPM 2 20006437111449- 20234407111501 COD CBC CRFF. SRF. COPM 2 2000643711449- 2023440711001 COD CBC CRFF. SRF. COPM 2 2000643711449- 20234407110010 COD CBC CRFF. SRF. COPM 2 2000643711449- 20234407110010 COD CBC CRFF. SRF. COPM 2 2000643711449- 20234407110010 COD CBC CRFF. SRF. COPM 2 200064371149- 20234407110000 COD CBC CRFF	CS_OFFL_SIR_GOPM_2_20230430T010906_20230430T012041_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DRIGHT SIR GOPPL 2 00004007015540 20004007014540 (20004007014550) DRIGHT PRINTED REPORT OF THE PRINTED REPORT	CS_OFFL_SIR_GOPM_2_20230430T012928_20230430T013350_C001		
DEL CIFEL SIR SOPM 2 20239401703794 (202040170429) COOL All review Final and Education Country Final Plant Processing Country Country Final Plant Processing Final Plant Processing Countr	CS_OFFL_SIR_GOPM_2_20230430T013540_20230430T014236_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SR_GOPM_2_20204307102014_C001 CS_OFFL_SR_GOPM_2_20204307102014_C001 CS_OFFL_SR_GOPM_2_20204307102014_C001 CS_OFFL_SR_GOPM_2_20204307102014_C001 CS_OFFL_SR_GOPM_2_20204307102014_C00204_C001 CS_OFFL_SR_GOPM_2_20204307102014_C0010 CS_OFFL_SR_GOPM_2_20204307102015_C0010 CS_OFFL_SR_GOPM_2_202043071045012_C0204407102015_C001 CS_OFFL_SR_GOPM_2_20204307104502_C0204407104015_C0010 CS_OFFL_SR_GOPM_2_20204307104502_C0204407104015_C0010 CS_OFFL_SR_GOPM_2_20204307104015_C0010 CS_OFFL_SR_GOPM_2_20204307104016_C0010	CS_OFFL_SIR_GOPM_2_20230430T014348_20230430T015031_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Description Figure 2 (2014) Selection (Castly) CS_OFF_SIR_OPM_2_7023430102699_2023430102691 (2001) CS_OFF_SIR_OPM_2_7023430102699_2023430102691 (2001) CS_OFF_SIR_OPM_2_7023430102690_20234301030310 (2001) CS_OFF_SIR_OPM_2_70234301004492_7023430103010 (2001) CS_OFF_SIR_OPM_2_70234301004492_7023430103010 (2001) CS_OFF_SIR_OPM_2_70234301004492_7023430104092_0001 CS_OFF_SIR_OPM_2_70234301004492_7023430104092_0001 CS_OFF_SIR_OPM_2_70234301004049_702340104092_0001 CS_OFF_SIR_OPM_2_70234301004049_70234030104092_0001 CS_OFF_SIR_OPM_2_70234301040492_7023430104092_0001 CS_OFF_SIR_OPM_2_70234301040492_7023430104092_0001 CS_OFF_SIR_OPM_2_70234301040492_7023430104092_0001 CS_OFF_SIR_OPM_2_70234301040492_7023430104092_0001 CS_OFF_SIR_OPM_2_70234301040492_7023430104092_0001 CS_OFF_SIR_OPM_2_70234301040492_7023430104092_0001 CS_OFF_SIR_OPM_2_70234301040492_7023430104092_0001 CS_OFF_SIR_OPM_2_70234301040492_7023430104092_0001 CS_OFF_SIR_OPM_2_70234301040492_7023430104092_0001 CS_OFF_SIR_OPM_2_7023430104092_0001 CS_OFF_SIR_OPM_2_7023430104094_000104092_0001 CS_OFF_SIR_OPM_2_7023430104094_000104092_0001 CS_OFF_SIR_OPM_2_7023430104094_000104092_0001 CS_OFF_SIR_OPM_2_7023430104094_000104092_0001 CS_OFF_SIR_OPM_2_7023430104094_000104092_0001 CS_OFF_SIR_OPM_2_7023430104094_000104092_0001 CS_OFF_SIR_OPM_2_7023430104094_000104092_0001 CS_OFF_SIR_OPM_2_70234	CS_OFFL_SIR_GOPM_2_20230430T015331_20230430T020657_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Sc. OFFL, SIRI, GOPM 2, 20204401702345, 20204401703257, C001 Schort Responsible Responsible Coulty Flags have been advanced to County Flags and Biodecoater Coulty Flags have been advanced to County Flags have been advanced to	CS_OFFL_SIR_GOPM_2_20230430T020721_20230430T020744_C001		
and the COGA Allimeter Range and Backscatter Quality Flags have been all formation of many and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation and the COGA Allimeter Range and Backscatter Quality Flags have been all formation	CS_OFFL_SIR_GOPM_2_20230430T022905_20230430T023217_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and flackscatter Quality, OCOS Allimeter Range and Backscatter Quality Flags have been Received Flags and Backscatter Qua	CS_OFFL_SIR_GOPM_2_20230430T023348_20230430T023614_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230430703423_202304307031300_C001 CS_OFFL_SIR_GOPM_2_20230430703423_20230430703758_C001 CS_OFFL_SIR_GOPM_2_202304307031518_20230430703758_C001 CS_OFFL_SIR_GOPM_2_202304307041704_202304307044037_C001 CS_OFFL_SIR_GOPM_2_202304307044025_202304307044037_C001 CS_OFFL_SIR_GOPM_2_202304307044025_20230430704505_001 CS_OFFL_SIR_GOPM_2_20230430704505_20230430704505_001 CS_OFFL_SIR_GOPM_2_20230430704505_20230430704505_001 CS_OFFL_SIR_GOPM_2_20230430704505_20230430704505_001 CS_OFFL_SIR_GOPM_2_202304307050506_20230430705055_001 CS_OFFL_SIR_GOPM_2_202304307050310_20230430705055_001 CS_OFFL_SIR_GOPM_2_202304307050310_20230430705055_001 CS_OFFL_SIR_GOPM_2_202304307050310_20230430705055_001 CS_OFFL_SIR_GOPM_2_202304307050310_20230430705055_001 CS_	CS_OFFL_SIR_GOPM_2_20230430T023737_20230430T024201_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
South File Sin CoPM 2 20230430T031518 20230430T033758 C001 Cosan Altimeter Range, SHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Cope Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230430T05245_20230430T063146_C001 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T063156_C001 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T063156_C001 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T063156_C001 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T063457_C001 CS_OFFL_SIR_GOPM_2_20230430T063451_20230430T063457_C001 CS_OFFL_SIR_GOPM_2_20230430T063451_20230430T063457_C001 CS_OFFL_SIR_GOPM_2_20230430T063451_20230430T063457_C001 CS_OFFL_SIR_GOPM_2_20230430T063451_20230430T06	CS_OFFL_SIR_GOPM_2_20230430T024532_20230430T030133_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COCO Altimeter Range and Backscatter Quality Flags have been after the COCO Altimeter Range and Backscatter Quality Flags have been after the COCO Altimeter Range and Backscatter Quality Flags have been after Quality Flags and the OCOCO Altimeter Range and Backscatter Quality Flags and the OCOCO Altimeter Range and Backscatter Quality Flags have been after Quality Flags and the OCOCO Altimeter Range and Backscatter Quality Flags have been set from one or more records CS_OFFL_SIR_GOPM_2_20230430T045425_20230430T04599_C001 CS_OFFL_SIR_GOPM_2_20230430T045410_20230430T04599_C001 CS_OFFL_SIR_GOPM_2_20230430T045410_20230430T051910_C001 CS_OFFL_SIR_GOPM_2_20230430T045925_20230430T051910_C001 CS_OFFL_SIR_GOPM_2_20230430T05594_C001 CS_OFFL_SIR_GOPM_2_20230430T05594_C001 CS_OFFL_SIR_GOPM_2_20230430T05594_C001 CS_OFFL_SIR_GOPM_2_20230430T05594_C001 CS_OFFL_SIR_GOPM_2_20230430T05594_C001 CS_OFFL_SIR_GOPM_2_20230430T05594_C001 CS_OFFL_SIR_GOPM_2_20230430T05594_C001 CS_OFFL_SIR_GOPM_2_20230430T05594_C001 CS_OFFL_SIR_GOPM_2_20230430T05594_2001 CS_OFFL_SIR_GOPM_2_20230430T05594_2001 CS_OFFL_SIR_GOPM_2_20230430T05594_2001 CS_OFFL_SIR_GOPM_2_20230430T05594_2001 CS_OFFL_SIR_GOPM_2_20230430T05594_2001 CS_OFFL_SIR_GOPM_2_20230430T055945_20230430T061944_C001 CS_OFFL_SIR_GOPM_2_20230430T062545_20230430T063136_C001 CS_OFFL_SIR_GOPM_2_20230430T063130_20230430T065945_C001 CS_OFFL_SIR_GOPM_2_20230430T063130_20230430T068136_C001 CS_OFFL_SIR_GOPM_2_20230430T063130_20230430T068136_C001 CS_OFFL_SIR_GOPM_2_20230430T063151_20230430T068148_C001 CS_OFFL_SIR_GOPM_2_20230430T063151_20230430T068108_C001 CS_OFFL_SIR_GOPM_2_20230430T063151_20230430T068108_C001 CS_OFFL_SIR_GOPM_2_20230430T063151_20230430T068108_C001 CS_OFFL_SIR_GOPM_2_20230430T063157_20230430T068108_C001 CS_OFFL_SIR_GOPM_2_20230430T063157_20230430T068108_C001 CS_OFFL_SIR_GOPM_2_20230430T063157_20230430T068108_C001 CS_OFFL_SIR_GOPM_2_20230430T063157_20230430T068108_C001 CS_OFFL_SIR_GOPM_2_20230430T063157_20230430T068108_C001 CS_OF	CS_OFFL_SIR_GOPM_2_20230430T030423_20230430T031300_C001		
and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230430T044625_20230430T045059_C001 CS_OFFL_SIR_GOPM_2_20230430T045410_20230430T045042_C001 CS_OFFL_SIR_GOPM_2_20230430T045410_20230430T045842_C001 CS_OFFL_SIR_GOPM_2_20230430T045410_20230430T045842_C001 CS_OFFL_SIR_GOPM_2_20230430T045925_20230430T051910_C001 CS_OFFL_SIR_GOPM_2_20230430T045925_20230430T051910_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T055054_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T055054_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T055054_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T055054_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T065054_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T065054_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T065054_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T065054_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T065054_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T065054_C001 CS_OFFL_SIR_GOPM_2_20230430T065024_20230430T065054_C001 CS_OFFL_SIR_GOPM_2_20230430T065024_20230430T0650545_C001 CS_OFFL_SIR_GOPM_2_20230430T065045_20230430T0650545_C001 CS_OFFL_SIR_GOPM_2_20230430T065045_20230430T0650545_C001 CS_OFFL_SIR_GOPM_2_20230430T065045_20230430T0650545_C001 CS_OFFL_SIR_GOPM_2_20230430T065045_20230430T065055_C001 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T06310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T06310_20230430T06506_C001 CS_OFFL_SIR_GOPM_2_20230430T06065457_C001 CS_OFFL_SIR_GOPM_2	CS_OFFL_SIR_GOPM_2_20230430T031518_20230430T033758_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20230430T045410_20230430T045842_C001 CS_OFFL_SIR_GOPM_2_20230430T045410_20230430T045842_C001 CS_OFFL_SIR_GOPM_2_20230430T045925_20230430T051910_C001 CS_OFFL_SIR_GOPM_2_20230430T045925_20230430T051910_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T051910_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T055054_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T053136_C001 CS_OFFL_SIR_GOPM_2_20230430T055045_20230430T053136_C001 CS_OFFL_SIR_GOPM_2_20230430T065443_20230430T065145_C001 CS_OFFL_SIR_GOPM_2_20230430T065442_C001 CS_OFFL_SIR_GOPM_2_20230430T065442_C001 CS_OFFL_SIR_GOPM_2_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T065457_C00340T065455_C0034	CS_OFFL_SIR_GOPM_2_20230430T041704_20230430T044037_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20230430T045925_20230430T051910_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T055054_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T055054_C001 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T055054_C001 CS_OFFL_SIR_GOPM_2_20230430T055245_20230430T061944_C001 CS_OFFL_SIR_GOPM_2_20230430T065245_20230430T063136_C001 CS_OFFL_SIR_GOPM_2_20230430T062543_20230430T063136_C001 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T06310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T06310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T06310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T06310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T06310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T06310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T06310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T06310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T063110_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T063110_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T063110_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T0606451_20230430T061006_C001 CS_OFFL_SIR_GOPM_2_20230430T0606451_20230430T061006_C001 CS_OFFL_SIR_GOPM_2_20230430T0606451_20230430T061006_C001 CS_OFFL_SIR_GOPM_2_20230430T0606451_20230430T061006_C001 CS_OFFL_SIR_GOPM_2_20230430T061157_20230430T061006_C001 CS_OFFL_SIR_GOPM_2_20230430T061157_20230430T0611446_C001 CC_OFFL_SIR_GOPM_2_20230430T061157_20230430T0611446_C001 CC_OFFL_SIR_GOPM_2_20230430T061157_20230430T0611446_C001 CC_OFFL_SIR_GOPM_2_20230430T061157_20230430T0611446_C001 CC_OFFL_SIR_GOPM_2_20230430T061157_20230430T0611446_C001 CC_OFFL_SIR_GOPM_2_20230430T061157_20230430T0611446_C001 CC_OFFL_SIR_GOPM_2_20230430T061157_20230430T0611446_C001 CC_OFFL_SIR_GOPM_2_20230430T061157_20230430T0611446_C001 CC_OFFL_SIR_GOPM_2_20230430T061157_20230430T0611446_C001 CC_OFFL_SIR_GOPM_2_20230430T061157_2	CS_OFFL_SIR_GOPM_2_20230430T044625_20230430T045059_C001		
and Backscatter Quality, COG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T055054_CO01 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T055054_CO01 CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T061944_CO01 CS_OFFL_SIR_GOPM_2_20230430T055245_20230430T061944_CO01 CS_OFFL_SIR_GOPM_2_20230430T062543_20230430T063136_CO01 CS_OFFL_SIR_GOPM_2_20230430T062543_20230430T063136_CO01 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T065457_CO01 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T065457_CO01 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T065457_CO01 CS_OFFL_SIR_GOPM_2_20230430T072410_20230430T075845_CO01 CS_OFFL_SIR_GOPM_2_20230430T072410_20230430T08108_CO01 CS_OFFL_SIR_GOPM_2_20230430T080451_20230430T08108_CO01 CS_OFFL_SIR_GOPM_2_20230430T080451_20230430T08108_CO01 CS_OFFL_SIR_GOPM_2_20230430T080451_20230430T08108_CO01 CS_OFFL_SIR_GOPM_2_20230430T080451_20230430T081448_CO01 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_CO01 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_CO01 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_CO01 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_CO01 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_CO01 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_CO01 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_CO01 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_CO01 CO01 CO02 CO03 CO03 CO03 CO03 CO04 CO04 CO04 CO05 C	CS_OFFL_SIR_GOPM_2_20230430T045410_20230430T045842_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, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Ba	CS_OFFL_SIR_GOPM_2_20230430T045925_20230430T051910_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230430T062543_20230430T063136_C001 CS_OFFL_SIR_GOPM_2_20230430T062543_20230430T063136_C001 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T072410_20230430T075845_C001 CS_OFFL_SIR_GOPM_2_20230430T072410_20230430T075845_C001 CS_OFFL_SIR_GOPM_2_20230430T072410_20230430T08108_C001 CS_OFFL_SIR_GOPM_2_20230430T080451_20230430T08108_C001 CS_OFFL_SIR_GOPM_2_20230430T080451_20230430T081048_C001 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_C001 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_C001 CS_OFFL_SIR_GOPM_2_20230430T0814740_20230430T085140_C001 Altimeter Range and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_C001 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_C001 CS_OFFL_SIR_GOPM_2_20230430T0814740_20230430T085140_C001 Altimeter Range Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230430T0814740_20230430T081448_C001 CC_OCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CC_OCA Altimeter Range Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CC_OCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CC_OCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CC_OCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CC_OCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CC_OCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20230430T055026_20230430T055054_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T065457_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T065457_C001 CS_OFFL_SIR_GOPM_2_20230430T072410_20230430T075845_C001 CS_OFFL_SIR_GOPM_2_20230430T072410_20230430T075845_C001 CS_OFFL_SIR_GOPM_2_20230430T080451_20230430T081008_C001 CS_OFFL_SIR_GOPM_2_20230430T080451_20230430T081157_20230430T081448_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_C001 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 The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPM_2_20230430T055245_20230430T061944_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, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records CS_OFFL_SIR_GOPM_2_20230430T072410_20230430T075845_C001 CS_OFFL_SIR_GOPM_2_20230430T080451_20230430T081008_C001 CS_OFFL_SIR_GOPM_2_20230430T080451_20230430T081048_C001 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_C001 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_C001 CS_OFFL_SIR_GOPM_2_20230430T081448_C001 CS_OFFL_SIR_GOPM_2_20230430T08175_20230430T081448_C001 CS_OFFL_SIR_GOPM_2_20230430T08175_20230430T081785_140_C001 CS_OFFL_SIR_GOPM_2_20230430T08175_20230430T081785_140_C001 CS_OFFL_SIR_GOPM_2_20230430T081775_20230430T081785_140_C001 CS_OFFL_SIR_GOPM_2_20230430T081785_140_C001 CS_OFFL_SIR_GOPM_2_20230430T081	CS_OFFL_SIR_GOPM_2_20230430T062543_20230430T063136_C001		
CS_OFFL_SIR_GOPM_2_20230430T072410_20230430T075845_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality CS_OFFL_SIR_GOPM_2_20230430T08105_20230430T08108_C001 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_C001 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_C001 CS_OFFL_SIR_GOPM_2_20230430T081470_20230430T081448_C001 CS_OFFL_SIR_GOPM_2_20230430T081470_20230430T085140_C001 CS_OFFL_SIR_GOPM_2_20230430T084740_20230430T085140_C001 And Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230430T084740_20230430T085140_C001 The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230430T084740_20230430T085140_C001 The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230430T084740_20230430T085140_C001	CS_OFFL_SIR_GOPM_2_20230430T063310_20230430T065457_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Gor one or more records CS_OFFL_SIR_GOPM_2_20230430T081051_20230430T081048_C001 CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_C001 Doean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPM_2_20230430T084740_20230430T085140_C001 Doean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags and Backscatter Quality Flags have been and B	CS_OFFL_SIR_GOPM_2_20230430T072410_20230430T075845_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_20230430T084740_20230430T085140_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter	CS_OFFL_SIR_GOPM_2_20230430T080451_20230430T081008_C001		
CS_OFFL_SIR_GOPM_2_20230430T084740_20230430T085140_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20230430T081157_20230430T081448_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20230430T084740_20230430T085140_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20230430T090416_20230430T091255_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_20230430T091541_20230430T093759_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_20230430T094336_20230430T094453_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_20230430T094501_20230430T094907_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_20230430T095106_20230430T100413_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_20230430T100600_20230430T101217_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_20230430T101352_20230430T101835_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_20230430T104343_20230430T111629_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_20230430T111839_20230430T112353_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_20230430T113452_20230430T120512_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_20230430T120657_20230430T121002_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_20230430T121002_20230430T121047_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_20230430T122457_20230430T123817_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_20230430T124018_20230430T125555_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_20230430T125749_20230430T130251_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_20230430T130330_20230430T130454_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_20230430T131217_20230430T132230_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_20230430T132849_20230430T134031_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_20230430T140147_20230430T140209_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_20230430T140212_20230430T141304_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_20230430T141557_20230430T141840_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_20230430T142019_20230430T143446_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_20230430T143703_20230430T144203_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_20230430T144228_20230430T144237_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_20230430T144833_20230430T152217_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_20230430T155148_20230430T161422_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_20230430T161748_20230430T162121_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_20230430T162143_20230430T162506_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_20230430T162727_20230430T165641_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_20230430T171906_20230430T172616_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_20230430T172804_20230430T175353_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_20230430T175532_20230430T180036_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_20230430T180043_20230430T180410_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_20230430T180733_20230430T184143_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_20230430T192722_20230430T193336_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_20230430T193532_20230430T194109_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_20230430T194651_20230430T202031_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_20230430T203411_20230430T203509_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_20230430T205341_20230430T211256_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_20230430T211456_20230430T212004_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_20230430T212600_20230430T220015_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_20230430T222442_20230430T222904_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_20230430T222959_20230430T224735_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_20230430T230610_20230430T232156_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_20230430T232159_20230430T232318_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_20230430T232322_20230430T232731_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_20230430T232807_20230430T233524_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_20230430T234011_20230430T234044_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_20230430T235512_20230501T001318_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPN_2_20230430T101306_20230430T101351_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_20230430T225418_20230430T225704_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

> OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice.

Number of products with errors:

90

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20230430T002544_20230430T002708_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_20230430T004020_20230430T004142_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_20230430T004528_20230430T004711_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_20230430T012041_20230430T012634_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_20230430T013350_20230430T013528_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_20230430T021949_20230430T022201_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_20230430T022320_20230430T022548_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_20230430T023615_20230430T023737_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_20230430T024226_20230430T024532_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_20230430T031300_20230430T031500_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_20230430T033940_20230430T034257_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_20230430T035903_20230430T040352_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_20230430T045100_20230430T045318_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_20230430T053111_20230430T053159_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_20230430T062148_20230430T062308_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_20230430T072249_20230430T072410_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_20230430T081009_20230430T081121_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_20230430T083227_20230430T083412_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_20230430T090141_20230430T090201_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_20230430T102659_20230430T102745_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_20230430T102846_20230430T103245_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_20230430T120519_20230430T120657_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_20230430T132230_20230430T132336_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_20230430T132607_20230430T132636_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_20230430T154350_20230430T154833_C001 CS_OFFL_SIR_GOPN_2_20230430T152528_20230430T152923_C001 CS_OFFL_SIR_GOPN_2_20230430T152528_20230430T152923_C001 CS_OFFL_SIR_GOPN_2_20230430T153442_20230430T153516_C001 CS_OFFL_SIR_GOPN_2_20230430T153442_20230430T154524_C001 CS_OFFL_SIR_GOPN_2_20230430T154419_20230430T154524_C001 CS_OFFL_SIR_GOPN_2_20230430T154607_20230430T154940_C001	Quality Flags have been ckscatter Quality Flags Quality Flags have been ckscatter Quality Flags
CS_OFFL_SIR_GOPN_2_20230430T152528_20230430T152923_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T153442_20230430T153516_C001 CS_OFFL_SIR_GOPN_2_20230430T154419_20230430T154524_C001 CS_OFFL_SIR_GOPN_2_20230430T154419_20230430T154524_C001 CS_OFFL_SIR_GOPN_2_20230430T154607_20230430T154940_C001	Quality Flags have been
CS_OFFL_SIR_GOPN_2_20230430T153442_20230430T153516_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T154419_20230430T154524_C001 CS_OFFL_SIR_GOPN_2_20230430T154607_20230430T154940_C001 CS_OFFL_SIR_GOPN_2_20230430T154607_20230430T154940_C001 CS_OFFL_SIR_GOPN_2_20230430T154607_20230430T154940_C001 CS_OFFL_SIR_GOPN_2_20230430T154607_20230430T154940_C001 CS_OFFL_SIR_GOPN_2_20230430T154607_20230430T154940_C001 CS_OFFL_SIR_GOPN_2_20230430T154607_20230430T154940_C001 CS_OFFL_SIR_GOPN_2_20230430T154607_20230430T154940_C001 CS_OFFL_SIR_GOPN_2_20230430T154607_20230430T154940_C001 CS_OFFL_SIR_GOPN_2_20230430T154607_20230430T154940_C001	
OCOG Backscatter Quality OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags h	Quality Flags have been
	nave been set for one or
OCOG Backscatter Quality more records	nave been set for one or
CS_OFFL_SIR_GOPN_2_20230430T161517_20230430T161748_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags in more records	nave been set for one or
CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 The Ocean Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 The Ocean Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 The Ocean Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 The Ocean Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 The Ocean Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 The Ocean Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 The Ocean Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 The Ocean Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPN_2_20230430T162506_20230430T162656_C001 The Ocean Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range and Backsc	
CS_OFFL_SIR_GOPN_2_20230430T175400_20230430T175532_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 PLRM The Ocean Altimeter Range and Backscatter Quality PLRM	
CS_OFFL_SIR_GOPN_2_20230430T191428_20230430T191623_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags In more records	nave been set for one or
CS_OFFL_SIR_GOPN_2_20230430T194311_20230430T194426_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 PLRM or one or more records	
CS_OFFL_SIR_GOPN_2_20230430T202238_20230430T202308_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 PLRM The Ocean Altimeter Range and the OCOG Altimeter Range and Backscatter Quality PLRM	
CS_OFFL_SIR_GOPN_2_20230430T204109_20230430T204149_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, more records	nave been set for one or
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 PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM	
CS_OFFL_SIR_GOPN_2_20230430T225909_20230430T230435_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 PLRM	
CS_OFFL_SIR_GOPN_2_20230430T234431_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 PLRM The Ocean Altimeter Range and Backscatter Quality PLRM	
CS_OFFL_SIR_GOPN_2_20230430T235002_20230430T235429_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags In more records	nave been set for one or
CS_OFFL_SIR_GOPR_2_20230430T002857_20230430T002901_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags in more records	nave been set for one or
CS_OFFL_SIR_GOPR_2_20230430T003319_20230430T003907_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 PLRM	
CS_OFFL_SIR_GOPR_2_20230430T003907_20230430T004020_C001 CS_OFFL_SIR_GOPR_2_20230430T004020_C001 CS_OFFL_SIR_GOPR_2_2023040000000000000000000000000000000	
CS_OFFL_SIR_GOPR_2_20230430T021315_20230430T021331_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, o	nave been set for one or
CS_OFFL_SIR_GOPR_2_20230430T021548_20230430T021641_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 PLRM of the OCOG Altimeter Range and Backscatter Quality PLRM	
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 PLRM and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The Ocean Altimeter Range and Backscatter Quality PLRM	
CS_OFFL_SIR_GOPR_2_20230430T022201_20230430T022320_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 PLRM and Backscatter Quality PLRM	
CS_OFFL_SIR_GOPR_2_20230430T031501_20230430T031518_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 PLRM and Backscatter Quality PLRM	
CS_OFFL_SIR_GOPR_2_20230430T033902_20230430T033940_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, ocog Backscatter Quality The OCOG Range and Backscatter Quality Flags in more records	nave been set for one or
CS_OFFL_SIR_GOPR_2_20230430T035214_20230430T035902_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 PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM	

CS_OFFL_SIR_GOPR_2_20230430T053407_20230430T053929_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_20230430T061944_20230430T062148_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_20230430T063303_20230430T063310_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_20230430T070216_20230430T070413_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_20230430T070731_20230430T070936_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_20230430T071139_20230430T071248_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_20230430T071315_20230430T072110_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_20230430T072230_20230430T072241_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_20230430T075846_20230430T080138_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_20230430T083916_20230430T084235_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_20230430T084433_20230430T084612_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_20230430T085141_20230430T090051_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_20230430T102745_20230430T102846_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_20230430T103246_20230430T103618_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_20230430T103618_20230430T104002_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_20230430T104012_20230430T104035_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_20230430T121143_20230430T121725_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_20230430T121739_20230430T121908_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_20230430T122148_20230430T122157_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_20230430T122210_20230430T122418_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_20230430T123827_20230430T124018_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_20230430T130711_20230430T131217_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_20230430T132637_20230430T132849_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_20230430T135058_20230430T135747_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_20230430T152923_20230430T153442_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_20230430T155105_20230430T155148_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_20230430T161423_20230430T161517_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_20230430T170740_20230430T171736_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_20230430T180544_20230430T180733_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_20230430T184515_20230430T185253_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_20230430T185318_20230430T185806_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_20230430T190214_20230430T190248_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_20230430T194426_20230430T194651_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_20230430T202200_20230430T202238_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_20230430T202308_20230430T203057_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_20230430T203057_20230430T203222_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_20230430T203619_20230430T203956_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors:

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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 (20 Hz 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: 15

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 that are expected, due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues that may arise from this test.

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

Number of products with errors

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20230429T234859_20230430T003837_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), 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_20230430T003837_20230430T012814_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20230430T012814_20230430T021751_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_20230430T021751_20230430T030728_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_20230430T030728_20230430T035706_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_20230430T035706_20230430T044643_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_20230430T044643_20230430T053621_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_20230430T053621_20230430T062558_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), 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_220230430T062558_20230430T071536_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_20230430T071536_20230430T080513_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_220230430T080513_20230430T085450_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20230430T085450_20230430T094427_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_20230430T094427_20230430T103405_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20230430T103405_20230430T112342_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_20230430T112342_20230430T121320_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_220230430T121320_20230430T130256_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_20230430T130256_20230430T135234_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20230430T135234_20230430T144211_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_20230430T144211_20230430T153149_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), 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_20230430T153149_20230430T162126_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_20230430T162126_20230430T171104_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_20230430T171104_20230430T180041_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_220230430T180041_20230430T185018_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_20230430T185018_20230430T193955_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_20230430T193955_20230430T202933_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_20230430T202933_20230430T211910_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_20230430T211910_20230430T220848_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), 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_20230430T220848_20230430T225824_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_20230430T225824_20230430T234802_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_20230430T234802_20230501T003739_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

P2P Quality Flags (20 Hz)

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

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

Number of products with errors:

P2P Quality Flags (20 Hz 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 & 1 Hz PLRM)

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

Number of products with errors:

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

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:

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	189	188	6	182	0
SIR_GOPR1B	155	154	0	154	0
SIR_GOPN1B	105	104	6	98	0
SIR_GOPM_2	189	188	126	62	0
SIR_GOPR_2	155	154	73	80	1
SIR_GOPN_2	105	104	42	62	0
SIR GOP P2P	29	28	0	27	1

7.1 QCC Errors

Number of QCC reports with errors:

2

Total number of occurrences of each error

Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOPR_2	1	1	1	1							
			•								
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-

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

7.2 QCC Warnings

Number of QCC reports with warnings

2208

Total number of occurrences of each warning

	Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC
ſ	SIR_GOPM1B	182	0	0	0	0	0	0
	SIR_GOPM_2	0	0	46	43	1	43	0
	SIR_GOPN1B	95	0	0	0	0	0	0
	SIR_GOPN_2	0	0	10	27	6	23	25
	SIR_GOPR1B	151	0	0	0	0	0	0
- [SIR GOPR 2	0	1	26	41	2	24	19

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCI	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	32	37	0	0	0	0	32
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	18	0	0	21	0	28	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	11	0	47	0	53	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	0	0	6	30	0	4	39
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	24	18	37	52	31	27
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	45	0	2	69	32	10	42

Product Type	RSWHOEPFDPLRMNCDF F	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-

SIR_GOPM1B	0	0	2	0	0	0	
SIR_GOPM_2	0	2	2	0	0	0	
SIR_GOPN1B	0	0	0	0	44	2	
SIR_GOPN_2	22	14	0	0	0	0	
SIR_GOPR1B	0	0	0	0	154	11	
SIR_GOPR_2	44	3	1	6	0	0	

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
i roddot rypc							
SID COD 2	15	20	28	7	28	16	28

Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOP_2_	14	26	20	19	28	17	25

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	•	-	-
SIR_GOP_2_	28	17	17	28			

Test Description Key:					
Abbreviation	Test name	Details			
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter			
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)			
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees			
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees			
MVIONCDF	Missing Value Int Ocean Net CDF	The value should not be a 'missing value' for surface type 0 only			
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean			
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean			
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean			
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean			
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)			
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample			
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter			
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter			

7.3 Missing QCC Reports

Number of products with missing QCC reports:

L1B and L2 Product name

CS_OFFL_SIR_GOPM1B_20230430T235512_20230501T001318_C001

CS_OFFL_SIR_GOPM_2_20230430T235512_20230501T001318_C001

CS_OFFL_SIR_GOPM1B_20230430T235502_20230430T235429_C001

CS_OFFL_SIR_GOPN_2_20230430T235002_20230430T235429_C001

CS_OFFL_SIR_GOPRIB_20230430T235429_20230430T235511_C001

CS_OFFL_SIR_GOPR_2_20230430T235429_20230430T235511_C001

P2P Product name

CS_OFFL_SIR_GOP_2_20230430T234802_20230501T003739_C001
n/a
n/a
n/a
n/a
n/a
n/a