



1. Overview

Report Production:	26-Jun-2023	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

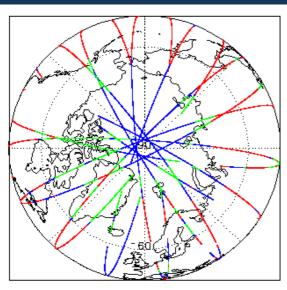
We would love to hear from you!

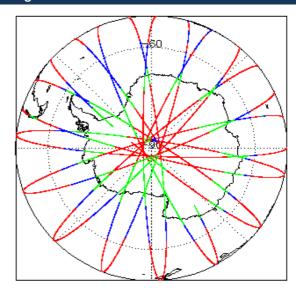
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

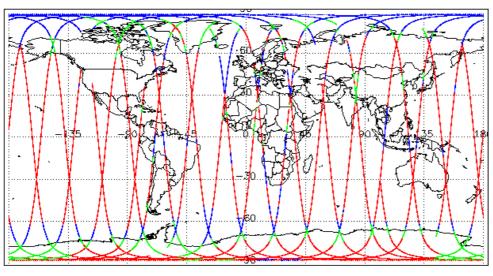
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 5.2
Auxiliary Data File Usage Check	See Section 4.3 and 5.3
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7
QCC Error/ Warning Check	See Section 7.2

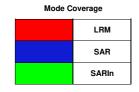
Mission	Mission / Instrument News	
24-Jun-	-2023	None
25-Jun-	-2023	None
26-Jun-	-2023	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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 NOPR and NOPN 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.

> Dynamic Atmospheric Correction: The DAC is missing in all products because the auxiliary files required are not available in time for processing. This known and expected behaviour.

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

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4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. The attitude correction is not actually missing, This is being investigated and will be updated in the next SW update.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20230625T105614_20230625T110804_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20230625T123917_20230625T125026_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 occasional products over land, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20230625T011750_20230625T011845_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20230625T062923_20230625T070414_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20230625T080805_20230625T081546_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20230625T162237_20230625T162816_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20230625T171523_20230625T175016_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20230625T185358_20230625T192958_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20230625T223001_20230625T223924_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20230625T230609_20230625T231848_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230625T043940_20230625T044037_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230625T075423_20230625T075515_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230625T111232_20230625T111528_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230625T111607_20230625T111818_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230625T175942_20230625T180030_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230625T211720_20230625T212225_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230625T232321_20230625T232430_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230625T233222_20230625T233351_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230625T062019_20230625T062923_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230625T080008_20230625T080805_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230625T111126_20230625T111232_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230625T134025_20230625T134236_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230625T161245_20230625T161938_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Wind Model File Usage: This file is currently not included in all L2 products.

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.
- > Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.

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- > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20230625T011750_20230625T011845_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPM_2_20230625T042833_20230625T042942_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPM_2_20230625T230609_20230625T231848_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_NOPN_2_20230625T002958_20230625T003133_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230625T004026_20230625T004227_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230625T012152_20230625T012254_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_NOPN_2_20230625T012631_20230625T013116_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_NOPN_2_20230625T021816_20230625T022044_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_NOPN_2_20230625T030036_20230625T030210_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_NOPN_2_20230625T030512_20230625T030620_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_NOPN_2_20230625T034914_20230625T035306_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20230625T043940_20230625T044037_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230625T052859_20230625T053213_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_NOPN_2_20230625T053728_20230625T053840_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230625T061927_20230625T062018_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230625T070624_20230625T071047_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_NOPN_2_20230625T071631_20230625T071751_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_NOPN_2_20230625T075423_20230625T075515_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230625T075557_20230625T075757_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20230625T085405_20230625T085553_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230625T093811_20230625T093913_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_NOPN_2_20230625T094443_20230625T094532_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230625T103212_20230625T103600_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_NOPN_2_20230625T111607_20230625T111818_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_NOPN_2_20230625T120218_20230625T120426_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230625T121116_20230625T121540_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_NOPN_2_20230625T125250_20230625T125641_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_NOPN_2_20230625T125701_20230625T125809_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_NOPN_2_20230625T134236_20230625T134509_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_NOPN_2_20230625T135231_20230625T135414_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230625T170139_20230625T170257_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230625T170829_20230625T171146_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_NOPN_2_20230625T184102_20230625T184217_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_NOPN_2_20230625T184726_20230625T185040_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20230625T202159_20230625T202435_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_NOPN_2_20230625T202631_20230625T203209_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_NOPN_2_20230625T211011_20230625T211152_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230625T211720_20230625T212225_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_NOPN_2_20230625T215947_20230625T220156_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_NOPN_2_20230625T224950_20230625T225100_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230625T225628_20230625T225736_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_NOPN_2_20230625T233222_20230625T233351_C001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20230625T233929_20230625T234140_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_NOPR_2_20230625T012254_20230625T012631_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_NOPR_2_20230625T030210_20230625T030512_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_NOPR_2_20230625T030620_20230625T030703_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_NOPR_2_20230625T042942_20230625T043120_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20230625T044037_20230625T044826_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_NOPR_2_20230625T062019_20230625T062923_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_NOPR_2_20230625T080008_20230625T080805_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_NOPR_2_20230625T093913_20230625T094443_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_NOPR_2_20230625T110804_20230625T110906_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20230625T111818_20230625T112353_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_NOPR_2_20230625T125642_20230625T125701_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_NOPR_2_20230625T125809_20230625T130153_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_NOPR_2_20230625T130228_20230625T130352_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20230625T143425_20230625T144156_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_NOPR_2_20230625T161245_20230625T161938_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_NOPR_2_20230625T162926_20230625T163122_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

CS_OFFL_SIR_NOPR_2_20230625T215600_20230625T215947_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230625T225100_20230625T225628_C001	(//	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

ProductTest FailedDescriptionCS_OFFL_SIR_NOPM_2_20230625T105614_20230625T110804_C001Power scaling errorThere is an error in the scaling of the L2 waveform for one or more recordsCS_OFFL_SIR_NOPM_2_20230625T123917_20230625T125026_C001Power scaling errorThere 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 (20 Hz)

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20230624T235625_20230625T000335_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_NOPM_2_20230625T000458_20230625T002817_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_NOPM_2_20230625T003133_20230625T004026_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_NOPM_2_20230625T004322_20230625T010626_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_NOPM_2_20230625T013335_20230625T020723_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_NOPM_2_20230625T021350_20230625T021816_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_NOPM_2_20230625T022238_20230625T024612_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_NOPM_2_20230625T025910_20230625T025923_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_NOPM_2_20230625T031524_20230625T031811_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_NOPM_2_20230625T031840_20230625T034557_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_NOPM_2_20230625T035306_20230625T035855_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_NOPM_2_20230625T040125_20230625T042653_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_NOPM_2_20230625T045132_20230625T052506_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_NOPM_2_20230625T053213_20230625T053727_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_NOPM_2_20230625T054412_20230625T054750_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_NOPM_2_20230625T055413_20230625T055554_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_NOPM_2_20230625T061443_20230625T061841_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_NOPM_2_20230625T062923_20230625T070414_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_NOPM_2_20230625T071047_20230625T071214_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_NOPM_2_20230625T072059_20230625T073138_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_NOPM_2_20230625T073326_20230625T074043_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_NOPM_2_20230625T074139_20230625T074544_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_NOPM_2_20230625T080805_20230625T081546_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_NOPM_2_20230625T081726_20230625T084319_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_NOPM_2_20230625T090217_20230625T091447_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_NOPM_2_20230625T091515_20230625T093215_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_NOPM_2_20230625T095457_20230625T100539_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_NOPM_2_20230625T100742_20230625T102226_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_NOPM_2_20230625T102514_20230625T103012_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_NOPM_2_20230625T103919_20230625T104954_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_NOPM_2_20230625T105614_20230625T110804_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_NOPM_2_20230625T114707_20230625T120134_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_NOPM_2_20230625T120931_20230625T120943_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_NOPM_2_20230625T120949_20230625T120958_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_NOPM_2_20230625T121717_20230625T123904_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_NOPM_2_20230625T123917_20230625T125026_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_NOPM_2_20230625T131730_20230625T133814_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_NOPM_2_20230625T133902_20230625T134025_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_NOPM_2_20230625T134509_20230625T134841_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_NOPM_2_20230625T134904_20230625T135231_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_NOPM_2_20230625T135551_20230625T142153_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_NOPM_2_20230625T145519_20230625T152029_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_NOPM_2_20230625T152258_20230625T152756_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_NOPM_2_20230625T152804_20230625T153132_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_NOPM_2_20230625T153537_20230625T160934_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_NOPM_2_20230625T162237_20230625T162816_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_NOPM_2_20230625T165807_20230625T165924_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_NOPM_2_20230625T170257_20230625T170829_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_NOPM_2_20230625T171523_20230625T175016_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_NOPM_2_20230625T180117_20230625T180248_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_NOPM_2_20230625T182050_20230625T183753_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_NOPM_2_20230625T184217_20230625T184726_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_NOPM_2_20230625T185358_20230625T192958_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_NOPM_2_20230625T194131_20230625T194148_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_NOPM_2_20230625T195204_20230625T195644_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_NOPM_2_20230625T195721_20230625T201500_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_NOPM_2_20230625T202435_20230625T202631_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_NOPM_2_20230625T203403_20230625T204705_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_NOPM_2_20230625T204826_20230625T211000_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_NOPM_2_20230625T212251_20230625T214005_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_NOPM_2_20230625T214148_20230625T215559_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_NOPM_2_20230625T220338_20230625T220542_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_NOPM_2_20230625T220641_20230625T221044_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_NOPM_2_20230625T221252_20230625T222706_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_NOPM_2_20230625T223001_20230625T223924_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_NOPM_2_20230625T230609_20230625T231848_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_NOPM_2_20230625T232430_20230625T233222_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_NOPM_2_20230625T233351_20230625T233656_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_NOPM_2_20230625T234140_20230625T234947_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_NOPM_2_20230625T235226_20230626T000729_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230625T053728_20230625T053840_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_NOPN_2_20230625T093811_20230625T093913_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230625T144156_20230625T144227_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_NOPR_2_20230625T030620_20230625T030703_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_NOPR_2_20230625T055209_20230625T055320_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_NOPR_2_20230625T130228_20230625T130352_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_NOPR_2_20230625T162115_20230625T162236_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_NOPR_2_20230625T165150_20230625T165445_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_NOPR_2_20230625T180432_20230625T180718_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz 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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20230625T002958_20230625T003133_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_NOPN_2_20230625T010636_20230625T010642_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_NOPN_2_20230625T011615_20230625T011626_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_NOPN_2_20230625T012152_20230625T012254_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_NOPN_2_20230625T012631_20230625T013116_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_NOPN_2_20230625T013214_20230625T013335_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_NOPN_2_20230625T020935_20230625T021103_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_NOPN_2_20230625T021244_20230625T021350_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_NOPN_2_20230625T021816_20230625T022044_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_NOPN_2_20230625T030036_20230625T030210_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_NOPN_2_20230625T043456_20230625T043619_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_NOPN_2_20230625T043940_20230625T044037_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_NOPN_2_20230625T045013_20230625T045132_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

CQ_OFT_SE_DONL_SERORSTISSISS_SOMESTISSISS_DON CQ_OFT_SE_DONL_SERORSTISSISS_SOMESTISSISS_DON CQ_OFT_SE_DONL_SERORSTISSISS_SOMESTISSISS_DON CQ_OFT_SE_DONL_SERORSTISSISS_SOMESTISSISS_DON CQ_OFT_SE_DONL_SERORSTISSISS_SOMESTISSISS_DON CQ_OFT_SE_DONL_SERORSTISSISS_SOMESTISSISS_DON CQ_OFT_SE_DONL_SERORSTISSISS_SOMESTISSISS_DON CQ_OFT_SE_DONL_SERORSTISSISS_SOMESTISSISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISSISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISSISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISSISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISSISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISSISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISS_DON CQ_OFT_SE_DONL_SE_DONL_SERORSTISS_DON CQ_OFT_SE_DONL_SE_DON	CS_OFFL_SIR_NOPN_2_20230625T052859_20230625T053213_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, 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
CB_OFF_SRI_NOPIL_2_X020825T10012_X020825T100	CS_OFFL_SIR_NOPN_2_20230625T053728_20230625T053840_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, 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
DOG Generator Coasts y First Robons 2 COLOFFELSIEL NOPN 2, 20200627104627_0000625709019.001 COLOFFELSIEL NOPN 2, 20200627104627_0000625709019.001 COLOFFELSIEL NOPN 2, 20200627104627_00006257019019.001 COLOFFELSIEL NOPN 2, 20200627104627_0000625709019.001 COLOFFELSIEL NOPN 2, 20200627104627_0000625709019.001 COLOFFELSIEL NOPN 2, 20200627104627_0000625709019.001 COLOFFELSIEL NOPN 2, 20200627104627_0000625709019.001 COLOFFELSIEL NOPN 2, 20200627104627_00006257109019.001 COLOFFELSIEL NOPN 2, 202006271102019_00006257109019.001 COLOFFELSIEL NOPN 2, 202006271102019_000062571109019.001 COLOFFELSIEL NOPN 2, 202006271102019_000062571109019.001 COLOFFELSIEL NOPN 2, 202006271102019_000062571109019.001 COLOFFELSIEL NOPN 2, 2020062711102019_000062571109019.001 COLOFFELSIEL NOPN 2, 2020062711109019.001 COLOFFELSIEL NOPN 2,	CS_OFFL_SIR_NOPN_2_20230625T055554_20230625T055609_C001	OCOG Altimeter Range Quality PLRM,	
ord Subsection Coulty PLRA, COCIA Information and electrocetic Quality CS_OFFL_SRILNOPN_2_20200651707084_25000651707097_0889 CS_OFFL_SRILNOPN_2_20200651707084_25000651707097_0899 CS_OFFL_SRILNOPN_2_20200651707082_2000651707097_0899 CS_OFFL_SRILNOPN_2_20200651707082_2000651707097_0899 CS_OFFL_SRILNOPN_2_20200651707092_2000651707097_0899 CS_OFFL_SRILNOPN_2_20200651707092_2000651707097_0899 CS_OFFL_SRILNOPN_2_20200651707092_2000651707097_0899 CS_OFFL_SRILNOPN_2_20200651707092_2000651707097_0899 CS_OFFL_SRILNOPN_2_20200651707097_08999 CS_OFFL_SRILNOPN_2_20200651707097_089999 CS_OFFL_SRILNOPN_2_20200651707097_089999999999999999999999999999999	CS_OFFL_SIR_NOPN_2_20230625T060939_20230625T061031_C001		
SS_OFFL_SIR_NOPN_2_proposest109203_20236551107631_C0B1 SS_OFFL_SIR_NOPN_2_proposest109203_20236551107631_C0B1 CS_OFFL_SIR_NOPN_2_proposest109203_20236551107631_C0B1 CS_OFFL_SIR_NOPN_2_proposest109203_20236551107631_C0B1 CS_OFFL_SIR_NOPN_2_proposest109203_20236551107631_C0B1 CS_OFFL_SIR_NOPN_2_proposest109203_2023655110932_C0B1 CS_OFFL_SIR_NOPN_2_proposest1109203_2023655110932_C0B1 CS_OFFL_SIR_NOPN_2_proposest1109203_2023655110932_C0B1 CS_OFFL_SIR_NOPN_2_proposest1109203_20236551110932_C0B1 CS_OFFL_SIR_NOPN_2_proposest1109203_20236551110932_C0B1 CS_OFFL_SIR_NOPN_2_proposest1109203_20236551110932_C0B1 CS_OFFL_SIR_NOPN_2_proposest1109203_2023655111093_C0B1 CS_OFFL_SIR_NOPN_2_proposest1109203_2023655111093_C0B1 CS_OFFL_SIR_NOPN_2_proposest1109203_2023655111093_C0B1 CS_OFFL_SIR_NOPN_2_proposest1109203_2023655111093_C0B1 CS_OFFL_SIR_NOPN_2_proposest1109203_2023655111093_C0B1 CS_OFFL_SIR_NOPN_2_proposest1109203_202365511093_C0B1 CS_OFFL_SIR_NOPN_2_proposest1109203_202365511093	CS_OFFL_SIR_NOPN_2_20230625T061927_20230625T062018_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_NOPN_2_20200625T193012_2020065T1930400_C001 CS_OFFL_SIR_NOPN_2_20200625T193012_2020065T1930400_C001 CS_OFFL_SIR_NOPN_2_20200625T193012_2020065T1930400_C001 CS_OFFL_SIR_NOPN_2_20200625T193012_2020065T1930400_C001 CS_OFFL_SIR_NOPN_2_20200625T193012_2020065T1930400_C001 CS_OFFL_SIR_NOPN_2_20200625T193012_20200625T193012_000005T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T193012_20200625T193012_00005T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T193012_000055T193012_00005T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T193012_000055T193012_00005T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T192012_000055T193012_00005T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T192012_000055T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T192012_000055T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T192012_000055T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T192012_000055T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T192012_000055T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T192012_000055T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T192012_000055T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T192012_000055T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T192012_000055T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T193012_000055T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T193012_000055T193010_C001 CS_OFFL_SIR_NOPN_2_20200625T193001_C001 CS_OFFL_SIR_NOPN_2_20200625T193001_C001 CS_OFFL_SIR_NOPN_2_20200625T193001_C001 CS_OFFL_SIR_NOPN_2_20200625T193001_C00055T193001_C001 CS_OFFL_SIR_NOPN_2_20200625T193001_C00055T193001_C001 CS_OFFL_SIR_NOPN_2_20200625T193001_C00055T193001_C001 CS_OFFL_SIR_NOPN_2_20200625T193001_C00055T193001_C001 CS_OFFL_SIR_NOPN_2_20200625T193001_C00055T193001	CS_OFFL_SIR_NOPN_2_20230625T070624_20230625T071047_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_NOPN_2_0020025710212_0020025710303_0001	CS_OFFL_SIR_NOPN_2_20230625T075423_20230625T075515_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Caulity PLRA. COCO. Allmeter Rapps and Backscatter Caulity Plags have been set for one or more records. CS_OFFL_SIR_NOPN_2_28239825T19323_20239825T19383.CO01 CS_OFFL_SIR_NOPN_2_28239825T19323_20239825T19383.CO01 CS_OFFL_SIR_NOPN_2_28239825T19323_20239825T19383.CO01 CS_OFFL_SIR_NOPN_2_28239825T19323_20239825T19383.CO01 CS_OFFL_SIR_NOPN_2_28239825T19333_20239825T19383.CO01 CS_OFFL_SIR_NOPN_2_28239825T19333_20239825T193498_CO01 CS_OFFL_SIR_NOPN_2_28239825T19333_20239825T19358_CO01 CS_OFFL_SIR_NOPN_2_28239825T19333_20239825T193528_CO01 CS_OFFL_SIR_NOPN_2_28239825T19333_20239825T193288_CO01 CS_OFFL_SIR_NOPN_2_28239825T19333_20239825T193288_CO01 CS_OFFL_SIR_NOPN_2_28239825T19334_20239825T193288_CO01 CS_OFFL_SIR_NOPN_2_28239825T19334_20239825T193288_CO01 CS_OFFL_SIR_NOPN_2_28239825T19334_20239825T193288_CO01 CS_OFFL_SIR_NOPN_2_28239825T19334_20239825T193288_CO01 CS_OFFL_SIR_NOPN_2_28239825T19334_20239825T193490_CO01 CS_OFFL_SIR_NOPN_2_28239825T19334_20239825T193490_CO01 CS_OFFL_SIR_NOPN_2_28239825T19334_20239825T193490_CO01 CS_OFFL_SIR_NOPN_2_28239825T19334_20239825T193490_CO01 CS_OFFL_SIR_NOPN_2_28239825T19334_20239825T193490_CO01 CS_OFFL_SIR_NOPN_2_28239825T193490_20239825T193490_CO01 CS_OFFL_SIR_NOPN_2_28239825T193490_20239825T193490_CO01 CS_OFFL_SIR_NOPN_2_282398255T193939_20239825T193490_CO01 CS_OFFL_SIR_NOPN_2_282398255T193939	CS_OFFL_SIR_NOPN_2_20230625T093235_20230625T093400_C001		
and dashescater Quality PLRM, COOG Allimeter Range and Backscatter Quality PLRM, COOG Backscatter Quality	CS_OFFL_SIR_NOPN_2_20230625T103212_20230625T103600_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, COCG Affirmeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20230625T12353_20230625T12533_CO01 CS_OFFL_SIR_NOPN_2_20230625T120218_20230625T120406_CO01 CS_OFFL_SIR_NOPN_2_20230625T120218_20230625T120406_CO01 CS_OFFL_SIR_NOPN_2_20230625T120218_20230625T120406_CO01 CS_OFFL_SIR_NOPN_2_20230625T120218_20230625T12540_CO01 CS_OFFL_SIR_NOPN_2_20230625T120218_20230625T12540_CO01 CS_OFFL_SIR_NOPN_2_20230625T125503_20230625T12540_CO01 CS_OFFL_SIR_NOPN_2_20230625T125503_20230625T12560_CO01 CS_OFFL_SIR_NOPN_2_20230625T125503_20230625T12560_CO01 CS_OFFL_SIR_NOPN_2_20230625T125503_20230625T12560_CO01 CS_OFFL_SIR_NOPN_2_20230625T125503_20230625T12560_CO01 CS_OFFL_SIR_NOPN_2_20230625T125503_20230625T12560_CO01 CS_OFFL_SIR_NOPN_2_20230625T125503_20230625T12560_CO01 CS_OFFL_SIR_NOPN_2_20230625T125503_20230625T12560_CO01 CS_OFFL_SIR_NOPN_2_20230625T125030_20230625T125050_CO01 CS_OFFL_SIR_NOPN_2_20230625T125030_20230625T125050_CO01 CS_OFFL_SIR_NOPN_2_20230625T125030_20230625T13256_CO01 COCG Affirmeter Range Quality PLRM, COCG Backscatter Quality The COCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_20230625T125030_C001 CS_OFFL_SIR_NOPN_2_20230625T150034_20230625T16055_C001 CCG_OFFL_SIR_NOPN_2_20230625T160934_20230625T16055_C001 CCG_OFFL_SIR_NOPN_2_20230625T160934_20230	CS_OFFL_SIR_NOPN_2_20230625T103731_20230625T103837_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality PLRM The OCOG Range	CS_OFFL_SIR_NOPN_2_20230625T111232_20230625T111528_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_20230625T121116_20230625T121540_0001 CS_OFFL_SIR_NOPN_2_20230625T121116_20230625T121540_0001 CS_OFFL_SIR_NOPN_2_20230625T121116_20230625T12540_0001 CS_OFFL_SIR_NOPN_2_20230625T125053_20230625T125150_0001 CS_OFFL_SIR_NOPN_2_20230625T125053_20230625T125150_0001 CS_OFFL_SIR_NOPN_2_20230625T125050_20230625T125150_0001 CS_OFFL_SIR_NOPN_2_20230625T125050_20230625T135130_0001 CS_OFFL_SIR_NOPN_2_20230625T135134_20230625T135256_0001 CS_OFFL_SIR_NOPN_2_20230625T13134_20230625T131256_0001 CS_OFFL_SIR_NOPN_2_20230625T152129_20230625T131256_0001 CS_OFFL_SIR_NOPN_2_20230625T152129_20230625T1625258_0001 CS_OFFL_SIR_NOPN_2_20230625T152129_20230625T162355_0001 CCS_OFFL_SIR_NOPN_2_20230625T160934_20230625T16033_0001 CCS_OFFL_SIR_NOPN_2_20230625T160934_20230625T164133_0001 CCS_OFFL_SIR_NOPN_2_20230625T160934_20230625T164133_0001 CCS_OFFL_SIR_NOPN_2_20230625T160934_20230625T171146_0001 CCS_OFFL_SIR_NOPN_2_20230625T170829_20230625T171146_0001 CCS_OFFL_SIR_NOPN_2_20230625T180955_20230625T194112_0001 CCS_OFFL_SIR_NOPN_2_20230625T19330_20230625T194112_0001 CCS_OFFL_SIR_NOPN_2_20230625T19330_20230625T194112_0001 CCS_OFFL_SIR_NOPN_2_20230625T19330_20230625T194112_0001 CCS_OFFL_SIR_NOPN_2_20230625T19330_20230625T194112_0001 CCS_OFFL_SIR_NOPN_2_20230625T19330_20230625T194112_0001 CCS_OFFL_SIR_NOPN_2_20230625T19330_20230625T194112_0001 CCS_OFFL_SIR_NOPN_2_20230625T19330_20230625T194112_0001 CCS_OFFL_SIR_NOPN_2_20230625T19330_20230625T194112_0001 CCS_OFFL_SIR	CS_OFFL_SIR_NOPN_2_20230625T112353_20230625T112533_C001		
and Backscatter Quality PLRM. COCG Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_NOPN_2_20230625T125150_2001 CS_OFFL_SIR_NOPN_2_20230625T125053_20230625T125641_C001 CS_OFFL_SIR_NOPN_2_20230625T12550_20230625T125641_C001 CS_OFFL_SIR_NOPN_2_20230625T13134_20230625T125641_C001 CS_OFFL_SIR_NOPN_2_20230625T13134_20230625T13256_C001 CS_OFFL_SIR_NOPN_2_20230625T15228_20230625T15258_C001 CS_OFFL_SIR_NOPN_2_20230625T15228_20230625T15258_C001 CS_OFFL_SIR_NOPN_2_20230625T15228_20230625T15258_C001 CS_OFFL_SIR_NOPN_2_20230625T15228_20230625T16053_C001 CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T16053_C001 CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T16053_C001 CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T16053_C001 CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T16053_C001 CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T16053_C001 CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T160934_C0030625T1609	CS_OFFL_SIR_NOPN_2_20230625T120218_20230625T120426_C001		
OCG Altimeter Range Quality PLRM. OCG Backscatter Quality PLRM. OC	CS_OFFL_SIR_NOPN_2_20230625T121116_20230625T121540_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_NOPN_2_20230625T131134_20230625T131256_C001 CS_OFFL_SIR_NOPN_2_20230625T152129_20230625T15258_C001 CS_OFFL_SIR_NOPN_2_20230625T169334_20230625T15258_C001 CS_OFFL_SIR_NOPN_2_20230625T169334_20230625T16053_C001 CS_OFFL_SIR_NOPN_2_20230625T169355_20230625T161053_C001 CS_OFFL_SIR_NOPN_2_20230625T163955_20230625T164133_C001 CS_OFFL_SIR_NOPN_2_20230625T163955_20230625T164133_C001 CS_OFFL_SIR_NOPN_2_20230625T163955_20230625T164133_C001 CS_OFFL_SIR_NOPN_2_20230625T163955_20230625T164133_C001 CS_OFFL_SIR_NOPN_2_20230625T170829_20230625T164133_C001 CS_OFFL_SIR_NOPN_2_20230625T170829_20230625T185040_C001 CS_OFFL_SIR_NOPN_2_20230625T184726_20230625T185040_C001 CS_OFFL_SIR_NOPN_2_20230625T193330_20230625T194012_C001 CS_OFFL_SIR_NOPN_2_20230625T193330_20230625T194012_C00	CS_OFFL_SIR_NOPN_2_20230625T125053_20230625T125150_C001		
CS_OFFL_SIR_NOPN_2_20230625T152129_20230625T161053_C001 CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T161053_C001 CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T161053_C001 CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T161053_C001 CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T161053_C001 CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T161053_C001 CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T164133_C001 CS_OFFL_SIR_NOPN_2_20230625T160935_20230625T164133_C001 CS_OFFL_SIR_NOPN_2_20230625T170829_20230625T171146_C001 CS_OFFL_SIR_NOPN_2_20230625T170829_20230625T1771146_C001 CS_OFFL_SIR_NOPN_2_20230625T184726_20230625T185040_C001 CS_OFFL_SIR_NOPN_2_20230625T193930_20230625T194012_C001 CS_OFFL_SIR_NOPN_2_20230625T193930_20230625T194012_C001 CS_OFFL_SIR_NOPN_2_20230625T193930_20230625T194012_C001 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 CCOG Altimeter Range Cuality PLRM, COGG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPN_2_20230625T125250_20230625T125641_C001		
OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range Backscatter Quality PLRM, OCOG Altimeter	CS_OFFL_SIR_NOPN_2_20230625T131134_20230625T131256_C001		
CS_OFFL_SIR_NOPN_2_20230625T163955_20230625T164133_C001 CS_OFFL_SIR_NOPN_2_20230625T163955_20230625T164133_C001 CS_OFFL_SIR_NOPN_2_20230625T170829_20230625T171146_C001 CS_OFFL_SIR_NOPN_2_20230625T170829_20230625T171146_C001 CS_OFFL_SIR_NOPN_2_20230625T184726_20230625T185040_C001 CS_OFFL_SIR_NOPN_2_20230625T184726_20230625T185040_C001 CS_OFFL_SIR_NOPN_2_20230625T193930_20230625T194012_C001 CS_OFFL_SIR_NOPN_2_20230625T193930_20230625T194012_C001 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 CS_OFFL_SIR_NOPN_2_20230625T217700_20230625T2172720_2023062	CS_OFFL_SIR_NOPN_2_20230625T152129_20230625T152258_C001		
CS_OFFL_SIR_NOPN_2_20230625T170829_20230625T171146_C001 CS_OFFL_SIR_NOPN_2_20230625T170829_20230625T171146_C001 CS_OFFL_SIR_NOPN_2_20230625T184726_20230625T185040_C001 CS_OFFL_SIR_NOPN_2_20230625T184726_20230625T185040_C001 CS_OFFL_SIR_NOPN_2_20230625T193930_20230625T194012_C001 CS_OFFL_SIR_NOPN_2_20230625T193930_20230625T194012_C001 CS_OFFL_SIR_NOPN_2_20230625T193930_20230625T194012_C001 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 CS_OFFL_SIR_NOPN_2_20230625T211720_20230625T211220_20230625T212225_C001 CCG_OFFL_SIR_NOPN_2_20230625T211220_20230625T203209_C001 DCG_OFFL_SIR_NOPN_2_20230625T211220_20230625T203209_C001 DCG_OFFL_SIR_NOPN_2_20230625T211220_20230625T203209_C001 DCG_OFFL_SIR_NOPN_2_20230625T211220_20230625T203209_C001 DCG_OFFL_SIR_NOPN_2_20230625T211220_20230625T203209_C001 DCG_OFFL_SIR_NOPN_2_20230625T211220_20230625T203209_C001 DCG_OFFL_SIR_NOPN_2_20230625T211220_20230625T203209_C001 DCG_OFFL_SIR_NOPN_2_20230625T211220_20230625T203209_C001 DCG_OFFL_SIR_NOPN_2_20230625T211220_20230625T203209_C001 DCG_OFFL_SIR_NOPN_2_20230625T211220_200625T203209_C001 DCG_OFFL_SIR_NOPN_2_20230625T211220_200625T211220_200625T211220_20001 DCG_OFFL_SIR_NOPN_2_20230625T211220_200625T203209_C001 DCG_OFFL_SIR_NOPN_2_20230625T211220_200625T211220_20001 DCG_OFFL_SIR_NOPN_2_20230625T211220_200625T211220_20001 DCG_OFFL_SIR_NOPN_2_20230625T21120200625T211220_20001 DCG_OFFL_S	CS_OFFL_SIR_NOPN_2_20230625T160934_20230625T161053_C001		
OCOG Backscatter Quality The Ocean 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 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPN_2_20230625T163955_20230625T164133_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPN_2_20230625T193930_20230625T194012_C001 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPN_2_20230625T170829_20230625T171146_C001		
CS_OFFL_SIR_NOPN_2_20230625T193930_20230625T194012_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPN_2_20230625T184726_20230625T185040_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 CS_OFFL_SIR_NOPN_2_20230625T202631_20230625T203209_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_NOPN_2_20230625T193930_20230625T194012_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_NOPN_2_20230625T202631_20230625T203209_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_NOPN_2_20230625T211720_20230625T212225_C001		
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range and Backscatter Quality Plags have been set for one or more records	CS_OFFL_SIR_NOPN_2_20230625T215947_20230625T220156_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_NOPN_2_20230625T223924_20230625T224155_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_NOPN_2_20230625T225835_20230625T225943_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPN_2_20230625T234948_20230625T235135_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T002817_20230625T002958_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 Qual and the OCOG Altimeter Range and Backscatter Quality Flags has for one or more records
CS_OFFL_SIR_NOPR_2_20230625T011626_20230625T011749_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_NOPR_2_20230625T012254_20230625T012631_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T020723_20230625T020934_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T025710_20230625T025909_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_NOPR_2_20230625T030210_20230625T030512_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T034558_20230625T034913_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T042809_20230625T042833_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_NOPR_2_20230625T044037_20230625T044826_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T044929_20230625T045013_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_NOPR_2_20230625T052507_20230625T052859_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has to one or more records
CS_OFFL_SIR_NOPR_2_20230625T054750_20230625T055208_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_NOPR_2_20230625T055209_20230625T055320_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_NOPR_2_20230625T055322_20230625T055345_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_NOPR_2_20230625T060933_20230625T060938_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_NOPR_2_20230625T062019_20230625T062923_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T070415_20230625T070624_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T073138_20230625T073326_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T080008_20230625T080805_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T085127_20230625T085133_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records
CS_OFFL_SIR_NOPR_2_20230625T085553_20230625T090217_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T093913_20230625T094443_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quali and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T094532_20230625T094630_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records

CS_OFFL_SIR_NOPR_2_20230625T105436_20230625T105614_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_NOPR_2_20230625T111818_20230625T112353_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T113852_20230625T114707_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_NOPR_2_20230625T120135_20230625T120217_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T125642_20230625T125701_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags hav set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T125809_20230625T130153_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T130228_20230625T130352_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_NOPR_2_20230625T134025_20230625T134236_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T135415_20230625T135551_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T143425_20230625T144156_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T144238_20230625T144503_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_NOPR_2_20230625T145030_20230625T145136_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_NOPR_2_20230625T152029_20230625T152129_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T153310_20230625T153537_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T161245_20230625T161938_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T162115_20230625T162236_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T163231_20230625T163411_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_NOPR_2_20230625T164150_20230625T164226_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_NOPR_2_20230625T164228_20230625T164524_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_NOPR_2_20230625T171147_20230625T171523_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T180432_20230625T180718_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_NOPR_2_20230625T183753_20230625T184102_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags hav set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T194012_20230625T194131_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T201500_20230625T202159_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_NOPR_2_20230625T214005_20230625T214147_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_NOPR_2_20230625T225100_20230625T225628_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records

CS_OFFL_SIR_NOPR_2_20230625T225943_20230625T230235_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_NOPR_2_20230625T230255_20230625T230410_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_NOPR_2_20230625T231848_20230625T232030_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_NOPR_2_20230625T232045_20230625T232321_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_NOPR_2_20230625T233657_20230625T233929_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors:

194

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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

> Ocean Retracking Quality Flag: This flag is currently set for products falling at ocean/ land boundaries, but this is expected.

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

7. NOP 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_NOPM1B	145	145	2	143	0
SIR_NOPR1B	121	121	0	121	0
SIR_NOPN1B	106	106	3	103	0
SIR_NOPM_2	145	145	87	58	0
SIR_NOPR_2	121	121	52	69	0
SIR_NOPN_2	106	106	45	61	0

7.1 QCC Errors

Number of QCC reports with errors:

0

Test Description Key:				
Abbreviation	Test name	Details		

7.2 QCC Warnings

Number of QCC reports with warnings

1721

Total number of occurrences of each warning

Total number of occurrences of each warming							
Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR_NOPM1B	143	0	0	0	0	0	0
SIR_NOPM_2	0	48	48	1	46	0	41
SIR_NOPN1B	100	0	0	0	0	0	0
SIR_NOPN_2	0	7	27	4	17	19	13
SIR_NOPR1B	120	0	0	0	0	0	0
SIR NOPR 2	0	36	45	0	35	26	15

Product Type	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	2	41	0	0	0	0	35
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	0	18	0	26	0
SIR_NOPR1B	0	0	0	0	0	0	0
SIR NOPR 2	2	0	43	0	52	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	0	0	5	28	0	5	39
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	25	16	32	54	30	23
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	43	0	0	58	40	8	36

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SCSTODHRNCDF	SCSTODNCDF	-	-	-
SIR_NOPM1B	0	0	0	0			
SIR_NOPM_2	0	5	0	0			
SIR_NOPN1B	0	0	46	0			
SIR_NOPN_2	23	10	0	0			
SIR_NOPR1B	0	0	121	10			
SIR_NOPR_2	50	4	0	0			

Test Description Key:

Abbreviation	Test name	Details
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
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
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
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: