

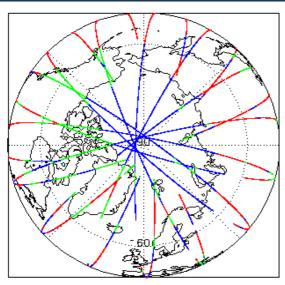
1. Overview

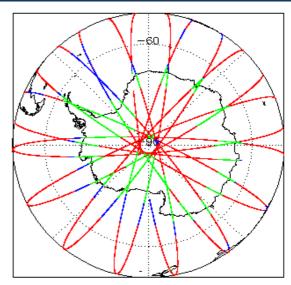
Report Production:	07-Mar-2022
Processor Used:	CryoSat Ocean Processor
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

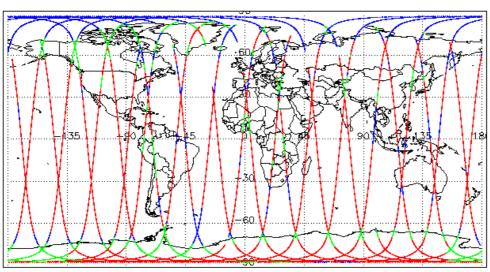
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7
QCC Error/ Warning Check	See Section 7.1 and 7.2

Mission / Instru	iment News
04-Mar-2022	None
05-Mar-2022	None
06-Mar-2022	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

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

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

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4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. The attitude correction is not actually missing, 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_20220305T132339_20220305T135020_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 occasional products over land, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20220305T032210_20220305T035509_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20220305T100420_20220305T101350_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20220305T101552_20220305T102311_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220305T022608_20220305T022902_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220305T043542_20220305T043745_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220305T044734_20220305T044828_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220305T104003_20220305T104615_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220305T112207_20220305T112606_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220305T013034_20220305T013456_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220305T030440_20220305T031709_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220305T061529_20220305T061640_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220305T101350_20220305T101552_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220305T111834_20220305T112106_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220305T112606_20220305T112748_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

Number of products with errors:

Se GPTR, SER NORME 2 2020000T131277 202000T131016 COST COLUMNIA, DEPURE ADMINISTRAÇÃO, ADMINISTRAÇÃO COST COLUMNIA, DEPURE ADMINISTRAÇÃO COST CO	Product	Test Failed	Description
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Man Sig Direct Sign (NOPN 2 STECONOTTION DE ST	CS_OFFL_SIR_NOPN_2_20220305T004803_20220305T005012_C001	Mean Dynamic Topography (1)	
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The control of the co	CS_OFFL_SIR_NOPN_2_20220305T053652_20220305T054010_C001		
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CS_OFFL_SIR_NOPN_2_20220305T203092_20220305T203236_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1), and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20220305T234730_20220305T234915_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solut	CS_OFFL_SIR_NOPN_2_20220305T171623_20220305T171932_C001		
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Topography (1) Topography height (solution 1) for one or more records Mean Dynamic Topography (1) Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height (solution 1) and the 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 There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography heigh	CS_OFFL_SIR_NOPN_2_20220305T212511_20220305T212613_C001	Topography (1), Total Geocentric Ocean	Topography height (solution 1) and the Total Geocentric Ocean Tide
CS_OFFL_SIR_NOPN_2_20220305T230437_20220305T230650_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topogr	CS_OFFL_SIR_NOPN_2_20220305T220528_20220305T221126_C001		
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CS_OFFL_SIR_NOPN_2_20220305T235749_20220305T235944_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220305T030440_20220305T031709_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solut	CS_OFFL_SIR_NOPN_2_20220305T230437_20220305T230650_C001		
CS_OFFL_SIR_NOPR_2_20220305T012627_20220305T012848_C001 Mean Dynamic Topography (1) Mean Dynamic Topography (2) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (soluti	CS_OFFL_SIR_NOPN_2_20220305T234730_20220305T234915_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_NOPR_2_20220305T013034_20220305T013456_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220305T030440_20220305T031709_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_NOPN_2_20220305T235749_20220305T235944_C001	Mean Dynamic Topography (1)	
Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220305T030440_20220305T031709_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_NOPR_2_20220305T012627_20220305T012848_C001	Mean Dynamic Topography (1)	
Topography (1) Topography height (solution 1) for one or more records Topography (202203051030440_202203051031709_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_NOPR_2_20220305T013034_20220305T013456_C001		
	CS_OFFL_SIR_NOPR_2_20220305T030440_20220305T031709_C001		
	CS_OFFL_SIR_NOPR_2_20220305T044828_20220305T045616_C001		

CS_OFFL_SIR_NOPR_2_20220305T061811_20220305T061821_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_20220305T062842_20220305T063855_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_20220305T080805_20220305T081524_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_20220305T094719_20220305T095239_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_20220305T112606_20220305T112748_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_20220305T112748_20220305T113217_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_20220305T113226_20220305T113259_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_20220305T130429_20220305T131257_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_20220305T144122_20220305T144907_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_20220305T163209_20220305T163229_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_20220305T163843_20220305T163917_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_20220305T132339_20220305T135020_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 (20 Hz)

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20220305T000429_20220305T003716_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_20220305T003941_20220305T004156_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_20220305T004201_20220305T004803_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_20220305T005015_20220305T011631_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_20220305T014733_20220305T021603_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_20220305T022153_20220305T022608_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_20220305T022902_20220305T025912_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_20220305T032210_20220305T035509_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_20220305T040105_20220305T040645_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_20220305T040805_20220305T041427_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_20220305T050017_20220305T053450_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_20220305T054010_20220305T054521_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_20220305T054704_20220305T060657_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_20220305T063856_20220305T071246_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_20220305T072626_20220305T075515_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_20220305T082123_20220305T082948_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_20220305T083429_20220305T083615_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_20220305T083641_20220305T084526_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_20220305T084724_20220305T085215_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_20220305T085350_20220305T085910_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_20220305T091022_20220305T092244_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_20220305T092442_20220305T093314_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_20220305T093912_20220305T094125_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_20220305T100420_20220305T101350_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_20220305T101552_20220305T102311_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_20220305T102422_20220305T103119_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_20220305T103317_20220305T103811_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_20220305T103814_20220305T103822_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_20220305T103846_20220305T104002_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_20220305T105739_20220305T105810_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_20220305T110604_20220305T111227_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_20220305T113730_20220305T113743_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_20220305T114554_20220305T114654_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_20220305T115403_20220305T121036_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_20220305T121301_20220305T121739_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_20220305T122330_20220305T124715_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_20220305T132339_20220305T135020_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

Businester Custors			
Col. OFFL. SRI NOPML 2 00000001140042 0000001140050 CORD	CS_OFFL_SIR_NOPM_2_20220305T135149_20220305T135640_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Co. OFFL. SRI NOPM 2 0202000114004_00000115014 Cost	CS_OFFL_SIR_NOPM_2_20220305T135700_20220305T140025_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_2022000T14998_2022000T19386_C000 CS_OFFL_SIR_NOPM_2_2022000T19381_2022000T19386_C000 CS_OFFL_SIR_NOPM_2_2022000T19381_2022000T19386_C000 CS_OFFL_SIR_NOPM_2_2022000T19381_2022000T19386_C000 CS_OFFL_SIR_NOPM_2_2022000T19381_2022000T19386_C000 CS_OFFL_SIR_NOPM_2_2022000T19382_2022000T19386_C000 CS_OFFL_SIR_NOPM_2_2022000T19382_2022000T19386_C000 CS_OFFL_SIR_NOPM_2_2022000T19388_2022000T19386_C000 CS_OFFL_SIR_NOPM_2_2022000T19388_2022000T19386_C000 CS_OFFL_SIR_NOPM_2_2022000T19388_2022000T19386_C000 CS_OFFL_SIR_NOPM_2_2022000T19388_2022000T19386_C000 CS_OFFL_SIR_NOPM_2_2022000T19388_C000 CS_OFFL_SIR_NOPM_2_2022000T179388_C0000 CS_OFFL_SIR_NOPM_2_2022000T179388_C0000T199388_C0000	CS_OFFL_SIR_NOPM_2_20220305T140244_20220305T143023_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Seducation Custors Seducation Seducation Seducation Custors Se	CS_OFFL_SIR_NOPM_2_20220305T143224_20220305T143515_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS. OFFL SIR NOPM 2 2022005T193110 2022005T193595 C001 CS. OFFL SIR NOPM 2 2022005T193110 2022005T193595 C001 CS. OFFL SIR NOPM 2 2022005T19400 2022005T19400 C001 CS. OFFL SIR NOPM 2 2022005T19400 2022005T19509 C001 CS. OFFL SIR NOPM 2 2022005T19500 2022005T19509 C001 CS. OFFL SIR NOPM 2 2022005T19500 2022005T19500 C001 CS. OFFL SIR NOPM 2 2022005T17010 C001 CS. OFFL SIR NOPM 2 2022005T17010 2022005T19010 C001 CS. OFFL SIR NOPM 2 2022005T19010 2022005T19010 C001 CS.	CS_OFFL_SIR_NOPM_2_20220305T145904_20220305T150141_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Backcataller Quality CS_OFFL_SIR_NOPM_2_20220005T163083_20220305T163289_0001 Affender Range and Backcataller Quality in the Cosean Affiniteder Range, SSHA, SWH and Backcataller Quality Flags have the Range and Backcataller Quality Flags have the CS_OFFL_SIR_NOPM_2_20220005T163089_202005T163089_0001 CS_OFFL_SIR_NOPM_2_20220005T163089_202005T163089_0001 CS_OFFL_SIR_NOPM_2_20220005T163089_202005T170410_0001 CS_OFFL_SIR_NOPM_2_20220005T17049_2020005T170410_0001 CS_OFFL_SIR_NOPM_2_20220005T17049_2020005T170410_0001 CS_OFFL_SIR_NOPM_2_20220005T17049_2020005T170410_0001 CS_OFFL_SIR_NOPM_2_20220005T17049_2020005T170410_0001 CS_OFFL_SIR_NOPM_2_20220005T170410_2020005T170410_0001 CS_OFFL_SIR_NOPM_2_20220005T170410_2020005T170410_0001 CS_OFFL_SIR_NOPM_2_20220005T170410_2020005T170400_0001 CS_OFFL_SIR_NOPM_2_20220005T170410_2020005T170400_0001 CS_OFFL_SIR_NOPM_2_20220005T170410_2020005T170400_0001 CS_OFFL_SIR_NOPM_2_20220005T170410_2020005T170400_0001 CS_OFFL_SIR_NOPM_2_20220005T170410_2020005T170400_0001 CS_OFFL_SIR_NOPM_2_20220005T170410_2020005T170400_0001 CS_OFFL_SIR_NOPM_2_20220005T170410_2020005T170400_0001 CS_OFFL_SIR_NOPM_2_20220005T170410_2020005T170400_0001 CS_OFFL_SIR_NOPM_2_20220005T170410_2020005T170400_0001 CS_OFFL_SIR_NOPM_2_20220005T100507_2020005T170400_0001 CS_OFFL_SIR_NOPM_2_20220005T100507_2020005T170400_0001 CS_OFFL_SIR_NOPM_2_20220005T100507_2020005T100507_0001 CS_OFFL_SIR_NOPM_2_20220005T100507_20220005T100507_0001 CS	CS_OFFL_SIR_NOPM_2_20220305T150841_20220305T152946_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality, COCS Altimeter Range and Backscatter Quality Flags have tables and beautiful process. The control of	CS_OFFL_SIR_NOPM_2_20220305T153116_20220305T153555_C001	0 ,,	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of the Cocg Altimeter Range and Backscatter Quality Flags have temperature of	CS_OFFL_SIR_NOPM_2_20220305T154203_20220305T161718_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Dean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have the Coop Altimeter Range and Backscatter Quality Flags have	CS_OFFL_SIR_NOPM_2_20220305T163030_20220305T163209_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220305T170134_20220305T19016_C001 Almeter Range and Backscatter Quality and backscatter Quality Flags have to Almeter Range and Backscatter Quality and backscatter Quality. CCG Allmeter Range and Backscatter Quality. CCG Backscatter Quality. CCG Allmeter Range and Backscatter Quality. CCG Backscatter Quality. CCG Backscatter Quality. CCG Allmeter Range and Backscatter Quality. CCG Allmeter Range. SSHA, SWH and Backscatter Quality. CCG Allmeter Range and Backscatter Quality. CCG A	CS_OFFL_SIR_NOPM_2_20220305T165025_20220305T165505_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality Altereder Range and Backscatter Quality Flags have te Altereder Range and Backscatter Quality Flags have te CS_OFFL_SIR_NOPM_2_20220305T17101_20220305T17623_C001 CS_OFFL_SIR_NOPM_2_20220305T172155_20220305T174430_C001 CS_OFFL_SIR_NOPM_2_20220305T172155_20220305T174430_C001 CS_OFFL_SIR_NOPM_2_20220305T172155_20220305T174430_C001 CS_OFFL_SIR_NOPM_2_20220305T174716_20220305T175622_C001 CS_OFFL_SIR_NOPM_2_20220305T174716_20220305T175622_C001 CS_OFFL_SIR_NOPM_2_20220305T174716_20220305T175622_C001 CS_OFFL_SIR_NOPM_2_20220305T180859_20220305T181237_C001 CS_OFFL_SIR_NOPM_2_20220305T180859_20220305T181237_C001 CS_OFFL_SIR_NOPM_2_20220305T180859_20220305T181237_C001 CS_OFFL_SIR_NOPM_2_20220305T182837_20220305T183326_C001 CS_OFFL_SIR_NOPM_2_20220305T182837_20220305T183336_C001 CS_OFFL_SIR_NOPM_2_20220305T185514_20220305T185529_C001 CS_OFFL_SIR_NOPM_2_20220305T185514_20220305T185529_C001 CS_OFFL_SIR_NOPM_2_20220305T185514_20220305T185529_C001 CS_OFFL_SIR_NOPM_2_20220305T185514_20220305T185529_C001 CS_OFFL_SIR_NOPM_2_20220305T18557_20220305T185529_C001 CS_OFFL_SIR_NOPM_2_20220305T195744_20220305T1953349_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_2020305T1953349_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_2020305T1953349_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953349_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953349_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953349_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953349_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953349_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953349_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953349_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953340_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953340_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953340_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953340_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953340_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T1953340_C001 CS_OFFL_SIR_NOPM_2_202	CS_OFFL_SIR_NOPM_2_20220305T170134_20220305T170410_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220305T172155_20220305T174430_C001 CS_OFFL_SIR_NOPM_2_20220305T174716_20220305T175622_C001 CS_OFFL_SIR_NOPM_2_20220305T174716_20220305T175622_C001 CS_OFFL_SIR_NOPM_2_20220305T180859_20220305T185237_C001 CS_OFFL_SIR_NOPM_2_20220305T180859_20220305T183326_C001 CS_OFFL_SIR_NOPM_2_20220305T1853514_20220305T185237_C001 CS_OFFL_SIR_NOPM_2_20220305T185057_20220305T185523_C001 CS_OFFL_SIR_NOPM_2_20220305T185057_20220305T195340_C001 CS_OFFL_SIR_NOPM_2_20220305T195386_C001 CS_OFFL_SIR_NOPM_2_20220305T195386_C001 CS_OFFL_SIR_NOPM_2_20220305T195386_20220305T195386_C001 CS_OFFL_SIR_NOPM_2_20220305T195386_C001 CS_OFFL_SIR_NOPM_2_20220305T195386_C001 CS_OFFL_SIR_NOPM_2_20220305T195386_C001 CS_OFFL_SIR_NOPM_2_20220305T195386_C001 CS_OFFL_SIR_NOPM_2_20220305T195386_C001 CS_OFFL_SIR_NOPM_2_20220305T195386_C001 CS_OFFL_SIR_NOPM_2_20220305T195386_C001 CS_OFFL_SIR_NOPM_2_20220305T195386_C001 CS_OFFL_SIR_NOPM_2_20220305T195386_C001	CS_OFFL_SIR_NOPM_2_20220305T170609_20220305T170916_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality, OOG Altimeter Range and Backscatter Quality Flags have taged for one or more records CS_OFFL_SIR_NOPM_2_20220305T174716_20220305T175622_C001 CS_OFFL_SIR_NOPM_2_20220305T180859_20220305T181237_C001 CS_OFFL_SIR_NOPM_2_20220305T180859_20220305T181237_C001 CS_OFFL_SIR_NOPM_2_20220305T180859_20220305T181237_C001 CS_OFFL_SIR_NOPM_2_20220305T180859_20220305T181237_C001 CS_OFFL_SIR_NOPM_2_20220305T182837_20220305T183326_C001 CS_OFFL_SIR_NOPM_2_20220305T182837_20220305T183326_C001 CS_OFFL_SIR_NOPM_2_20220305T182837_20220305T184826_C001 CS_OFFL_SIR_NOPM_2_20220305T185057_20220305T185523_C001 CS_OFFL_SIR_NOPM_2_20220305T185057_20220305T19313_C001 CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T19313_C001 CS_OFFL_SIR_NOPM_2_20220305T19358_20220305T19333_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T19333_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T19333_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T19333_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T19333_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T19333_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T19333_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T19333_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T19333_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T19333_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_2	CS_OFFL_SIR_NOPM_2_20220305T171101_20220305T171623_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have to set for one or more records CS_OFFL_SIR_NOPM_2_20220305T180859_20220305T181237_C001 CS_OFFL_SIR_NOPM_2_20220305T182837_20220305T183326_C001 CS_OFFL_SIR_NOPM_2_20220305T182837_20220305T183326_C001 CS_OFFL_SIR_NOPM_2_20220305T182837_20220305T183326_C001 CS_OFFL_SIR_NOPM_2_20220305T185514_20220305T184826_C001 CS_OFFL_SIR_NOPM_2_20220305T185057_20220305T185523_C001 CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T190734_C001 CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T191313_C001 CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T193540_20220305T193343_C	CS_OFFL_SIR_NOPM_2_20220305T172155_20220305T174430_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have to Altimeter Range and Backscatter Quality Flags have to CS_OFFL_SIR_NOPM_2_20220305T183814_20220305T184826_C001 CS_OFFL_SIR_NOPM_2_20220305T185514_20220305T184826_C001 CS_OFFL_SIR_NOPM_2_20220305T185057_20220305T185523_C001 CS_OFFL_SIR_NOPM_2_20220305T185057_20220305T185523_C001 CS_OFFL_SIR_NOPM_2_20220305T185057_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T195386_C001 CS_OFFL_SIR	CS_OFFL_SIR_NOPM_2_20220305T174716_20220305T175622_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220305T182514_20220305T184826_C001 CS_OFFL_SIR_NOPM_2_20220305T185514_20220305T184826_C001 CS_OFFL_SIR_NOPM_2_20220305T18557_20220305T185523_C001 CS_OFFL_SIR_NOPM_2_20220305T185057_20220305T185523_C001 CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T190734_C001 CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T190734_C001 CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T190734_C001 CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T191313_C001 CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001 Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have the properties of the Coop of	CS_OFFL_SIR_NOPM_2_20220305T180859_20220305T181237_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220305T183514_20220305T184826_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have to set for one or more records CS_OFFL_SIR_NOPM_2_20220305T185057_20220305T185523_C001 CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T190734_C001 CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T190734_C001 CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T190734_C001 CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T191313_C001 CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T191313_C001 CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T19358_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T19358_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T19358_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T195836_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T195836_C001 CS_OFFL_SIR_NOPM_2	CS_OFFL_SIR_NOPM_2_20220305T182837_20220305T183326_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Backscatter Quality CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T190734_C001 CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T190734_C001 CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T191313_C001 CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T191313_C001 CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T191313_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001 CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T195836_C001 CS_OFFL_SIR_NOPM_2_20220305T19	CS_OFFL_SIR_NOPM_2_20220305T183514_20220305T184826_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T190734_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have to set for one or more records Cs_OFFL_SIR_NOPM_2_20220305T190744_20220305T191313_C001 Cs_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001 Cs_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001 Cs_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001 Cs_OFFL_SIR_NOPM_2_20220305T195340_20220305T195336_C001 Cs_OFFL_SIR_NOPM_2_20220305T195340_20220305T195836_C001 Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Coean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Coean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Qu	CS_OFFL_SIR_NOPM_2_20220305T185057_20220305T185523_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T191313_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have to set for one or more records The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records	CS_OFFL_SIR_NOPM_2_20220305T190107_20220305T190734_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to set for one or more records	CS_OFFL_SIR_NOPM_2_20220305T190744_20220305T191313_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T195836_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have to the content of the conte	CS_OFFL_SIR_NOPM_2_20220305T191358_20220305T193343_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	CS_OFFL_SIR_NOPM_2_20220305T195340_20220305T195836_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220305T200007_20220305T202303_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have to Altimeter Range and Backscatter Range and Backscatter Range and Backscatter Range and Backscatter Range and Bac	CS_OFFL_SIR_NOPM_2_20220305T200007_20220305T202303_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220305T203236_20220305T203429_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records	CS_OFFL_SIR_NOPM_2_20220305T203236_20220305T203429_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220305T203742_20220305T203855_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records	CS_OFFL_SIR_NOPM_2_20220305T203742_20220305T203855_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_NOPM_2_20220305T204104_20220305T204749_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_20220305T204818_20220305T205739_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_20220305T205741_20220305T205851_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_20220305T210332_20220305T211042_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_20220305T212632_20220305T212952_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_20220305T213207_20220305T213533_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_20220305T213543_20220305T213753_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_20220305T213920_20220305T214736_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_20220305T214950_20220305T220454_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_20220305T221126_20220305T221344_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_20220305T221420_20220305T221840_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_20220305T222018_20220305T222725_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_20220305T222844_20220305T223520_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_20220305T223700_20220305T224834_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_20220305T231503_20220305T231725_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_20220305T231836_20220305T232105_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_20220305T232227_20220305T232550_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_20220305T233047_20220305T234643_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_20220305T234916_20220305T235748_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_20220305T000306_20220305T000429_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_20220305T003749_20220305T003941_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_20220305T013456_20220305T013929_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_20220305T090144_20220305T090319_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_20220305T095239_20220305T095303_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_20220305T100016_20220305T100419_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_20220305T130040_20220305T130429_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_20220305T144907_20220305T144909_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_20220305T194642_20220305T194651_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20220305T054647_20220305T054704_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20220305T081719_20220305T081722_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_20220305T144122_20220305T144907_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_20220305T152946_20220305T152952_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_20220305T204056_20220305T204104_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20220305T230650_20220305T230822_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 (20 Hz PLRM)

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20220305T000306_20220305T000429_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_20220305T003749_20220305T003941_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_20220305T012848_20220305T012905_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_20220305T013005_20220305T013034_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_20220305T013456_20220305T013929_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_20220305T014520_20220305T014733_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_20220305T022608_20220305T022902_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_20220305T031710_20220305T032210_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_20220305T042340_20220305T042714_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_20220305T044454_20220305T044546_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_20220305T044734_20220305T044828_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_20220305T045616_20220305T045745_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_20220305T045824_20220305T050016_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_20220305T054521_20220305T054647_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_20220305T060657_20220305T061014_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
CS_OFFL_SIR_NOPN_2_20220305T061750_20220305T061811_C001	OCOG Backscatter Quality	more records
CS_OFFL_SIR_NOPN_2_20220305T062744_20220305T062841_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_20220305T071408_20220305T071758_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_20220305T072429_20220305T072536_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_20220305T090144_20220305T090319_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_20220305T104003_20220305T104615_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_20220305T105810_20220305T110413_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_20220305T111712_20220305T111834_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_20220305T112207_20220305T112606_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_20220305T121929_20220305T122245_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_20220305T130040_20220305T130429_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_20220305T143515_20220305T144122_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_20220305T153931_20220305T154048_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_20220305T163812_20220305T163843_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_20220305T163917_20220305T164126_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_20220305T171623_20220305T171932_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_20220305T182515_20220305T182837_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_20220305T203002_20220305T203236_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_20220305T203430_20220305T203742_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_20220305T203855_20220305T204055_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_20220305T212511_20220305T212613_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_20220305T212952_20220305T213204_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_20220305T220528_20220305T221126_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_20220305T225935_20220305T230028_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_20220305T230822_20220305T231043_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_20220305T231235_20220305T231355_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_NOPN_2_20220305T235749_20220305T235944_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20220305T000047_20220305T000305_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_20220305T012627_20220305T012848_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_20220305T030440_20220305T031709_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_20220305T044828_20220305T045616_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_20220305T061529_20220305T061640_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_20220305T061811_20220305T061821_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_20220305T062842_20220305T063855_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_20220305T080805_20220305T081524_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_20220305T081732_20220305T081754_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_20220305T092244_20220305T092442_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_20220305T093314_20220305T093441_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_20220305T094719_20220305T095239_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_20220305T101350_20220305T101552_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_20220305T104858_20220305T105211_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_20220305T111834_20220305T112106_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_20220305T112748_20220305T113217_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_20220305T113837_20220305T113848_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_20220305T114654_20220305T114756_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_20220305T114802_20220305T114843_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_20220305T114911_20220305T115208_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_20220305T130429_20220305T131257_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_20220305T144122_20220305T144907_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_20220305T145057_20220305T145319_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_20220305T163233_20220305T163328_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_20220305T193450_20220305T193652_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_20220305T194652_20220305T195053_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_20220305T195836_20220305T200007_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_20220305T211248_20220305T211250_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_20220305T225252_20220305T225331_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_20220305T225748_20220305T225824_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_20220305T230650_20220305T230822_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_20220305T231410_20220305T231503_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_20220305T234644_20220305T234729_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors:

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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

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

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

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	197	197	6	191	0
SIR_NOPR1B	144	144	0	144	0
SIR_NOPN1B	107	107	2	104	1
SIR_NOPM_2	197	197	128	69	0
SIR_NOPR_2	144	144	79	64	1
SIR NOPN 2	106	106	48	58	0

7.1 QCC Errors

Number of QCC reports with errors:

Total number of occurrences of each error

Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	ISSOPOBHRNO	-	-	-	-	-	-
SIR_NOPN1B	0	0	0	0	1						
SIR_NOPR_2	1	1	1	1	0						

Test Description Key:								
Abbreviation	Test name	Details						
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7 - NetCDF						
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7						
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7 - NetCDF						
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7						
RRTAISSOPOBHRNCD	RangeRecordTAlStartStopOPOrBlankHRNetC	The time value should be between the the record TAI start/stop times of the MPH with a margin of 0.5 - NetCDF						

7.2 QCC Warnings

Number of QCC reports with warnings

1705

Product Type	BCSHNCDF	IOHHMOOR		MVIOEPNCDF		RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR NOPM1B	191	0	0	0	0	0	0
SIR NOPM 2	0	0	46	47	0	53	0
SIR NOPN1B	103	0	0	0	0	0	0
SIR_NOPN_2	0	0	11	34	2	26	24
SIR_NOPR1B	142	0	0	0	0	0	0
SIR_NOPR_2	0	1	19	28	0	22	21

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCDI	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	40	43	0	0	0	0	35
SIR NOPN1B	0	0	0	0	0	0	0

SIR_NOPN_2	19	0	0	21	0	34	0
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	13	0	26	0	37	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	0	0	2	25	0	5	38
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	24	9	39	46	32	28
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	23	0	3	50	25	11	23

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_NOPM1E	3 0	0	0	1	0	0	0
SIR_NOPM_2	2 0	1	0	1	0	0	0
SIR_NOPN1E	3 0	0	0	0	0	49	0
SIR_NOPN_2	2 28	13	0	0	1	0	0
SIR_NOPR1E	3 0	0	2	0	0	144	9
SIR NOPR 2	2 28	4	0	1	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
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch
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