

QA4EO Daily Report for NOP data:

29/09/2021

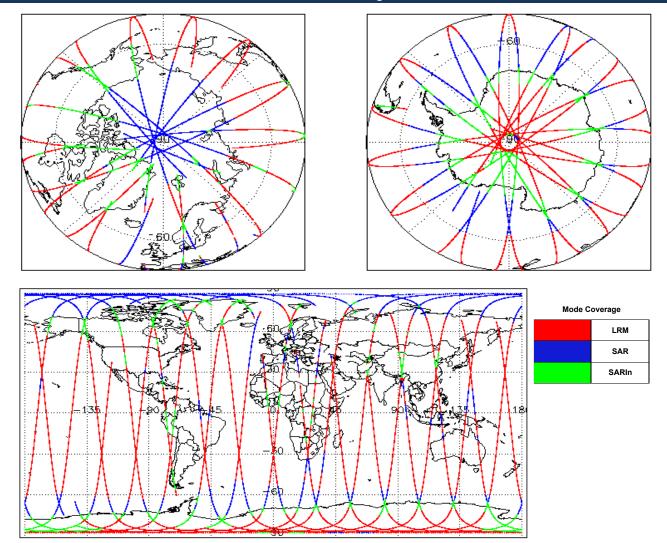
	20.00001	Check	L1 & L2
Report Production:	30-Sep-2021	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used.	CryoSat Ocean Processor	Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP)	Product Format Check	Nominal
Data Useu.	L1B & L2 Science Data	Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
		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 7.1 and 7.2

1. Overview

Mission / Instrument News 28-Sep-2021 None 29-Sep-2021 None

30-Sep-2021 Nothing planned

2. Global Coverage



3. Instrument Configuration

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

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

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 0

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 1b_proc_flag_hr flag is currently set all L1B IOPR and IOPN products because the 1b_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:

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:

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. 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_20210929T081733_20210929T082557_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 products over land, but this is to be expected.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20210928T235658_20210929T000128_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20210929T023031_20210929T030619_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20210929T042529_20210929T042659_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20210929T063839_20210929T065312_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20210929T082650_20210929T083026_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20210929T094537_20210929T094600_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20210929T174329_20210929T175844_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210929T045323_20210929T045443_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210929T045722_20210929T045838_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210929T081150_20210929T081701_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210929T090424_20210929T090706_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210929T130044_20210929T130133_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210929T144304_20210929T144535_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210929T180144_20210929T180400_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210929T225338_20210929T225754_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210929T053449_20210929T053608_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210929T062551_20210929T062748_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210929T112550_20210929T113412_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210929T125758_20210929T130028_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210929T172005_20210929T172601_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210929T230610_20210929T230650_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210929T234404_20210929T234653_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 binary product file (.DBL). 0

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:

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:

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 Corection, 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_20210928T235658_20210929T000128_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_20210929T174329_20210929T175844_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), and the tidal corrections for one or more records
CS_OFFL_SIR_NOPM_2_20210929T212836_20210929T213103_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_20210929T003744_20210929T003906_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_20210929T013548_20210929T013701_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_20210929T021714_20210929T021828_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_20210929T022332_20210929T022650_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_20210929T035807_20210929T040044_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_20210929T040237_20210929T040904_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_20210929T045323_20210929T045443_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20210929T053608_20210929T053942_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_20210929T063236_20210929T063342_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_20210929T071540_20210929T071738_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_20210929T081150_20210929T081701_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20210929T085513_20210929T085631_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_20210929T103644_20210929T103839_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_20210929T121424_20210929T121749_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_20210929T131309_20210929T131644_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_20210929T135327_20210929T135648_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_20210929T140206_20210929T140330_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_20210929T144304_20210929T144535_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20210929T154048_20210929T154214_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_20210929T162341_20210929T162444_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_20210929T171803_20210929T172005_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_20210929T180144_20210929T180400_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_20210929T190453_20210929T190851_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20210929T203728_20210929T203941_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_20210929T211518_20210929T212056_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_20210929T225338_20210929T225754_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20210929T234653_20210929T234818_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_20210929T000540_20210929T000726_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_20210929T014150_20210929T014343_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_20210929T053449_20210929T053608_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_20210929T062551_20210929T062748_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_20210929T062908_20210929T063236_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_20210929T074935_20210929T075106_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_20210929T094706_20210929T095210_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_20210929T112551_20210929T113412_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_20210929T130504_20210929T131309_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_20210929T144542_20210929T145338_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_20210929T162445_20210929T163208_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_20210929T180400_20210929T181101_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_20210929T194233_20210929T194755_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_20210929T212056_20210929T212836_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_20210929T225754_20210929T230535_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20210929T081733_20210929T082557_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

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

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Number of products with errors:

Product	Test Failed	Description
	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_20210929T003053_20210929T003215_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.
	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_20210929T005158_20210929T011519_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_NOPM_2_20210929T011521_20210929T012642_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_20210929T013701_20210929T013911_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_NOPM_2_20210929T015641_20210929T021259_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.
	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_20210929T023031_20210929T030619_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_20210929T032812_20210929T035108_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_NOPM_2_20210929T040044_20210929T040237_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_20210929T041032_20210929T042130_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_20210929T042221_20210929T042446_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_20210929T043140_20210929T044554_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_20210929T045838_20210929T051549_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_20210929T051754_20210929T053212_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_20210929T054241_20210929T054652_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_20210929T054931_20210929T060106_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_20210929T060217_20210929T060405_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_20210929T060637_20210929T061527_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_20210929T063527_20210929T063710_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_20210929T063839_20210929T065312_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_20210929T070014_20210929T071304_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_20210929T071738_20210929T072555_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_20210929T072916_20210929T074432_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_20210929T074724_20210929T074935_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_20210929T075133_20210929T075241_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_20210929T075759_20210929T075953_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_20210929T081733_20210929T082557_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_20210929T082650_20210929T083026_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_20210929T083029_20210929T085247_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_20210929T085631_20210929T085833_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_20210929T085913_20210929T090424_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_20210929T090929_20210929T093227_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_20210929T094537_20210929T094600_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_20210929T100423_20210929T103126_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_20210929T103839_20210929T104443_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_20210929T104805_20210929T111510_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_20210929T113747_20210929T120949_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_20210929T121749_20210929T122315_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_20210929T122724_20210929T123107_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_20210929T130133_20210929T130504_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_20210929T131644_20210929T132551_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_20210929T132835_20210929T134958_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_20210929T135648_20210929T135754_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_20210929T140735_20210929T142343_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_20210929T144146_20210929T144227_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_20210929T145338_20210929T152843_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_20210929T153206_20210929T153652_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_20210929T154753_20210929T161935_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_20210929T163240_20210929T164631_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_20210929T165113_20210929T170800_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_20210929T171036_20210929T171552_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_20210929T171610_20210929T171623_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_20210929T172601_20210929T173858_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_20210929T174329_20210929T175844_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_20210929T175935_20210929T180120_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_20210929T182111_20210929T183008_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_20210929T183313_20210929T184647_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_20210929T185002_20210929T185504_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_20210929T185528_20210929T185538_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_20210929T190338_20210929T190453_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_20210929T190851_20210929T191622_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_20210929T192037_20210929T192525_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_20210929T193518_20210929T193728_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
C2_OFFF_2IK_INOFIN_5_505103531133510_505103531133150_6001	Altimeter Range and Backscatter Quality	
CS_OFFL_SIR_NOPM_2_20210929T200412_20210929T202510_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_20210929T203034_20210929T203421_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_20210929T204152_20210929T210920_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_20210929T214108_20210929T220444_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_20210929T220817_20210929T221336_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_20210929T221342_20210929T221709_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_20210929T222101_20210929T225338_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_20210929T230650_20210929T230819_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_20210929T231723_20210929T232640_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_20210929T232645_20210929T233611_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_20210929T234008_20210929T234404_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_20210929T234818_20210929T235614_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_NOPN_2_20210929T065455_20210929T070014_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_NOPN_2_20210929T093227_20210929T093326_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_NOPN_2_20210929T131309_20210929T131644_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_20210929T144304_20210929T144535_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_20210929T171803_20210929T172005_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_20210929T181825_20210929T181922_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_NOPN_2_20210929T184814_20210929T185002_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_NOPN_2_20210929T185538_20210929T185542_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_NOPN_2_20210929T230819_20210929T230828_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_20210929T075111_20210929T075117_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_20210929T130504_20210929T131309_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_20210929T154214_20210929T154753_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_20210929T174211_20210929T174329_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.
1.2 Quality Elage (20Hz DI DM)		

L2 Quality Flags (20Hz PLRM)

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

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

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

Number of products with errors: 101

CS_OFFL_SIR_NOPK_2_02/100/01164_022100/01101222_0001 0000 Alemeter Range Cutility PLBM. COCG Besinstant Cutility PLBM. CS_OFFL_SIR_NOPK_2_02/100/01101200_02100/001101_0001 The OCOG Range and Backscatter Cutility FlBM. The OCOG Range and Backscatter Cutility FlBM. CS_OFFL_SIR_NOPK_2_02/100/0110200_02100/010110_0001 The OCOG Range and Backscatter Cutility FlBM. The OCOG Range and Backscatter Cutility FlBM. CS_OFFL_SIR_NOPK_2_02/100/0100170_02100_02110_02010_0001 The OCOG Range and Backscatter Cutility FlBM. The OCOG Range and Backscatter Cutility FlBM have been set for one range monorm. CS_OFFL_SIR_NOPK_2_02/100/01001704_0201000100140_0000 OCOG Range and Backscatter Cutility FlBM. The OCOG Range and Backscatter Cutility FlBM have been set for one range monorm. The OCOG Range and Backscatter Cutility FlBM have been set for one range monorm. CS_OFFL_SIR_NOPK_2_02/100/010311_02/100/010311_02/100/010311_02/100/010311_02/100/010311_02/100/010311_02/100/010311_02/100/010311_0001 The OCOG Range and Backscatter Cutility FlBM have been set for one range monorm. CS_OFFL_SIR_NOPK_2_02/100/010311_02/100/010311_02/100/010311_02/100/010311_02/100/010311_02/100/010311_02/100/010311_02/100/010311_0001 OCOG Range and Backscatter Cutility FlBM have been set for one range monorm. CS_OFFL_SIR_NOPK_2_02/100/010311_02/100/010311_02/100/010311_02/100/010311_02/100/010311_02/100/010311_02/100/010311_02/100/010311_00/01000_0001 OCOG Range and Backscatter Cutility FlBM have been set for one range monorm. CS_OFFL_SIR_NOPK_2_02/100/0103104_02/001	Product	Test Failed	Description
BC:011:CUICUICHC/CLACK/0001101/07_LLC11047100000_LD01 BCC00 Backador Gary Immet model: BC:011:CUICUICHC/LLCX/0001101000_LD01 BCC00 Backador Gary Immet model: BC:001:CUICUICHC/LLCX/000110000_LD01 BCC00 Backador Gary Immet model: BC:001:CUICUICHC/LLCX/00011000_LD01 BCC00 Ablescont Gary Immet model: BC:001:CUICUICHC/LLCX/00011		OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one
CSL, DF, JOH, JOHN J, 201000710004, 201000710040, 2001 COOD Basketter Gains Frame resets. CSL, OFL, JR, NOPK Z, 2021002710104, 20210027101001, 2001 COOD Basketter Gains Frame resets. CSL, OFL, JR, NOPK Z, 2021002710104, 20210027101001, 2001 COOD Basketter Gains Frame resets. CSL, OFL, JR, NOPK Z, 2021002710104, 20210027101001, 2001 COOD Basketter Gains Frame resets. CSL, OFL, JR, NOPK Z, 2021002710104, 20210027101001, 2001 COOD Basketter Gains Frame resets. CSL, OFL, JR, NOPK Z, 2021002710104, 20210027101061, 2001 COOD Basketter Gains Frame resets. CSL, OFL, JR, NOPK Z, 20210027101064, 2001 COOD Basketter Gains Frame resets. CSL, OFL, JR, NOPK Z, 20210027101064, 2001002710454, 2001 COOD Basketter Gains Frame resets. CSL, OFL, JR, NOPK Z, 20210027101064, 2001002710454, 2001 COOD Basketter Gains Frame resets. CSL, OFL, JR, NOPK Z, 20210027101064, 2001002710454, 2001 COOD Basketter Gains Frame resets. CSL, OFL, JR, NOPK Z, 2021002710404, 2001002710456, 2001 COOD Basketter Gains Frame resets. CSL, OFL, JR, NOPK Z, 2021002710404, 2001002710456, 2001 COOD Basketter Gains Frame resets. CSL, OFL, JR, NOPK Z, 2021002710404, 2001002710456, 2001 COOD Baskette	CS_OFFL_SIR_NOPN_2_20210929T001756_20210929T001901_C001		
 Gal, List, NOPH, 2, DOTIOD/TEXT4, 2021002/101206, 2021002/101206, 2001 Gal, List, NOPH, 2, DOTIOD/TEXT4, 2021002/101206, 2021002/101206, 2001 Gal, List, NOPH, 2, 2021002/101206, 2021002/101206, 2001 Gal, List, NOPH, 2, 2021002/101206, 2021002/101206, 2001 Gal, Chi, List, NOPH, 2, 2021002/101206, 2021002/101206, 2001 Gal, Chi, List, NOPH, 2, 2021002/101206, 2021002/101206, 2001 Gold, Chi, List, NOPH, 2, 2021002/101206, 2021002/101206, 2001 Gold, Chi, List, NOPH, 2, 2021002/101206, 2001 Gold, Chi, List, NOPH, 2, 2021002/101206, 2001 Gold, Almere, Rang, Caluty, R. The OCOO Range and Backastath Caluty Flags have been active use incode. Gold, Chi, List, NOPH, 2, 2021002/101206, 2001 GOLD, Almere Rang, Caluty, R. The OCOO Range and Backastath Caluty Flags have been active use incode. Gold, Chi, List, NOPH, 2, 2021002/101207, 2021002/101404, 2001 GOLD, Almere Rang, Caluty, R. The OCOO Range and Backastath Caluty Flags have been active use incode. Gold, Chi, List, NOPH, 2, 2021002/104207, 2021002/104408, COOI COLD, Almere Rang, Caluty, R. The OCOO Range and Backastath Caluty Flags have been active use incode. Gold, Chi, List, NOPH, 2, 2021002/104207, 2021002/104208, COOI COLD, Almere Rang, Caluty, R. The OCOO Range and Backastath Caluty Flags have been set for use incode. Gold, List, NOPH, 2, 2021002/10207, 2021002/104208, COOI COLD, Almere Range Caluty, P. Mathemater Range Caluty, P. Mathemater Range, SBM, R. The OCOO Range and Backastath Caluty Flags have been set for use incode. Gold, List, NOPH, 2, 2021002/102040, COOI COLD, Almere Range Caluty, P. Mathemater Range, Caluty, P. Mathemater Rang	CS_OFFL_SIR_NOPN_2_20210929T002009_20210929T002100_C001		
S0 DPL DRIV NORM, 2. 2010020101401, 2021 0020101424, 2021 C3 DPL DRIV NORM, 2. 2010020101411, 20210020101454, 2021 C3 DPL DRIV NORM, 2. 20210020101411, 20210020101454, 2021 C3 DPL DRIV NORM, 2. 20210020101411, 20210020101454, 2021 C3 DPL DRIV NORM, 2. 20210020101401, 20210020101454, 2021 C3 DPL DRIV NORM, 2. 20210020104021, 2021002010454, 20210 C3 DPL DRIV NORM, 2. 20210020104217, 20210020104544, 2001 C3 DPTL DRIV NORM, 2. 20210020104544, 2001 C4 DPL DRIV NORM, 2. 20210020104544, 2001 C4 DPL DRIV NORM, 2. 20210020104542, 20210020104544, 2001 C4 DPL DRIV NORM, 2. 20210020104542, 20210020104544, 2001 C4 DPL DRIV NORM, 2. 20210020104542, 20210020104542, 2001 C4 DPL DRIV NORM, 2. 20210020104572, 20210020104542, 2001 C4 DPL DRIV NORM, 2. 20210020104572, 20210020104542, 2001 C4 DPL DRIV NORM, 2. 20210021001452, 2021002010444, 200100 C4 <td< td=""><td>CS_OFFL_SIR_NOPN_2_20210929T003744_20210929T003906_C001</td><td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td><td>The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.</td></td<>	CS_OFFL_SIR_NOPN_2_20210929T003744_20210929T003906_C001	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.
es. OFTL_SIR_NOPYL_2.021022710311_02100227104032_0210227104032_0000 cs. OFTL_SIR_NOPYL_2.0210227104031_0210027104032_02100227104032_000 cs. OFTL_SIR_NOPYL_2.0210227104031_0210027104032_02100227104032_000 cs. OFTL_SIR_NOPYL_2.0210227104031_0210027104004_000 cs. OFTL_SIR_NOPYL_2.0210227104032_0210027104032_0210027104004_000 cs. OFTL_SIR_NOPYL_2.0210227104032_0210027104004_000 cs. OFTL_SIR_NOPYL_2.0210227104032_0210027104040_000 cs. OFTL_SIR_NOPYL_2.0210227104040_000 cs. OFTL_SIR_NOPYL_2.02102271	CS_OFFL_SIR_NOPN_2_20210929T013548_20210929T013701_C001		
SS_DFT_SR_NOPK_2_20210030701441_20210309701441_20210020701544_2021 OCGG Baseceter Quily Y er more records. CS_OFF_SR_NOPK_2_20210030701404_20210309704004_2001 OCGG Baseceter Quily Y mo OccGR Alleneter Range Quily FLM. The OCGR Alleneter Range Quily FLM. The OCGR Alleneter Range Quily FLM. The OCGR Alleneter Range SSH. SMH CS_OFF_SR_NOPK_2_202100307040027_2021030704004_2001 OCGG Baseceter Quily Y The OCGR Alleneter Range Quily FLM. The OCGR Alleneter Range SSH. The OCGR Allenete	CS_OFFL_SIR_NOPN_2_20210929T013911_20210929T013924_C001	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.
CS, OFE, SR, NOPK, 2, 20210021101504, 2021022100304, 2001 CCCG Banasatter Quilty micros records. CS, OFE, SR, NOPK, 2, 20210021104027, 2021002100304, 2001 CCCG Alterister Range and Backstatter Quilty PERM. The Ocean Attender Range, SRH, SNH and Beckstatter Quilty Page have been set for one micros records. CS, OFE, SR, NOPK, 2, 20210021104522, 20210021104589, 2001 CCCG Alterister Range and Backstatter Quilty Page have been set for one micros records. CS, OFE, SR, NOPK, 2, 20210021104572, 20210021104589, 2001 CCCG Alterister Range Quilty PERM. The CCCG Range and Backstatter Quilty Page have been set for one micros records. CS, OFE, SR, NOPK, 2, 20210021104572, 20210021104589, 2001 CCCG Alterister Range Quilty PERM. The CCCG Arrest and Backstatter Quilty Page have been set for one micros records. CS, OFE, SR, NOPK, 2, 20210021105316, 20210021105349, 2001 CCCG Alterister Range and Backstatter Quilty Page have been set for one micros records. CS, OFE, SR, NOPK, 2, 20210021105316, 20210021105349, 2001 CCCG Alterister Range and Backstatter Quilty Plags have been set for one micros records. CS, OFE, SR, NOPK, 2, 202100211053162, 20210021105342, 2001 CCCGG Alterister Range Quilty PLRM, NOCCO, Alterister Range and Backstatter Quilty Plags have been set for one micros records. CS, OFE, SR, NOPK, 2, 20210021105342, 2001 CCCGG Alterister Range Quilty PLRM, NOCCO, Alterister Range Quilty PLRM, The CCCG Range and Backstatter Quilty Plags have been set for one micros records. CS, OFE, SR, NOPK, 2, 20210021105352, 20210021105342, 2001 CCCGG Alterister Range Quilty PLRM, The CCCG Range	CS_OFFL_SIR_NOPN_2_20210929T014411_20210929T014554_C001		
C3_OFFL_SIR_NOPA_2_20210821704032_20210921704034_0001 Med Backsette Guality PLRN_OPA_2_20210821704032_20210921704503_0001 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821704523_20210921704503_0001 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821704523_20210921704503_0001 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821704503_0001 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821704503_0001 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821704503_0001 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821704503_0201 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821704503_0001 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821705504_0001 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821705408_2001 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821705458_2001701701704_0001 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821705458_20010 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821705458_2001 CC0G Altereter Range Databacket Cuality PLRN_OPA_2_20210821705555_20210821707540_2001 CC0G Altereter Ran	CS_OFFL_SIR_NOPN_2_20210929T015404_20210929T015641_C001		
CS_DFL_SR_NOPL_2_02108201042_20210920104388_0001 OCOG Beascatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or none records. CS_OFFL_SR_NOPL_2_0210920104310_0210023105340_0001 Cocen Attracter Range Quality Plags have been set for one or none records. CS_OFFL_SR_NOPL_2_0210020105340_0001 Cocen Attracter Range Quality Plags have been set for one or none records. CS_OFFL_SR_NOPL_2_0210020105340_0001 Cocen Attracter Range Quality Plags have been set for one or none records. CS_OFFL_SR_NOPL_2_0210020105340_0001 Cocen Attracter Range Quality Plags have been set for one or none records. CS_OFFL_SR_NOPL_2_0210020105340_0001 COCG Attracter Range Quality Plags have been set for one or none records. CS_OFFL_SR_NOPL_2_0210020105340_0001 COCG Attracter Range Quality Plags have been set for one or none records. CS_OFFL_SR_NOPL_2_0210020105340_0001 COCG Attracter Range Quality Plags have been set for one or none records. CS_OFFL_SR_NOPL_2_0210020105350_0010000105342_CO01 COCG Attracter Range Quality Plags have been set for one or none records. CS_OFFL_SR_NOPL_2_0210020100350_00210020105342_C001 COCG Attracter Range Quality Plags have been set for one or none records. CS_OFFL_SR_NOPL_2_0210020100350_00210020105342_C001 COCG Attracter Range Quality Plags have been set for one or none records. CS_OFFL_SR_NOPL_2_02100201003540_2_00100201003523_C001 COCG Attracter Range Q	CS_OFFL_SIR_NOPN_2_20210929T040237_20210929T040904_C001	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.
CS_OFFL_SR_NOPN_2_2021023T05316_2021023T05349_001 DOOG Backscatter Quality or more records. CS_OFFL_SR_NOPN_2_2021023T05316_2021022T05349_001 Comment of the Comment o	CS_OFFL_SIR_NOPN_2_20210929T045323_20210929T045443_C001		
C6_OFFL_SIR_NOPN_2_20210237053316_20210297053440_C001 and Backscatter Quality FLM, QCOC and Backscatter Quality FLM, QCOC C6_OFFL_SIR_NOPN_2_20210297053040_C001 and Backscatter Quality FLM, QCOC and Backscatter Quality FLM, QCOC C6_OFFL_SIR_NOPN_2_20210297054065_202100297054428_C001 QCOC Altimeter Range and Backscatter Quality FLM, The OCOC Bandsort FLM, QCOC The OCOC Backscatter Quality FLM, CCOC Backscatter Quality FLM, CCOC Backscatter Quality FLM, CCC Backscatter Quality CCC Backscatter Quality FLM, CCC Backscat	CS_OFFL_SIR_NOPN_2_20210929T045722_20210929T045838_C001		
GS_OFFL_SIR_NOPN_2_20210929T053682_20210929T053942_C001 and Backscatter Quality PLMX_OC00 The stand match and match	CS_OFFL_SIR_NOPN_2_20210929T053316_20210929T053449_C001	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.
CS_OFFL_SIR_NOPN_2_20210929T00402_001100402_00210929T004529_0001 OCOG Backscatter Quality or more records: CS_OFFL_SIR_NOPN_2_20210929T061527_20210929T061527_0210929T063242_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T063326_0210929T063322_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T065455_02210929T063322_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality The OCOG Range and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T075640_20210929T071738_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality The OCOG Range and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T071540_20210929T071738_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T07555_20210929T072742_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more re	CS_OFFL_SIR_NOPN_2_20210929T053608_20210929T053942_C001	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.
CS_OFFL_SIR_NOPN_2_20210929T063236_00210929T063342_001 CCOG Backscatter Quality or more records. CS_OFFL_SIR_NOPN_2_20210929T063236_00210929T063342_001 CCOG Backscatter Quality PLRN, OCOG Altimeter Range and Backscatter Quality PLRN, OCOG Altimeter Range and Backscatter Quality PLRN, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T063430_02010929T063523_0001 CCOG Altimeter Range Quality PLRN, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T063455_02210929T07014_C001 CCOG Altimeter Range Quality PLRN, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T071540_02210929T071738_C001 CCOG Altimeter Range Quality PLRN, OCOG Altimeter Range and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T071540_02210929T071738_C001 CCOG Altimeter Range Quality PLRN, OCOG Altimeter Range Quality PLRN, OCOG Altimeter Range Quality PLRN, OCOG Altimeter Range Quality PLRN, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T075241_00210929T075628_C001 CCOG Altimeter Range Quality PLRN, CCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T081501_020210929T075628_C001 CCOG Altimeter Range Qu	CS_OFFL_SIR_NOPN_2_20210929T054652_20210929T054828_C001		
CS_OFFL_SIR_NOPN_2_20210929T083236_20210929T083342_C001 and Backscatter Quality PLRM, QCOG Altimeter Range and Backscatter Quality PLRM, QCOG Backscatter Quality PLRM, DCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T06455_20210929T07014_C001 QCOG 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_20210929T071540_20210929T071738_C001 QCOG 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_20210929T075261_20210929T077542_C001 QCOG 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_20210929T075241_20210929T075628_C001 QCOG 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_20210929T081701_C001 QCOG 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_20210929T081701_C001 QCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter	CS_OFFL_SIR_NOPN_2_20210929T061527_20210929T061726_C001		
CS_OFFL_SIR_NOPN_2_20210929T06545_20210929T070014_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_NOPN_2_20210929T07540_20210929T071738_C001 OcoG Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T071540_20210929T071738_C001 OcoG Altimeter Range, SSHA, SWH and Backscatter Quality Flags The OCOG Range and Backscatter Quality Flags CS_OFFL_SIR_NOPN_2_20210929T072555_20210929T072742_C001 OcoG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T075241_20210929T075628_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T075241_20210929T075628_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T081701_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_20210929T081709_20210929T081733_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T085513_20210929T085631_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatte	CS_OFFL_SIR_NOPN_2_20210929T063236_20210929T063342_C001	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.
CS_OFFL_SIR_NOPN_2_20210929T071540_20210929T071738_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_NOPN_2_20210929T071540_20210929T071738_C001 Ocogan Allimeter Range, SSHA, SWH The Ocean Altimeter Range, and Backscatter Quality Flags and backscatter Quality Flags and backscatter Quality Flags and backscatter Quality Flags. CS_OFFL_SIR_NOPN_2_20210929T071540_20210929T071738_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T072555_20210929T072742_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T075241_20210929T075628_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T081150_20210929T081701_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T081709_20210929T081733_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T085513_20210929T085631_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T085513_20210929T095631_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T093227_202109	CS_OFFL_SIR_NOPN_2_20210929T063430_20210929T063523_C001		
CS_OFFL_SIR_NOPN_2_20210929T071540_20210929T071738_C001 and Backscatter Quality PLRM, COCG Interded Autimeter Range and Backscatter Quality PLRM, cocd and the COCG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPN_2_20210929T072555_20210929T072742_C001 CCGG Altimeter Range Quality PLRM, CCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T075241_20210929T075628_C001 CCGG Altimeter Range Quality PLRM, CCGG Backscatter Quality PLRM, CCGG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T075241_20210929T075628_C001 CCGG Altimeter Range Quality PLRM, CCGG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T075241_20210929T081701_C001 CCGG Altimeter Range Quality PLRM, CCGG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T081150_20210929T081701_C001 CCGG Altimeter Range Quality PLRM, CCGG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T081709_20210929T081733_C001 CCGG Altimeter Range Quality PLRM, CCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T085513_20210929T085631_C001 CCGG Altimeter Range Quality PLRM, CCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T093227_20210929T093326_C001 CCGG Altimeter Range Quality PLRM, CCGG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20210929T065455_20210929T070014_C001		
CS_OFFL_SIR_NOPN_2_20210929107255_20210929107242_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_NOPN_2_202109291075241_202109291075628_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_202109291081150_202109291081701_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_202109291081709_202109291081703_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_202109291081503_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_202109291093527_202109291093326_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_202109291093227_202109291093326_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20210929T071540_20210929T071738_C001	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.
CS_OFFL_SIR_NOPN_2_2021092910/3241_2021092910/3626_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_NOPN_2_20210929T081150_20210929T081701_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_20210929T081709_20210929T081733_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_20210929T085513_20210929T085631_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_20210929T085513_20210929T085631_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_20210929T093227_20210929T09326_C001 OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T093227_20210929T09326_C001 OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20210929T072555_20210929T072742_C001		
CS_OFFL_SIR_NOPN_2_202109291081150_202109291081701_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_NOPN_2_202109291081709_202109291081733_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter 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_202109291085513_202109291085631_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_202109291093527_202109291093326_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_202109291093227_202109291093326_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_202109291093326_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20210929T075241_20210929T075628_C001		
CS_OFFL_SIR_NOPN_2_202109291081709_202109291081733_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_NOPN_2_202109291085513_202109291085631_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_202109291093227_202109291093326_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_202109291093227_202109291093326_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_202109291093326_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20210929T081150_20210929T081701_C001		
CS_OFFL_SIR_NOPN_2_20210929T083313_20210929T083313_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_NOPN_2_20210929T093227_20210929T093326_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_20210929T093327_20210929T093326_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210929T093512_20210929T093528_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one	CS_OFFL_SIR_NOPN_2_20210929T081709_20210929T081733_C001		
CS_OFFL_SIR_NOPN_2_202109291093227_202109291093226_C001 OCOG Backscatter Quality or more records.	CS_OFFL_SIR_NOPN_2_20210929T085513_20210929T085631_C001		
	CS_OFFL_SIR_NOPN_2_20210929T093227_20210929T093326_C001		
	CS_OFFL_SIR_NOPN_2_20210929T093512_20210929T093528_C001		

CS_OFFL_SIR_NOPN_2_20210929T094646_20210929T094706_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.
CS_OFFL_SIR_NOPN_2_20210929T103435_20210929T103555_C001	PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20210929T121424_20210929T121749_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_20210929T122315_20210929T122433_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_20210929T124336_20210929T124354_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_20210929T130044_20210929T130133_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_20210929T135327_20210929T135648_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_20210929T142343_20210929T142709_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_20210929T144304_20210929T144535_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_20210929T153010_20210929T153206_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_20210929T154048_20210929T154214_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_20210929T161935_20210929T162039_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_20210929T170859_20210929T171036_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_20210929T171623_20210929T171627_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_20210929T175844_20210929T175935_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_20210929T181825_20210929T181922_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_20210929T181923_20210929T182111_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_20210929T190453_20210929T190851_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_20210929T191622_20210929T192037_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_20210929T193356_20210929T193518_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_20210929T195833_20210929T200232_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_20210929T202721_20210929T203034_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_20210929T203728_20210929T203941_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_20210929T211518_20210929T212056_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_20210929T213103_20210929T213226_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_20210929T213710_20210929T213838_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_20210929T220647_20210929T220817_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_20210929T225338_20210929T225754_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_20210929T230535_20210929T230610_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_20210929T234653_20210929T234818_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_20210929T000540_20210929T000726_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_20210929T000839_20210929T001123_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_20210929T003215_20210929T003744_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_20210929T004749_20210929T005158_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_20210929T014150_20210929T014343_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_20210929T021259_20210929T021714_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_20210929T022650_20210929T023031_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_20210929T035108_20210929T035807_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_20210929T042130_20210929T042221_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_20210929T051549_20210929T051754_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_20210929T062551_20210929T062748_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_20210929T062908_20210929T063236_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_20210929T063524_20210929T063527_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_20210929T071304_20210929T071540_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_20210929T072743_20210929T072916_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_20210929T074433_20210929T074724_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_20210929T074935_20210929T075106_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_20210929T085247_20210929T085513_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_20210929T104612_20210929T104805_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_20210929T111517_20210929T111549_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_20210929T112551_20210929T113412_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_20210929T120949_20210929T121424_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_20210929T122433_20210929T122724_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_20210929T130504_20210929T131309_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_NOPR_2_20210929T132551_20210929T132835_C001	Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20210929T134958_20210929T135327_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_20210929T135754_20210929T135758_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_20210929T140330_20210929T140735_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_20210929T144542_20210929T145338_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_20210929T152843_20210929T153010_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_20210929T154214_20210929T154753_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_20210929T162445_20210929T163208_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_20210929T172005_20210929T172601_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_20210929T173933_20210929T174146_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_20210929T180400_20210929T181101_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_20210929T183133_20210929T183313_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_20210929T192648_20210929T192809_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_20210929T194233_20210929T194755_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_20210929T194811_20210929T194947_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_20210929T203941_20210929T204152_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_20210929T212056_20210929T212836_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_20210929T220444_20210929T220647_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_20210929T225754_20210929T230535_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_20210929T234404_20210929T234653_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_20210929T235727_20210930T000202_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

180

63

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

Number of products with errors:

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

Number of products with errors:

L2 Retracking Flags (20Hz, PLRM)

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

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

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	153	153	3	150	0
SIR_NOPR1B	88	88	0	88	0
SIR_NOPN1B	100	100	1	99	0
SIR_NOPM_2	153	153	95	58	0
SIR_NOPR_2	88	88	23	64	1
SIR_NOPN_2	100	100	40	60	0

7.1 QCC Errors

Number of QCC reports with errors:

					Total number	of occurrences	of each error				
Product Type RLOBO	PNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_NOPR_2	1	1	1	1							
	·										
Test Description Key:	Test Description Key:										
Abbreviation	Test nar	Test name Details									
RLOBOPNCDF	RangeLat	itudeOrBlankOP_	7NetCDF	DF Latitude should be between -90E7 and 90E7 - NetCDF							
RL	RangeLat	itude_7		Latitude should be between -90E7 and 90E7							
RLOBOPNCDF	RangeLor	ngitudeOrBlankOP	_7NetCDF	Longitude should be between -180E7 and 180E7 - NetCDF							
RL	RangeLor	ngitude_7		Longitude should be between -180E7 and 180E7							

4

1713

7.2 QCC Warnings

Number of QCC reports with warnings

			i otar mun	ber of occurrences of ea	ach warning		
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCI
SIR_NOPM1B	150	0	0	0	0	0	0
SIR_NOPM_2	0	0	41	46	1	38	0
SIR_NOPN1B	96	0	0	0	0	0	0
SIR_NOPN_2	0	0	11	32	7	24	28
SIR_NOPR1B	86	0	0	0	0	0	0
SIR_NOPR_2	0	1	41	37	0	38	34
Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	30	1	39	0	0	0	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	21	0	0	0	23	0	35
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	23	0	0	43	0	49	0
Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_NOPM1B	0	RPEPOPSARNCDF 0	RPEPOPSINNCDF 0	RSSBCONCDF 0	RSSHAOFDNCDF 0	RSSHAOFDPLRMNCDF 0	RSSHAONCDF 0
SIR_NOPM1B SIR_NOPM_2	0 31	RPEPOPSARNCDF 0 0	RPEPOPSINNCDF 0 0	RSSBCONCDF 0 8	RSSHAOFDNCDF 0 28	RSSHAOFDPLRMNCDF 0 0	RSSHAONCDF 0 2
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B	0	RPEPOPSARNCDF 0 0 0 0	RPEPOPSINNCDF 0 0 0	RSSBCONCDF 0 8 0	0 28 0	0 0 0	RSSHAONCDF 0 2 0
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN_2	0 31	RPEPOPSARNCDF 0 0 0 0 0 0 0	RPEPOPSINNCDF 0 0 0 29	RSSBCONCDF 0 8 0 16	0	RSSHAOFDPLRMNCDF 0 0 0 49	RSSHAONCDF 0 2 0 27
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B	0 31 0	0 0 0 0 0 0	0 0 0	0 8 0	0 28 0 47 0	0 0 0 49 0	0 2 0 27 0
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN_2	0 31 0 0	RPEPOPSARNCDF 0 0 0 0 0 0 43	0 0 0	0 8 0	0 28 0	0 0 0 49	0 2 0
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN_2 SIR_NOPR1B SIR_NOPR_2	0 31 0 0 0 0	0 0 0 0 0 43	0 0 29 0 0	0 8 0 16 0 0	0 28 0 47 0 60	0 0 0 49 0 40	0 2 0 27 0 17
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN_2 SIR_NOPR1B SIR_NOPR_2 Product Type	0 31 0 0 0 0 8 8 8 8 8 9 8 9 8 9 9 9 9 9 9 9	0 0 0 0 0 0	0 0 29 0 0	0 8 0	0 28 0 47 0 60	0 0 0 49 0	0 2 0 27 0
SIR_NOPM1B SIR_NOPM2 SIR_NOPN1B SIR_NOPN2 SIR_NOPR1B SIR_NOPR2 Product Type SIR_NOPM1B	0 31 0 0 0 0 8 8 8 8 8 8 0 0 0 0 0 0 0 0 0	0 0 0 0 0 43	0 0 29 0 0	0 8 0 16 0 0	0 28 0 47 0 60	0 0 0 49 0 40	0 2 0 27 0 17
SIR_NOPM1B SIR_NOPM2 SIR_NOPN1B SIR_NOPN12 SIR_NOPR1B SIR_NOPR2 Product Type SIR_NOPM1B SIR_NOPM2	0 31 0 0 0 0 RSWHOEPFDNCDF 0 36	0 0 0 0 0 43	0 0 29 0 0	0 8 0 16 0 0	0 28 0 47 0 60	0 0 49 0 40 SCSTODHRNCDF 0 0	0 2 0 27 0 17
SIR_NOPM1B SIR_NOPM2 SIR_NOPN1B SIR_NOPN2 SIR_NOPR1B SIR_NOPR2 Product Type SIR_NOPM1B SIR_NOPM12 SIR_NOPM12	0 31 0 0 0 0 RSWHOEPFDNCDF 0 36 0	0 0 0 0 43 RSWHOEPFDPLRMNCDF 0 0 0	0 0 29 0 0 0 8 8 8 8 9 0 0 2 9 0 0 0 3 0 0	0 8 0 16 0 0	0 28 0 47 0 60	0 0 49 0 40 SCSTODHRNCDF	0 2 0 27 0 17
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN_2 SIR_NOPR1B SIR_NOPR2 SIR_NOPR2 SIR_NOPM1B SIR_NOPM1B SIR_NOPM1B SIR_NOPN1B SIR_NOPN_2	0 31 0 0 0 0 RSWHOEPFDNCDF 0 36 0 30	0 0 0 0 0 43	0 0 29 0 0	0 8 0 16 0 0	0 28 0 47 0 60	0 0 49 0 40 SCSTODHRNCDF 0 0 46 0	0 2 0 27 0 17
SIR_NOPM1B SIR_NOPM2 SIR_NOPN1B SIR_NOPN2 SIR_NOPR1B SIR_NOPR2 Product Type SIR_NOPM1B SIR_NOPM12 SIR_NOPM12	0 31 0 0 0 0 RSWHOEPFDNCDF 0 36 0	0 0 0 0 43 RSWHOEPFDPLRMNCDF 0 0 0	0 0 29 0 0 0 8 8 8 8 9 0 0 2 9 0 0 0 3 0 0	0 8 0 16 0 0	0 28 0 47 0 60	0 0 49 0 40 SCSTODHRNCDF 0 0	0 2 0 27 0 17

Test Description Key:						
Abbreviation	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)				
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPFDPLRM	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		The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
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	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSWHOEPFDPLRMN	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				

SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter
7.3 Missing QC	C Reports	
Number of products	vith missing QCC reports: 0	