

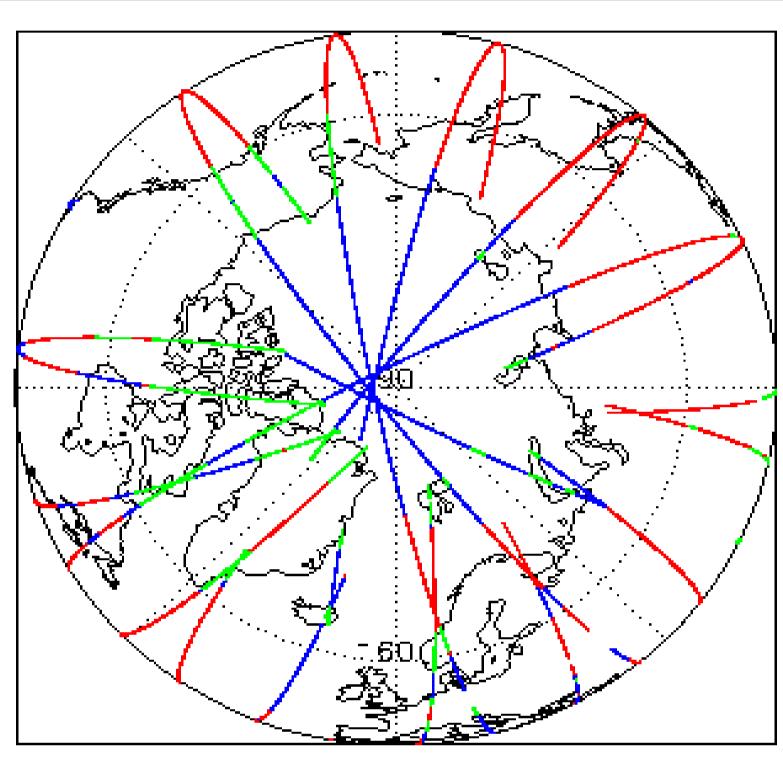
1. Overview

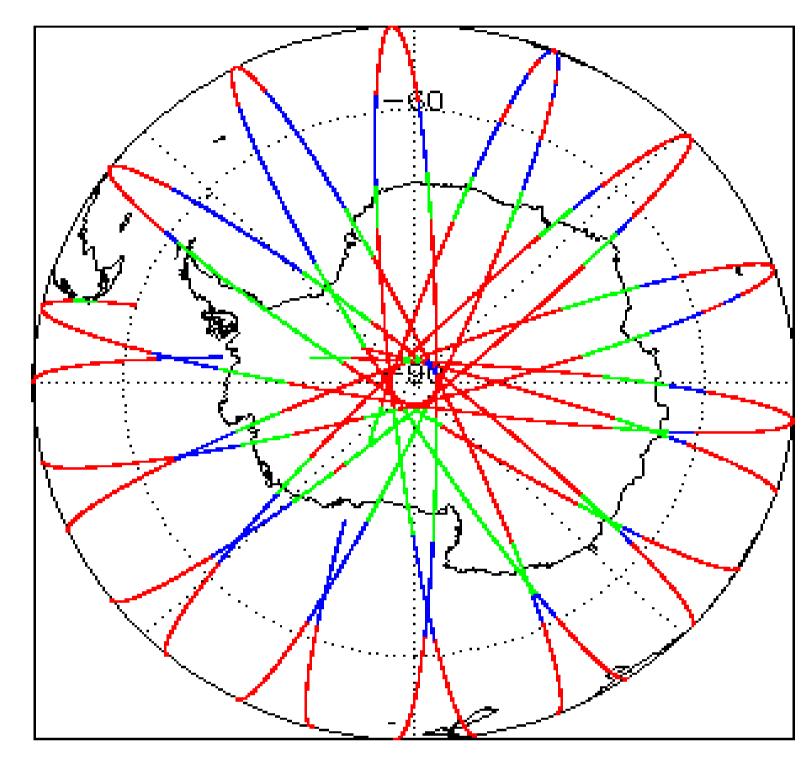
Report Production:	30-Jun-2021	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

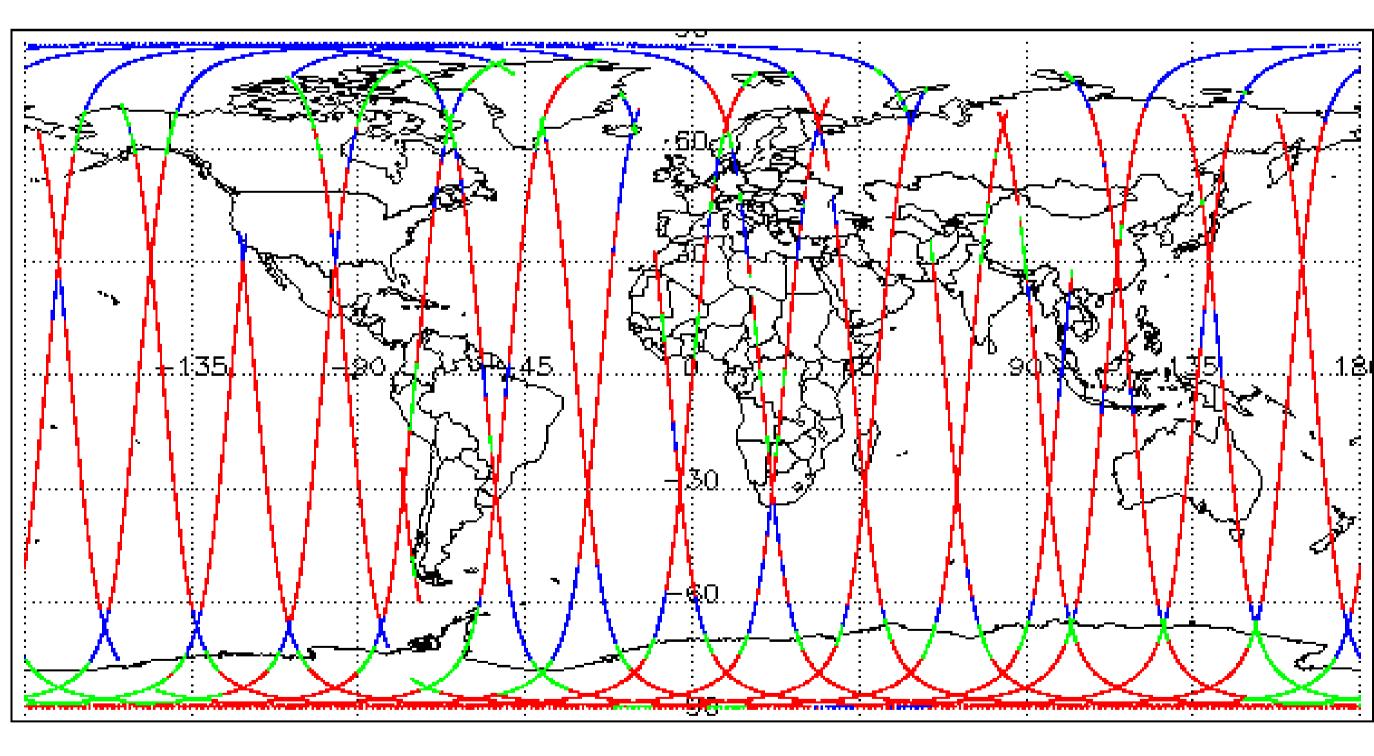
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement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

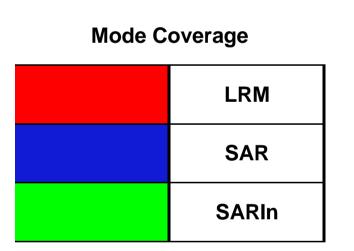
Mission / Instrument News		
28-Jun-2021	None	
29-Jun-2021	None	
30-Jun-2021	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

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

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

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:

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. This is being investigated and will be updated in the next SW update.

Number of products with errors:

Product

CS_OFFL_SIR_NOPM1B_20210629T013053_20210629T013423_C001

Power scaling error

CS_OFFL_SIR_NOPM1B_20210629T050559_20210629T050945_C001

Power scaling error

Power scaling error

There is an error in the scaling of the L1B waveform for one or more records

There is an error in the scaling of the L1B waveform for one or more records

There is an error in the scaling of the L1B waveform for one or more records

There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

16

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20210629T114617_20210629T120001_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20210629T194002_20210629T201520_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20210629T222820_20210629T224046_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210629T062226_20210629T062246_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210629T094417_20210629T094630_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210629T102003_20210629T102612_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210629T125828_20210629T130032_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210629T130037_20210629T130322_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210629T143119_20210629T143159_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210629T161227_20210629T161242_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210629T224413_20210629T224610_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20210629T224816_20210629T225031_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210629T202858_20210629T203425_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210629T224319_20210629T224412_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210629T225615_20210629T225724_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20210629T231809_20210629T231948_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 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.

42

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20210629T044506_20210629T044730_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_20210629T130322_20210629T130342_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_NOPM_2_20210629T160811_20210629T161105_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_20210629T011523_20210629T011913_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_20210629T021509_20210629T021625_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_20210629T035414_20210629T035535_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_20210629T043206_20210629T043328_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_20210629T045250_20210629T045300_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_20210629T052417_20210629T052543_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_20210629T070356_20210629T070511_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_20210629T071006_20210629T071330_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_20210629T084443_20210629T084719_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_20210629T084912_20210629T085539_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_20210629T093953_20210629T094114_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_20210629T102003_20210629T102612_C001	· · · · · · · · · · · · · · · · · · ·	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_20210629T103326_20210629T103502_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_20210629T111914_20210629T112039_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_20210629T121230_20210629T121418_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_20210629T125828_20210629T130032_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_20210629T152304_20210629T152514_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean	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_20210629T170107_20210629T170423_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_20210629T170944_20210629T171103_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_20210629T183956_20210629T184316_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_20210629T184840_20210629T185005_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_20210629T202654_20210629T202831_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_20210629T211016_20210629T211116_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_20210629T220431_20210629T220641_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_20210629T224816_20210629T225031_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_20210629T233449_20210629T233636_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_20210629T045231_20210629T045250_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_20210629T045300_20210629T045420_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_20210629T100216_20210629T100430_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPR_2_20210629T111219_20210629T111321_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPR_2_20210629T112840_20210629T112957_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_20210629T143342_20210629T143851_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_20210629T160140_20210629T160340_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_20210629T161242_20210629T162046_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_20210629T174425_20210629T174614_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_20210629T175113_20210629T180001_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_20210629T193216_20210629T194001_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_20210629T211116_20210629T211659_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_20210629T225031_20210629T225615_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_20210629T013053_20210629T013423_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20210629T050559_20210629T050945_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20210629T130621_20210629T131106_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.

82

3

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20210629T000923_20210629T002407_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T002737_20210629T003208_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_20210629T003244_20210629T003404_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_20210629T003931_20210629T010528_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T013839_20210629T020335_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T020729_20210629T021122_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_20210629T021144_20210629T021509_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_20210629T021835_20210629T024505_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T031748_20210629T032151_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T032153_20210629T034304_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T034552_20210629T035037_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPM_2_20210629T035835_20210629T043206_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T044506_20210629T044730_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T050559_20210629T050945_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_20210629T051653_20210629T051851_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T052543_20210629T053107_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_20210629T053753_20210629T055912_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T060157_20210629T061244_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T062335_20210629T062703_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T064313_20210629T070024_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T070511_20210629T071006_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_20210629T071705_20210629T074941_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T074943_20210629T075320_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T081159_20210629T081430_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T081445_20210629T083744_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T085649_20210629T091138_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T091214_20210629T091333_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T091814_20210629T092323_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T092325_20210629T092603_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T094114_20210629T094417_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_20210629T094640_20210629T100216_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T100448_20210629T101922_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T102612_20210629T102826_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_20210629T103550_20210629T105003_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T105142_20210629T110801_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T112957_20210629T113923_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T114617_20210629T120001_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T120404_20210629T121230_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_20210629T121513_20210629T123732_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T124250_20210629T124327_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_20210629T130322_20210629T130342_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_20210629T131325_20210629T131638_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T131640_20210629T133937_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T134553_20210629T135044_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_20210629T135710_20210629T141836_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T145219_20210629T151805_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T152515_20210629T153112_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_20210629T153330_20210629T160116_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T162358_20210629T165715_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T170423_20210629T170944_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_20210629T171301_20210629T171518_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T174730_20210629T175113_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T180305_20210629T181224_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T181510_20210629T183644_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T184316_20210629T184426_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_20210629T184434_20210629T184840_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_20210629T185248_20210629T190345_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T190532_20210629T191135_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T194002_20210629T201520_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T201823_20210629T202327_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_20210629T202346_20210629T202654_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_20210629T203426_20210629T210524_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T211831_20210629T213308_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	1	I and the second

CS_OFFL_SIR_NOPM_2_20210629T213545_20210629T213849_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T213851_20210629T215455_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T215716_20210629T220225_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_20210629T220303_20210629T220431_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_20210629T221210_20210629T222202_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T222820_20210629T224046_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T230700_20210629T231809_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T231949_20210629T233404_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T233636_20210629T234137_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_20210629T235014_20210629T235210_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T235331_20210630T000458_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T084443_20210629T084719_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_20210629T130037_20210629T130322_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_20210629T143119_20210629T143159_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T174631_20210629T174729_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210629T063243_20210629T063430_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_20210629T100216_20210629T100430_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_20210629T220238_20210629T220244_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_20210629T222607_20210629T222820_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (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: 78

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20210629T011313_20210629T011435_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_20210629T013423_20210629T013555_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_20210629T020505_20210629T020729_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_20210629T034428_20210629T034551_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 Bit. NOME 2. 2010/29 (2004) 2010/2010/2010/2010/2010/2010/2010/2010	CS_OFFL_SIR_NOPN_2_20210629T043206_20210629T043328_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CE_OFF_SR_NOR_2_2003000100373_2000000100345_CO_OFF_SR_NOR_2_2003000100345_CO_OFF_SR_NOR_2_2003000100345_CO_OFF_SR_NOR_2_2003000100345_CO_OFF_SR_NOR_2_2003000100345_CO_OFF_SR_NOR_2_2003000110034_CO_OFF_SR_NOR_2_2003000110034_CO_OFF_SR_NOR_2_2003000110034_CO_OFF_SR_NOR_2_2003000110034_CO_OFF_SR_NOR_2_2003000110034_CO_OFF_SR_NOR_2_2003000110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030001110034_CO_OFF_SR_NOR_2_20030000110034_CO_OFF_SR_NOR_2_200300000110034_CO_OFF_SR_NOR_2_20030000110034_CO_OFF_SR_NOR_2_200300000110034_CO_OFF_SR_NOR_2_20030000110034_CO_OFF_SR_NOR_2_20030000110034_CO_OFF_SR_NOR_2_20030000110034_CO_OFF_SR_NOR_2_20030000110034_CO_OFF_SR_NOR_2_20030000110034_CO_OFF_SR_NOR_2_20030000110034_CO_OFF_SR_NOR_2_20030000110034_CO_OFF_SR_NOR_2_20030000110034_CO_OFF_SR_NOR_2_20030000110034_CO_OFF_SR_NOR_2_20030000110034_CO_	CS_OFFL_SIR_NOPN_2_20210629T043407_20210629T043533_C001		
### CODE Program Control (Control (CS_OFFL_SIR_NOPN_2_20210629T050501_20210629T050558_C001	•	
COUNT_SR_NOPY_ZECTORET_TOTAL_COST	CS_OFFL_SIR_NOPN_2_20210629T062703_20210629T062843_C001		, ,
CS_OPT_SIR_NON_2_2520N22TIV2912_252N22TIV2912_2010031100312_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2010031100312_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2010031100312_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2010031100312_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2010031100312_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2010031100312_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2010031100312_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2010031100312_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2010031100312_COID CS_OPT_SIR_NON_2_2520N22TIV2912_20100311100312_COID CS_OPT_SIR_NON_2_2520N22TIV2912_20100311100311_COID CS_OPT_SIR_NON_2_2520N22TIV2912_20100311100311_COID CS_OPT_SIR_NON_2_2520N22TIV2912_20100311100311_COID CS_OPT_SIR_NON_2_2520N22TIV2912_20100311100311_COID CS_OPT_SIR_NON_2_2520N22TIV2912_20100311100311_COID CS_OPT_SIR_NON_2_2520N22TIV2912_20100311100311_COID CS_OPT_SIR_NON_2_2520N22TIV2912_20100311100311_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2000311100311_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2000311100311100311_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2000311100311_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2000311100311_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2000311100311_COID CS_OPT_SIR_NON_2_2520N22TIV2912_2000311100311_COID CS_OPT_SIR_NON_2_2520N22TIV	CS_OFFL_SIR_NOPN_2_20210629T063010_20210629T063035_C001	•	
CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2017) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD CG. CFF. SIR NORW 2. 2011/05/2011/2013. 2017 (NOET 11/2018) CDD	CS_OFFL_SIR_NOPN_2_20210629T063959_20210629T064313_C001		
CS_OFF_SIR_NON_2_2021020T110725_202_020T112012_007 CS_OFF_SIR_NON_2_2021020T11075_202_020T12012_007 CS_OFF_SIR_NON_2_2021020T111075_202_020T12012_007 CS_OFF_SIR_NON_2_2021020T11075_202_020T12012_007 CS_OFF_SIR_NON_2_2021020T11075_202_020T1201	CS_OFFL_SIR_NOPN_2_20210629T084912_20210629T085539_C001	•	
SS_OFF_SR_NOPN_2_20210929110203_2021092911499_COID CS_OFF_SR_NOPN_2_20210929111497_2071092911499_COID CS_OFF_SR_NOPN_2_20210929111497_2071092911499_COID CS_OFF_SR_NOPN_2_2021092911223_2021092911499_COID CS_OFF_SR_NOPN_2_2021092911223_20210929112932_COID CS_OFF_SR_NOPN_2_2021092911293_20210929112932_COID CS_OFF_SR_NOPN_2_2021092911293_20210929112933_COID CCCOR_Mineter Range Gualty PLRM. CCCC Recordater Gualty PLRM.	CS_OFFL_SIR_NOPN_2_20210629T093953_20210629T094114_C001		
S. OFFL SR NOPN 2 20110627112122 2210629110352 C001 OCS OFFL SR NOPN 2 2011062711212 2210629112451 C001 OCS OFFL SR NOPN 2 20110627112122 2210629112629 C001 OCS OFFL SR NOPN 2 2011062711212 2210629112629 C001 OCS OFFL SR NOPN 2 20110627112122 2210629112629 C001 OCS OFFL SR NOPN 2 2011062711222 2210629112629 C001 OCS OFFL SR NOPN 2 20110627112100 C001 OCS OFFL SR NOPN 2 2011062711200 C00100 C00	CS_OFFL_SIR_NOPN_2_20210629T102003_20210629T102612_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backgrather Quality PLEM, COOD and Backgrather Quality PLEM, COOD All makes Range and Backgrather Quality PLEM, COOD All makes Range and Backgrather Quality Plags have been set for one or more records. CS_OPPL_SIR_NOPN_2_20210628114134_20210628114817_CO01 CS_OPPL_SIR_NOPN_2_20210628114134_20210628114817_CO01 CS_OPPL_SIR_NOPN_2_20210628114134_20210628114817_CO01 CS_OPPL_SIR_NOPN_2_20210628114134_20210628114835_CO01 CS_OPPL_SIR_NOPN_2_202106281141382_20210628114835_CO01 CS_OPPL_SIR_NOPN_2_202106281141382_202106281142835_CO01 CS_OPPL_SIR_NOPN_2_20210628114382_202106281142835_CO01 CS_OPPL_SIR_NOPN_2_20210628114382_202106281124355_CO01 CS_OPPL_SIR_NOPN_2_20210628114382_202106281124355_CO01 CS_OPPL_SIR_NOPN_2_20210628114382_202106281124355_CO01 CS_OPPL_SIR_NOPN_2_20210628114382_202106281124355_CO01 CS_OPPL_SIR_NOPN_2_20210628114382_20210628114383_CO001 CS_OPPL_SIR_NOPN_2_20210628114382_20210628114383_CO001 CS_OPPL_SIR_NOPN_2_202106281152116_202106281_CO001 CS_OPPL_SIR_NOPN_2_202106281152116_202106281_CO001 CS_OPPL_SIR_NOPN_2_202106281152116_202106281_CO01 CS_OPPL_SIR_NOPN_2_202106281152116_202	CS_OFFL_SIR_NOPN_2_20210629T103326_20210629T103502_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
SC OFFL SIR NOPN 2 20210629T142323_20210629T14617_D001 SC OFFL SIR NOPN 2 20210629T14154_20210629T14617_D001 CS OFFL SIR NOPN 2 20210629T123204_20210629T124250_C001 CS OFFL SIR NOPN 2 20210629T124328_20210629T124350_C001 CS OFFL SIR NOPN 2 20210629T163122_20210629T124350_C001 CS OFFL SIR NOPN 2 20210629T16312_20210629T124350_C001 CS OFFL SIR NOPN 2 20210629T16312_20210629T162246_C001 CS OFFL SIR NOPN 2 20210629T16312_20210629T162236_C001 CS OFFL SIR NOPN 2 20210629T16312_20210629T162246_C001 CS OFFL SIR NOPN 2 20210629T16312_20210629T162246_C001 CS OFFL SIR NOPN 2 20210629T16312_20210629T162246_C001 CS OFFL SIR NOPN 2 20210629T170177_20210629T150246_C001 CS OFFL SIR NOPN 2 20210629T170177_20210629T170423_C001 CS OFFL SIR NOPN 2 20210629T170177_20210629T170008_C001 CS OFFL SIR NOPN 2 20210629T170177_20210629T170008_C001 CS OFFL	CS_OFFL_SIR_NOPN_2_20210629T111417_20210629T111451_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20210629T123984_20210629T124286_C001 CS_OFFL_SIR_NOPN_2_20210629T124386_20210629T124386_C001 CS_OFFL_SIR_NOPN_2_20210629T124386_20210629T124386_C001 CS_OFFL_SIR_NOPN_2_20210629T124386_20210629T142100_C001 CS_OFFL_SIR_NOPN_2_20210629T152116_20210629T152230_C001 CS_OFFL_SIR_NOPN_2_20210629T152116_20210629T152230_C001 CS_OFFL_SIR_NOPN_2_20210629T152116_20210629T152230_C001 CS_OFFL_SIR_NOPN_2_20210629T152116_20210629T152230_C001 CS_OFFL_SIR_NOPN_2_20210629T152116_20210629T152230_C001 CS_OFFL_SIR_NOPN_2_20210629T162040_20210629T162212_C001 CS_OFFL_SIR_NOPN_2_20210629T162040_20210629T162212_C001 CS_OFFL_SIR_NOPN_2_20210629T162040_20210629T162212_C001 CS_OFFL_SIR_NOPN_2_20210629T170946_20210629T162212_C001 CS_OFFL_SIR_NOPN_2_20210629T170946_20210629T170920_C001 CS_OFFL_SIR_NOPN_2_20210629T170940_20210629T170920_C001 CS_OFFL_SIR_NOPN_2_20210629T170946_20210629T170920_C001 CS_OFFL_SIR_NOPN_2_20210629T170946_20210629T170920_C001 CS_OFFL_SIR_NOPN_2_20210629T170946_20210629T170920_C001 CS_OFFL_SIR_NOPN_2_20210629T170946_20210629T170900_C001 CS_OFFL_SIR_NOPN_2_20210629T170946_20210629T170900_C001 CS_OFFL_SIR_NOPN_2_20210629T170946_20210629T170900_C001 CS_OFFL_SIR_NOPN_2_20210629T170946_20210629T170900_C001 CS_OFFL_SIR_NOPN_2_20210629T170946_20210629T170900_C001 CS_OFFL_SIR_NOPN_2_20210629T170946_20210629T170900_C001 CC_OCA_Allmeter Range_Quality PLRM. CCOOG_Reparate Range_Allmeter Range_Allmeter Range_Allmeter Range_Allmeter Range_Allmeter Range_Allmeter Range_Allmeter Range_Allmeter Range_A	CS_OFFL_SIR_NOPN_2_20210629T112323_20210629T112532_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20210829T12432B_20210829T12433S_C001 CS_OFFL_SIR_NOPN_2_20210829T12432B_20210829T12433S_C001 CS_OFFL_SIR_NOPN_2_20210829T12432B_20210829T12433S_C001 CS_OFFL_SIR_NOPN_2_20210829T152115_20210829T18236_C001 CS_OFFL_SIR_NOPN_2_20210829T182115_20210829T18234_C001 CS_OFFL_SIR_NOPN_2_20210829T182115_20210829T182324_C001 CS_OFFL_SIR_NOPN_2_20210829T182048_20210829T182324_C001 CS_OFFL_SIR_NOPN_2_20210829T182048_20210829T18232_C001 CS_OFFL_SIR_NOPN_2_20210829T182048_20210829T170423_C001 CS_OFFL_SIR_NOPN_2_20210829T170197_20210829T170423_C001 CS_OFFL_SIR_NOPN_2_20210829T170944_20210829T17103_C001 CS_OFFL_SIR_NOPN_2_20210829T170944_20210829T17103_C001 CS_OFFL_SIR_NOPN_2_20210829T170944_20210829T17103_C001 CS_OFFL_SIR_NOPN_2_20210829T170910_20210829T1709305_C001 CS_OFFL_SIR_NOPN_2_20210829T170910_	CS_OFFL_SIR_NOPN_2_20210629T114134_20210629T114617_C001		
OCOG Backscatter Quality CS OFFL SIR NOPN 2 20210629T141938_20210629T142108_C001 CS OFFL SIR NOPN 2 20210629T152115 20210629T152236 C001 CS OFFL SIR NOPN 2 20210629T152112 20210629T152236 C001 CS OFFL SIR NOPN 2 20210629T152112 20210629T152236 C001 CS OFFL SIR NOPN 2 20210629T152112 20210629T152212 C001 CS OFFL SIR NOPN 2 20210629T162046 20210629T162212 C001 CS OFFL SIR NOPN 2 20210629T170107 20210629T170423_C001 CS OFFL SIR NOPN 2 20210629T170107 20210629T170423_C001 CS OFFL SIR NOPN 2 20210629T170944 20210629T170107 C0010629T170423_C001 CS OFFL SIR NOPN 2 20210629T170944 20210629T170107 C0010629T170107 C0010629T17010 C00107	CS_OFFL_SIR_NOPN_2_20210629T123904_20210629T124250_C001		
OCOG Bankscatter Quality CS_OFFL_SIR_NOPN_2_20210629T152115_20210629T152236_C001 CS_OFFL_SIR_NOPN_2_20210629T152115_20210629T152236_C001 CS_OFFL_SIR_NOPN_2_20210629T153112_20210629T152341_C001 CS_OFFL_SIR_NOPN_2_20210629T153112_20210629T153241_C001 CS_OFFL_SIR_NOPN_2_20210629T162046_20210629T162212_C001 CS_OFFL_SIR_NOPN_2_20210629T162046_20210629T162212_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170102_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170102_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170103_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170103_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170103_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170103_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T171003_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T171003_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T171003_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T171003_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T171003_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T171003_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T17009_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T17009_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T17009_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T17009_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T17009_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180305_C001 CS_OFFL_SI	CS_OFFL_SIR_NOPN_2_20210629T124328_20210629T124335_C001		
and Backscatter Quality PLRM, OCOG Allimeter Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210629T153112_20210629T153241_C001 CS_OFFL_SIR_NOPN_2_20210629T162046_20210629T162212_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170423_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170423_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170423_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170423_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170423_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170423_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T181355_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T181355_20210629T191323_C0011 CS_OFFL_SIR_NOPN_2_20210629T191323_C0011 CS_OFFL_SIR_NOPN_2_20210629T181355_20210629T191323_C0011 CS_OFFL_SIR_NOPN_2_20210629T181355_20210629T191323_C0011 CS_OFFL_SIR_NOPN_2_20210629T181355_20210629T191323_C0011 CS_OFFL_SIR_NOPN_2_20210629T181355_20210629T191323_C0011 CS_OFFL_SIR_NOPN_2_20210629T18135_20210629T191323_C0011 CS_OFFL_SIR_NOPN_2_20210629T1813	CS_OFFL_SIR_NOPN_2_20210629T141938_20210629T142106_C001		
CS_OFFL_SIR_NOPN_2_20210629T153112_20210629T153241_C001 CS_OFFL_SIR_NOPN_2_20210629T162046_20210629T162212_C001 CS_OFFL_SIR_NOPN_2_20210629T162046_20210629T170423_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170423_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170423_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170103_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T17103_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T17103_C001 CS_OFFL_SIR_NOPN_2_20210629T172910_20210629T173009_C001 CS_OFFL_SIR_NOPN_2_20210629T172910_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180005_C001 CS_OFFL_SIR_NOPN_2_20210629T180005_	CS_OFFL_SIR_NOPN_2_20210629T152115_20210629T152236_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170423_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170423_C001 CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170423_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T17103_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T17103_C001 CS_OFFL_SIR_NOPN_2_20210629T172910_20210629T173009_C001 CS_OFFL_SIR_NOPN_2_20210629T172910_20210629T173009_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T1803956_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T1803956_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T1803956_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T19135_20210629T191323_C001 CS_OFFL_SIR_NOPN_2_20210629T19135_20210629T191323_C001 CS_OFFL_SIR_NOPN_2_20210629T19135_20210629T191323_C001 CS_OFFL_SIR_NOPN_2_20210629T19135_20210629T191323_C001 CS_OFFL_SIR_NOPN_2_20210629T19135_20210629T191323_C001 CS_OFFL_SIR_NOPN_2_20210629T19135_20210629T191323_C001 CCS_OFFL_SIR_NOPN_2_20210629T19135_20210629T191323_C001	CS_OFFL_SIR_NOPN_2_20210629T153112_20210629T153241_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 Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T17103_C001 CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T17103_C001 CS_OFFL_SIR_NOPN_2_20210629T172910_20210629T173009_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180356_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T180356_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T180356_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T19135_20210629T191323_C001 CCG_OFFL_SIR_NOPN_2_20210629T19135_20210629T191323_C001 CCG_OFFL_	CS_OFFL_SIR_NOPN_2_20210629T162046_20210629T162212_C001	_	
CS_OFFL_SIR_NOPN_2_20210629T172910_20210629T173009_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T183956_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T183956_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T191135_20210629T191323_C001 CS_OFFL_SIR_NOPN_2_20210629T191135_20210629T191323_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20210629T191135_20210629T191323_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The 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.	CS_OFFL_SIR_NOPN_2_20210629T170107_20210629T170423_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T180305_C001 CS_OFFL_SIR_NOPN_2_20210629T183956_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T183956_20210629T184316_C001 CS_OFFL_SIR_NOPN_2_20210629T191135_20210629T191323_C001 CS_OFFL_SIR_NOPN_2_20210629T191135_20210629T191323_C001 OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH 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. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range 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.	CS_OFFL_SIR_NOPN_2_20210629T170944_20210629T171103_C001		, ,
CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_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 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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range an	CS_OFFL_SIR_NOPN_2_20210629T172910_20210629T173009_C001		
CS_OFFL_SIR_NOPN_2_20210629T183956_20210629T184316_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPN_2_20210629T191135_20210629T191323_C001 CS_OFFL_SIR_NOPN_2_20210629T191135_20210629T191323_C001 CS_OFFL_SIR_NOPN_2_20210629T19135_20210629T191323_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and 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 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20210629T180150_20210629T180305_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 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_NOPN_2_20210629T183956_20210629T184316_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 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_NOPN_2_20210629T191135_20210629T191323_C001		
CS_OFFL_SIR_NOPN_2_20210629T201630_20210629T201823_C001 Altimeter Range and Backscatter Quality PLRM Altimeter Range and Backscatter Quality Set for one or more records.	CS_OFFL_SIR_NOPN_2_20210629T201630_20210629T201823_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPN_2_20210629T211659_20210629T211714_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_20210629T215536_20210629T215716_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_20210629T220431_20210629T220641_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_20210629T222202_20210629T222308_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_20210629T224613_20210629T224658_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_20210629T224816_20210629T225031_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_20210629T230608_20210629T230700_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_20210629T233449_20210629T233636_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_20210629T000133_20210629T000922_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_20210629T010528_20210629T010735_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_20210629T020335_20210629T020505_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_20210629T024505_20210629T024700_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_20210629T030522_20210629T030753_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_20210629T035535_20210629T035835_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_20210629T043337_20210629T043407_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_20210629T044730_20210629T044851_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_20210629T045231_20210629T045250_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_20210629T045300_20210629T045420_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_20210629T045514_20210629T045652_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_20210629T053418_20210629T053752_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_20210629T070024_20210629T070356_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_20210629T071331_20210629T071705_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_20210629T083745_20210629T084443_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_20210629T085539_20210629T085649_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_20210629T100216_20210629T100430_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_20210629T111332_20210629T111416_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_20210629T112533_20210629T112638_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_20210629T130343_20210629T130621_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_20210629T133937_20210629T134147_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_20210629T135259_20210629T135506_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_20210629T142930_20210629T143038_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_20210629T145034_20210629T145218_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_20210629T160713_20210629T160810_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_20210629T161105_20210629T161227_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_20210629T165715_20210629T170106_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_20210629T173825_20210629T174222_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_20210629T175113_20210629T180001_C001	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_20210629T183644_20210629T183956_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_20210629T185005_20210629T185248_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_20210629T193216_20210629T194001_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_20210629T202858_20210629T203425_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_20210629T211116_20210629T211659_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_20210629T220641_20210629T221210_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_20210629T222607_20210629T222820_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_20210629T224046_20210629T224135_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_20210629T224319_20210629T224412_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_20210629T225615_20210629T225724_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_20210629T233404_20210629T233449_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors:

182

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

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.

136

Number of products with errors:

7. NOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	138	138	4	134	0
SIR_NOPR1B	100	100	0	100	0
SIR_NOPN1B	98	98	1	97	0
SIR_NOPM_2	138	138	80	58	0
SIR_NOPR_2	100	100	25	75	0
SIR_NOPN_2	98	98	38	60	0

7.1 QCC Errors

Number of QCC reports with errors:

0

7.2 QCC Warnings

Number of QCC reports with warnings

1749

Total number of occurrences of each warning

			Iotai	ildiliber of occurrence	3 of cach warring		
Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPF	DPLRMNCI RBSZOPOEPNCDF
SIR_NOPM1B	134	0	0	0	0	0	0
SIR_NOPM_2	0	45	45	1	49	0	40
SIR_NOPN1B	96	0	0	0	0	0	0
SIR_NOPN_2	0	9	32	3	22	25	17
SIR_NOPR1B	99	0	0	0	0	0	0
SIR NOPR 2	0	36	46	2	40	37	24

Product Type	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	37	0	0	0	0	31	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	25	0	33	0	0
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	0	43	0	53	0	0	44

Product Type	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	0	6	32	0	4	42	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	30	19	45	49	32	25	27
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	0	4	62	35	6	43	49

Product Type	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	
SIR_NOPM1B	0	0	0	0	0	
SIR_NOPM_2	4	0	0	0	0	
SIR_NOPN1B	0	0	0	37	1	
SIR_NOPN_2	13	0	1	0	0	
SIR_NOPR1B	0	1	0	100	4	
SIR NOPR 2	8	0	2	0	0	

Test Description Key:						
Abbreviation	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSIN NCDF	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 = ocean				
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSWHOEPFDPLRMN CDF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)				
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample				

SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports:

 \cap