

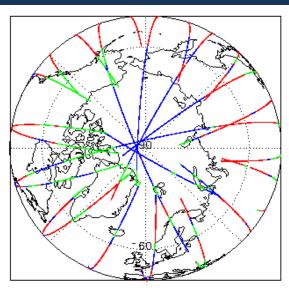
1. Overview

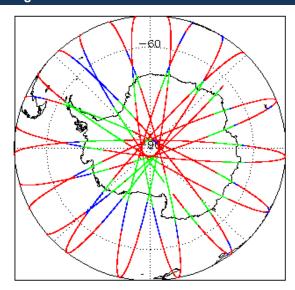
Report Production:	14-Jan-2021	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

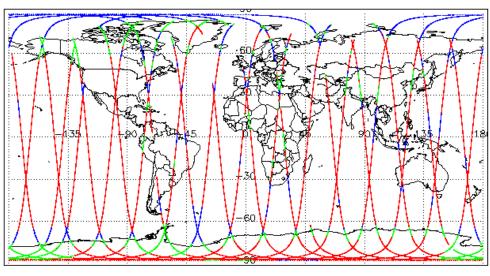
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement 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 7.1 and 7.2

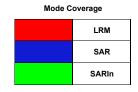
Mission / I	strument News
12-Jan-2	11 None
13-Jan-2	11 None
14-Jan-2	Nothing planned

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_20210113T231656_20210113T231718_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.

11

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20210113T000339_20210113T003610_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210113T014000_20210113T014156_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210113T072136_20210113T072747_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210113T080330_20210113T080740_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210113T181137_20210113T181337_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210113T212527_20210113T213017_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210113T031019_20210113T032016_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210113T080010_20210113T080330_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210113T195215_20210113T195327_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210113T231719_20210113T231914_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210113T234525_20210113T234810_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:

20

Product	Test Failed	Description
Floudet	Test Failed	Description

	1	
CS_OFFL_SIR_NOPM_2_20210113T074709_20210113T075047_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_20210113T213017_20210113T213114_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), 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), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20210112T235846_20210113T000339_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_20210113T003858_20210113T004238_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_20210113T021825_20210113T022143_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_20210113T022655_20210113T022820_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_20210113T030917_20210113T031018_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_20210113T040602_20210113T040709_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_20210113T044825_20210113T044939_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_20210113T072136_20210113T072747_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_20210113T080330_20210113T080740_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_20210113T085217_20210113T085435_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_20210113T090105_20210113T090419_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_20210113T094214_20210113T094603_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_20210113T104158_20210113T104314_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_20210113T122105_20210113T122221_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_20210113T131425_20210113T131546_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_20210113T132053_20210113T132300_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_20210113T135109_20210113T135235_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_20210113T135756_20210113T140104_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_20210113T153052_20210113T153250_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_20210113T153656_20210113T154026_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_20210113T171135_20210113T171410_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_20210113T180646_20210113T180801_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_20210113T184703_20210113T185258_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_20210113T190014_20210113T190151_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_20210113T194109_20210113T194209_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_20210113T194613_20210113T194825_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_20210113T194950_20210113T195215_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_20210113T203923_20210113T204121_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_20210113T212527_20210113T213017_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_20210113T234940_20210113T235206_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_NOPR_2_20210113T013003_20210113T013750_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 20210113T031019 20210113T032016 C001	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
	Topography (1)	
CS_OFFL_SIR_NOPR_2_20210113T044939_20210113T045656_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

	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_20210113T081319_20210113T081434_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS OFFE SIR NOPR 2 202101131230033 202101131230553 C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20210113T231656_20210113T231718_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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20210113T000339_20210113T003610_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_20210113T004238_20210113T004817_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_20210113T004951_20210113T005600_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_20210113T012719_20210113T012834_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_20210113T014156_20210113T021604_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_20210113T022143_20210113T022654_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_20210113T022851_20210113T024836_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_20210113T032016_20210113T035405_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_20210113T035927_20210113T040143_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_20210113T040150_20210113T040601_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_20210113T040755_20210113T040845_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_20210113T040936_20210113T043633_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_20210113T044643_20210113T044824_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_20210113T050101_20210113T051122_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_20210113T051758_20210113T052743_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_20210113T052934_20210113T053344_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_20210113T053524_20210113T054043_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_20210113T055157_20210113T060418_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_20210113T060623_20210113T061932_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_20210113T062034_20210113T062323_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_20210113T064555_20210113T065455_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_20210113T065727_20210113T070510_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_20210113T070555_20210113T071238_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_20210113T071450_20210113T071945_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_20210113T072019_20210113T072135_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_20210113T072748_20210113T073007_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_20210113T074709_20210113T075047_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_20210113T075133_20210113T075401_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_20210113T075531_20210113T075846_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_20210113T083527_20210113T085150_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_20210113T085436_20210113T085912_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_20210113T090526_20210113T092842_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_20210113T100516_20210113T103129_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_20210113T103310_20210113T103814_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_20210113T104427_20210113T111158_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_20210113T111359_20210113T111657_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_20210113T114038_20210113T114254_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_20210113T114333_20210113T114857_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_20210113T114859_20210113T121109_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_20210113T121251_20210113T121729_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_20210113T121732_20210113T122104_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_20210113T122456_20210113T125850_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_20210113T134123_20210113T134127_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_20210113T134258_20210113T134543_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_20210113T134743_20210113T135037_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_20210113T135235_20210113T135756_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_20210113T140341_20210113T142605_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_20210113T142851_20210113T143814_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_20210113T145032_20210113T145416_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_20210113T151013_20210113T151500_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_20210113T151648_20210113T152834_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_20210113T152846_20210113T153004_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_20210113T153251_20210113T153656_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_20210113T154313_20210113T154904_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_20210113T154913_20210113T155444_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_20210113T155709_20210113T161506_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_20210113T163426_20210113T164011_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_20210113T164142_20210113T170436_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_20210113T171410_20210113T171603_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_20210113T171908_20210113T172032_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_20210113T172236_20210113T172940_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_20210113T172953_20210113T173904_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_20210113T173906_20210113T174025_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_20210113T174506_20210113T175211_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_20210113T180807_20210113T181137_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_20210113T181337_20210113T181928_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_20210113T182055_20210113T182910_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_20210113T183529_20210113T184631_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_20210113T184633_20210113T184703_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_20210113T185552_20210113T190013_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_20210113T190155_20210113T190859_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20210113T191014_20210113T191654_C001	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	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
CS_OFFL_SIR_NOPM_2_20210113T191834_20210113T193309_C001	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	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_NOPM_2_20210113T193343_20210113T193345_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_20210113T195646_20210113T195841_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_20210113T200402_20210113T200806_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_20210113T201207_20210113T202759_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_20210113T203047_20210113T203922_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_20210113T204138_20210113T210424_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_20210113T211150_20210113T211200_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_20210113T214157_20210113T220725_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_20210113T221247_20210113T221724_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_20210113T222005_20210113T222438_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_20210113T222549_20210113T224959_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_20210113T231914_20210113T234524_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_20210113T235206_20210113T235759_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20210113T004818_20210113T004932_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20210113T094008_20210113T094131_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20210113T113159_20210113T113237_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20210113T210605_20210113T210925_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20210113T211014_20210113T211132_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20210113T045913_20210113T050101_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20210113T083317_20210113T083320_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20210113T134127_20210113T134257_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20210113T142605_20210113T142851_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20210113T161624_20210113T161808_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG
Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20210112T235846_20210113T000339_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_20210113T004818_20210113T004932_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_20210113T010514_20210113T010848_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_20210113T011717_20210113T011918_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_20210113T014000_20210113T014156_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_20210113T021825_20210113T022143_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_20210113T024836_20210113T025150_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_20210113T030917_20210113T031018_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_20210113T035540_20210113T035926_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_20210113T040602_20210113T040709_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_20210113T054307_20210113T054452_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_20210113T064157_20210113T064554_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_20210113T072136_20210113T072747_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_20210113T080330_20210113T080740_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_20210113T082458_20210113T082727_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_20210113T090105_20210113T090419_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_20210113T094008_20210113T094131_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_20210113T094214_20210113T094603_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_20210113T095645_20210113T095707_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_20210113T100147_20210113T100515_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_20210113T111657_20210113T112256_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_20210113T122105_20210113T122221_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_20210113T125851_20210113T130019_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_20210113T130056_20210113T130230_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_20210113T131425_20210113T131546_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_20210113T131953_20210113T132020_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_20210113T171603_20210113T171800_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_20210113T172032_20210113T172228_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_20210113T175212_20210113T175330_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_20210113T194109_20210113T194209_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_20210113T194613_20210113T194825_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_20210113T194950_20210113T195215_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_20210113T200851_20210113T201207_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_20210113T211014_20210113T211132_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_20210113T221151_20210113T221247_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_20210113T234810_20210113T234930_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_20210113T235759_20210113T235926_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_20210113T012302_20210113T012620_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_20210113T013003_20210113T013750_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_20210113T013922_20210113T014000_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_20210113T025910_20210113T030015_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_20210113T031019_20210113T032016_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_20210113T044939_20210113T045656_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_20210113T045848_20210113T045908_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_20210113T045913_20210113T050101_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_20210113T054526_20210113T055156_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_20210113T060419_20210113T060623_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_20210113T062854_20210113T063613_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.

CB_OFFL_SR_NOPR_2_20161371030741_2016137103131_G001 CB_OFFL_SR_NOPR_2_20161371030741_2016137103131_G001 CB_OFFL_SR_NOPR_2_2016137103031_2016137103131_G001 CB_OFFL_SR_NOPR_2_2016137103031_2016137103131_G001 CB_OFFL_SR_NOPR_2_2016137103031_2016137103131_G001 CB_OFFL_SR_NOPR_2_2016137103031_2016137103131_G001 CB_OFFL_SR_NOPR_2_2016137103031_2016137103131_G001 CB_OFFL_SR_NOPR_2_2016137103031_2016137103431_G001 CB_OFFL_SR_NOPR_2_2016137103031_2016137103431_G001 CB_OFFL_SR_NOPR_2_2016137103031_2016137103431_G001 CB_OFFL_SR_NOPR_2_2016137103231_2016137103431_G001 CB_OFFL_SR_NOPR_2_2016137103431_2016137103431_G001 CB_OFFL_SR_NOPR_			
CS_OFFL_SIR_NOPR_2_20210113T160310_20210113T160314_C001 CS_OFFL_SIR_NOPR_2_20210113T160315_2021013T160315_C0010 CS_OFFL_SIR_NOPR_2_20210113T160315_2021013T160315_C0010 CS_OFFL_SIR_NOPR_2_20210113T160315_2021013T160315_C0010 CS_OFFL_SIR_NOPR_2_2021013T160315_2021013T160315_C0010 CS_OFFL_SIR_NOPR_2_20210113T160315_C001013T160315_C0010 CS_OFFL_SIR_NOPR_2_20210113T160315_C001013T160315_C0010 CS_OFFL_SIR_NOPR_2_20210113T160315_C001013T160315_C0010 CS_OFFL_SIR_NOPR_2_20210113T160315_C001013T160315_C0010 CS_OFFL_SIR_NOPR_2_20210113T160315_C001013T160315_C0010 CS_OFFL_SIR_NOPR_2_20210113T160315_C001013T160315_C0010 CS_OFFL_SIR_NOPR_2_20210113T160315_C001013T160315_C0010 CS_OFFL_SIR_NOPR_2_20210113T160315_C001013T160315_C0010 CS_OFFL_SIR_NOPR_2_20210113T160315_C001013T160304_C0010 CS_OFFL_SIR_NOPR_2_20210113T160315_C001013T160304_C0	CS_OFFL_SIR_NOPR_2_20210113T080740_20210113T081319_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_2021013T19315_2021013T19426_0001 CS_OFFL_SIR_NOPR_2_2021013T19315_2021013T19446_0001 CS_OFFL_SIR_NOPR_2_2021013T19315_2021013T19446_0001 CS_OFFL_SIR_NOPR_2_2021013T19327_2021013T19315_0001 CS_OFFL_SIR_NOPR_2_2021013T19327_2021013T19326_0001 CS_OFFL_SIR_NOPR_2_2021013T19327_2021013T19326_0001 CS_OFFL_SIR_NOPR_2_2021013T19328_0001 CS_OFFL_SIR_NOPR_2_2021013T19328_0001 CS_OFFL_SIR_NOPR_2_2021013T19328_0001 CS_OFFL_SIR_NOPR_2_2021013T1931340_0001 CS_OFFL_SIR_NOPR_2_2021013T19300_000113T19308_0001 CS_OFFL_SIR_NOPR_2_2021013T19300_000113T19300_000113T193000_000113T193000000000000000000000000000000	CS_OFFL_SIR_NOPR_2_20210113T081319_20210113T081434_C001		
CS_OFFL_SIR_NORR_2_20210113T10425_20210113T10425_2021013T1	CS_OFFL_SIR_NOPR_2_20210113T082830_20210113T082905_C001		
Sey OFFL_SIR_NOPR_2_20210113T104315_20210113T10440_C001 CS_OFFL_SIR_NOPR_2_20210113T10237_20210113T10331_C001 CS_OFFL_SIR_NOPR_2_20210113T10237_20210113T10331_C001 CS_OFFL_SIR_NOPR_2_20210113T10237_20210113T10331_C001 CS_OFFL_SIR_NOPR_2_20210113T10237_20210113T10331_C001 CS_OFFL_SIR_NOPR_2_20210113T10237_20210113T10331_C001 CS_OFFL_SIR_NOPR_2_20210113T10237_20210113T10304_C001 CS_OFFL_SIR_NOPR_2_20210113T10304_20210113T10404_C001 CS_OFFL_SIR_NOPR_2_20210113T105303_20210113T10304_C001 CS_OFFL_SIR_NOPR_2_20210113T105303_20210113T10304_C001 CS_OFFL_SIR_NOPR_2_20210113T105303_20210113T103100_C001 CS_OFFL_SIR_NOPR_2_20210113T105303_20210113T103100_C001 CS_OFFL_SIR_NOPR_2_20210113T105303_20210113T10300_C001 CS_OFFL_SIR_NOPR_2_20210113T105303_20210113T10300_C001 CS_OFFL_SIR_NOPR_2_20210113T103100_C001 CCOOR Allimeter Range and Backccatte	CS_OFFL_SIR_NOPR_2_20210113T082909_20210113T083314_C001		
cS_OFFL_SIR_NOPR_2_20210113T12221_2021013T122455_C001 and flandscatefler Quality CS_OFFL_SIR_NOPR_2_20210113T12221_2021013T122455_C001 CS_OFFL_SIR_NOPR_2_2021013T12221_2021013T122455_C001 CS_OFFL_SIR_NOPR_2_2021013T131343_2021013T1313426_C001 CS_OFFL_SIR_NOPR_2_2021013T131342_2021013T1313426_C001 CS_OFFL_SIR_NOPR_2_2021013T131342_2021013T1313426_C001 CS_OFFL_SIR_NOPR_2_2021013T131342_2021013T1313426_C001 CS_OFFL_SIR_NOPR_2_2021013T131342_C001 CS_OFFL_SIR_NOPR_2_2021013T131342_C001 CS_OFFL_SIR_NOPR_2_2021013T131342_C001 CS_OFFL_SIR_NOPR_2_2021013T131342_C001 CS_OFFL_SIR_NOPR_2_2021013T131342_C001 CS_OFFL_SIR_NOPR_2_2021013T131342_C001 CS_OFFL_SIR_NOPR_2_2021013T131342_C001 CS_OFFL_SIR_NOPR_2_2021013T131342_C001 CS_OFFL_SIR_NOPR_2_2021013T131342_C001 CS_OFFL_SIR_NOPR_2_2021013T14016_2021013T16000_C001 CS_OFFL_SIR_NOPR_2_2021013T16024_C001 CS_OFFL_SIR_NOPR_2_2021013T16024_C001 CS_OFFL_SIR_NOPR_2_2021013T16024_C001 CS_OFFL_SIR_NOPR_2_2021013T16024_C001 CS_OFFL_SIR_NOPR_2_2021013T16024_C001 CS_OFFL_SIR_NOPR_2_2021013T16024_C001 CS_OFFL_SIR_NOPR_2_2021013T16024_C001013T16000_C001 CS_OFFL_SIR_NOPR_2_2021013T16001_C001 CS_OFFL_SIR_NOPR_2_2021013T16000000000000000000000000000000000	CS_OFFL_SIR_NOPR_2_20210113T104315_20210113T104426_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Bedseater Quality PLRM. COOG Allimeter Range and Bedseater Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210113T131343_20210113T131405_C001 CS_OFFL_SIR_NOPR_2_20210113T131343_20210113T131405_C001 CS_OFFL_SIR_NOPR_2_20210113T131343_20210113T131408_C001 CS_OFFL_SIR_NOPR_2_20210113T131546_20210113T131008_C001 CS_OFFL_SIR_NOPR_2_20210113T140105_20210113T140400_C001 CS_OFFL_SIR_NOPR_2_20210113T160105_20210113T140400_C001 CS_OFFL_SIR_NOPR_2_20210113T160105_20210113T1601006_C001 CS_OFFL_SIR_NOPR_2_20210113T160105_20210113T160106_C001 CS_OFFL_SIR_NOPR_2_20210113T16010	CS_OFFL_SIR_NOPR_2_20210113T113237_20210113T113331_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality PLRM. CS_OFFL_SIR_NOPR_2_20210113T131542_20210113T131640_COOI CS_OFFL_SIR_NOPR_2_20210113T131640_20210113T13040_COOI CS_OFFL_SIR_NOPR_2_20210113T140105_20210113T140340_COOI CS_OFFL_SIR_NOPR_2_20210113T140105_20210113T140340_COOI CS_OFFL_SIR_NOPR_2_20210113T16624_20210113T16808_COOI CS_OFFL_SIR_NOPR_2_20210113T16624_20210113T16808_COOI CS_OFFL_SIR_NOPR_2_20210113T16624_20210113T16808_COOI CS_OFFL_SIR_NOPR_2_20210113T16624_20210113T16680_COOI CS_OFFL_SIR_NOPR_2_20210113T16624_20210113T16624_20210113T16680_COOI CS_OFFL_SIR_NOPR_2_20210113T16624_20210113T16680_COOI CS_OFFL_SIR_NOPR_2_20210113T16624_20210113T1664142_COOI CS_OFFL_SIR_NOPR_2_20210113T16625_20210113T1664142_COOI CS_OFFL_SIR_NOPR_2_20210113T16625_20210113T1664142_COOI CS_OFFL_SIR_NOPR_2_20210113T16625_20210113T1664142_COOI CS_OFFL_SIR_NOPR_2_20210113T17647_20210113T17135_COOI CS_OFFL_SIR_NOPR_2_20210113T17659_20210113T17135_COOI CS_OFFL_SIR_NOPR_2_20210113T19620_20210113T19649_COOI CS_OFFL_SIR_NOPR_2_20210113T19620_20210113T19649_COOI CS_OFFL_SIR_NOPR_2_20210113T19620_20210113T19649_COOI CS_OFFL_SIR_NOPR_2_20210113T19620_20210113T19649_COOI CS_OFFL_SIR_NOPR_2_20210113T19620_20210113T19649_COOI CS_OFFL_SIR_NOPR_2_20210113T19620_20210113T19649_COOI CS_OFFL_SIR_NOPR_2_20210113T19620_20210113T19649_COOI CS_OFFL_SIR_NOPR_2_20210113T19620_20210113T19649_COOI CCOOR Altimeter Range Quality PLRM. CCOOR Backscaster Quality PLRM. CCOOR Backscaster Quality PLRM. CCOOR Backscaster Quality PLRM. CCOOR Backscaster Quality PLRM. CCOOR Altimeter Range and Backscaster Quality Plags have been set for one or more records. CCOOR Altimeter Range and Backscaster Quality Plags have been set for one or more records. CCOOR Altimeter Range and Backscaster Quality Plags have been set for one or more records. CCOOR Altimeter Range and Backscaster Quality Plags have been set for one or more records. CCOOR Altimeter Range and Backscaster Quality Plags have been set for one or more records. CCOOR Altimeter Range and Backscaster Qua	CS_OFFL_SIR_NOPR_2_20210113T122221_20210113T122455_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality CS_OFFL_SIR_NOPR_2_20210113T132042_20210113T132043_C001 CS_OFFL_SIR_NOPR_2_20210113T140105_20210113T14040_C001 Allmeter Range Guality PLRM, OCOG Allmeter Range SSHA, SWH and Backscatter Quality PLRM, OCOG Allmeter Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210113T162830_20210113T162331_C001 CS_OFFL_SIR_NOPR_2_20210113T164011_20210113T164142_C001 CS_OFFL_SIR_NOPR_2_20210113T164011_20210113T164142_C001 CS_OFFL_SIR_NOPR_2_20210113T176437_20210113T17549_C001 CS_OFFL_SIR_NOPR_2_20210113T176437_20210113T17549_C001 CS_OFFL_SIR_NOPR_2_20210113T176525_20210113T175549_C001 CS_OFFL_SIR_NOPR_2_20210113T182011_20210113T183124_C001 CS_OFFL_SIR_NOPR_2_20210113T182011_20210113T183124_C001 CS_OFFL_SIR_NOPR_2_20210113T182011_20210113T183124_C001 CS_OFFL_SIR_NOPR_2_20210113T19525_20210113T19549_C001 CS_OFFL_SIR_NOPR_2_20210113T19525_20210113T19549_C001 CS_OFFL_SIR_NOPR_2_20210113T19525_20210113T19549_C001 CS_OFFL_SIR_NOPR_2_20210113T19525_20210113T19549_C001 CS_OFFL_SIR_NOPR_2_20210113T19525_20210113T19549_C001 CS_OFFL_SIR_NOPR_2_20210113T19525_20210113T19549_C001 CS_OFFL_SIR_NOPR_2_20210113T19525_20210113T19549_C001 CS_OFFL_SIR_NOPR_2_20210113T19525_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T19525_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T19525_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T19525_20210113T195327_C001 CC_OG_Allmeter Range Guality PLRM, CCCO_Allmeter Range and Backscatter Quality Flags have been set for one or more records. CC_OG_Allmeter Range and Backscatter Quality Flags have been set for one or more records. CC_OG_Allmeter Range and Backscatter Quali	CS_OFFL_SIR_NOPR_2_20210113T131343_20210113T131425_C001		
OCGG Backscatter Quality CS_OFFL_SIR_NOPR_2_20210113T140105_20210113T140340_C001 CS_OFFL_SIR_NOPR_2_20210113T140105_20210113T140340_C001 CS_OFFL_SIR_NOPR_2_20210113T161624_20210113T161808_C001 CS_OFFL_SIR_NOPR_2_20210113T161624_20210113T161808_C001 CS_OFFL_SIR_NOPR_2_20210113T162830_20210113T163231_C001 CS_OFFL_SIR_NOPR_2_20210113T162830_20210113T163231_C001 CS_OFFL_SIR_NOPR_2_20210113T162830_20210113T163231_C001 CS_OFFL_SIR_NOPR_2_20210113T164011_20210113T164142_C001 CS_OFFL_SIR_NOPR_2_20210113T164011_20210113T164142_C001 CS_OFFL_SIR_NOPR_2_20210113T164011_20210113T164142_C001 CS_OFFL_SIR_NOPR_2_20210113T176437_20210113T175540_C001 CS_OFFL_SIR_NOPR_2_20210113T176255_20210113T175540_C001 CS_OFFL_SIR_NOPR_2_20210113T182011_20210113T163124_C001 CS_OFFL_SIR_NOPR_2_20210113T182011_20210113T163124_C001 CS_OFFL_SIR_NOPR_2_20210113T182011_20210113T163124_C001 CS_OFFL_SIR_NOPR_2_20210113T182011_20210113T163124_C001 CS_OFFL_SIR_NOPR_2_20210113T182011_20210113T183124_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T19337_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T19337_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T19337_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T19337_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T19337_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T19337_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T19337_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T19337_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826	CS_OFFL_SIR_NOPR_2_20210113T131546_20210113T131608_C001		
SOFFL_SIR_NOPR_2_20210113T140105_20210113T140340_C001 Allimeter Range and Backscatter Quality PLRM. To COG Allimeter Range and Backscatter Quality PLRM. To COG Allimeter Range and Backscatter Quality PLRM. To COG Allimeter Range and Backscatter Quality PLRM. To COG Allimeter Range and B	CS_OFFL_SIR_NOPR_2_20210113T132020_20210113T132043_C001		
OCOG Backscatter Quality CS_OFFL_SIR_NOPR_2_20210113T162830_20210113T163231_C001 CS_OFFL_SIR_NOPR_2_20210113T162830_20210113T164142_C001 CS_OFFL_SIR_NOPR_2_20210113T164011_20210113T164142_C001 CS_OFFL_SIR_NOPR_2_20210113T164011_20210113T164142_C001 CS_OFFL_SIR_NOPR_2_20210113T170437_20210113T17135_C001 CS_OFFL_SIR_NOPR_2_20210113T170437_20210113T17135_C001 CS_OFFL_SIR_NOPR_2_20210113T170437_20210113T17135_C001 CS_OFFL_SIR_NOPR_2_20210113T175525_20210113T175549_C001 CS_OFFL_SIR_NOPR_2_20210113T175525_20210113T175549_C001 CS_OFFL_SIR_NOPR_2_20210113T182911_20210113T183124_C001 CS_OFFL_SIR_NOPR_2_20210113T182911_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T204137_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T204121_20210113T204137_C001 CS_OFFL_SIR_NOPR_2_20210113T204121_20210113T204137_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T	CS_OFFL_SIR_NOPR_2_20210113T140105_20210113T140340_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20210113T162830_20210113T163231_C001 Allimeter Range and Backscatter Quality PLRM, OCOG Allimeter Range and Backscatter Quality PLRM, OCOG Allimeter Range and Backscatter Quality PLRM, OCOG Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210113T170437_20210113T17135_C001 CS_OFFL_SIR_NOPR_2_20210113T175525_20210113T175549_C001 CS_OFFL_SIR_NOPR_2_20210113T175525_20210113T175549_C001 CS_OFFL_SIR_NOPR_2_20210113T182911_20210113T183124_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195337_C001 CS_OFFL_SIR_NOPR_2_20210113T105215_20210113T195337_C001 CS_OFFL_SIR_NOPR_2_20210113T105215	CS_OFFL_SIR_NOPR_2_20210113T161624_20210113T161808_C001		
CS_OFFL_SIR_NOPR_2_20210113T164011_20210113T164142_C001 and Backscatter Quality PLRM, COG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210113T17525_20210113T175549_C001 CS_OFFL_SIR_NOPR_2_20210113T182911_20210113T183124_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T204121_20210113T204137_C001 CS_OFFL_SIR_NOPR_2_20210113T204121_20210113T204137_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T20013_200113T2001353_C001 CS_OFFL_SIR_NOPR_2_20210113T20013_200113T200153_C001 CS_OFFL_SIR_NOPR_2_20210113T20013_2001113T200153_C001 CS_OFFL_SIR_NOPR_2_20210113T20013_2001113T200153_C001 CS_OFFL_SIR_NOPR_2_20210113T20013_2001113T200153_C001 CS_OFFL_SIR_NOPR_2_20210113T20003_20210113T200553_C001	CS_OFFL_SIR_NOPR_2_20210113T162830_20210113T163231_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range Altimeter Range SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Ra	CS_OFFL_SIR_NOPR_2_20210113T164011_20210113T164142_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20210113T19323_20210113T19349_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T204121_20210113T204137_C001 CS_OFFL_SIR_NOPR_2_20210113T204137_C001 C	CS_OFFL_SIR_NOPR_2_20210113T170437_20210113T171135_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001 CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T204121_20210113T204137_C001 CS_OFFL_SIR_NOPR_2_20210113T204121_20210113T204137_C001 CS_OFFL_SIR_NOPR_2_20210113T204121_20210113T204137_C001 CS_OFFL_SIR_NOPR_2_20210113T20033_20210113T200553_C001 CS_OFFL_SIR_NOPR_2_20210113T20033_20210113T200553_C001 CS_OFFL_SIR_NOPR_2_20210113T20033_20210113T200553_C001 CS_OFFL_SIR_NOPR_2_20210113T20033_20210113T200553_C001 CS_OFFL_SIR_NOPR_2_20210113T20033_20210113T200553_C001 CS_OFFL_SIR_NOPR_2_20210113T20033_20210113T200553_C001 CS_OFFL_SIR_NOPR_2_20210113T20033_20210113T200553_C001 CS_OFFL_SIR_NOPR_2_20210113T20033_20210113T230553_C001 CS_OFFL_SIR_NOPR_2_20210113T230033_20210113T230553_C001	CS_OFFL_SIR_NOPR_2_20210113T175525_20210113T175549_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T195327_C001 CS_OFFL_SIR_NOPR_2_20210113T204121_20210113T204137_C001 CS_OFFL_SIR_NOPR_2_20210113T204121_20210113T204137_C001 CS_OFFL_SIR_NOPR_2_20210113T204121_20210113T204137_C001 CS_OFFL_SIR_NOPR_2_20210113T20033_20210113T200553_C001 Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality F	CS_OFFL_SIR_NOPR_2_20210113T182911_20210113T183124_C001		
OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range 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 Altimeter Range and Backscatter Quality Flags and Backscatter Quality Flags Altimeter Range Altimeter Range Altimeter Range Altimeter Range Altimeter Range A	CS_OFFL_SIR_NOPR_2_20210113T194826_20210113T194949_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPR_2_20210113T20012_20210113T20013_20210113T230553_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and th	CS_OFFL_SIR_NOPR_2_20210113T195215_20210113T195327_C001		
CS_OFFL_SIR_NOPR_2_20210113T230033_20210113T230553_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20210113T204121_20210113T204137_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPR_2_20210113T230033_20210113T230553_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

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:

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:

57

L2 Retracking Flags (20Hz, PLRM)

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

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

7. NOP QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	208	208	4	204	0
SIR_NOPR1B	125	125	0	125	0
SIR_NOPN1B	103	103	2	101	0
SIR_NOPM_2	208	208	143	65	0
SIR_NOPR_2	125	125	51	69	5
SIR_NOPN_2	103	103	36	67	0

7.1 QCC Errors

Number of QCC reports with errors:

10

Total	number of	occurrences	of each error

Product Type RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
SIR_NOPR_2 5	1	5	5	1	5					

Test Description Key:						
Abbreviation	Test name	Details				
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7 - NetCDF				
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6				
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7				
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7 - NetCDF				
RL	RangeLongitude_6	Longitude should be between -180E6 and 180E6				
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7				

7.2 QCC Warnings

Number of QCC reports with warnings

1702

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD		
SIR_NOPM1B	204	0	0	0	0	0	0		
SIR_NOPM_2	0	0	39	45	1	41	0		
SIR_NOPN1B	98	0	0	0	0	0	0		
SIR_NOPN_2	0	0	13	31	2	28	29		
SIR_NOPR1B	124	0	0	0	0	0	0		
SIR_NOPR_2	0	5	20	41	0	17	20		

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCDI	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	32	1	36	0	0	0	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	21	0	0	0	25	0	35
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	9	0	0	38	0	45	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	28	0	0	4	34	0	1
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	27	11	44	45	25
SIR_NOPR1B	0	0	0	0	0	0	0
SIR NOPR 2	0	37	0	3	45	30	9

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_NOPM1B	0	0	0	1	0	0	0
SIR_NOPM_2	39	0	3	1	0	0	0
SIR_NOPN1B	0	0	0	0	0	48	0
SIR_NOPN_2	27	24	10	0	1	0	0
SIR_NOPR1B	0	0	0	0	0	125	4
SIR NOPR 2	24	39	4	0	9	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				
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)				
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean				
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean				
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type =				

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RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type =
F		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	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for
DF		latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for
		latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter
	' '	

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0