

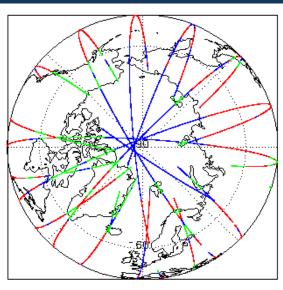
1. Overview

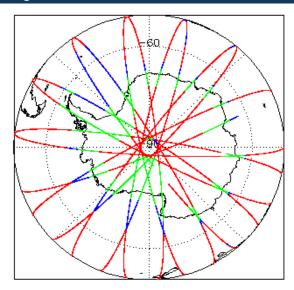
Report Production:	14-Apr-2020	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

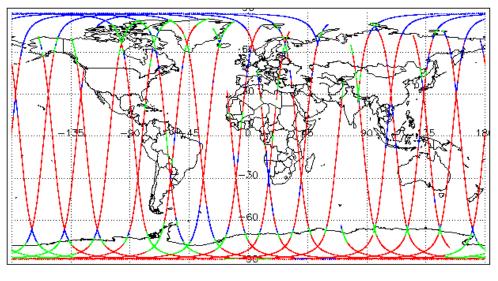
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7

Mission / Instrument News		
11-Apr-2020	None	
12-Apr-2020	None	
13-Apr-2020	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

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

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B IOPR and IOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

Λ

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:

Ω

4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

 Product
 Test Failed
 Description

 CS_OFFL_SIR_NOPM1B_20200412T113803_20200412T113951_C001
 Power scaling error
 There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

15

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200412T054010_20200412T060703_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200412T100045_20200412T102443_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200412T144715_20200412T152153_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200412T011436_20200412T011940_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200412T031749_20200412T031939_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200412T094304_20200412T094513_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200412T135440_20200412T135605_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200412T175005_20200412T175057_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200412T175140_20200412T175354_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200412T033527_20200412T033831_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200412T143621_20200412T144410_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200412T161426_20200412T162717_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200412T180546_20200412T180737_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200412T194510_20200412T194747_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200412T200118_20200412T200322_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:

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.

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.
- > 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_20200412T011436_20200412T011940_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_20200412T012906_20200412T013027_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_20200412T030934_20200412T030951_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_20200412T031749_20200412T031939_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_20200412T035445_20200412T035751_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_20200412T052746_20200412T053050_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_20200412T053345_20200412T053725_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_20200412T070822_20200412T071057_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_20200412T080331_20200412T080450_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_20200412T084345_20200412T084937_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_20200412T094304_20200412T094513_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_20200412T102544_20200412T102720_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_20200412T103612_20200412T103815_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_20200412T112217_20200412T112702_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_20200412T121402_20200412T121629_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_20200412T134458_20200412T134850_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_20200412T143524_20200412T143621_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	
CS_OFFL_SIR_NOPN_2_20200412T152442_20200412T152756_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_20200412T153311_20200412T153423_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_20200412T170207_20200412T170629_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_20200412T171213_20200412T171334_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_20200412T175140_20200412T175354_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_20200412T184947_20200412T185135_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_20200412T193352_20200412T193452_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_20200412T202753_20200412T203017_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_20200412T211147_20200412T211358_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_20200412T215757_20200412T215943_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_20200412T220654_20200412T221120_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_20200412T224829_20200412T225221_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_20200412T045116_20200412T045455_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_20200412T125252_20200412T130248_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_20200412T142528_20200412T142705_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_20200412T143621_20200412T144410_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_20200412T161426_20200412T162717_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_20200412T175550_20200412T180309_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_20200412T193452_20200412T194024_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_20200412T210358_20200412T210456_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_20200412T211358_20200412T212051_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_20200412T225221_20200412T225733_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_20200412T225807_20200412T225936_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height 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_20200412T113803_20200412T113950_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

L2 Quality Flags (20Hz)

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

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

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

Number of products with errors:

85

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200412T000255_20200412T002821_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T002952_20200412T003519_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_20200412T003525_20200412T003850_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_20200412T004154_20200412T011436_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T013837_20200412T015933_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T020140_20200412T020801_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T020951_20200412T021758_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_20200412T022110_20200412T025518_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T033831_20200412T034717_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T034927_20200412T035445_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_20200412T040037_20200412T042258_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T042543_20200412T043503_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T044655_20200412T045116_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T050634_20200412T051148_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T051336_20200412T052612_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T053050_20200412T053345_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_20200412T054010_20200412T060703_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T060842_20200412T061321_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T063001_20200412T063651_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T063705_20200412T070121_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T071057_20200412T071251_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_20200412T071516_20200412T071741_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_20200412T071943_20200412T072422_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_NOPM_2_20200412T072514_20200412T073607_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T073625_20200412T074652_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T075253_20200412T075312_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_20200412T081017_20200412T081241_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T081338_20200412T082555_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T083445_20200412T084345_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T084937_20200412T085208_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_20200412T085233_20200412T085658_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_20200412T085853_20200412T091344_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T091523_20200412T092027_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T095212_20200412T095922_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T100045_20200412T102443_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T102720_20200412T103612_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_20200412T103828_20200412T110213_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T113953_20200412T120340_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T120935_20200412T121402_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_20200412T131111_20200412T131356_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T131450_20200412T134252_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T134850_20200412T135440_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_20200412T135615_20200412T141140_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T141555_20200412T142239_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T144715_20200412T152153_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T152756_20200412T153311_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_20200412T153501_20200412T153755_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T153955_20200412T154326_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T154957_20200412T155140_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

Depth SR 1999 3 200041719097 20004171909 CDD OFFL SR 1999 3 200041719097 20004171909 CDD OFFL SR 1999 3 200041719097 20004171909 CDD OFFL SR 1999 3 20004171909 20004171909 CDD OFFL SR 1999 3 200	CS_OFFL_SIR_NOPM_2_20200412T155156_20200412T155903_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Description	CS_OFFL_SIR_NOPM_2_20200412T161027_20200412T161328_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Description	CS_OFFL_SIR_NOPM_2_20200412T162717_20200412T163600_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DELIGIONE JERUNON J. 20000412714718, 202004127170050, CODI Almeter Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging and Debascoleric Carbity Flags Navio Nov. Proc. National Reging Navio National Reging	CS_OFFL_SIR_NOPM_2_20200412T163845_20200412T170052_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Believes Des Coulty Des C	CS_OFFL_SIR_NOPM_2_20200412T171418_20200412T172721_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
So OFFL SIR NOPM 2 2000412T190757 2000412T19358. COID CR. OFFL SIR NOPM 2 2000412T190757 2000412T19358. COID CR. OFFL SIR NOPM 2 2000412T190757 2000412T19358. COID CR. OFFL SIR NOPM 2 2000412T191576 2000412T19358. COID CR. OFFL SIR NOPM 2 2000412T191576 2000412T19358. COID CR. OFFL SIR NOPM 2 2000412T191576 2000412T19576 COID CR. OFFL SIR NOPM 2 2000412T191576 2000412T19576 COID CR. OFFL SIR NOPM 2 2000412T19576 COID CR. OFFL SIR NOPM 2 2000412T19576 COID CR. OFFL SIR NOPM 2 2000412T19550 2000412T19587 COID CR. OFFL SIR NOPM 2 2000412T19550 2000412T19587 COID CR. OFFL SIR NOPM 2 2000412T19550 2000412T19587 COID CR. OFFL SIR NOPM 2 2000412T10550 2000412T1958 COID CR. OFFL SIR NOPM 2 2000412T10550 2000412T1958 COID CR. OFFL SIR NOPM 2 2000412T10550 2000412T1058 COID CR. OFFL SIR NOPM 2 20	CS_OFFL_SIR_NOPM_2_20200412T172908_20200412T173626_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Dadaccacier Quality Coop Attended Range and Blockscater Quality Flags have been self-or core of more records. CS_OFFL_SIR_NOPM_2_200004127161307_200004127163986_0010 CS_OFFL_SIR_NOPM_2_200004127164107_200004127164696_0010 CS_OFFL_SIR_NOPM_2_200004127164107_200004127164696_0010 CS_OFFL_SIR_NOPM_2_200004127164107_200004127164696_0010 CS_OFFL_SIR_NOPM_2_200004127164107_200004127164696_0010 CS_OFFL_SIR_NOPM_2_200004127169076_200004127161090_0010 CS_OFFL_SIR_NOPM_2_200004127169076_200004127161090_0010 CS_OFFL_SIR_NOPM_2_200004127169076_200004127161090_0010 CS_OFFL_SIR_NOPM_2_200004127169076_200004127161090_0010 CS_OFFL_SIR_NOPM_2_200004127169076_200004127161090_0010 CS_OFFL_SIR_NOPM_2_200004127169076_200004127161090_0010 CS_OFFL_SIR_NOPM_2_200004127169076_200004127161090_0010 CS_OFFL_SIR_NOPM_2_200004127169076_20000412716090_0010 CS_OFFL_SIR_NOPM_2_200004127169076_20000412716090_0010 CS_OFFL_SIR_NOPM_2_200004127169090_00104127164691_0010 CS_OFFL_SIR_NOPM_2_200004127169090_00104127164691_0010 CS_OFFL_SIR_NOPM_2_200004127169090_00104127164691_0010 CS_OFFL_SIR_NOPM_2_200004127169090_00104127164691_0010 CS_OFFL_SIR_NOPM_2_200004127169090_00104127169090_0010 CS_OFFL_SIR_NOPM_2_200004127169090_00104127169090_0010 CS_OFFL_SIR_NOPM_2_200004127169090_00104127169090_0010 CS_OFFL_SIR_NOPM_2_200004127169090_00104127169090_0010 CS_OFFL_SIR_NOPM_2_200004127169090_00104127169090_0010 CS_OFFL_SIR_NOPM_2_200004127169090_00101127169090_00101 CS_OFFL_SIR_NOPM_2_200004127169090_00101127169090_00101 CS_OFFL_SIR_NOPM_2_200004127169090_00101127169090_00101 CS_OFFL_SIR_NOPM_2_200004127169090_00101127169090_00101 CS_OFFL_SIR_NOPM_2_200004127169090_00101127169090_00101 CS_OFFL_SIR_NOPM_2_200004127169090_00101127169090_00101 CS_OFFL_SIR_NOPM_2_200004127169090_00101127169090_00101 CS_OFFL_SIR_NOPM_2_200004127169090_00101127169090_00101 CS_OFFL_SIR_NOPM_2_200004127169090_00101127169090_00101 CS_OFFL_SIR_NOPM_2_200004127169090_00101127169090_00101127169090_00101127169090_00101127169090_00101127169090_00101127	CS_OFFL_SIR_NOPM_2_20200412T173722_20200412T174127_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
set Backscatter Quality COCO Altimeter Range and Backscatter Quality Flegs have been set for one or none seconds. CS_OFFL_SIR_NOPML2_202004127164102_202004127164505_Q010 CS_OFFL_SIR_NOPML2_202004127164102_202004127164505_Q010 CS_OFFL_SIR_NOPML2_202004127164102_202004127164505_Q010 CS_OFFL_SIR_NOPML2_202004127161032_202004127101020_Q010 CS_OFFL_SIR_NOPML2_202004127101032_202004127102000_Q010 CS_OFFL_SIR_NOPML2_202004127101032_202004127102000_Q010 CS_OFFL_SIR_NOPML2_202004127104000_Q010110_Q010 CS_OFFL_SIR_NOPML2_202004127104000_Q010110_Q010 CS_OFFL_SIR_NOPML2_202004127104000_Q010110_	CS_OFFL_SIR_NOPM_2_20200412T180737_20200412T181134_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscater Quality CS_OFFL_SIR_NOPM_2_200004127184701_202004127191028_001 CS_OFFL_SIR_NOPM_2_200004127194701_202004127191028_001 CS_OFFL_SIR_NOPM_2_200004127194703_202004127192803_001 CS_OFFL_SIR_NOPM_2_202004127194903_202004127192803_001 CS_OFFL_SIR_NOPM_2_202004127194903_202004127194815_001 CS_OFFL_SIR_NOPM_2_202004127194903_202004127194815_001 CS_OFFL_SIR_NOPM_2_202004127194903_202004127194815_001 CS_OFFL_SIR_NOPM_2_202004127194903_202004127194815_001 CS_OFFL_SIR_NOPM_2_202004127194903_202004127194815_001 CS_OFFL_SIR_NOPM_2_202004127194903_2020041272001857_001 CS_OFFL_SIR_NOPM_2_202004127200303_2020041272001857_001 CS_OFFL_SIR_NOPM_2_202004127200303_2020041272001857_001 CS_OFFL_SIR_NOPM_2_202004127200303_20200412720056_001 CS_OFFL_SIR_NOPM_2_202004127200303_20200412720056_001 CS_OFFL_SIR_NOPM_2_202004127200303_20200412720056_001 CS_OFFL_SIR_NOPM_2_202004127200303_20200412720056_001 CS_OFFL_SIR_NOPM_2_202004127200303_20200412720056_001 CS_OFFL_SIR_NOPM_2_202004127200303_20200412720056_001 CS_OFFL_SIR_NOPM_2_20200412720056_0020412720056_001 CCS_OFFL_SIR_NOPM_2_20200412720056_0020412720056_001 CCS_OFFL_SIR_NOPM_2_20200412720056_0020412720056_001 CCS_OFFL_SIR_NOPM_2_20200412720056_0020412720056_001 CCS_OFFL_SIR_NOPM_2_20200412720056_000142740056_001 CCS_OFFL_SIR_NOPM_2_20200412720056_000142740056_001 CCS_OFFL_SIR_NOPM_2_20200412720056_000142740056_001 CCS_OFFL_SI	CS_OFFL_SIR_NOPM_2_20200412T181307_20200412T183938_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscarter Caulity CS_OFFL_SIR_NOPM_2_20200412719053_202004127191028_CD01 CS_OFFL_SIR_NOPM_2_20200412719053_202004127194285_CD01 CS_OFFL_SIR_NOPM_2_20200412719053_202004127194285_CD01 CS_OFFL_SIR_NOPM_2_20200412719438_CD0004127194451_CD01 CS_OFFL_SIR_NOPM_2_20200412719438_CD0004127194451_CD01 CS_OFFL_SIR_NOPM_2_202004127194486_CD000412719459_CD00412719459_C	CS_OFFL_SIR_NOPM_2_20200412T184126_20200412T184655_C001		
and Backscatter Quality, OCOG Allimeter Range and Backscatter Quality Flags have been set for flags. Proc 1997. CS_OFFL_SIR_NOPM_2_20200412T191053_20200412T192803_C001 CS_OFFL_SIR_NOPM_2_20200412T19438_20200412T192803_C001 CS_OFFL_SIR_NOPM_2_20200412T19438_20200412T194451_C001 CS_OFFL_SIR_NOPM_2_20200412T19438_20200412T100118_C001 CS_OFFL_SIR_NOPM_2_20200412T100322_20200412T100118_C001 CS_OFFL_SIR_NOPM_2_20200412T100322_20200412T200118_C001 CS_OFFL_SIR_NOPM_2_20200412T200322_20200412T200185_C001 CS_OFFL_SIR_NOPM_2_20200412T200322_20200412T200592_C001 CS_OFFL_SIR_NOPM_2_20200412T200593_20200412T200592_C001 CS_OFFL_SIR_NOPM_2_20200412T200593_20200412T200592_C001 CS_OFFL_SIR_NOPM_2_20200412T200593_20200412T200592_C001 CS_OFFL_SIR_NOPM_2_20200412T200593_20200412T200592_C001 CS_OFFL_SIR_NOPM_2_20200412T200593_20200412T200592_C001 CS_OFFL_SIR_NOPM_2_20200412T200593_20200412T200592_C001 CS_OFFL_SIR_NOPM_2_20200412T200593_20200412T200593_C001 CS_OFFL_SIR_NOPM_2_20200412T2000412T200593_C001 CS_OFFL_SIR_NOPM_2_20200412T2000412T200593_C001 CS_OFFL_SIR_NOPM_2_20200412T2000412T200593_C001 CS_OFFL_SIR_NOPM_2_20200412T2000412T200593_C001 CS_OFFL_SIR_NOPM_2_20200412T2000412	CS_OFFL_SIR_NOPM_2_20200412T184701_20200412T184708_C001		
CS_OFFL_SIR_NOPM_2_20200412T194036_20200412T194451_C001 CS_OFFL_SIR_NOPM_2_20200412T194436_20200412T194451_C001 CS_OFFL_SIR_NOPM_2_20200412T194393_20200412T200118_C001 CS_OFFL_SIR_NOPM_2_20200412T194393_20200412T200118_C001 CS_OFFL_SIR_NOPM_2_20200412T194393_20200412T200118_C001 CS_OFFL_SIR_NOPM_2_20200412T200322_20200412T201857_C001 CS_OFFL_SIR_NOPM_2_20200412T200323_20200412T203525_C001 CS_OFFL_SIR_NOPM_2_20200412T203530_20200412T203532_C001 CS_OFFL_SIR_NOPM_2_20200412T203530_20200412T203552_C001 CS_OFFL_SIR_NOPM_2_20200412T203544_20200412T203552_C001 CS_OFFL_SIR_NOPM_2_20200412T203544_20200412T203552_C001 CS_OFFL_SIR_NOPM_2_20200412T203544_20200412T203552_C001 CS_OFFL_SIR_NOPM_2_20200412T203544_20200412T203552_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T203552_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T203552_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T203552_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T203552_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T203552_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T203552_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T203552_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T203552_C001 CCOMMITTED Response to the committed policy of the co	CS_OFFL_SIR_NOPM_2_20200412T185758_20200412T191028_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20200412T194939_20200412T200118_C001 CS_OFFL_SIR_NOPM_2_20200412T194939_20200412T201857_C001 CS_OFFL_SIR_NOPM_2_20200412T200322_20200412T201857_C001 CS_OFFL_SIR_NOPM_2_20200412T200322_20200412T201857_C001 CS_OFFL_SIR_NOPM_2_20200412T200322_20200412T201857_C001 CS_OFFL_SIR_NOPM_2_20200412T200322_20200412T202552_C001 CS_OFFL_SIR_NOPM_2_20200412T200353_20200412T202552_C001 CS_OFFL_SIR_NOPM_2_20200412T200350_20200412T204259_C001 CS_OFFL_SIR_NOPM_2_20200412T203500_20200412T204259_C001 CS_OFFL_SIR_NOPM_2_20200412T203500_20200412T204259_C001 CS_OFFL_SIR_NOPM_2_20200412T205504_20200412T20458_C001 CS_OFFL_SIR_NOPM_2_20200412T205504_20200412T20458_C001 CS_OFFL_SIR_NOPM_2_20200412T205504_20200412T205508_C001 CS_OFFL_SIR_NOPM_2_20200412T205504_20200412T205508_C001 CS_OFFL_SIR_NOPM_2_20200412T205504_20200412T205508_C001 CS_OFFL_SIR_NOPM_2_20200412T205504_20200412T205508_C001 CS_OFFL_SIR_NOPM_2_20200412T205504_20200412T205508_C001 CS_OFFL_SIR_NOPM_2_20200412T205504_20200412T205508_C001 CS_OFFL_SIR_NOPM_2_20200412T205044_20200412T2050404_C001 CS_OFFL_SIR_NOPM_2_20200412T200542_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T200542_20200412T2050504_C001 CCCCG Altimeter Range CS-SHA, SWH and Backscatter Quality Flags have been set for one or records. CCCCG Altimeter Range and Backscatter Quality Flags have been set for one or records. CCCCG Altimeter Range and Backscatter Quality Flags have been set for one or records. CCCCG Altimeter Range CS-SHA, SWH and Backscatter Quality Flags have been set for one or records. CCCCG Altimeter Range CS-SHA, SWH and Backscatter Quality Flags have been set for one or records. CCCCG Altimeter Range CS-SHA, SWH and Backscatter Quality Flags have been set for one or more records. CCCCG Altimeter Range CS-SHA, SWH and Backscatter Quality Flags have been set for one or more records. CCCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCCCG Altimeter Range and Backscatter Quality Flags have b	CS_OFFL_SIR_NOPM_2_20200412T191053_20200412T192803_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimete	CS_OFFL_SIR_NOPM_2_20200412T194436_20200412T194451_C001		
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Set for one or more records. CS_OFFL_SIR_NOPM_2_20200412T202053_20200412T202552_CO01 CS_OFFL_SIR_NOPM_2_20200412T202053_20200412T202552_CO01 CS_OFFL_SIR_NOPM_2_20200412T203500_20200412T204259_CO01 CS_OFFL_SIR_NOPM_2_20200412T203500_20200412T204259_CO01 CS_OFFL_SIR_NOPM_2_20200412T203500_20200412T204259_CO01 CS_OFFL_SIR_NOPM_2_20200412T205154_20200412T203580_CO01 CS_OFFL_SIR_NOPM_2_20200412T205154_20200412T210358_CO01 CS_OFFL_SIR_NOPM_2_20200412T205154_20200412T210358_CO01 CS_OFFL_SIR_NOPM_2_20200412T205154_20200412T215748_CO01 CS_OFFL_SIR_NOPM_2_20200412T214246_20200412T215748_CO01 CS_OFFL_SIR_NOPM_2_20200412T202014_20200412T20504_CO01 CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T20504_CO01 CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T20504_CO01 CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T220504_CO01 CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T220504_CO01 CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T220504_CO01 CS_OFFL_SIR_NOPM_2_20200412T22000412T220504_CO01 CS_OFFL_SIR_NOPM_2_20200412T22000412T220504_CO01 CS_OFFL_SIR_NOPM_2_20200412T22000412T22000412T220507_CO01 CS_OFFL_SIR_NOPM_2_20200412T22000412T2000	CS_OFFL_SIR_NOPM_2_20200412T194939_20200412T200118_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20200412T20350_20200412T204259_C001 Backscatter Quality CS_OFFL_SIR_NOPM_2_20200412T205154_20200412T20358_C001 CS_OFFL_SIR_NOPM_2_20200412T205154_20200412T21058_C001 CS_OFFL_SIR_NOPM_2_20200412T205154_20200412T21058_C001 CS_OFFL_SIR_NOPM_2_20200412T205154_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20514_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20514_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20014_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T20504_C001 CS_OFFL_SIR_NOPM_2_20200412T2050505_C001 CS_OFFL_SIR_NOPM_2_20200412T2050505_C001 CS_OFFL_SIR_NOPM_2_20200412T2050505_C001 CS_OFFL_SIR_NOPM_2_20200412T2050505_C001 CS_OFFL_SIR_NOPM_2_20200412T000519_20200412T000555_C001 CS_OFFL_SIR_NOPM_2_20200412T000519_20	CS_OFFL_SIR_NOPM_2_20200412T200322_20200412T201857_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COG Altimeter Range and Backscatter Quality Flags have been a	CS_OFFL_SIR_NOPM_2_20200412T202053_20200412T202552_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T220504_C001 CS_OFFL_SIR_NOPM_2_20200412T221120_20200412T223507_C001 CS_OFFL_SIR_NOPM_2_20200412T221120_20200412T223507_C001 CS_OFFL_SIR_NOPM_2_20200412T223528_20200412T224534_C001 CS_OFFL_SIR_NOPM_2_20200412T03528_20200412T224534_C001 CS_OFFL_SIR_NOPM_2_20200412T003519_20200412T003525_C001 CS_OFFL_SIR_NOPM_2_20200412T003519_20200412T003525_C001 CS_OFFL_SIR_NOPM_2_20200412T003519_20200412T00045_C001 CS_OFFL_SIR_NOPM_2_20200412T005922_20200412T100045_C001 CS_OFFL_SIR_NOPM_2_20200412T005922_20200412T100045_C001 CS_OFFL_SIR_NOPM_2_20200412T005922_20200412T100045_C001 CS_OFFL_SIR_NOPM_2_20200412T051556_C001 CS_OFFL_SIR_NOPM_2_20200412T055156_C001 CS_OFFL_SIR_NOPM_2_20200412T055156_C001 CS_OFFL_SIR_NOPM_2_20200412T055156_C001 CS_OFFL_SIR_NOPM_2_20200412T055156_C001 CS_OFFL_SIR_NOPM_2_20200412T055156_C001 CCOG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200412T055156_C001 CCOG_Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200412T055156_C001 CCOG_Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200412T055156_C001 CCOG_Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200412T055156_	CS_OFFL_SIR_NOPM_2_20200412T203500_20200412T204259_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T220504_C001 CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T220504_C001 CS_OFFL_SIR_NOPM_2_20200412T221120_20200412T223507_C001 CS_OFFL_SIR_NOPM_2_20200412T221120_20200412T223507_C001 CS_OFFL_SIR_NOPM_2_20200412T223528_20200412T223507_C001 CS_OFFL_SIR_NOPM_2_20200412T223528_20200412T224534_C001 CS_OFFL_SIR_NOPM_2_20200412T223528_20200412T224534_C001 CS_OFFL_SIR_NOPM_2_20200412T003519_20200412T003525_C001 CS_OFFL_SIR_NOPM_2_20200412T003519_20200412T100045_C001 CS_OFFL_SIR_NOPM_2_20200412T095922_20200412T100045_C001 CS_OFFL_SIR_NOPM_2_20200412T1055166_C001 CCS_OFFL_SIR_NOPM_2_20200412T155166_C001 CCS_OFFL_SIR_NOP	CS_OFFL_SIR_NOPM_2_20200412T205154_20200412T210358_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20200412T22014_20200412T223507_C001 Backscatter Quality CS_OFFL_SIR_NOPM_2_20200412T221120_20200412T223507_C001 CS_OFFL_SIR_NOPM_2_20200412T223528_20200412T224534_C001 CS_OFFL_SIR_NOPM_2_20200412T223528_20200412T224534_C001 CS_OFFL_SIR_NOPM_2_20200412T003519_20200412T003525_C001 CS_OFFL_SIR_NOPM_2_20200412T003519_20200412T003525_C001 CS_OFFL_SIR_NOPM_2_20200412T003519_20200412T00045_C001 CS_OFFL_SIR_NOPM_2_20200412T0095922_20200412T100045_C001 CS_OFFL_SIR_NOPM_2_20200412T10045_C001 CS_OFFL_SIR_NOPM_2_20200412T1	CS_OFFL_SIR_NOPM_2_20200412T214246_20200412T215748_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_NOPM_2_20200412T223528_20200412T224534_C001 CS_OFFL_SIR_NOPM_2_20200412T003519_20200412T003525_C001 CS_OFFL_SIR_NOPN_2_20200412T003519_20200412T003525_C001 CS_OFFL_SIR_NOPN_2_20200412T003519_20200412T100045_C001 CS_OFFL_SIR_NOPN_2_20200412T095922_20200412T100045_C001 CS_OFFL_SIR_NOPN_2_20200412T1005516_C001 CS_OFFL_SIR_NOPN_2_20200412T1005516_C001 CS_OFFL_SIR_NOPN_2_20200412T1005516_C001 CS_OFFL_SIR_NOPN_2_20200412T1005516_C001 CS_OFFL_SIR_NOPN_2_20200412T1005516_C001 CS_OFFL_SIR_NOPN_2_20200412T1005516_C001 CS_OFFL_SIR_NOPN_2_20200412T155160_20200412T155156_C001 CS_OFFL_SIR_NOPN_3_20200412T155160_20200412T155156_C001 CS_OFFL_SIR_NOPN_3_202004	CS_OFFL_SIR_NOPM_2_20200412T220014_20200412T220504_C001		
CS_OFFL_SIR_NOPM_2_20200412T223528_20200412T224534_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200412T003519_20200412T003525_C001 CS_OFFL_SIR_NOPN_2_20200412T003519_20200412T100045_C001 CS_OFFL_SIR_NOPN_2_20200412T095922_20200412T100045_C001 CS_OFFL_SIR_NOPN_2_20200412T095922_20200412T100045_C001 CS_OFFL_SIR_NOPN_2_20200412T100045_C001 CS_OF	CS_OFFL_SIR_NOPM_2_20200412T221120_20200412T223507_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set of one or more records. The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_NOPM_2_20200412T223528_20200412T224534_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200412T095922_20200412T100045_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records. CS_OFFL_SIR_NOPN_2_20200412T195140_20200412T195156_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been set. OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set.	CS_OFFL_SIR_NOPN_2_20200412T003519_20200412T003525_C001		
	CS_OFFL_SIR_NOPN_2_20200412T095922_20200412T100045_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPN_2_20200412T155140_20200412T155156_C001		

CS_OFFL_SIR_NOPN_2_20200412T173626_20200412T173722_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_20200412T020801_20200412T020827_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T035751_20200412T040037_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T062735_20200412T062755_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T072422_20200412T072514_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T103815_20200412T103828_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T161328_20200412T161334_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T201858_20200412T201911_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20200412T210358_20200412T210456_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_20200412T210642_20200412T210811_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter 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 (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.

80

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200412T000146_20200412T000255_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_20200412T003850_20200412T004010_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_20200412T011436_20200412T011940_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_20200412T012906_20200412T013027_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_20200412T020827_20200412T020951_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_20200412T021758_20200412T021909_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_20200412T025518_20200412T025609_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_20200412T025738_20200412T025910_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_20200412T031112_20200412T031235_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_20200412T031749_20200412T031939_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_20200412T032829_20200412T032956_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_20200412T035445_20200412T035751_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_20200412T050336_20200412T050634_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 20200412T052746 20200412T053050 C001	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
	OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH	more records.
CS_OFFL_SIR_NOPN_2_20200412T053345_20200412T053725_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200412T061835_20200412T061852_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_20200412T070822_20200412T071057_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_20200412T071741_20200412T071917_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_20200412T074836_20200412T075038_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_20200412T080850_20200412T081012_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_20200412T084345_20200412T084937_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_20200412T094304_20200412T094513_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_20200412T094614_20200412T094719_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_20200412T095050_20200412T095212_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_20200412T103612_20200412T103815_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_20200412T110248_20200412T110554_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_20200412T111200_20200412T111336_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_20200412T112217_20200412T112702_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_20200412T120520_20200412T120648_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_20200412T120829_20200412T120935_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_20200412T121402_20200412T121629_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_20200412T134458_20200412T134850_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_20200412T135440_20200412T135605_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_20200412T143040_20200412T143203_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_20200412T143524_20200412T143621_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_20200412T152442_20200412T152756_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_20200412T153311_20200412T153423_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_20200412T170207_20200412T170629_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_20200412T173626_20200412T173722_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_20200412T175140_20200412T175354_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_20200412T192815_20200412T192939_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_20200412T193352_20200412T193452_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_20200412T194024_20200412T194113_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_20200412T201911_20200412T202053_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_20200412T210811_20200412T211104_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_20200412T211147_20200412T211358_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_20200412T215757_20200412T215943_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_20200412T220654_20200412T221120_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_20200412T224829_20200412T225221_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_20200412T230713_20200412T230833_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_20200412T230932_20200412T231237_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_20200412T015933_20200412T020140_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_20200412T031034_20200412T031112_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_20200412T043720_20200412T043746_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_20200412T051148_20200412T051336_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_20200412T062735_20200412T062755_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_20200412T070121_20200412T070822_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_20200412T074652_20200412T074836_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_20200412T082556_20200412T082809_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_20200412T083409_20200412T083445_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_20200412T092027_20200412T092232_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_20200412T102443_20200412T102544_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_20200412T125252_20200412T130248_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_20200412T131356_20200412T131450_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_20200412T134252_20200412T134458_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_20200412T143204_20200412T143241_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_20200412T143440_20200412T143524_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_20200412T143621_20200412T144410_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_20200412T154326_20200412T154957_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_20200412T161426_20200412T162717_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_20200412T170052_20200412T170207_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_20200412T175550_20200412T180309_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_20200412T180435_20200412T180542_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_20200412T193452_20200412T194024_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_20200412T194510_20200412T194747_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_20200412T203017_20200412T203324_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_20200412T210642_20200412T210811_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_20200412T211358_20200412T212051_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_20200412T213431_20200412T214246_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_20200412T224534_20200412T224652_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors:

174

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.

130

Number of products with errors: 59

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors: