

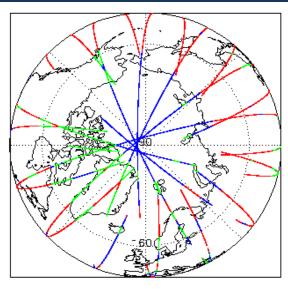
# 1. Overview

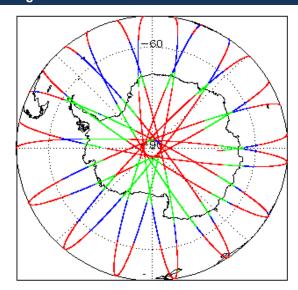
Report Production:	23-Nov-2020
Processor Used:	CryoSat Ocean Processor
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

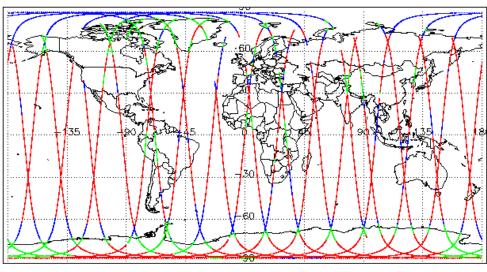
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement 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 7.2

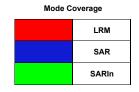
	Mission / Instru	ment News
I	19-Nov-2020	None
۱	20-Nov-2020	None
	21-Nov-2020	Nothing planned

# 2. Global Coverage









# 3. Instrument Configuration

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

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

# 4. NOP Level 1B Data Quality Check

## 4.1 L1B Product Format Check

#### 4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The I1b\_proc\_flag\_hr flag is currently set all L1B IOPR and IOPN products because the I1b\_processing\_quality\_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

# 4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

0

## 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

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#### 4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. 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_20201120T154913_20201120T155008_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.

Number of products with errors:

17

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20201120T041217_20201120T044521_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20201120T103052_20201120T103250_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20201120T141927_20201120T143949_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20201120T154208_20201120T154505_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20201120T201552_20201120T202337_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201120T004225_20201120T004250_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201120T085809_20201120T085935_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201120T103406_20201120T103828_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201120T203730_20201120T203851_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201120T204155_20201120T204414_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201120T211740_20201120T212348_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201120T222059_20201120T222308_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201120T235606_20201121T000058_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201120T040048_20201120T040835_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201120T072023_20201120T072747_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201120T131400_20201120T131638_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201120T163155_20201120T163544_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).

Number of products with errors:

0

## 5.2 L2 Product Header Analysis

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

Number of products with errors:

0

## 5.3 L2 Auxiliary Data File Usage Check

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

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

Number of products with errors:

0

## 5.4 L2 Auxiliary Correction Error Check

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

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

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric 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.
- > 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:

50

number of products with errors: 50	<b>-</b>	I
Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20201120T154208_20201120T154505_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_20201120T222308_20201120T223701_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_20201120T004704_20201120T005142_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_20201120T012947_20201120T013124_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_20201120T030936_20201120T031324_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_20201120T034815_20201120T035007_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_20201120T035951_20201120T040048_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_20201120T044913_20201120T045229_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_20201120T045742_20201120T045904_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_20201120T054007_20201120T054052_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_20201120T063652_20201120T063759_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_20201120T071550_20201120T071805_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_20201120T071904_20201120T072023_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_20201120T085344_20201120T085745_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20201120T085809_20201120T085935_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_20201120T095224_20201120T095503_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_20201120T095524_20201120T095839_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201120T103406_20201120T103828_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_20201120T113141_20201120T113503_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_20201120T121300_20201120T121650_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_20201120T131246_20201120T131400_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_20201120T145150_20201120T145311_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_20201120T152943_20201120T153007_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20201120T153007_20201120T153106_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20201120T155025_20201120T155042_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_20201120T162153_20201120T162319_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_20201120T162843_20201120T163154_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_20201120T180133_20201120T180223_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_20201120T180743_20201120T181108_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_20201120T194220_20201120T194456_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_20201120T194649_20201120T195316_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_20201120T203730_20201120T203851_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_20201120T204155_20201120T204414_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

	1	
CS_OFFL_SIR_NOPN_2_20201120T211740_20201120T212348_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_20201120T221652_20201120T221908_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_20201120T225949_20201120T230115_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_20201120T231007_20201120T231155_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_20201120T235606_20201121T000058_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_20201120T004250_20201120T004704_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_20201120T022020_20201120T022747_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_20201120T040048_20201120T040835_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_20201120T054052_20201120T055003_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_20201120T072023_20201120T072747_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_20201120T085935_20201120T090455_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_20201120T103828_20201120T104245_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_20201120T104245_20201120T104527_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_20201120T155008_20201120T155025_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_20201120T155042_20201120T155157_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_20201120T205952_20201120T210206_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_NOPR_2_20201120T221009_20201120T221154_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records

## 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_20201120T154913_20201120T155008_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.

Number of products with errors: 80

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20201120T000354_20201120T002830_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_20201120T010212_20201120T012715_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_20201120T013411_20201120T013829_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_20201120T014321_20201120T020854_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_20201120T020924_20201120T021138_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_20201120T021831_20201120T022020_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_20201120T023445_20201120T030510_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_20201120T031324_20201120T031910_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_20201120T032240_20201120T032650_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_20201120T035810_20201120T035911_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_20201120T041216_20201120T044521_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_20201120T045229_20201120T045742_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_20201120T050318_20201120T051903_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_20201120T055003_20201120T061936_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_20201120T061947_20201120T062427_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_20201120T063034_20201120T063230_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_20201120T063237_20201120T063651_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_20201120T064145_20201120T070618_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_20201120T072934_20201120T073341_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_20201120T073423_20201120T074405_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_20201120T074644_20201120T074911_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_20201120T074919_20201120T075612_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_20201120T075726_20201120T080347_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_20201120T080608_20201120T081130_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_20201120T081149_20201120T081400_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_20201120T082240_20201120T083505_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_20201120T083640_20201120T084534_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_20201120T084700_20201120T085344_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_20201120T090746_20201120T090747_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_20201120T091544_20201120T092604_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_20201120T093641_20201120T094256_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_20201120T094535_20201120T095030_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_20201120T095106_20201120T095224_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 20201120T095847 20201120T100248 C001	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags

	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
CS_OFFL_SIR_NOPM_2_20201120T100857_20201120T100901_C001	Backscatter Quality	for one or more records.
CS_OFFL_SIR_NOPM_2_20201120T101633_20201120T102610_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_20201120T102617_20201120T102929_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_20201120T110655_20201120T112137_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_20201120T112513_20201120T112959_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_20201120T113702_20201120T120308_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_20201120T123333_20201120T123409_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_20201120T123613_20201120T130041_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_20201120T130504_20201120T130859_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_20201120T131638_20201120T134243_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_20201120T140525_20201120T141925_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_20201120T141927_20201120T143949_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_20201120T144329_20201120T144814_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_20201120T145714_20201120T152943_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_20201120T154208_20201120T154505_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_20201120T154913_20201120T155008_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_20201120T160844_20201120T161226_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_20201120T161426_20201120T161627_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_20201120T162319_20201120T162843_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_20201120T163544_20201120T165650_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_20201120T165935_20201120T171016_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_20201120T172109_20201120T172440_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_20201120T174050_20201120T175735_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_20201120T180248_20201120T180743_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_20201120T181443_20201120T184703_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_20201120T184719_20201120T184908_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.

CE_OFFL_SIR_NOPM_2_20201120110120361_202011201120327_CDD1  CEGN Affirmetor Rangs, SSHA, SWH and Bassocater Quality Flags and the CODG Affirmetor Rangs, SSHA, SWH and Bassocater Quality Flags and the CODG Affirmetor Rangs, SSHA, SWH and Bassocater Quality Flags and the CODG Affirmetor Rangs, SSHA, SWH and Bassocater Quality Flags and the CODG Affirmetor Rangs, SSHA, SWH and Bassocater Quality Flags and the CODG Affirmetor Rangs, SSHA, SWH and Bassocater Quality Flags and the CODG Affirmetor Rangs, SSHA, SWH and Bassocater Quality Flags and the CODG Affirmetor Rangs and Bassocater Quality Flags and the CODG Affirmetor Rangs and Bassocater Quality Flags and the CODG Affirmetor Rangs and Bassocater Quality Flags and the CODG Affirmetor Rangs and Bassocater Quality Flags and the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Bassocater Quality Flags have been set to construct the CODG Affirmetor Rangs and Basso	CS_OFFL_SIR_NOPM_2_20201120T190918_20201120T191139_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_20201120T201502_20201120T202337_C001  CS_OFFL_SIR_NOPM_2_20201120T201502_20201120T202337_C001  CS_OFFL_SIR_NOPM_2_20201120T201502_20201120T202337_C001  CS_OFFL_SIR_NOPM_2_20201120T202502_20201120T202504_C001  CS_OFFL_SIR_NOPM_2_20201120T202502_20201120T204155_C001  CS_OFFL_SIR_NOPM_2_20201120T203502_20201120T204155_C001  CS_OFFL_SIR_NOPM_2_20201120T20414_20201120T205502_C001  CS_OFFL_SIR_NOPM_2_20201120T20414_20201120T205502_C001  CS_OFFL_SIR_NOPM_2_20201120T20414_20201120T205502_C001  CS_OFFL_SIR_NOPM_2_20201120T20414_20201120T205502_C001  CS_OFFL_SIR_NOPM_2_20201120T20414_20201120T205502_C001  CS_OFFL_SIR_NOPM_2_20201120T20414_20201120T205502_C001  CS_OFFL_SIR_NOPM_2_20201120T20502_20201120T211770_C001  CS_OFFL_SIR_NOPM_2_20201120T20502_20201120T21770_C001  CS_OFFL_SIR_NOPM_2_20201120T20502_20201120T2120502_C001  CS_OFFL_SIR_NOPM_2_20201120T212042_20201120T2120502_C001  CS_OFFL_SIR_NOPM_2_20201120T212042_20201120T2120502_C001  CS_OFFL_SIR_NOPM_2_20201120T212342_20201120T2120502_C001  CS_OFFL_SIR_NOPM_2_20201120T212342_20201120T21250502_C001  CS_OFFL_SIR_NOPM_2_20201120T212342_20201120T21250502_C001  CS_OFFL_SIR_NOPM_2_20201120T2123502_C001120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T2123502_C001120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T2123502_C001120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T22304_20201120T223057_C001  CS_OFFL_SIR_NOPM_2_20201120T22304_20200120T223055_C001  CS_OFFL_SIR_NOPM_2_20201120T023055_20001120T223055_C001  CS_OFFL_SIR_NOPM_2_20201120T023055_20001120T025055_20001120T0250	CS_OFFL_SIR_NOPM_2_20201120T191222_20201120T193521_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the COGA Allimeter Range and Backscatter Quality Flags have been self for one or more records.  CS_OFFL_SIR_NOPM_2_20201120T202898_20201120T204145_C001  CS_OFFL_SIR_NOPM_2_20201120T203895_20201120T204145_C001  CS_OFFL_SIR_NOPM_2_20201120T203895_20201120T204155_C001  CS_OFFL_SIR_NOPM_2_20201120T203895_20201120T204155_C001  CS_OFFL_SIR_NOPM_2_20201120T20414_20201120T205952_C001  CS_OFFL_SIR_NOPM_2_20201120T210414_20201120T205952_C001  CS_OFFL_SIR_NOPM_2_20201120T210414_20201120T205952_C001  CS_OFFL_SIR_NOPM_2_20201120T212144_20201120T21700_C001  CS_OFFL_SIR_NOPM_2_20201120T212144_20201120T212059_C0011  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T21700_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T21205_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T21205_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T21205_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T21205_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T21205_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T21205_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T212035_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T212035_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T212035_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T212035_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T212035_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T22035_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T22305_C001  CS_OFFL_SIR_NOPM_2_20201120T21208_20201120T22305_C001  CS_OFFL_SIR_NOPM_2_20201120T2308_20201120T2305_C001  CS_OFFL_SIR_NOPM_2_20201120T23134_20201120T2305_C001  CS_OFFL_SIR_NOPM_2_20201120T23134_20201120T2305_C001  CS_OFFL_SIR_NOPM_2_20201120T23134_20201120T2305_C001  CS_OFFL_SIR_NOPM_2_20201120T23134_20201120T2305_C001  CS_OFFL_SIR_NOPM_2_20201120T23134_20201120T2305_C001  CS_OFFL_SIR_NOPM_2_20201120T2314_20201120T2305_C001  CS_OFFL_SIR_NOPM_2_20201120T004106_20201120T004106_C001  CS_OFFL_SIR_NOPM_2_20201120T004106_20201120T004106_C001  CS_OFFL_SIR_NOPM_2_20201120T004106_20201120T004106_C001  CS_OFFL_SIR_NOPM_2_20201120T004106_20201120T004106_C001	CS_OFFL_SIR_NOPM_2_20201120T195428_20201120T200914_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20201120T204414_20201120T204155_0001  CS_OFFL_SIR_NOPM_2_20201120T204414_20201120T2050590011  CS_OFFL_SIR_NOPM_2_20201120T204414_20201120T2050590011  CS_OFFL_SIR_NOPM_2_20201120T210206_20201120T2117000011  CS_OFFL_SIR_NOPM_2_20201120T210206_20201120T2117000011  CS_OFFL_SIR_NOPM_2_20201120T210206_20201120T2117000011  CS_OFFL_SIR_NOPM_2_20201120T210206_20201120T2117000011  CS_OFFL_SIR_NOPM_2_20201120T2123312_20201120T2117000011  CS_OFFL_SIR_NOPM_2_20201120T2123486_20201120T2120030011  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T2147410011  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T2147410011  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T2147410011  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T2203370011  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T2203370011  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T2203370011  CS_OFFL_SIR_NOPM_2_20201120T233040_20201120T2203370011  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223090001  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223090001  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223090001  CS_OFFL_SIR_NOPM_2_20201120T2230140_20201120T223090001  CS_OFFL_SIR_NOPM_2_20201120T223090001120T2237510001  CS_OFFL_SIR_NOPM_2_20201120T23313420201120T233090001  CS_OFFL_SIR_NOPM_2_20201120T23313420201120T233090001  CS_OFFL_SIR_NOPM_2_20201120T23313420201120T233090001  CS_OFFL_SIR_NOPM_2_20201120T20130140_20201120T230090001  CS_OFFL_SIR_NOPM_2_20201120T20130140_20201120T230090001  CS_OFFL_SIR_NOPM_2_20201120T20130140_20201120T2010001  CS_OFFL_SIR_NOPM_2_20201120T20130140_20201120T230090001  CS_OFFL_SIR_NOPM_2_20201120T20100100_20201120T20001  CS_OFFL_SIR_NOPM_2_20201120T201000100_20201120T00100001  CS_OFFL_SIR_NOPM_2_20201120T0010000000000000000000000000	CS_OFFL_SIR_NOPM_2_20201120T201552_20201120T202337_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20201120T204414_20201120T205952_C001  Ocean Alterneter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Alterneter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Alterneter Range and Backscatter Quality Flags and the COCG Alterneter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Alterneter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Alterneter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Alterneter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Alterneter Range and Backscatter Quality Flags and the COCG Alterneter Range and Backscatter Quality Flags and the COCG Alterneter Range and Backscatter Quality Flags and the COCG Alterneter Range and Backscatter Quality Flags and the COCG Alterneter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T214741_C001  Ocean Alterneter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20201120T214920_20201120T220337_C001  CS_OFFL_SIR_NOPM_2_20201120T224920_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T224920_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T222308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T223010_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T223010_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T223010_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T223010_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T23010_20201120T23300_C001  CS_OFFL_SIR_NOPM_2_20201120T23010_20201120T23300_C001  CS_OFFL_SIR_NOPM_2_20201120T23010_20201120T23300_C001  CS_OFFL_SIR_NOPM_2_20201120T23010_20201120T23300_C001  CS_OFFL_SIR_NOPM_2_20201120T23010_C001120T23300_C001  CS_OFFL_SIR_NOPM_2_20201120T23010_C001120T23000_C001  CS_OFFL_SIR_NOPM_2_20201120T23010_C001120T23000_C001  CS_OFFL_SIR_NOPM_2_20201120T23010_C00120T23000_C001  CS_OFFL_SIR_NOPM_2_20201120T0010552_40201120T001055_C001  CS_OFFL_SIR_NOPM_2_20201120T0010552_402	CS_OFFL_SIR_NOPM_2_20201120T202928_20201120T202942_C001		
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20201120T212006_20201120T21700_CO01  CS_OFFL_SIR_NOPM_2_20201120T212348_20201120T21203_CO01  CS_OFFL_SIR_NOPM_2_20201120T212348_20201120T21203_CO01  CS_OFFL_SIR_NOPM_2_20201120T212312_2020120T212724741_CO01  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T214741_CO01  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T214741_CO01  CS_OFFL_SIR_NOPM_2_20201120T214920_20201120T220337_CO01  CS_OFFL_SIR_NOPM_2_20201120T214920_20201120T220337_CO01  CS_OFFL_SIR_NOPM_2_20201120T224920_20201120T220337_CO01  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223701_CO01  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223701_CO01  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223701_CO01  CS_OFFL_SIR_NOPM_2_20201120T2230140_20201120T223701_CO01  CS_OFFL_SIR_NOPM_2_20201120T2230140_20201120T223701_CO01  CS_OFFL_SIR_NOPM_2_20201120T2230140_20201120T223701_CO01  CS_OFFL_SIR_NOPM_2_20201120T230140_20201120T223701_CO01  CS_OFFL_SIR_NOPM_2_20201120T230140_20201120T223701_CO01  CS_OFFL_SIR_NOPM_2_20201120T230140_20201120T223701_CO01  CS_OFFL_SIR_NOPM_2_20201120T230140_20201120T223701_CO01  CS_OFFL_SIR_NOPM_2_20201120T230140_20201120T230100_CO01  CS_OFFL_SIR_NOPM_2_20201120T231314_20201120T23500_CO01  CS_OFFL_SIR_NOPM_2_20201120T231314_20201120T23500_CO01  CS_OFFL_SIR_NOPM_2_20201120T004100_20201120T004120_CO01  CS_OFFL_SIR_NOPM_2_20201120T004100_20201120T004120_CO	CS_OFFL_SIR_NOPM_2_20201120T203851_20201120T204155_C001		
and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20201120T212348_20201120T212603_C001  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T214741_C001  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T214741_C001  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T214741_C001  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T214741_C001  CS_OFFL_SIR_NOPM_2_20201120T214920_20201120T2127370_C001  CS_OFFL_SIR_NOPM_2_20201120T212308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T22308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T230140_20201120T23701_C001  CS_OFFL_SIR_NOPM_2_20201120T230140_20201120T23009_C001  CS_OFFL_SIR_NOPM_2_20201120T230140_20201120T23009_C001  CS_OFFL_SIR_NOPM_2_20201120T230140_20201120T233509_C001  CS_OFFL_SIR_NOPM_2_20201120T004109_20201120T004128_C001  CS_OFFL_SIR_NOPM_2_20201120T004109_20201120T004128_C001  CS_OFFL_SIR_NOPM_2_20201120T004109_20201120T004559_C001  CS_OFFL_SIR_NOPM_2_20201120T004559_20201120T004589_C001  CS_OFFL_SIR_NOPM_2_20201120T004559_20201120T004589_C001  CS_OFFL_SIR_NOPM_2_20201120T004559_20201120T004589_C001  CS_OFFL_SIR_NOPM_2_20201120T005524_20201120T005899_C001  CS_OFFL_SIR_NOPM_2_20201120T105035_20201120T005899_C001  CS_OFFL_SIR_NOPM_2_20201120T105035_20201120T005899_C001  CS_OFFL_SIR_NOPM_2_20201120T105035_20201120T005899_C001  CS_OFFL_SIR_NOPM_2_20201120T105035_20201120T005899_C001  CS_OFFL_SIR_NOPM_2_20201120T105035_20201120T005899_C001  CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CCOG Altimeter Range and Backscatter Qualit	CS_OFFL_SIR_NOPM_2_20201120T204414_20201120T205952_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T214741_C001  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T214741_C001  CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T223337_C001  CS_OFFL_SIR_NOPM_2_20201120T214920_20201120T220337_C001  CS_OFFL_SIR_NOPM_2_20201120T214920_20201120T220337_C001  CS_OFFL_SIR_NOPM_2_20201120T214920_20201120T220337_C001  CS_OFFL_SIR_NOPM_2_20201120T222308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T222308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T222308_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T224350_20201120T223701_C001  CS_OFFL_SIR_NOPM_2_20201120T224350_20201120T225751_C001  CS_OFFL_SIR_NOPM_2_20201120T224350_20201120T223500_C001  CS_OFFL_SIR_NOPM_2_20201120T231314_20201120T233500_C001  CS_OFFL_SIR_NOPM_2_20201120T231314_20201120T233500_C001  CS_OFFL_SIR_NOPM_2_20201120T231314_20201120T233500_C001  CS_OFFL_SIR_NOPM_2_20201120T004100_20201120T004128_C001  CS_OFFL_SIR_NOPM_2_20201120T00	CS_OFFL_SIR_NOPM_2_20201120T210206_20201120T211700_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been altimeter Range Quality, CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20201120T231314_20201120T231007_C001  CS_OFFL_SIR_NOPM_2_20201120T231314_20201120T233509_C001  CS_OFFL_SIR_NOPM_2_20201120T04109_20201120T233509_C001  CS_OFFL_SIR_NOPM_2_20201120T04109_20201120T04128_C001  CS_OFFL_SIR_NOPM_2_20201120T04109_20201120T04128_C001  CS_OFFL_SIR_NOPM_2_20201120T0505524_20201120T071805_C001  CS_OFFL_SIR_NOPM_2_20201120T0505524_20201120T05839_C001  CS_OFFL_SIR_NOPM_2_20201120T0505524_20201120T05839_C001  CS_OFFL_SIR_NOPR_2_20201120T0505524_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105035_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105055_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105055_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105055_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105055_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105055_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105055_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105055_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105055_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105055_20201120T105036_C001  CS_OFFL	CS_OFFL_SIR_NOPM_2_20201120T212348_20201120T212603_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range Ra	CS_OFFL_SIR_NOPM_2_20201120T213312_20201120T214741_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been St. OCOG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags have been St. OCOG Altimeter Range and Backscatter Quality Flags hav	CS_OFFL_SIR_NOPM_2_20201120T214920_20201120T220337_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Set for one or more records.  CS_OFFL_SIR_NOPM_2_20201120T230140_20201120T231007_C001  CS_OFFL_SIR_NOPM_2_20201120T231314_20201120T233509_C001  CS_OFFL_SIR_NOPM_2_20201120T231314_20201120T233509_C001  CS_OFFL_SIR_NOPM_2_20201120T004109_20201120T004128_C001  CS_OFFL_SIR_NOPM_2_20201120T004109_20201120T004128_C001  CS_OFFL_SIR_NOPM_2_20201120T004109_20201120T004128_C001  CS_OFFL_SIR_NOPM_2_20201120T071550_20201120T071805_C001  CS_OFFL_SIR_NOPM_2_20201120T071550_20201120T071805_C001  CS_OFFL_SIR_NOPM_2_20201120T095524_20201120T095839_C001  CS_OFFL_SIR_NOPM_2_20201120T095524_20201120T095839_C001  CS_OFFL_SIR_NOPM_2_20201120T095524_20201120T095839_C001  CS_OFFL_SIR_NOPR_2_20201120T105035_20201120T105036_C001  CCCCA Altimeter Range Cuality, OCOG Backscatter Quality Flags have been set for one or more records.  CCCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CCCCA Altimeter Range Cuality, OCOG Backscatter Quality Flags have been set for one or more records.  CCCCA Altimeter Range Cuality, OCOG Backscatter Quality Flags have been set for one or more records.  CCCCA Altimeter Range And Backscatter Quality Flags have been set for one or more records.  CCCCA Altimeter Range And Backscatter Quality Flags have been set for one or more records.  CCCCA Altimeter Range And Backscatter Quality Flags have been set for	CS_OFFL_SIR_NOPM_2_20201120T222308_20201120T223701_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20201120T231314_20201120T233509_C001  CS_OFFL_SIR_NOPM_2_20201120T231314_20201120T233509_C001  CS_OFFL_SIR_NOPM_2_20201120T004109_20201120T004128_C001  CS_OFFL_SIR_NOPM_2_20201120T004109_20201120T004128_C001  CS_OFFL_SIR_NOPM_2_20201120T004109_20201120T004128_C001  CS_OFFL_SIR_NOPM_2_20201120T004109_20201120T004128_C001  CS_OFFL_SIR_NOPM_2_20201120T071550_20201120T071805_C001  CS_OFFL_SIR_NOPM_2_20201120T071550_20201120T071805_C001  CS_OFFL_SIR_NOPM_2_20201120T071550_20201120T071805_C001  CS_OFFL_SIR_NOPM_2_20201120T095524_20201120T095839_C001  CS_OFFL_SIR_NOPM_2_20201120T095524_20201120T095839_C001  CS_OFFL_SIR_NOPM_2_20201120T105035_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105035_20201120T105036_C001  CCS_OFFL_SIR_NOPR_2_20201120T105035_20201120T105036_C001  CCS_OFFL_SIR_NOPR_2_20201120T105035_20201120T105055_C001  CCS_OFFL_SIR_NOPR_2_20201120T105055_C001  CCS_OFFL_SIR_NOPR_2_202011	CS_OFFL_SIR_NOPM_2_20201120T224350_20201120T225751_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records.  CS_OFFL_SIR_NOPN_2_20201120T004109_20201120T004128_C001  CS_OFFL_SIR_NOPN_2_20201120T004109_20201120T004128_C001  CS_OFFL_SIR_NOPN_2_20201120T071550_20201120T071805_C001  CS_OFFL_SIR_NOPN_2_20201120T071550_20201120T071805_C001  CS_OFFL_SIR_NOPN_2_20201120T07550_20201120T071805_C001  CS_OFFL_SIR_NOPN_2_20201120T07550_2020112	CS_OFFL_SIR_NOPM_2_20201120T230140_20201120T231007_C001		
CS_OFFL_SIR_NOPN_2_20201120T004109_20201120T004128_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPN_2_20201120T071550_20201120T071805_C001  CS_OFFL_SIR_NOPN_2_20201120T095524_20201120T095839_C001  CS_OFFL_SIR_NOPN_2_20201120T095524_20201120T095839_C001  CS_OFFL_SIR_NOPR_2_20201120T105035_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105035_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105035_20201120T105036_C001  And Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPR_2_20201120T105035_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105035_20201120T10655_C001  CS_OFFL_SIR_NOPR_2_20201120T10458_20201120T110655_C001  And Backscatter Quality, OCOG Backscatter Qual	CS_OFFL_SIR_NOPM_2_20201120T231314_20201120T233509_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  Ocean Altimeter Range, SSHA, SWH 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_20201120T105035_20201120T105036_C001  OCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.  OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records.  OCEAN Altimeter Range Ran	CS_OFFL_SIR_NOPN_2_20201120T004109_20201120T004128_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20201120T095524_20201120T095839_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPR_2_20201120T105035_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T105035_20201120T105036_C001  CS_OFFL_SIR_NOPR_2_20201120T10458_20201120T10655_C001  and Backscatter Quality, OCOG	CS_OFFL_SIR_NOPN_2_20201120T071550_20201120T071805_C001		
Backscatter Quality for one or more records.  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPN_2_20201120T095524_20201120T095839_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20201120T110458_20201120T110655_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPR_2_20201120T105035_20201120T105036_C001		
	CS_OFFL_SIR_NOPR_2_20201120T110458_20201120T110655_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

# L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors:

Product	Test Failed	Description
	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 PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
		The Ocean Altimeter Range, SSHA, SWH 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_20201120T005229_20201120T005351_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_20201120T005747_20201120T005950_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_20201120T012947_20201120T013124_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_20201120T013829_20201120T014119_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_20201120T033600_20201120T033934_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_20201120T033951_20201120T034129_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_20201120T035514_20201120T035636_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_20201120T040835_20201120T040957_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_20201120T044913_20201120T045229_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_20201120T045742_20201120T045904_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_20201120T051903_20201120T052154_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_20201120T062629_20201120T063034_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_20201120T063652_20201120T063759_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_20201120T071550_20201120T071805_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_20201120T085809_20201120T085935_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_20201120T091232_20201120T091544_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_20201120T095524_20201120T095839_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_20201120T101019_20201120T101633_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_20201120T103312_20201120T103350_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_20201120T103406_20201120T103828_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_20201120T113141_20201120T113503_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_20201120T121050_20201120T121213_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_20201120T121300_20201120T121650_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_20201120T122814_20201120T122829_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_20201120T131246_20201120T131400_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_20201120T144205_20201120T144328_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_20201120T152943_20201120T153007_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_20201120T153007_20201120T153106_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_20201120T153144_20201120T153310_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_20201120T155233_20201120T155245_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_20201120T160722_20201120T160813_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_20201120T162843_20201120T163154_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_20201120T172441_20201120T172619_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_20201120T172748_20201120T172810_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_20201120T173735_20201120T174049_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_20201120T194220_20201120T194456_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_20201120T211740_20201120T212348_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_20201120T213102_20201120T213239_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_20201120T221652_20201120T221908_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_20201120T222059_20201120T222308_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_20201120T223912_20201120T224350_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_20201120T235606_20201121T000058_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_20201120T004250_20201120T004704_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_20201120T012715_20201120T012947_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_20201120T021715_20201120T021831_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_20201120T022020_20201120T022747_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_20201120T030511_20201120T030936_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_20201120T032025_20201120T032240_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_20201120T035405_20201120T035514_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_20201120T035636_20201120T035713_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_20201120T040048_20201120T040835_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_20201120T041006_20201120T041037_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

	Ocean Altimeter Range, SSHA, SWH	I
CS_OFFL_SIR_NOPR_2_20201120T044522_20201120T044913_C001	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_20201120T045904_20201120T050318_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_20201120T054052_20201120T055003_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_20201120T062427_20201120T062629_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_20201120T063759_20201120T064145_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_20201120T072023_20201120T072747_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_20201120T080424_20201120T080437_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_20201120T081545_20201120T082240_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_20201120T083505_20201120T083640_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_20201120T085935_20201120T090455_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_20201120T092932_20201120T093110_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_20201120T094257_20201120T094350_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_20201120T103828_20201120T104245_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_20201120T104245_20201120T104527_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_20201120T105909_20201120T110454_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_20201120T110458_20201120T110655_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_20201120T112137_20201120T112311_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_20201120T113504_20201120T113702_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_20201120T134243_20201120T134438_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_20201120T140300_20201120T140525_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_20201120T153130_20201120T153144_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_20201120T154506_20201120T154629_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_20201120T155251_20201120T155428_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_20201120T161628_20201120T162153_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_20201120T163155_20201120T163544_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_20201120T172619_20201120T172748_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_20201120T173020_20201120T173207_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_20201120T175736_20201120T180132_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_20201120T181108_20201120T181443_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_20201120T193521_20201120T194220_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_20201120T205952_20201120T210206_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

#### L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors: 182

# 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: 70

#### 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.

Number of products with errors: 134

# 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	196	196	1	195	0
SIR_NOPR1B	101	101	0	101	0
SIR_NOPN1B	99	99	5	94	0
SIR_NOPM_2	196	196	144	52	0
SIR_NOPR_2	101	101	32	69	0
SIR_NOPN_2	99	99	38	61	0

# 7.1 QCC Errors

Number of QCC reports with errors:

0

# 7.2 QCC Warnings

Number of QCC reports with warnings

1753

### Total number of occurrences of each warning

Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
SIR_NOPM1B	195	0	0	0	0	0	0
SIR_NOPM_2	0	43	42	0	40	0	34
SIR_NOPN1B	93	0	0	0	0	0	0
SIR_NOPN_2	0	14	33	5	25	29	20
SIR_NOPR1B	100	0	0	0	0	0	0
SIR_NOPR_2	0	34	46	2	29	22	6

Product Type	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	39	0	0	0	0	33	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	24	0	37	0	0
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	0	44	0	51	0	0	46

	Product Type	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF
Ī	SIR_NOPM1B	0	0	0	0	0	0	0
	SIR_NOPM_2	0	7	31	0	4	38	0
	SIR_NOPN1B	0	0	0	0	0	0	0
	SIR_NOPN_2	29	21	41	49	31	28	31
	SIR_NOPR1B	0	0	0	0	0	0	0
	SIR NOPR 2	0	1	53	32	8	35	48

Product Type	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-	-	-
SIR_NOPM1B	0	0	0	7			
SIR_NOPM_2	4	0	0	0			
SIR_NOPN1B	0	0	51	1			
SIR_NOPN_2	11	2	0	0			
SIR_NOPR1B	0	0	101	1			
SIR_NOPR_2	1	1	0	0			

Test Description Key:					
Abbreviation	Test name	Details			
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter			

MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

# 7.3 Missing QCC Reports

Number of products with missing QCC reports: