

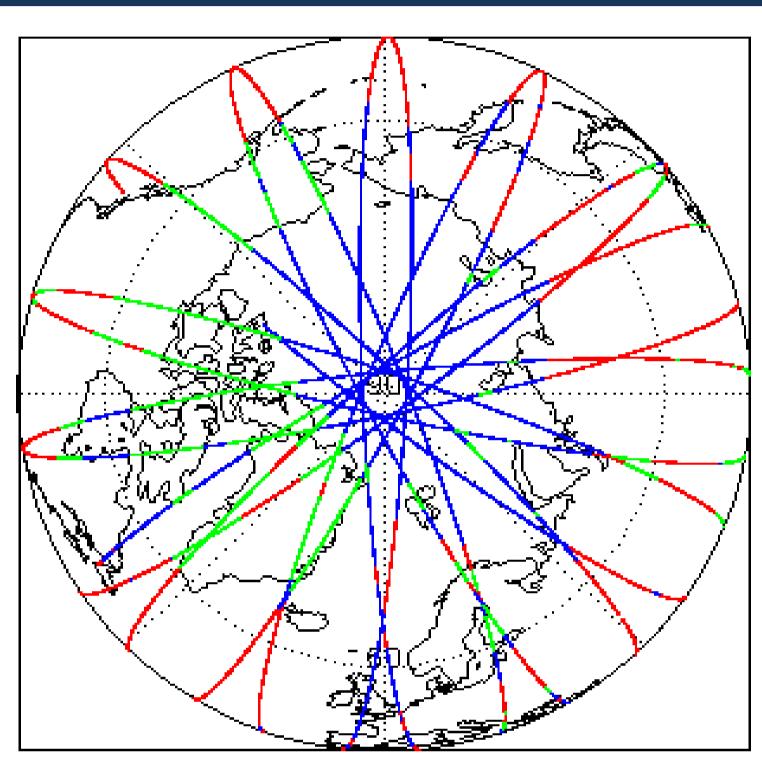
1. Overview

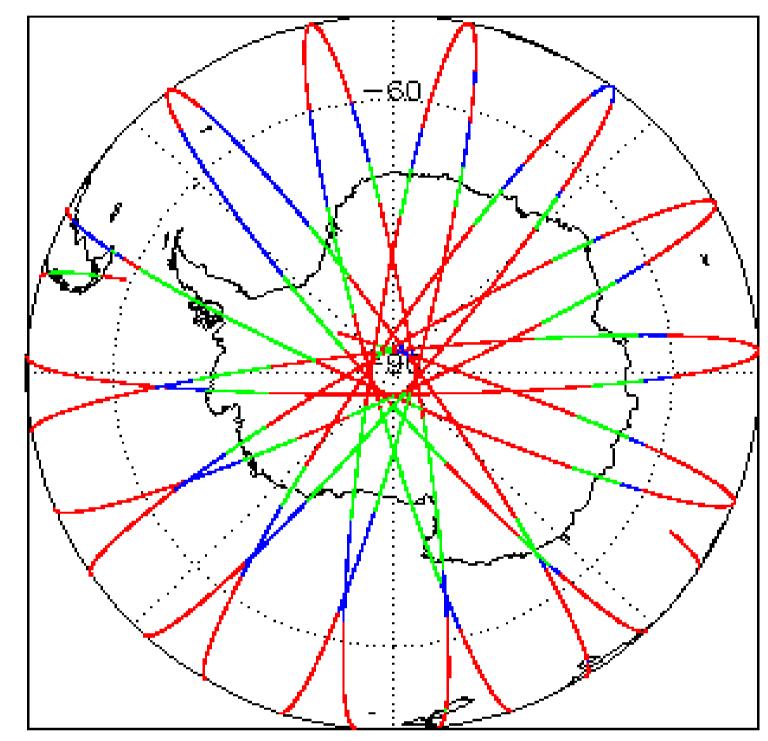
Report Production:	30-Jun-2021
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

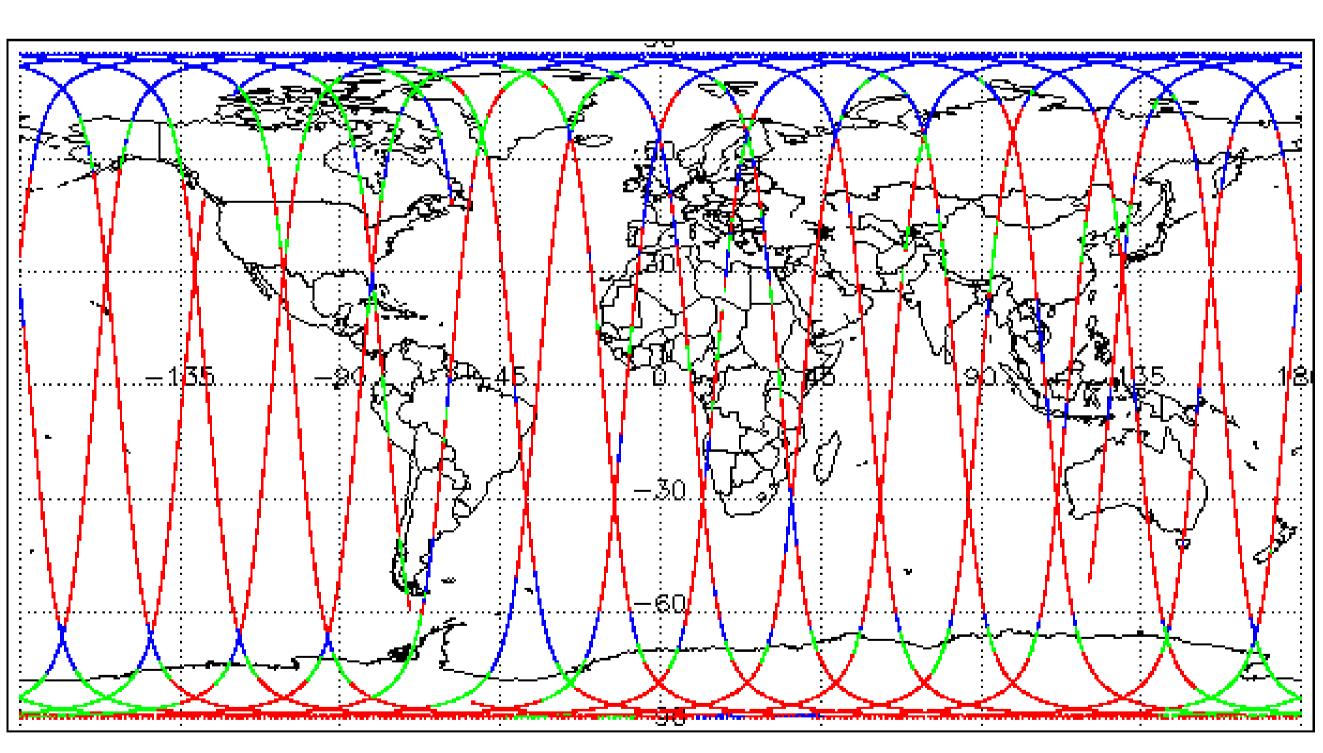
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1 and 7.2

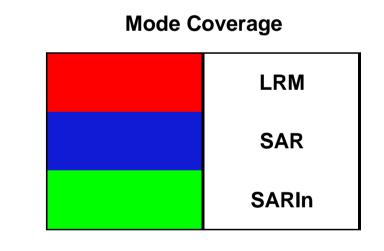
Mission / Instru	iment News
29-May-2021	None
30-May-2021	None
31-May-2021	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20210530T002716_20210530T003737_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20210530T071456_20210530T071639_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20210530T134736_20210530T134740_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20210530T224234_20210530T225502_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

21

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20210530T110417_20210530T111945_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210530T145807_20210530T145850_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20210530T224234_20210530T225502_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210530T000449_20210530T000540_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210530T011056_20210530T011454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210530T091809_20210530T092322_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210530T100914_20210530T101305_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210530T122747_20210530T123354_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210530T132729_20210530T132944_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210530T231825_20210530T231932_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210530T000130_20210530T000449_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210530T033050_20210530T033619_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210530T122208_20210530T122607_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210530T132945_20210530T133033_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210530T134231_20210530T134352_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210530T140853_20210530T141007_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210530T150247_20210530T150654_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210530T182050_20210530T182837_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210530T190543_20210530T190911_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210530T195753_20210530T200013_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210530T223551_20210530T224234_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

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.

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

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

Number of products with errors:

54

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210530T145807_20210530T145850_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20210530T145850_20210530T145851_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20210530T180850_20210530T180942_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20210530T234801_20210531T000257_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_20210530T000922_20210530T001005_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_20210530T011056_20210530T011454_C001	Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Fauilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20210530T014334_20210530T014838_C001		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_20210530T024331_20210530T024543_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_20210530T032124_20210530T032701_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_20210530T045943_20210530T050359_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20210530T055256_20210530T055420_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_20210530T064123_20210530T064320_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_20210530T073227_20210530T073353_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_20210530T073907_20210530T074209_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_20210530T091232_20210530T091537_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_20210530T091809_20210530T092322_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_20210530T100914_20210530T101305_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20210530T105247_20210530T105521_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_20210530T115122_20210530T115405_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20210530T122747_20210530T123354_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_20210530T132729_20210530T132944_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_20210530T141008_20210530T141150_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_20210530T150654_20210530T151138_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_20210530T155827_20210530T160108_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_20210530T172930_20210530T173320_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

March See ACOMES - 2004-2017-2018 SCHONT-2019-CO.	CS_OFFL_SIR_GOPN_2_20210530T181735_20210530T181815_C001	TLOTAL GEOCENTRIC UCEAN LINE (GUL)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
Section 1. Section 2. Annual Control 2. Annual C	CS_OFFL_SIR_GOPN_2_20210530T190911_20210530T191226_C001	` '	, , , , , , , , , , , , , , , , , , ,
COLUMBRICACIONE DE SOURCE DE LOS CONTRES DE COLUMBRICA DE LOS CONTRES DE C	CS_OFFL_SIR_GOPN_2_20210530T191739_20210530T191857_C001	Mean Dynamic Topography (1)	
Transparent III Transparent II	CS_OFFL_SIR_GOPN_2_20210530T200013_20210530T200041_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
COUNTING CORN 2 PROCESST SERIO PROCE	CS_OFFL_SIR_GOPN_2_20210530T205646_20210530T205759_C001		, , , , , , , , , , , , , , , , , , , ,
Today and the CE II were a process of the CE II were a pro	CS_OFFL_SIR_GOPN_2_20210530T213600_20210530T213834_C001	Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES)
TABLES SCHOOL 2 ZENEROW ZENER ZENEROW	CS_OFFL_SIR_GOPN_2_20210530T213900_20210530T214023_C001	Topography (1)	Topography height (solution 1) for one or more records
19. DPTL_SR_GOPR_2 SCHOOLT SERVE SCHOOLT SCH	CS_OFFL_SIR_GOPN_2_20210530T231302_20210530T231720_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean	Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean
CQ. OFF_BIR_GOOPE_2_22/1632T100132_22/1632T10013_CD01 CS. OFF_BIR_GOOPE_2_22/1632T10003_22/1632T10003_CD01 CS. OFF_BIR_GOOPE_2_22/1632T10003_22/1632T10003_CD01 Mees See Service (1), Near Desarts Trospatify (1) Mees See Service (2), Near Desarts Trospatify (2) Mees See Service (2), Near Desarts Trospatify (CS_OFFL_SIR_GOPN_2_20210530T231825_20210530T231932_C001	Topography (1)	
Tecography (2) See Soffe, S. R., GOPR, 2. 202103007014308, 202103007014200, 202103007014305, 20210300701430	CS_OFFL_SIR_GOPR_2_20210530T000130_20210530T000449_C001	Ocean Tide (GOT), Total Geocentric	- TIL (OOT) TILLO III O TILL (FEO) III N
Tapography 131 Ages See Surface (1), Mean Dynamic Tapography 132 Ages See Surface (1), Mean Dynamic Tapography 133 Ages See Surface (1), Mean Dynamic Tapography 134 Ages See Surface (1), Mean Dynamic Tapogr	CS_OFFL_SIR_GOPR_2_20210530T001005_20210530T001651_C001	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
Todography (1) So, OPPL_SIR_COPPL_2/2010/S01053092_201050105997_Cobt Todography (1) Mean Ses Surface (1), Mean Dynamic Todography (a) Mean Ses Surface (1), Mean Dynamic Todography (a) Description (b) and the Mean Dynamic Todography (b) Description (b	CS_OFFL_SIR_GOPR_2_20210530T014838_20210530T015400_C001		, , , ,
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Topography (1) Topography (2) Topography (2) Topography (3) Topography (3) Topography (3) Topography (4) Topography (3) Topography (4) Topography (4) Topography (4) Topography (5) Topography (6) Topography (6) Topography (7) Topography (7) Topography (8) Topogr	CS_OFFL_SIR_GOPR_2_20210530T033050_20210530T033619_C001		
Topography (1) So OFFL SIR GOPR 2 20210530106302 20210530106302 C001 Man Sea Surface (1), Mean Dynamic Topography (1) Man Sea Surface (1), Mean	CS_OFFL_SIR_GOPR_2_20210530T050359_20210530T051140_C001		· · · · · · · · · · · · · · · · · · ·
Topography (1) Topography (2) Topography (3) Topography (4) Topography (5) Topography (6) Topogr	CS_OFFL_SIR_GOPR_2_20210530T064321_20210530T065001_C001		
Topography (1) Topography (2) Topography (3) Topography (4) Topogr	CS_OFFL_SIR_GOPR_2_20210530T065002_20210530T065302_C001		, , , , , , , , , , , , , , , , , , , ,
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	CS_OFFL_SIR_GOPR_2_20210530T231933_20210530T232454_C001	` '	, , , , , , , , , , , , , , , , , , , ,

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210530T002716_20210530T003737_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20210530T071456_20210530T071639_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20210530T134736_20210530T134740_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20210530T224234_20210530T225502_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210529T234934_20210530T000032_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_20210530T001651_20210530T002430_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_20210530T002716_20210530T003737_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_20210530T003917_20210530T005330_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_20210530T005604_20210530T010106_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_20210530T011455_20210530T012225_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_20210530T012641_20210530T013130_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_20210530T021017_20210530T023218_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_20210530T023637_20210530T024023_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_20210530T024045_20210530T024330_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_20210530T024703_20210530T031156_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_20210530T034713_20210530T041227_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_20210530T041419_20210530T041938_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_20210530T042643_20210530T045942_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_20210530T053229_20210530T054214_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_20210530T054611_20210530T055148_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_20210530T055421_20210530T060216_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_20210530T060614_20210530T063925_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.

CQCPT_SR_QCPV_2 201000011094_20100011096_D010 CQCPT_SR_QCPV_2 201000011094_20100011096_D010 CQCPT_SR_QCPV_2 201000011094_20100011096_D010 CQCPT_SR_QCPV_2 20100011094_20100011096_D010 CQCPT_SR_QCPV_2 20100011096_D01001096_D010 CQCPT_SR_QCPV_2 20100011096_D010010	CS_OFFL_SIR_GOPM_2_20210530T065303_20210530T065353_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.
Post 1, 2014, 2, 2014 (2017 Post 2, 2014 (201	CS_OFFL_SIR_GOPM_2_20210530T071641_20210530T071706_C001	· ·	
Section (Color) Color (Col	CS_OFFL_SIR_GOPM_2_20210530T071954_20210530T073055_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
12. DP4_SR_GOPA_2_201600101007_2010001011008_LD21 D2_DP4_SR_GOPA_2_201600101007_2010001011008_LD21 D3_DP4_SR_GOPA_2_2016000101007_2010001011008_LD21 D3_DP4_SR_GOPA_2_2016000101007_201000101008_LD21 D3_DP4_SR_GOPA_2_2016000100007_2010001000808_LD21 D3_DP4_SR_GOPA_2_2016000100007_2010001000808_LD21 D3_DP4_SR_GOPA_2_2016000100007_20100001000808_LD21 D3_DP4_SR_GOPA_2_2016000100007_201000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20210530T073353_20210530T073906_C001		
Decided to Grant Country (1997) Country (1997	CS_OFFL_SIR_GOPM_2_20210530T074536_20210530T080722_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS DP-1, SIR GCPR1 2 201155011963150 229 0351119631 COII CS DP-1, SIR GCPR1 2 20115501196310 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 20115501196302 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 20115501196302 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 20115501196302 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 20115501196302 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 20115501196302 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 20115501196302 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 2011550119630 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 2011550119630 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 2011550119630 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 2011550119630 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 201155011960 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 201155011960 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 201155011960 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 201155011960 CUIP 10021 285611 COII CS DP-1, SIR GCPR1 2 201155011960 CUIP 10021	CS_OFFL_SIR_GOPM_2_20210530T081007_20210530T081945_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Bassacate Quality, COOPTL_SIR_COPTL_282016337708509_20150712012 (2016) Simple Microsoft Range and Bassacate Quality, COOPTL_SIR_COPTL_282016337708509_2015012 (2016) Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_282016337708519_2015037093591_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_282016337708519_2015037093591_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_282016337708519_201050708591_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_282016337708519_201050708793_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_282016337708519_201050708793_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_2820163377108519_201050708793_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_2820163377108519_201050708793_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_2820163377108519_201050708793_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_2820163377108519_201050711092_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_282016337710811_2010507111092_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_28201633771091_2010507111092_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_28201633771091_2010507111092_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_28201633771911092_2010 Simple Microsoft Range And Bassacate Quality, COOPTL_SIR_COPTL_2820163377191092_	CS_OFFL_SIR_GOPM_2_20210530T083059_20210530T083401_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Balaszater Guille, COCO Altreed Range and Balaszater Guille, COCO Altreed Range and Balaszater Guille, COCO Altreed Range and Balaszater Guille, Sale 125007185817, 20112507181694 (2011) CCS OFFL SIR GOPN 2 202105371785815 2011250708594 (2011) CCS OFFL SIR GOPN 2 202105371785815 2011250708594 (2011) CCS OFFL SIR GOPN 3 202105371785815 2011250708594 (2011) CCS OFFL SIR GOPN 3 202105371785815 2011250708594 (2011) CCS OFFL SIR GOPN 3 202105371785815 2011250718594 (2011) CCS OFFL SIR GOPN 3 20210537178581 201125071894 (2011) CCS OFFL SIR GOPN 3 20210537178582 (2011) CCS OFFL SIR GOPN 3 20210537178583 (2011) CC	CS_OFFL_SIR_GOPM_2_20210530T085006_20210530T085613_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Dackscatter Cuality CS_OFFL_SIR_COPY_2_202*05301*0513. A22*05301*05755_000* Dose Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all factors. Plangs of Boscotter Cuality Flags and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs and Backscatter Quality Flags have been all for CoDG Alliments Plangs, SSHA, SVH and Backscatter Quality Flags have been all for CoDG Alliments Plangs and Backscatter Quality Flags	CS_OFFL_SIR_GOPM_2_20210530T085801_20210530T090902_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and beacksted Quality, OCCO Altrimetr Range and Backsteater Quality Flags have been service or own o	CS_OFFL_SIR_GOPM_2_20210530T091537_20210530T091809_C001		
and Buckscatter Quality Flags have been and function from the process. CS OFFL SIR GOPM 2 20210530T101350 22210530T104548 CO11 CS OFFL SIR GOPM 2 20210530T101350 22210530T104548 CO11 CS OFFL SIR GOPM 2 20210530T105914 20210530T10922 20010 CS OFFL SIR GOPM 2 20210530T105914 20210530T10922 20010 CS OFFL SIR GOPM 2 20210530T10417 20210530T110922 20010 CS OFFL SIR GOPM 2 20210530T10417 20210530T110945 CO11 CS OFFL SIR GOPM 2 20210530T10417 20210530T110945 CO11 CS OFFL SIR GOPM 2 20210530T110417 20210530T110945 CO11 CS OFFL SIR GOPM 2 20210530T110950 CO11 CS OFFL SIR GOPM 2 20210530T110950 CO11 CS OFFL SIR GOPM 2 20210530T110950 CO11 CS OFFL SIR GOPM 2 20210530T12050 CO11030T12050 CO11 CS OFFL SIR GOPM 2 20210530T12050 CO11030T12050 CO1	CS_OFFL_SIR_GOPM_2_20210530T092513_20210530T095546_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS OFFL SIR GOPM 2 20210530T10430 20210530T110452 C001 CS OFFL SIR GOPM 2 20210530T10477 20210530T110222 C001 CS OFFL SIR GOPM 2 20210530T110477 20210530T1110222 C001 CS OFFL SIR GOPM 2 20210530T110477 20210530T111022 C001 CS OFFL SIR GOPM 2 20210530T112442 20210530T112482 C001 CS OFFL SIR GOPM 2 20210530T112442 20210530T112402 C001 CS OFFL SIR GOPM 2 20210530T112442 20210530T112402 C001 CS OFFL SIR GOPM 2 20210530T112442 20210530T12024 C001 CS OFFL SIR GOPM 2 20210530T124352 C001 CS OFFL SIR GOPM 2 20210530T124352 C0010530T12002 C001 CS OFFL SIR GOPM 2 20210530T120305 C001 CS OFFL SIR GOPM 2 20210530T12050C C001 CS OFFL SIR GOPM 2	CS_OFFL_SIR_GOPM_2_20210530T095549_20210530T095759_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscater Quality CS_OFFL_SIR_GOPM_2_20210530T110417_20210530T111945_C001 CS_OFFL_SIR_GOPM_2_20210530T110417_20210530T111945_C001 CS_OFFL_SIR_GOPM_2_20210530T112449_20210530T113218_C001 CS_OFFL_SIR_GOPM_2_20210530T112449_20210530T113218_C001 CS_OFFL_SIR_GOPM_2_20210530T112449_20210530T113218_C001 CS_OFFL_SIR_GOPM_2_20210530T112449_20210530T113218_C001 CS_OFFL_SIR_GOPM_2_20210530T112459_20210530T11242_C001 CS_OFFL_SIR_GOPM_2_20210530T112459_20210530T12024_C001 CS_OFFL_SIR_GOPM_2_20210530T112058_20210530T12024_C001 CS_OFFL_SIR_GOPM_2_20210530T12055_20210530T12055_2001 CS_OFFL_SIR_GOPM_2_20210530T12055_20210530T12055_2001 CS_OFFL_SIR_GOPM_2_20210530T12055_20210530T12055_2001 CS_OFFL_SIR_GOPM_2_20210530T12055_20210530T12055_2001 CCS_OFFL_SIR_GOPM_2_20210530T12055_20210530T12055_2001 CCS_OFFL_SIR_GOPM_2_20210530T12055_20210530T12055_2001 CCS_OFFL_SIR_GOPM_2_20210530T12055_20210530T12055_2001 CCS_OFFL_SIR_GOPM_2_20210530T12055_20210530T12055_2001 CCS_OFFL_SIR_GOPM_2_20210530T12055_20210530T12055_2001 CCS_OFFL_SIR_GOPM_2_20210530T12055_20210530T12055_2001 CCS_OFFL_SIR_GOPM_2_20210530T12055_20210530T12055_2001 CCS_OFFL_SIR_GOPM_2_20210530T12055_20210530T12055_2001 CCS_OFFL_SIR_GOPM_2_20210530T12055_2001 CCS_OFFL_SIR_GOPM_2_20210530T12055_2001 CCS_OFFL_SIR_GOPM_2_20210530T12055_2001 CCS_OFFL_SIR_GOPM_2_20210530T13075_20210530T13025_2001 CCS_OFFL_SIR_GOPM_2_20210530T13075_20210530T13075_2001 CCS_OFFL_SIR_GOPM_2_20210530T13075_20210530T13075_200	CS_OFFL_SIR_GOPM_2_20210530T101350_20210530T104549_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, CCG Altimeter Range and Backscatter Quality, CCG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range, and Backscatter Quality Flags have been at the CCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the CCGG Altimeter Range, and Backscatter Quality Flags have been at the CCGG Altimeter Range, and Backscatter Quality Flags have been at the CCGG Altimeter Range, and Backscatter Quality Flags have been at the CCGG Altimeter Range, and Backscatter Quality Flags have been at the CCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the CCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the CCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the CCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimeter Range and Backscatter Quality Flags have been at the CCGG Altimete	CS_OFFL_SIR_GOPM_2_20210530T105914_20210530T110222_C001		
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been ast from one more records. CS_OFFL_SIR_GOPM_2_20210530T115411_20210530T115622_CO01 CS_OFFL_SIR_GOPM_2_20210530T115411_20210530T115622_CO01 CS_OFFL_SIR_GOPM_2_20210530T115826_20210530T12024_CO01 CS_OFFL_SIR_GOPM_2_20210530T115826_20210530T12024_CO01 CS_OFFL_SIR_GOPM_2_20210530T123355_20210530T123638_CO01 CS_OFFL_SIR_GOPM_2_20210530T123355_20210530T124123_CO01 CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T124123_CO01 CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T124123_CO01 CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T124123_CO01 CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T124356_20010530T12413_CO01 CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T12413_CO01 CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T12413_CO01 CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T12413_CO01 CS_OFFL_SIR_GOPM_2_20210530T12355_20210530T12413_CO01 CS_OFFL_SIR_GOPM_2_20210530T12355_20210530T12413_CO01 CS_OFFL_SIR_GOPM_2_20210530T124356_20210530T125812_CO01 CS_OFFL_SIR_GOPM_2_20210530T125952_20210530T130235_CO01 CS_OFFL_SIR_GOPM_2_20210530T125952_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130742_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130742_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130742_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130742_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130742_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130742_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130742_20210530T130948_CO01 CS_OFFL_SIR_GOPM_2_20210530T130742_20210530T1	CS_OFFL_SIR_GOPM_2_20210530T110417_20210530T111945_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range Altimeter Range Quality, OCOG Altimeter Range 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_20210530T123365_20210530T124123_C001 CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T124123_C001 CS_OFFL_SIR_GOPM_2_20210530T124356_20210530T124123_C001 CS_OFFL_SIR_GOPM_2_20210530T124356_20210530T125812_C001 CS_OFFL_SIR_GOPM_2_20210530T125952_20210530T130235_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130235_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134715_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T134731_C001 CS_OFFL	CS_OFFL_SIR_GOPM_2_20210530T112149_20210530T113218_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_GOPM_2_20210530T12355_20210530T123638_C001 CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T124123_C001 CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T124123_C001 CS_OFFL_SIR_GOPM_2_20210530T124356_20210530T124123_C001 CS_OFFL_SIR_GOPM_2_20210530T124356_20210530T125812_C001 CS_OFFL_SIR_GOPM_2_20210530T124356_20210530T125812_C001 CS_OFFL_SIR_GOPM_2_20210530T125952_20210530T130235_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 CS_OFFL_SIR_GOPM	CS_OFFL_SIR_GOPM_2_20210530T115411_20210530T115622_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T124123_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T124123_C001 CS_OFFL_SIR_GOPM_2_20210530T124356_20210530T125812_C001 CS_OFFL_SIR_GOPM_2_20210530T124356_20210530T125812_C001 CS_OFFL_SIR_GOPM_2_20210530T125952_20210530T130235_C001 CS_OFFL_SIR_GOPM_2_20210530T125952_20210530T130235_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130235_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T130935_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T130935_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T130935_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 CS_OFFL_S	CS_OFFL_SIR_GOPM_2_20210530T115626_20210530T121024_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210530T124356_20210530T125812_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20210530T124356_20210530T125812_C001 CS_OFFL_SIR_GOPM_2_20210530T125952_20210530T130235_C001 CS_OFFL_SIR_GOPM_2_20210530T125952_20210530T130235_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130235_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T134731_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T144853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T144853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T144853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T144853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T144853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T144853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T144833_C001 CCGA Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T144853_C001 CCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCGA Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20210530T123355_20210530T123638_C001		
and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210530T125952_20210530T130235_C001 CS_OFFL_SIR_GOPM_2_20210530T125952_20210530T130235_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T134731_C001 CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T134731_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T144735_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T144853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T144853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T142031_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T142031_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T142031_C001 CS_OFFL_SIR_GOPM_2_20210530T134750_20210530T142031_C001 CS_OFFL_S	CS_OFFL_SIR_GOPM_2_20210530T123654_20210530T124123_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T134731_C001 CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T134731_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 CS_OFFL_SIR_GOPM_2_20210530T141150_20210530T142031_C001 CS_OFFL_SIR_GO	CS_OFFL_SIR_GOPM_2_20210530T124356_20210530T125812_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001 Backscatter Quality CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T134731_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 Backscatter Quality Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210530T141150_20210530T142031_C001 CS_OFFL_SIR_GOPM_2_20210530T141150_20210530T142031_C001 CS_OFFL_SIR_GOPM_2_20210530T141150_20210530T142031_C001 CS_OFFL_SIR_GOPM_2_20210530T141150_20210530T142031_C001	CS_OFFL_SIR_GOPM_2_20210530T125952_20210530T130235_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T134731_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. 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.	CS_OFFL_SIR_GOPM_2_20210530T130702_20210530T130948_C001		
CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altim	CS_OFFL_SIR_GOPM_2_20210530T134515_20210530T134731_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
US OFFI SIR GOPM / 202105301141150 202105301142031 C001	CS_OFFL_SIR_GOPM_2_20210530T134742_20210530T140853_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20210530T141150_20210530T142031_C001		

CS_OFFL_SIR_GOPM_2_20210530T142316_20210530T144758_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_20210530T152213_20210530T152238_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_20210530T152241_20210530T154743_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_20210530T155406_20210530T155827_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_20210530T160229_20210530T162658_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_20210530T165509_20210530T172647_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_20210530T173320_20210530T173907_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_20210530T174048_20210530T174651_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_20210530T175056_20210530T175736_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_20210530T181815_20210530T181906_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_20210530T183201_20210530T190543_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_20210530T191226_20210530T191739_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_20210530T192037_20210530T192228_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_20210530T192303_20210530T193849_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_20210530T195714_20210530T195753_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_20210530T201138_20210530T202035_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_20210530T202254_20210530T203911_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_20210530T203921_20210530T204443_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_20210530T205046_20210530T205227_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_20210530T205234_20210530T205646_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_20210530T210020_20210530T212059_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_20210530T212135_20210530T212613_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_20210530T212635_20210530T213417_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_20210530T213417_20210530T213523_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_20210530T215210_20210530T220647_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_20210530T220822_20210530T221755_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_20210530T221801_20210530T222405_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_20210530T222603_20210530T223127_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_20210530T223133_20210530T223139_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_20210530T223146_20210530T223405_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_20210530T224234_20210530T225502_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_20210530T225609_20210530T231301_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_20210530T231720_20210530T231824_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_20210530T233603_20210530T234558_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_20210530T234801_20210531T000257_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_20210530T145644_20210530T145807_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T010112_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T024703_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20210530T032702_20210530T033050_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20210530T055148_20210530T055256_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20210530T115406_20210530T115411_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20210530T122624_20210530T122648_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20210530T154743_20210530T154946_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20210530T182050_20210530T182837_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	
CS_OFFL_SIR_GOPR_2_20210530T222405_20210530T222438_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20210530T000449_20210530T000540_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_20210530T002430_20210530T002716_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_20210530T011056_20210530T011454_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_20210530T012226_20210530T012640_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_20210530T014334_20210530T014838_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_20210530T020437_20210530T020836_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_20210530T023323_20210530T023636_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_20210530T024331_20210530T024543_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_20210530T031525_20210530T031735_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_20210530T032124_20210530T032701_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_20210530T033708_20210530T033830_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20210530T034315_20210530T034443_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_20210530T041250_20210530T041419_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_20210530T045943_20210530T050359_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_20210530T070104_20210530T070115_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_20210530T071422_20210530T071456_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_20210530T073907_20210530T074209_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_20210530T084818_20210530T085005_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_20210530T091232_20210530T091537_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_20210530T100308_20210530T100324_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_20210530T100914_20210530T101305_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_20210530T105247_20210530T105521_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_20210530T113219_20210530T113505_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_20210530T115122_20210530T115405_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_20210530T122747_20210530T123354_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_20210530T132249_20210530T132307_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_20210530T133033_20210530T133301_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_20210530T133519_20210530T133641_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_20210530T141008_20210530T141150_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_20210530T142031_20210530T142213_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_20210530T145109_20210530T145225_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

20 OFFLOR DOTAL SIZE (MOTTES DE LE MOTTES DE	CS_OFFL_SIR_GOPN_2_20210530T145644_20210530T145807_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
Control Cont	CS_OFFL_SIR_GOPN_2_20210530T150118_20210530T150121_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS OFFILER COME 2 Not CONTRIBUTION PROPOSED TO THE STATE OF THE STATE	CS_OFFL_SIR_GOPN_2_20210530T150654_20210530T151138_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Set Birth COTAL 2 (2015)31T SERIE 2010(00 1703) LOOK CULOPPLIER (SCHAL) 2 (2015)31T SERIE 2010(00 1703) LOO	CS_OFFL_SIR_GOPN_2_20210530T151228_20210530T151350_C001		, ,
CSD DEF. SIR COPY 2 707-0000T 6103, 20012001 181001, COOR Abstracts Party Cutally PUBM. COOR Abstracts Party Cutally PUBM	CS_OFFL_SIR_GOPN_2_20210530T155827_20210530T160108_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CSC CFFL_SIR_SCPT_2_22216007192610_22216007192610_2016007101600_2016 CSC CFFL_SIR_SCPT_2_22216007192610_22216007192610_2016007101600_2016 CSC CFFL_SIR_SCPT_2_22216007192610_22216007192610_2016007101600_2016 CSC CFFL_SIR_SCPT_2_22216007192610_22216007101600_2016 CSC CFFL_SIR_SCPT_2_22216007192610_22216007101600_2016 CSC CFFL_SIR_SCPT_2_22216007192610_22216007101600_2016 CSC CFFL_SIR_SCPT_2_22216007192610_22216007101600_2016 CSC CFFL_SIR_SCPT_2_22216007192610_22216007101600_2016 CSC CFFL_SIR_SCPT_2_22216007101600_2016007101600_2016 CSC CFFL_SIR_SCPT_2_22216007101600_2016007101600_2016 CSC CFFL_SIR_SCPT_2_22216007101600_2016007101600_2016 CSC CFFL_SIR_SCPT_2_22216007101600_2016007101600_2016007101600_201600710160	CS_OFFL_SIR_GOPN_2_20210530T175736_20210530T175931_C001		
CS_OFF_SIR_COPY_2_200103011 0013 _200103011 0000_20103017 00000_20103017 000000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 000000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 00000_20103017 000000_20103017 00000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20210530T181046_20210530T181116_C001		, ,
CS_OPPL_SIR_GOPPL_2_020105301103091_20105001103004_0_0010 CS_OPPL_SIR_GOPPL_2_020105301103091_20105001103094_0010 CS_OPPL_SIR_GOPPL_2_020105301103094_20105001103094_0010 CS_OPPL_SIR_GOPPL_2_020105301103094_0010010104_001001001001001001001001001001001001001	CS_OFFL_SIR_GOPN_2_20210530T181513_20210530T181636_C001		, ,
OCCG Advancers Range Quality PLBM. CS_OFFL_SIR_GOPN_2_202105507204699_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507204699_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507204699_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507204699_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507204699_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507204699_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507204699_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507205095_CO11 CS_OFFL_SIR_GOPN_2_202105507205095_CO110 CS_OFFL_SIR_GOPN_2_202105507205095_CO110 CS_OFFL_SIR_GOPN_2_202105507205095_CO110 CS_OFFL_SIR_GOPN_2_202105507205095_CO110 CS_OFFL_SIR_GOPN_2_202105507205095_CO110 CS_OFFL_SIR_GOPN_2_20210550700099_202105507000449_CO11 CS_OFFL_SIR_GOPN_2_20210550700099_202105507000449_CO11 CS_OFFL_SIR_GOPN_2_20210550700099_202105507000449_CO11 CS_OFFL_SIR_GOPN_2_20210550700099_202105507000449_CO11 CS_OFFL_SIR_GOPN_2_20210550700099_202105507000449_CO11 CS_OFFL_SIR_GOPN_2_20210550700099_202105507000449_CO11 CS_OFFL_SIR_GOPN_2_20210550700099_202105507000449_CO110 CS_OFFL_SIR_GOPN_2_202105507000449_CO110 CS_OFFL_SIR_GOPN_2_202105507000449_CO110 CS_OFFL_SIR_GOPN_2_202105507000449_CO110 CS_OFFL_SIR_GOPN_2_202105507000449_CO110 CS_OFFL_SIR_GOPN_2_20210550700449_CO110	CS_OFFL_SIR_GOPN_2_20210530T182006_20210530T182050_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20210500T02091_20210507015045_C001 CS_OFFL_SIR_GOPN_2_20210500T02092_0210507015045_C001 CS_OFFL_SIR_GOPN_2_20210500T02093_20210507015045_C001 CS_OFFL_SIR_GOPN_2_20210500T02093_20210507015045_C001 CS_OFFL_SIR_GOPN_2_20210500T02093_20210507015045_C001 CS_OFFL_SIR_GOPN_2_20210500T02093_20210507015045_C001 CS_OFFL_SIR_GOPN_2_20210500T02090_2021050701200_20100000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20210530T190911_20210530T191226_C001		, ,
OCOS Backscatter Quality CS_OFFL_SIR_GOPN_2_202109507204629_202109507205046_C001 CS_OFFL_SIR_GOPN_2_202109507204629_202105070205046_C001 CS_OFFL_SIR_GOPN_2_202109507204629_20210507020506_C001 CS_OFFL_SIR_GOPN_2_20210950720506_20210507020507_C001 CS_OFFL_SIR_GOPN_2_20210507020507_20507_20507_C001 CS_OFFL_SIR_GOPN_2_20210507020507_20507_20507_C001 CS_OFFL_SIR_GOPN_2_20210507020507_20507_C001 CS_OFFL_SIR_GOPN_2_20210507020507_20507_C001 CS_OFFL_SIR_GOPN_2_20210507020507_20507_C001 CS_OFFL_SIR_GOPN_2_20210507020507_20507_C001 CS_OFFL_SIR_GOPN_2_20210507020507_C001 CS_OFFL_SIR_GOPN_2_20210507020507_C001 CS_OFFL_SIR_GOPN_2_20210507020507_C0010507_C001 CS_OFFL_SIR_GOPN_2_20210507_C00507_C0010507_C001 CS_OFFL_SIR_GOPR_2_20210507_C00507_C00507_C0010507_C001 CS_OFFL_SIR_GOPR_2_20210507_C00507_C00507_C0010507_C0	CS_OFFL_SIR_GOPN_2_20210530T193849_20210530T194036_C001	_	
CS_OFFL_SIR_GOPN_2_20210530T245806_20210530T24592_CO01 CS_OFFL_SIR_GOPN_2_20210530T245800_20210530T24592_CO01 CS_OFFL_SIR_GOPN_2_20210530T245800_20210530T24592_CO01 CS_OFFL_SIR_GOPN_2_20210530T245800_20210530T24592_CO01 CS_OFFL_SIR_GOPN_2_20210530T245802_20210530T24592_CO01 CS_OFFL_SIR_GOPN_2_20210530T23524_20210530T235442_CO01 CS_OFFL_SIR_GOPN_2_20210530T23524_20210530T235442_CO01 CS_OFFL_SIR_GOPN_2_20210530T23524_20210530T235442_CO01 CS_OFFL_SIR_GOPN_2_20210530T23524_20210530T235442_CO01 CS_OFFL_SIR_GOPN_2_20210530T23524_20210530T235442_CO01 CCG_OFFL_SIR_GOPN_2_20210530T23524_20210530T235442_CO01 CCG_OFFL_SIR_GOPN_2_20210530T080130_20210530T203442_CO01 CCG_OFFL_SIR_GOPN_2_20210530T080130_20210530T08448_CO01 CCG_OFFL_SIR_GOPN_2_20210530T080130_20210530T08448_CO01 CCG_OFFL_SIR_GOPN_2_20210530T080130_20210530T08448_CO01 CCG_OFFL_SIR_GOPN_2_20210530T080130_20210530T08448_CO01 CCG_OFFL_SIR_GOPN_2_20210530T080130_20210530T08448_CO01 CCG_OFFL_SIR_GOPN_2_20210530T080130_20210530T08448_CO01 CCG_OFFL_SIR_GOPN_2_20210530T080531_20210530T08418_CO01 CCG_OFFL_SIR_GOPN_2_20210530T080531_20210530T0104548_CO01 CCG_OFFL_SIR_GOPR_2_20210530T014688_20210530T010412_CO01 CCG_OFFL_SIR_GOPR_2_20210530T014688_20210530T010400_CO01 CCG_OFFL_SIR_GOPR_2_20210530T014688_20210530T010400_CO01 CCG_OFFL_SIR_GOPR_2_20210530T014688_20210530T010400_CO01 CCG_OFFL_SIR_GOPR_2_20210530T014688_20210530T010400_CO01 CCG_OFFL_SIR_GOPR_2_20210530T014688_20210530T010400_CO01 CCG_OFFL_SIR_GOPR_2_20210530T014688_20210530T010400_CO01 CCG_OFFL_SIR_GOPR_2_20210530T014688_20210530T010400_CO01 CCG_OFFL_SIR_GOPR_2_20210530T014680_CO01 CCG_OFFL_SIR_GOPR_2_20210530T	CS_OFFL_SIR_GOPN_2_20210530T203911_20210530T203920_C001		
OCOG Alimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or note records. CS_OFFL_SIR_GOPN_2_21210530T231302_21210530T231720_C081 CS_OFFL_SIR_GOPN_2_21210530T231302_21210530T231720_C081 CS_OFFL_SIR_GOPN_2_21210530T233241_20210530T031442_C001 CS_OFFL_SIR_GOPN_2_21210530T000130_20210530T000449_C001 CS_OFFL_SIR_GOPN_2_21210530T000130_20210530T000449_C001 CS_OFFL_SIR_GOPN_2_21210530T001105_21210530T000449_C001 CS_OFFL_SIR_GOPN_2_21210530T001105_21210530T000449_C001 CS_OFFL_SIR_GOPN_2_21210530T001105_21210530T000449_C001 CS_OFFL_SIR_GOPN_2_21210530T001105_21210530T000449_C001 CS_OFFL_SIR_GOPN_2_21210530T001105_21210530T000449_C001 CS_OFFL_SIR_GOPN_2_21210530T001105_21210530T001465_C001 CS_OFFL_SIR_GOPN_2_21210530T001105_21210530T001465_C001 CS_OFFL_SIR_GOPN_2_21210530T001105_21210530T001465_C001 CS_OFFL_SIR_GOPN_2_21210530T01105_21210530T001410_C001 CS_OFFL_SIR_GOPN_2_21210530T014038_22210530T015400_C001 CS_OFFL_SIR_GOPN_2_21210530T014038_22210530T015400_C001 CS_OFFL_SIR_GOPN_2_21210530T014038_22210530T015400_C001 CS_OFFL_SIR_GOPN_2_21210530T024145_210530T02417_C001 CS_OFFL_SIR_GOPN_2_21210530T02415_210530T02417_C001 CS_OFFL_SIR_GOPN_2_21210530T02415_20530T02417_C001 CS_OFFL_SIR_GOPN_2_21210530T02415_20530T02417_C001 CS_OFFL_SIR_GOPN_2_21210530T02415_20530T02417_C001 CS_OFFL_SIR_GOPN_2_21210530T02415_20530T02417_C001 CS_OFFL_SIR_	CS_OFFL_SIR_GOPN_2_20210530T204629_20210530T205045_C001		
OCG Backscatter Quality PLRM, OCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPN_2_202105307233241_202105307233442_C001 CS_OFFL_SIR_GOPN_2_202105307000130_202105307000449_C001 CS_OFFL_SIR_GOPR_2_20210530700130_202105307000449_C001 CS_OFFL_SIR_GOPR_2_202105307000130_202105307000449_C001 CS_OFFL_SIR_GOPR_2_202105307000130_202105307000449_C001 CS_OFFL_SIR_GOPR_2_202105307001005_202105307000449_C001 CS_OFFL_SIR_GOPR_2_202105307001005_202105307000449_C001 CS_OFFL_SIR_GOPR_2_202105307001005_202105307000449_C001 CS_OFFL_SIR_GOPR_2_202105307000531_2021053070005416_C001 Alterior Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_202105307005331_202105307005416_C001 CS_OFFL_SIR_GOPR_2_202105307005331_202105307005416_C001 CS_OFFL_SIR_GOPR_2_202105307010106_202105307010106_202105307010112_C001 CS_OFFL_SIR_GOPR_2_202105307010106_202105307010112_C001 CS_OFFL_SIR_GOPR_2_202105307010106_202105307010112_C001 CS_OFFL_SIR_GOPR_2_202105307010106_202105307010106_00010112_C001 CS_OFFL_SIR_GOPR_2_202105307010106_202105307010106_00010112_C001 CS_OFFL_SIR_GOPR_2_202105307010106_202105307010106_00010112_C001 CS_OFFL_SIR_GOPR_2_202105307010106_202105307010106_00010112_C001 CS_OFFL_SIR_GOPR_2_202105307010106_00010112_C001 CS_OFFL_SIR_GOPR_2_20210530701010106_00010112_C001 CS_OFFL_SIR_GOPR_2_20	CS_OFFL_SIR_GOPN_2_20210530T205646_20210530T205759_C001		
CS_OFFL_SIR_GOPN_2_20210530T0233241_20210530T0233442_C001 CS_OFFL_SIR_GOPN_2_20210530T000130_20210530T000449_C001 CS_OFFL_SIR_GOPR_2_20210530T000130_20210530T000449_C001 CS_OFFL_SIR_GOPR_2_20210530T000130_20210530T000449_C001 CS_OFFL_SIR_GOPR_2_20210530T001005_20210530T000449_C001 CS_OFFL_SIR_GOPR_2_20210530T001005_20210530T000451_C001 CS_OFFL_SIR_GOPR_2_20210530T001005_20210530T000451_C001 CS_OFFL_SIR_GOPR_2_20210530T001005_20210530T0005416_C001 CS_OFFL_SIR_GOPR_2_20210530T001006_20210530T0005416_C001 CS_OFFL_SIR_GOPR_2_20210530T001006_20210530T0010106_20210530T00100106_20210530T00100106_20210530T0010	CS_OFFL_SIR_GOPN_2_20210530T213600_20210530T213834_C001		
CS_OFFL_SIR_GOPR_2_20210530T000130_20210530T0000449_C001 CS_OFFL_SIR_GOPR_2_20210530T000130_20210530T0000449_C001 CS_OFFL_SIR_GOPR_2_20210530T001005_20210530T0010651_C001 CS_OFFL_SIR_GOPR_2_20210530T001005_20210530T0010651_C001 CS_OFFL_SIR_GOPR_2_20210530T001005_20210530T0010651_C001 CS_OFFL_SIR_GOPR_2_20210530T005331_20210530T005416_C001 CS_OFFL_SIR_GOPR_2_20210530T005331_20210530T005416_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T010112_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T010112_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T010112_C001 CS_OFFL_SIR_GOPR_2_20210530T014838_20210530T015400_C001 CS_OFFL_SIR_GOPR_2_20210530T014838_20210530T015400_C001 CS_OFFL_SIR_GOPR_2_20210530T020515_20210530T021017_C001 CS_OFFL_SIR_GOPR_2_20210530T020515_20210530T021017_C001 CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T024703_C001 CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T024703_C001 CS_OFFL_SIR_GOPR_2_20210530T032702_20210530T032500_C001 CS_OFFL_SIR_GOPR_2_20210530T032702_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T032702_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T032702_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_20210530T03	CS_OFFL_SIR_GOPN_2_20210530T231302_20210530T231720_C001	•	
CS_OFFL_SIR_GOPR_2_20210530T001005_20210530T001651_C001 CS_OFFL_SIR_GOPR_2_20210530T001005_20210530T001651_C001 CS_OFFL_SIR_GOPR_2_20210530T005331_20210530T005416_C001 CS_OFFL_SIR_GOPR_2_20210530T005331_20210530T005416_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T0010112_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T010112_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T0101012_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T0101012_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T01010102_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T01010102_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T01010102_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T01010102_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T01010102_C001 CS_OFFL_SIR_GOPR_2_20210530T0100530T01010102_C001 CS_OFFL_SIR_GOPR_2_20210530T020015_20210530T021017_C001 CS_OFFL_SIR_GOPR_2_20210530T020015_20210530T0200102_C001 CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T024703_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_20210530	CS_OFFL_SIR_GOPN_2_20210530T233241_20210530T233442_C001	1	
CS_OFFL_SIR_GOPR_2_20210530T001005_20210530T001651_C001 and Backscatter Quality PLRM. COG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T010112_C001 CS_OFFL_SIR_GOPR_2_20210530T014838_20210530T015400_C001 CS_OFFL_SIR_GOPR_2_20210530T014838_20210530T015400_C001 CS_OFFL_SIR_GOPR_2_20210530T020915_20210530T021017_C001 CS_OFFL_SIR_GOPR_2_20210530T020915_20210530T021017_C001 CS_OFFL_SIR_GOPR_2_20210530T020915_20210530T024703_C001 CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T024703_C001 CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T024703_C001 CS_OFFL_SIR_GOPR_2_20210530T032702_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T032702_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T03	CS_OFFL_SIR_GOPR_2_20210530T000130_20210530T000449_C001		
CS_OFFL_SIR_GOPR_2_20210530T005331_20210530T005416_C001 and Backscatter Quality PLRM. CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T010112_C001 CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T010112_C001 CS_OFFL_SIR_GOPR_2_20210530T014838_20210530T015400_C001 CS_OFFL_SIR_GOPR_2_20210530T014838_20210530T015400_C001 CS_OFFL_SIR_GOPR_2_20210530T014838_20210530T015400_C001 CS_OFFL_SIR_GOPR_2_20210530T02915_20210530T021017_C001 CS_OFFL_SIR_GOPR_2_20210530T020915_20210530T024017_C001 CS_OFFL_SIR_GOPR_2_20210530T020915_20210530T024703_C001 CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T024703_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_20210530T033050_C001 Altimeter Range and Backscatter Quality PLRM COGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM COGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM COGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM COGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM COGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM COGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM COGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM COGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, COGA Altimeter Range and Backscatter Quality PLRM COGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, COGA Altimeter Range and Backscatter Quality PLRM COGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, COGA Altimeter Range and Backscatter Quality PLRM COGA Altimeter Range, SSHA, SWH and Backscatter Quality Plags and the OCOGA Altimeter Range and Backscatter Quality Plags and the OCOGA Altimeter Range and Backscatter Quality Plags and the OCOGA Altimeter Range and Backscatter Quality Plags and the OCOGA Altimeter Range and Backscatter Quality Plags and the OCOGA Altimeter Range and Backscatter Quality Plags and the OCOGA Altimeter Range and Backscatter Quality Plags and the OCOGA Altimeter Range and Backscatter	CS_OFFL_SIR_GOPR_2_20210530T001005_20210530T001651_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20210530T014838_20210530T015400_C001 CS_OFFL_SIR_GOPR_2_20210530T014838_20210530T015400_C001 CS_OFFL_SIR_GOPR_2_20210530T020915_20210530T021017_C001 CS_OFFL_SIR_GOPR_2_20210530T020915_20210530T021017_C001 CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T024703_C001 CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T024703_C001 CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T03305	CS_OFFL_SIR_GOPR_2_20210530T005331_20210530T005416_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20210530T010106_20210530T010112_C001		, ,
and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T024703_C001 CS_OFFL_SIR_GOPR_2_20210530T032702_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T032702_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_C001 CS_OFFL_SIR_GOPR_2_20210530T033050_C001 CS_OFFL	CS_OFFL_SIR_GOPR_2_20210530T014838_20210530T015400_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T024703_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Alti	CS_OFFL_SIR_GOPR_2_20210530T020915_20210530T021017_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20210530T032702_20210530T033050_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality F	CS_OFFL_SIR_GOPR_2_20210530T024543_20210530T024703_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20210530T033050_20210530T033619_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Plags Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_GOPR_2_20210530T032702_20210530T033050_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPR_2_20210530T033050_20210530T033619_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPR_2_20210530T042435_20210530T042643_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
	Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Pange, SSHA, SWH	set for one or more records.
CS_OFFL_SIR_GOPR_2_20210530T050359_20210530T051140_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_20210530T051433_20210530T051633_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_20210530T055148_20210530T055256_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_20210530T064321_20210530T065001_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_20210530T065002_20210530T065302_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_20210530T065701_20210530T065833_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_20210530T074209_20210530T074536_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_20210530T082147_20210530T082901_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_20210530T082902_20210530T083059_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_20210530T090903_20210530T091232_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_20210530T092322_20210530T092512_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_20210530T100141_20210530T100307_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_20210530T100325_20210530T100758_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_20210530T100759_20210530T100913_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_20210530T104550_20210530T105247_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_20210530T114129_20210530T114635_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_20210530T121024_20210530T121236_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_20210530T130235_20210530T130506_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_20210530T130506_20210530T130702_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_20210530T132308_20210530T132728_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_20210530T132945_20210530T133033_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_20210530T133301_20210530T133519_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_20210530T140853_20210530T141007_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_20210530T150122_20210530T150227_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_20210530T150247_20210530T150654_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.

	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_GOPR_2_20210530T154743_20210530T154946_C001	Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20210530T160109_20210530T160229_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_20210530T163150_20210530T163227_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_20210530T163715_20210530T164734_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_20210530T172647_20210530T172930_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_20210530T174651_20210530T175056_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_20210530T180606_20210530T180849_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_20210530T181636_20210530T181709_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_20210530T182050_20210530T182837_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_20210530T194803_20210530T194956_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_20210530T195753_20210530T200013_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_20210530T200041_20210530T201138_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_20210530T204444_20210530T204629_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_20210530T205800_20210530T210019_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_20210530T213524_20210530T213600_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_20210530T214023_20210530T214801_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_20210530T223551_20210530T224234_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_20210530T231933_20210530T232454_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_20210530T232527_20210530T232650_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors: 209

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

Number of products with errors: 68

L2 Retracking Flags (20Hz, PLRM)

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

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

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).

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

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

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Product	Test Failed	Description
	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_GOP_220210529T232153_20210530T001131_C002	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	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_220210530T001131_20210530T010108_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_220210530T010108_20210530T015046_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220210530T015046_20210530T024023_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_220210530T024023_20210530T033001_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_220210530T033001_20210530T041937_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_220210530T041937_20210530T050916_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220210530T050916_20210530T055852_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_220210530T055852_20210530T064830_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_220210530T064830_20210530T073807_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_220210530T073807_20210530T082745_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_220210530T082745_20210530T091721_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_220210530T091721_20210530T100659_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_220210530T100659_20210530T105636_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220210530T105636_20210530T114614_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_220210530T114614_20210530T123551_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220210530T123551_20210530T132529_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_220210530T132529_20210530T141505_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_220210530T141505_20210530T150444_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_220210530T150444_20210530T155420_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_220210530T155420_20210530T164358_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_220210530T164358_20210530T173335_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_220210530T173335_20210530T182313_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220210530T182313_20210530T191249_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_220210530T191249_20210530T200228_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_220210530T200228_20210530T205204_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_220210530T205204_20210530T214142_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220210530T214142_20210530T223119_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_220210530T223119_20210530T232057_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220210530T232057_20210531T001033_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220210530T001131_20210530T010108_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220210530T064830_20210530T073807_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220210530T132529_20210530T141505_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220210530T223119_20210530T232057_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors: 29

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors: 30

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors: 30

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

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

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

Number of products with errors: 27

P2P Retracking Flags PLRM

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

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

Number of products with errors: 30

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	162	162	1	161	0
SIR_GOPR1B	121	121	0	121	0
SIR_GOPN1B	106	106	3	102	1
SIR_GOPM_2	162	162	104	58	0
SIR_GOPR_2	121	121	32	89	0

SIR_GOP_P2P 29 29 1	SIR_GOPN_2 SIR_GOP_P2P	106	106	42	63	1
	SIR_GOP_P2P	29	29	0	28	1

Total number of occurrences of each error

3

29

Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	AISSOPOBHRNC	-	-	-	-
SIR_GOPN1B	0	0	0	0	0	0	1				
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOP_2_	1	1	1	1							
Test Description Key:											
Abbreviation	Test na	me		Details							

Test Description Key:	Test Description Key:				
Abbreviation	Test name	Details			
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7			
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6			
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7			
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7			
RL	RangeLongitude_6	Longitude should be between -180E6 and 180E6			
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7			
RRTAISSOPOBHRNCD	RangeRecordTAIStartStopOPOrBlankHRNetC	The time value should be between the the record TAI start/stop times of the MPH with a margin of 0.5 s - NetCDF			

7.2 QCC Warnings

SIR_GOP_2_

Number of QCC reports with errors:

Number of QCC reports with warnings 2351

Total number of occurrences of each warning

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Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_GOPM1B	161	0	0	0	0	0	0
SIR_GOPM_2	0	0	44	46	1	45	0
SIR_GOPN1B	101	0	0	0	0	0	0
SIR_GOPN_2	0	1	10	34	7	31	31
SIR_GOPR1B	116	0	0	0	0	0	0
SIR_GOPR_2	0	0	42	59	1	36	34

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCI	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	36	0	37	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	25	1	0	0	28	0	37
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	14	0	0	59	0	67	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	32	0	0	3	29	0	4
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	30	21	47	53	29
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	0	56	0	1	73	43	10

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	38	0	1	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	51	1
SIR_GOPN_2	28	31	14	0	2	0	0
SIR_GOPR1B	0	0	0	1	0	121	10
SIR GOPR 2	41	61	2	0	6	0	0

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR GOP 2	17	28	29	7	29	17	29

Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_GOP_2_	1	17	29	25	18	29	19
Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-

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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	MissingValueIntOceanNetCDF	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
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean
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
	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 -	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
RSWHOEPFDPLRMN()F	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_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch
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:

0