

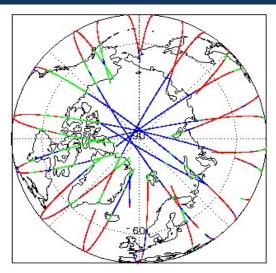
1. Overview

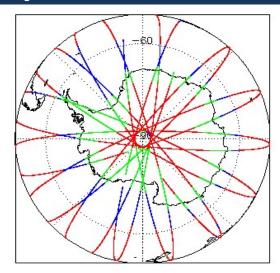
Report Production:	16-Jun-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

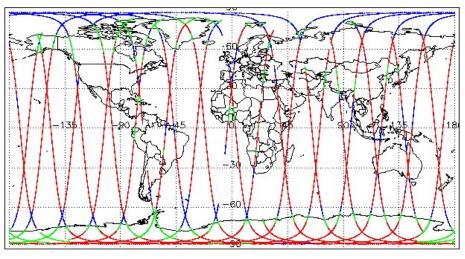
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement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

M	Mission / Instrument News		
	14-Jun-2022	None	
	15-Jun-2022	None	
	16-Jun-2022	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

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

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

4.2 L1B Product Header Analysis

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

> L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B NOPR and NOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSAR and OSAR political in required in the part release.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

4.6 L1B Waveform Group Data Check

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20220615T000425_20220615T003731_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20220615T165747_20220615T170854_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220615T093929_20220615T094513_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220615T112102_20220615T112236_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220615T154255_20220615T154446_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220615T163433_20220615T163551_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220615T194744_20220615T195233_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220615T003731_20220615T004047_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220615T062957_20220615T063654_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220615T094513_20220615T095254_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220615T180238_20220615T180325_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220615T224903_20220615T224950_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors: 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:

5.3 L2 Auxiliary Data File Usage Check

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

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20220615T000234_20220615T000425_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_20220615T004047_20220615T004405_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_20220615T004917_20220615T005042_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_20220615T013134_20220615T013243_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_20220615T022822_20220615T022930_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_20220615T031046_20220615T031159_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_20220615T040526_20220615T040714_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_20220615T054356_20220615T055003_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_20220615T062539_20220615T062957_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_20220615T071433_20220615T071705_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_20220615T072329_20220615T072641_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_20220615T080431_20220615T080820_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_20220615T090418_20220615T090535_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_20220615T121329_20220615T121455_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_20220615T122015_20220615T122221_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_20220615T135313_20220615T135540_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_20220615T135915_20220615T140247_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_20220615T153353_20220615T153628_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_20220615T162901_20220615T163023_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_20220615T170924_20220615T171514_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_20220615T180325_20220615T180428_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_20220615T180831_20220615T181042_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_20220615T185119_20220615T185301_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_20220615T190141_20220615T190344_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_20220615T194744_20220615T195233_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_20220615T221028_20220615T221423_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_20220615T222015_20220615T222141_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_20220615T235017_20220615T235330_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_20220615T235846_20220615T235958_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_20220615T031159_20220615T031912_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_20220615T045114_20220615T045842_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_20220615T062957_20220615T063654_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_20220615T080820_20220615T081700_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_20220615T094513_20220615T095254_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_20220615T181427_20220615T181519_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPR_2_20220615T212246_20220615T212811_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_20220615T225058_20220615T225200_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_20220615T230154_20220615T230949_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:

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

Number of products with errors:

Test Failed Product Description The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_20220615T000425_20220615T003731_C001 and Backscatter Quality, OCOG Altime Range and Backscatter Quality set for one or more records OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220615T004405_20220615T004917_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altime Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220615T005311_20220615T011101_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_20220615T012857_20220615T012917_C001 and Backscatter Quality, OCOG Altime and the OCOG Altimeter Range and Backscatter Quality Flags have been Range and Backscatter Quality set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags Ocean Altimeter Range, SSHA, SWH CS OFFL SIR NOPM 2 20220615T014157 20220615T020518 C001 and Backscatter Quality, OCOG Altime and the OCOG Altimeter Range and Backscatter Quality Flags have been Range and Backscatter Quality set for one or more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS OFFL SIR NOPM 2 20220615T020534 20220615T021603 C001 and Backscatter Quality, OCOG Altime and the OCOG Altimeter Range and Backscatter Quality Flags have been Range and Backscatter Quality set for one or more records OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set CS OFFL SIR NOPM 2 20220615T022411 20220615T022822 C001 Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_20220615T023305_20220615T025910_C001 and Backscatter Quality, OCOG Altime Range and Backscatter Quality set for one or more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS OFFL SIR NOPM 2 20220615T025927 20220615T030645 C001 and Backscatter Quality, OCOG Altimet Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set CS OFFL SIR NOPM 2 20220615T030842 20220615T031046 C001 for one or more records Backscatter Quality Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS OFFL SIR NOPM 2 20220615T031912 20220615T033343 C001 and Backscatter Quality, OCOG Altime and the OCOG Altimeter Range and Backscatter Quality Flags have been Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS OFFL SIR NOPM 2 20220615T033824 20220615T035116 C001 and Backscatter Quality, OCOG Altimet Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_NOPM_2_20220615T035210_20220615T035533_C001 and Backscatter Quality, OCOG Altime and the OCOG Altimeter Range and Backscatter Quality Flags have been Range and Backscatter Quality set for one or more records

CS_OFFL_SIR_NOPM_2_20220615T035746_20220615T040304_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_20220615T040310_20220615T040317_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_20220615T040323_20220615T040526_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_20220615T041407_20220615T042639_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T042853_20220615T044619_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T050815_20220615T051746_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T052023_20220615T053426_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T053711_20220615T054216_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_20220615T055046_20220615T055154_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T061022_20220615T061231_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T061354_20220615T061620_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T061623_20220615T061744_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T065727_20220615T071311_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T071705_20220615T072132_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_20220615T072154_20220615T072329_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_20220615T072833_20220615T075145_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T082752_20220615T085245_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T085527_20220615T090047_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_20220615T090053_20220615T090418_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_20220615T090749_20220615T093452_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T093618_20220615T093928_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T100312_20220615T100625_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_20220615T100627_20220615T101224_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T101226_20220615T103209_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T103514_20220615T104325_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_20220615T104746_20220615T112102_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T113409_20220615T113613_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T120456_20220615T121106_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T122705_20220615T124823_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T125110_20220615T130135_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T131216_20220615T131642_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T132155_20220615T132200_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_20220615T133233_20220615T133719_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T135540_20220615T135915_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_20220615T140625_20220615T141115_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T141124_20220615T144247_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T145537_20220615T152654_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T153628_20220615T153821_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_20220615T154114_20220615T154255_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_20220615T154551_20220615T155120_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T160032_20220615T160243_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T160723_20220615T161403_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T163023_20220615T163433_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_20220615T163614_20220615T164145_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T164226_20220615T165127_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T165747_20220615T170854_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T171808_20220615T172230_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_20220615T172513_20220615T173118_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T173226_20220615T173912_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T174219_20220615T175537_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T182229_20220615T182455_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T183358_20220615T184930_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T185301_20220615T190141_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_20220615T190434_20220615T192633_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T195456_20220615T200350_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_20220615T200353_20220615T202843_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T203506_20220615T203937_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_20220615T204408_20220615T204801_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T204804_20220615T210818_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T214055_20220615T220715_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T221423_20220615T222015_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_20220615T222236_20220615T224406_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T224411_20220615T224708_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T225435_20220615T225608_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_20220615T225915_20220615T230025_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T231246_20220615T234626_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T235330_20220615T235846_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_20220615T035607_20220615T035746_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_20220615T050427_20220615T050815_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T072329_20220615T072641_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T095254_20220615T095308_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T132201_20220615T132213_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_20220615T042645_20220615T042853_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T065049_20220615T065129_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_20220615T180151_20220615T180155_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_20220615T181042_20220615T181158_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T202844_20220615T203054_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20220615T225203_20220615T225250_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
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L2 Quality Flags (20 Hz PLRM)

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

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

Number of products with errors:

86

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20220615T000234_20220615T000425_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_20220615T013134_20220615T013243_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_20220615T030722_20220615T030842_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_20220615T040526_20220615T040714_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_20220615T050427_20220615T050815_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_20220615T054356_20220615T055003_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_20220615T062106_20220615T062229_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_20220615T062539_20220615T062957_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_20220615T064630_20220615T064937_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_20220615T072329_20220615T072641_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_20220615T080431_20220615T080820_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_20220615T082408_20220615T082752_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_20220615T090418_20220615T090535_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_20220615T095254_20220615T095308_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_20220615T095543_20220615T095559_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_20220615T103350_20220615T103514_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_20220615T104325_20220615T104440_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_20220615T112311_20220615T112446_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_20220615T113642_20220615T113804_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_20220615T114313_20220615T114517_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_20220615T121329_20220615T121455_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_20220615T131145_20220615T131216_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_20220615T135313_20220615T135540_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

	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
CS_OFFL_SIR_NOPN_2_20220615T153353_20220615T153628_C001	OCOG Backscatter Quality	more records
CS_OFFL_SIR_NOPN_2_20220615T154255_20220615T154446_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_20220615T161422_20220615T161553_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_20220615T162901_20220615T163023_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_20220615T163433_20220615T163551_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_20220615T180325_20220615T180428_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_20220615T180831_20220615T181042_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_20220615T181158_20220615T181427_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_20220615T181623_20220615T181745_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_20220615T183106_20220615T183358_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_20220615T185119_20220615T185301_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_20220615T192820_20220615T193134_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_20220615T193227_20220615T193350_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_20220615T194744_20220615T195233_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_20220615T195342_20220615T195456_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_20220615T211215_20220615T211321_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_20220615T225719_20220615T225734_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_20220615T235017_20220615T235330_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_20220615T235846_20220615T235958_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_20220615T000146_20220615T000234_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_20220615T003731_20220615T004047_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_20220615T005042_20220615T005311_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_20220615T022930_20220615T023305_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_20220615T031159_20220615T031912_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_20220615T035116_20220615T035210_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_20220615T035533_20220615T035607_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

COOR 15 FB NOTR 2 3022015790591 2022016700000 COOR All material Region 2015 FB NOTR 2 3022015790591 2022016700000 COOR All material Region 2015 FB NOTR 2 3022015790591 2022016700000 COOR All material Region 2015 FB NOTR 2 3022015790591 2022016700000 COOR All material Region 2015 FB NOTR 2 3022015790591 2022016770000 COOR All material Region 2015 FB NOTR 2 3022015790591 2022016770000 COOR All material Region 2015 FB NOTR 2 3022015790591 2022016770000 COOR All material Region 2015 FB NOTR 2 3022015790591 2022016770000 COOR All material Region 2015 FB NOTR 2 3022015790591 2022016770000 COOR All material Region 2015 FB NOTR 2 3022015790591 2022016770000 COOR All material Region 2015 FB NOTR 2 3022015790000 COOR All material Region 2015 FB NOTR		OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
Comparison Com	CS_OFFL_SIR_NOPR_2_20220615T042645_20220615T042853_C001	OCOG Backscatter Quality	
CS_OPE_SE_NORS_2_2022061510619_20220615106203_00001 CS_OPE_SE_NORS_2_20220615106219_20220615106203_0001 CS_OPE_SE_NORS_2_20220615106203_0001 CS_OPE_SE_NORS_2_2022061510	CS_OFFL_SIR_NOPR_2_20220615T045114_20220615T045842_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CO. CORPLISE NOME 2, 20239915700519, 20239915700529, COST CORPLISE NOME 2, 20239915700519, 20239915700519, COST CORPLISE NOME 2, 202399157100519, COST CORPLISE NOME 2, 202399157100519, COST CORPLISE NOME 2	CS_OFFL_SIR_NOPR_2_20220615T051747_20220615T051816_C001		
CS_OPT_SR_NORS_2_2020015105019_2020015105019_2020015105019_201001 CS_OPT_SR_NORS_2_2020015105019_20200151050019_201001 CS_OPT_SR_NORS_2_20200151050019_20200151050014_C0101 CS_OPT_SR_NORS_2_20200151050014_C0101 CS_OPT_SR_NORS_2_20200151050014_C0101 CS_OPT_SR_NORS_2_20200151050014_C0101 CS_OPT_SR_NORS_2_20200151050014_C0101 CS_OPT_SR_NORS_2_202001511050014_C0101 C	CS_OFFL_SIR_NOPR_2_20220615T051818_20220615T052023_C001		
DOCAD Backscorer Castry	CS_OFFL_SIR_NOPR_2_20220615T055154_20220615T055216_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFF_SR_NOPR_2_20220815108369_20226815108379_C01 CS_OFF_SR_NOPR_2_20220815108369_20226815108379_C01 CS_OFF_SR_NOPR_2_20220815108369_20226815108379_C01 CS_OFF_SR_NOPR_2_20220815108369_20226815108379_C01 CS_OFF_SR_NOPR_2_20220815108369_20226815108079_C01 CS_OFF_SR_NOPR_2_20220815108369_20226815108079_C01 CS_OFF_SR_NOPR_2_20220815108369_20226815108079_C01 CS_OFF_SR_NOPR_2_20220815108369_20226815108079_C01 CS_OFF_SR_NOPR_2_20220815108369_20226815108079_C01 CS_OFF_SR_NOPR_2_20220815108369_202268151080780_C01 CS_OFF_SR_NOPR_2_20220815108369_202268151080780_C01 CS_OFF_SR_NOPR_2_202208151080800_C0126851000780_C01 CS_OFF_SR_NOPR_2_202208151080800_C0126851000780_C01 CS_OFF_SR_NOPR_2_202208151080800_C0126851000780_C01 CS_OFF_SR_NOPR_2_202208151080800_C0126851000780_C01 CS_OFF_SR_NOPR_2_202208151080800_C0126851000780_C01 CS_OFF_SR_NOPR_2_202208151080800_C0126851000780_C01 CS_OFF_SR_NOPR_2_202208151080800_C0126851000780_C01 CS_OFF_SR_NOPR_2_202208151080800_C0126851000780_C01 CS_OFF_SR_NOPR_2_202208151080800_C0126851000780_C01 CS_OFF_SR_NOPR_2_202208151000580_C0126851000780_C01 CS_OFF_SR_NOPR_2_202208151000580_C0126851	CS_OFFL_SIR_NOPR_2_20220615T055219_20220615T055504_C001		
CB_GFFL_SIR_NOPR_2_20228615T08504_20228615T09504_C01 CB_GFFL_SIR_NOPR_2_20228615T08504_20228615T09504_C01 CB_GFFL_SIR_NOPR_2_20228615T08504_20228615T09504_C01 CB_GFFL_SIR_NOPR_2_20228615T09504_C0228615T09504_C01 CB_GFFL_SIR_NOPR_2_20228615T09504_C0228615T09504_C01 CB_GFFL_SIR_NOPR_2_20228615T09504_C0228615T09504_C01 CB_GFFL_SIR_NOPR_2_20228615T09505_C0228615T09504_C01 CB_GFFL_SIR_NOPR_2_20228615T09505_C0228615T09504_C01 CB_GFFL_SIR_NOPR_2_20228615T09505_C0228615T09504_C01 CB_GFFL_SIR_NOPR_2_20228615T109505_C0228615T09505_C01 CB_GFFL_SIR_NOPR_2_20228615T109505_C0228615T09505_C01 CB_GFFL_SIR_NOPR_2_20228615T109505_C0228615T09505_C01 CB_GFFL_SIR_NOPR_2_20228615T109505_C0228615T109505_C01 CB_GFFL_SIR_NOPR_2_20228615T109505_C01 CB_	CS_OFFL_SIR_NOPR_2_20220615T062229_20220615T062446_C001		
OCCG Backscater Caulty PLRM. OCCG Backscater	CS_OFFL_SIR_NOPR_2_20220615T062957_20220615T063654_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCG Gaskscater Quality Flags more records CS_OFFL_SIR_NOPR_2_0220015T000032_0220015T001709_C001 All nether Range and Backscater Quality Flags and Backscater Quality Flags have been at fire on or more records CS_OFFL_SIR_NOPR_2_0220015T000035_0222015T000749_C001 CS_OFFL_SIR_NOPR_2_0220015T000035_0222015T000749_C001 CS_OFFL_SIR_NOPR_2_02220015T000035_0222015T000749_C001 CS_OFFL_SIR_NOPR_2_02220015T000035_0222015T000749_C001 CS_OFFL_SIR_NOPR_2_02220015T000035_0222015T000749_C001 CS_OFFL_SIR_NOPR_2_02220015T000035_0222015T0000040_C001 CS_OFFL_SIR_NOPR_2_02220015T000005_0222015T0000040_C001 CS_OFFL_SIR_NOPR_2_02220015T000005_0222015T0000040_C001 CS_OFFL_SIR_NOPR_2_02220015T000005_0222015T0000040_C001 CS_OFFL_SIR_NOPR_2_02220015T0000000000000000000000000000000	CS_OFFL_SIR_NOPR_2_20220615T063703_20220615T063717_C001		
CS_OFFL_SIR_NOPR_2_20220615T090535_20220615T090749_C001 CS_OFFL_SIR_NOPR_2_20220615T090535_20220615T090749_C001 CS_OFFL_SIR_NOPR_2_20220615T090535_20220615T090749_C001 CS_OFFL_SIR_NOPR_2_20220615T090535_20220615T090749_C001 CS_OFFL_SIR_NOPR_2_20220615T090535_20220615T090749_C001 CS_OFFL_SIR_NOPR_2_20220615T090535_20220615T0905749_C001 CS_OFFL_SIR_NOPR_2_20220615T090579_C001 CS_OFFL_SIR_NOPR_2_20220615T090579_C001 CS_OFFL_SIR_NOPR_2_20220615T090579_C001 CS_OFFL_SIR_NOPR_2_20220615T090579_C001 CS_OFFL_SIR_NOPR_2_20220615T12236_20220615T123310_C001 CS_OFFL_SIR_NOPR_2_20220615T12236_20220615T12330_C001 CS_OFFL_SIR_NOPR_2_20220615T12332_20220615T12330_C001 CS_OFFL_SIR_NOPR_2_20220615T12333_2001 CS_OFFL_SIR_NOPR_2_20220615T1303249_C001 CS_OFFL_SIR_NOPR_2_20220615T1303440_C001 CS_OFFL_SIR_NOPR_2_20220615T1303440_C001 CS_OFFL_SIR_NOPR_2_20220615T1303440_C001 CS_OFFL_SIR_NOPR_2_20220615T1303440_C001 CS_OFFL_SIR_NOPR_2_20220615T1303440_C001 CS_OFFL_SIR_NOPR_2_20220615T1544440_20220615T16551_C001 CS_OFFL_SIR_NOPR_2_20220615T166541_C001 CCS_OFFL_SIR_NOPR_2_20220615T166541_C001 CCS_OFFL_SIR_NOPR_2_20220615T166541_C001 CCS_OFFL_SIR_NOPR_2_20220615T166541_C001 CCS_OFFL_SIR_NOPR_2_20220615T166541_C001 CCS_OFFL_SIR_NOPR_2_20220615T166541_C001 CCS_OFFL_SIR_NOPR_2_20220615T166541_C001 CCS_OFFL_SIR_NOPR_2_20220615T166541_C001 CCS_OFFL_SIR_NOPR	CS_OFFL_SIR_NOPR_2_20220615T065049_20220615T065129_C001		
CS_OFFL_SIR_NOPR_2_20220615T109479_2000 CS_OFFL_SIR_NOPR_2_20220615T094513_20220615T096254_CO01 CS_OFFL_SIR_NOPR_2_20220615T095505_20220615T096254_CO01 CS_OFFL_SIR_NOPR_2_20220615T095505_20220615T096254_CO01 CS_OFFL_SIR_NOPR_2_20220615T095505_20220615T096254_CO01 CS_OFFL_SIR_NOPR_2_20220615T095505_20220615T096534_CO01 CS_OFFL_SIR_NOPR_2_20220615T095505_20220615T096534_CO01 CS_OFFL_SIR_NOPR_2_20220615T195505_20220615T096534_CO01 CS_OFFL_SIR_NOPR_2_20220615T195505_20220615T1096715_CO01 CS_OFFL_SIR_NOPR_2_20220615T112236_CO0220615T12230_CO01 CS_OFFL_SIR_NOPR_2_20220615T112236_CO01 CS_OFFL_SIR_NOPR_2_20220615T112332_20220615T123333_CO01 CS_OFFL_SIR_NOPR_2_20220615T13046_CO020615T1095715_CO01 CS_OFFL_SIR_NOPR_2_20220615T13046_CO020615T1095715_CO01 CS_OFFL_SIR_NOPR_2_20220615T13046_CO020615T1095715_CO01 CS_OFFL_SIR_NOPR_2_20220615T13046_CO01 CS_OFFL_SIR_NOPR_2_20220615T150465_CO01 CS_OFFL_SIR_NOPR_2_20220615T150465_CO01 CS_OFFL_SIR_NOPR_2_20220615T16465_CO01 CS_OFFL_SIR_NOPR_2_2	CS_OFFL_SIR_NOPR_2_20220615T080820_20220615T081700_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_20220615T09505_20220815T095543_C001 CS_OFFL_SIR_NOPR_2_20220615T09505_20220815T095543_C001 CS_OFFL_SIR_NOPR_2_20220615T09505_20220815T095543_C001 CS_OFFL_SIR_NOPR_2_20220615T09505_20220815T095543_C001 CS_OFFL_SIR_NOPR_2_20220615T09505_20220815T095715_C001 CS_OFFL_SIR_NOPR_2_20220615T19236_20220815T1095715_C001 CS_OFFL_SIR_NOPR_2_20220615T112236_20220815T1095715_C001 CS_OFFL_SIR_NOPR_2_20220615T112236_20220815T1095715_C001 CS_OFFL_SIR_NOPR_2_20220615T112236_20220815T1095715_C001 CS_OFFL_SIR_NOPR_2_20220615T112332_C001 CS_OFFL_SIR_NOPR_2_20220615T112332_C001 CS_OFFL_SIR_NOPR_2_20220615T112333_20220815T109575_C001 CS_OFFL_SIR_NOPR_2_20220615T12006_20220815T109575_C001 CS_OFFL_SIR_NOPR_2_20220615T12006_20220815T109575_C001 CS_OFFL_SIR_NOPR_2_20220615T12006_20220815T109575_C001 CS_OFFL_SIR_NOPR_2_20220615T12006_20220815T109575_C001 CS_OFFL_SIR_NOPR_2_20220615T12006_20220815T109575_C001 CS_OFFL_SIR_NOPR_2_20220615T150056_20220815T109585_2020815T109585_2001 CS_OFFL_SIR_NOPR_2_20220615T150056_20220815T109585_2001 CS_OFFL_SIR_NOPR_2_20220615T150056_20220815T109585_2001 CS_OFFL_SIR_NOPR_2_20220615T150056_20220815T109585_2001 CS_OFFL_SIR_NOPR_2_20220615T150056_20220815T109585_2001 CS_OFFL_SIR_NOPR_2_20220615T150056_20220815T109585_2001 CS_OFFL_SIR_NOPR_2_20220615T150056_20220815T150056_2001 CS_OFFL_SIR_NOPR_2_20220615T150056_20220815T150056_2001 CC_OFFL_SIR_NOPR_2_20220615T150056_20220815T150056_2001 CC_OFFL_SIR_NOPR_2_20220615T150056_20220815T150056_2001 CC_OFFL_SIR_NOPR_2_20220615T150056_20220815T150056_2001 CC_OFFL_SIR_NOPR_2_20220615T150056_20220815T150056_2001 CC_OFFL_SIR_NOPR_2_20220615T150056_20220815T150056_2001 CC_OFFL_SIR_NOPR_2_20220615T150056_20220815T150056_2001 CC_OFFL_SIR_NOPR_2_20220615T150056_20220815T150056_2001 CC_OFFL_SIR_NOPR_2_20220615T150056_20220815T150056_2001 CC_OFFL_SIR_NOPR_2_20220615T150056_20020815T150056_2001 CC_OFFL_SIR_NOPR_2_20220615T150056_20020815T160556_2001 CC_OFFL_SIR_NOPR_2_20220615T150056_20020815T160556_2001 CC_OFFL_SIR_NOPR_2	CS_OFFL_SIR_NOPR_2_20220615T090535_20220615T090749_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_20220615T1095506_20220615T096543_C001 Allimeter Range and Backscatter Quality PLRM, COCG Allimeter Range Quality PLRM, COCG Allimeter Range Quality PLRM, COCG Backscatter Quality PLRM, COCG Allimeter Range Quality PLRM, COCG Backscatter Quality PLRM, COCG Backscatter Quality PLRM, COCG Backscatter Quality PLRM, COCG Allimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220615T12136_20220615T121329_C001 CS_OFFL_SIR_NOPR_2_20220615T12233_20220615T121329_C001 CS_OFFL_SIR_NOPR_2_20220615T12333_20220615T12339_C001 CS_OFFL_SIR_NOPR_2_20220615T130135_20220615T130249_C001 CS_OFFL_SIR_NOPR_2_20220615T130135_20220615T130249_C001 CS_OFFL_SIR_NOPR_2_20220615T130135_20220615T130353_C001 CS_OFFL_SIR_NOPR_2_20220615T130353_C001 CS_OFFL_SIR_NOPR_2_20220615T130353_C001 CS_OFFL_SIR_NOPR_2_20220615T130353_C001 CS_OFFL_SIR_NOPR_2_20220615T156551_C001 CS_OFFL_SIR_NOPR_2_20220615T156504_C0220615T156551_C001 CS_OFFL_SIR_NOPR_2_20220615T165181_C0020615T165541_C001 CS_OFFL_SIR_NOPR_2_20220615T165264_00220615T165541_C001 CS_OFFL_SIR_NOPR_2_20220615T165	CS_OFFL_SIR_NOPR_2_20220615T094513_20220615T095254_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_20220615T12236_20220615T12311_C001 CS_OFFL_SIR_NOPR_2_20220615T12236_20220615T12312_C001 CS_OFFL_SIR_NOPR_2_20220615T121106_20220615T12329_C001 CS_OFFL_SIR_NOPR_2_20220615T121106_20220615T12329_C001 CS_OFFL_SIR_NOPR_2_20220615T12233_20220615T122705_C001 CS_OFFL_SIR_NOPR_2_20220615T12233_20220615T122705_C001 CS_OFFL_SIR_NOPR_2_20220615T13233_20220615T122705_C001 CS_OFFL_SIR_NOPR_2_20220615T130135_20220615T130135_200220615T130135_2000100100100100100100100100100100100100	CS_OFFL_SIR_NOPR_2_20220615T095505_20220615T095543_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCG Backscatter Quality CS_OFFL_SIR_NOPR_2_20220615T121108_20220615T121329_CO01 CS_OFFL_SIR_NOPR_2_20220615T122323_20220615T122705_CO01 CS_OFFL_SIR_NOPR_2_20220615T122323_20220615T122705_CO01 CS_OFFL_SIR_NOPR_2_20220615T130135_20220615T130249_CO01 CS_OFFL_SIR_NOPR_2_20220615T130135_20220615T130249_CO01 CS_OFFL_SIR_NOPR_2_20220615T130333_CO01 CS_OFFL_SIR_NOPR_2_20220615T130333_CO01 CS_OFFL_SIR_NOPR_2_20220615T130333_CO01 CS_OFFL_SIR_NOPR_2_20220615T130333_CO01 CS_OFFL_SIR_NOPR_2_20220615T152664_20220615T153533_CO01 CS_OFFL_SIR_NOPR_2_20220615T152664_20220615T153533_CO01 CS_OFFL_SIR_NOPR_2_20220615T154446_20220615T153533_CO01 CS_OFFL_SIR_NOPR_2_20220615T154446_20220615T153551_CO01 CS_OFFL_SIR_NOPR_2_20220615T154446_20220615T155551_CO01 CS_OFFL_SIR_NOPR_2_20220615T16518_20220615T165341_CO01 CS_OFFL_SIR_NOPR_2_20220615T16518_20220615T165341_CO01 CS_OFFL_SIR_NOPR_2_20220615T16518_20220615T165341_CO01 CS_OFFL_SIR_NOPR_2_20220615T16518_20220615T165341_CO01 CS_OFFL_SIR_NOPR_2_20220615T166128_20220615T165341_CO01 CS_OFFL_SIR_NOPR_2_20220615T166148_20220615T186541_CO01 CS_OFFL_SIR_NOPR_2_20220615T166148_20220615T186541_CO01 CS_OFFL_SIR_NOPR_2_20220615T166148_20220615T186541_CO01 CS_OFFL_SIR_NOPR_2_20220615T166341_CO01 CS_OFFL_SIR_NOPR_2_20220615T166341_CO01 CS_OFFL_SIR_NOPR_2_20220615T166341_CO01 CS_OFFL_SIR_NOPR_2_20220615T166341_CO01 CS_OFFL_SIR_NOPR_2_20220615T166341_CO01 CS_OFFL_SIR_NOPR_2_20220615T166341_CO01 CS_OFFL_SIR_NOPR_2_	CS_OFFL_SIR_NOPR_2_20220615T095559_20220615T095715_C001		
and Backscatter Quality PLRM. OCCA Altimeter Range Altimeter Range and Backscatter Quality PLRM. OCCA Altime	CS_OFFL_SIR_NOPR_2_20220615T112236_20220615T112311_C001		
CS_OFFL_SIR_NOPR_2_20220615T122323_20220615T122705_C001 Allimeter Range and Backscatter Quality PLRM, OCOG Allimeter Range and Backscatter Quality Plags and the OCOG Allimeter Range and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T18515_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T18515_C001 CS_OFFL_SIR_NOPR_2_20220615T184030_20220615T18515_C001 CS_OFFL_SIR_NOPR_2_20220615T184030_20220615T18515_C001 CS_OFFL_SIR_NOPR_2_20220615T184030_2	CS_OFFL_SIR_NOPR_2_20220615T121106_20220615T121329_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_20220615T134934_20220615T135313_C001 CS_OFFL_SIR_NOPR_2_20220615T134934_20220615T135313_C001 CS_OFFL_SIR_NOPR_2_20220615T152654_20220615T153535_C001 CS_OFFL_SIR_NOPR_2_20220615T152654_20220615T153535_C001 CS_OFFL_SIR_NOPR_2_20220615T152654_20220615T15355_C001 CS_OFFL_SIR_NOPR_2_20220615T154446_20220615T154551_C001 CS_OFFL_SIR_NOPR_2_20220615T154446_20220615T165341_C001 CS_OFFL_SIR_NOPR_2_20220615T165128_20220615T165341_C001 CS_OFFL_SIR_NOPR_2_20220615T165128_20220615T165341_C001 CS_OFFL_SIR_NOPR_2_20220615T165128_20220615T165341_C001 CS_OFFL_SIR_NOPR_2_20220615T175621_20220615T165341_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T185119_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T185119_C001 CS_OFFL_SIR_NOPR_2_2022061	CS_OFFL_SIR_NOPR_2_20220615T122323_20220615T122705_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_20220615T134934_20220615T135313_C001 Altimeter Range 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 Range and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, O	CS_OFFL_SIR_NOPR_2_20220615T130135_20220615T130249_C001		
Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220615T154446_20220615T154551_C001 CS_OFFL_SIR_NOPR_2_20220615T165128_20220615T165341_C001 CS_OFFL_SIR_NOPR_2_20220615T165128_20220615T165341_C001 CS_OFFL_SIR_NOPR_2_20220615T175651_20220615T165341_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T185119_C001 CS_OFFL_SIR_NOPR_2_20220615T1844930_20220615T185119_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T185119_C001 CS_OFFL_SIR_NOPR_2_20220615T184930_20220615T185119_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220615T184930_20220615T185119_C001 CS_OFFL_SIR_NOPR_2_20220615T184930_20220615T185119_C001 Altimeter Range And Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220615T184930_20220615T185119_C001 CS_OFFL_SIR_NOPR_2_20220615T184930_20220615T185119_C001	CS_OFFL_SIR_NOPR_2_20220615T134934_20220615T135313_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM or one or more records CS_OFFL_SIR_NOPR_2_20220615T165128_20220615T165341_C001 CS_OFFL_SIR_NOPR_2_20220615T165128_20220615T165341_C001 CS_OFFL_SIR_NOPR_2_20220615T175621_20220615T175657_C001 CS_OFFL_SIR_NOPR_2_20220615T175621_20220615T175657_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T184030_20220615T185119_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPR_2_20220615T152654_20220615T153353_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_20220615T18512_20220615T185157_C001 CS_OFFL_SIR_NOPR_2_20220615T185021_20220615T185657_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T184930_20220615T185119_C001 CS_OFFL_SIR_NOPR_2_20220615T184930_20220615T185119_C	CS_OFFL_SIR_NOPR_2_20220615T154446_20220615T154551_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_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 CS_OFFL_SIR_NOPR_2_20220615T184930_20220615T185119_C001 CS_OFFL_SIR_NOPR_2_20220615T184930_20220615T185119_C001 OCOG Backscatter Quality In the Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG	CS_OFFL_SIR_NOPR_2_20220615T165128_20220615T165341_C001		
CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPR_2_20220615T184930_20220615T185119_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG	CS_OFFL_SIR_NOPR_2_20220615T175621_20220615T175657_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and Backscatter	CS_OFFL_SIR_NOPR_2_20220615T181042_20220615T181158_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_20220615T184930_20220615T185119_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_20220615T202844_20220615T203054_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_20220615T211833_20220615T211953_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_20220615T212246_20220615T212811_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_20220615T220715_20220615T221028_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_20220615T222141_20220615T222236_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_20220615T225203_20220615T225250_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_20220615T225608_20220615T225719_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_20220615T230025_20220615T230106_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_20220615T230154_20220615T230949_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_20220615T231053_20220615T231130_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_20220615T234626_20220615T235017_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors:

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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

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

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

150