

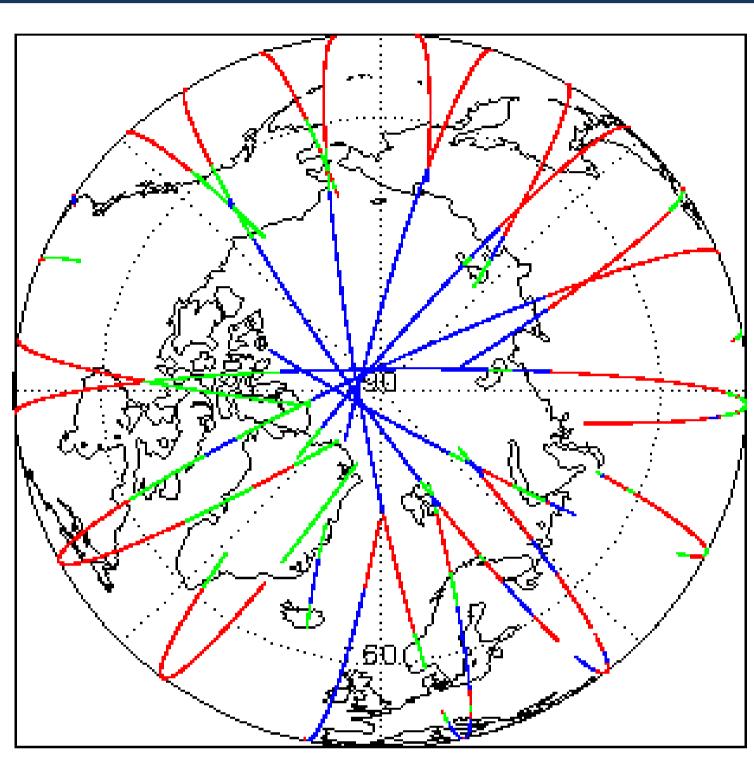
1. Overview

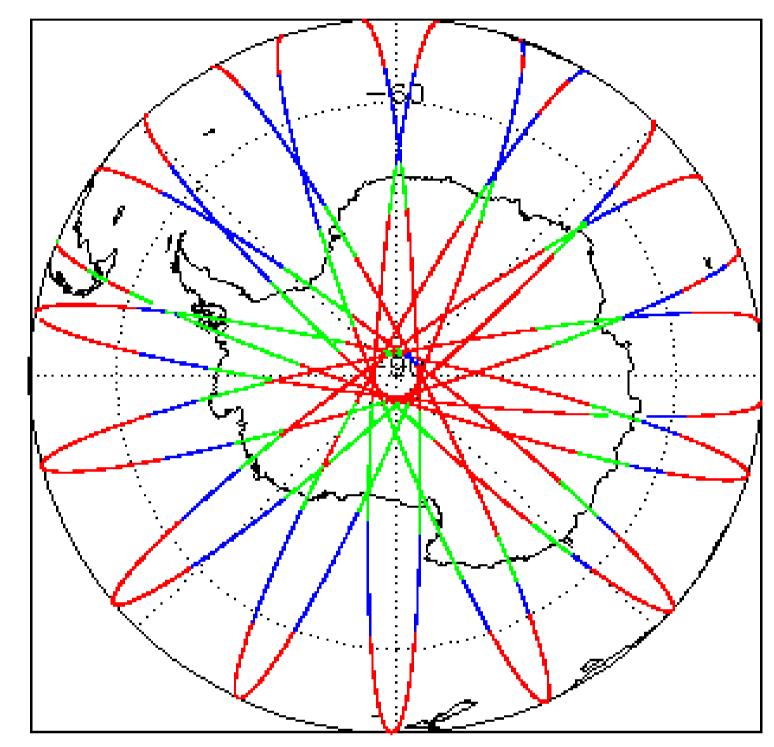
Report Production:	02-Nov-2020
Processor Used:	CryoSat Ocean Processor
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

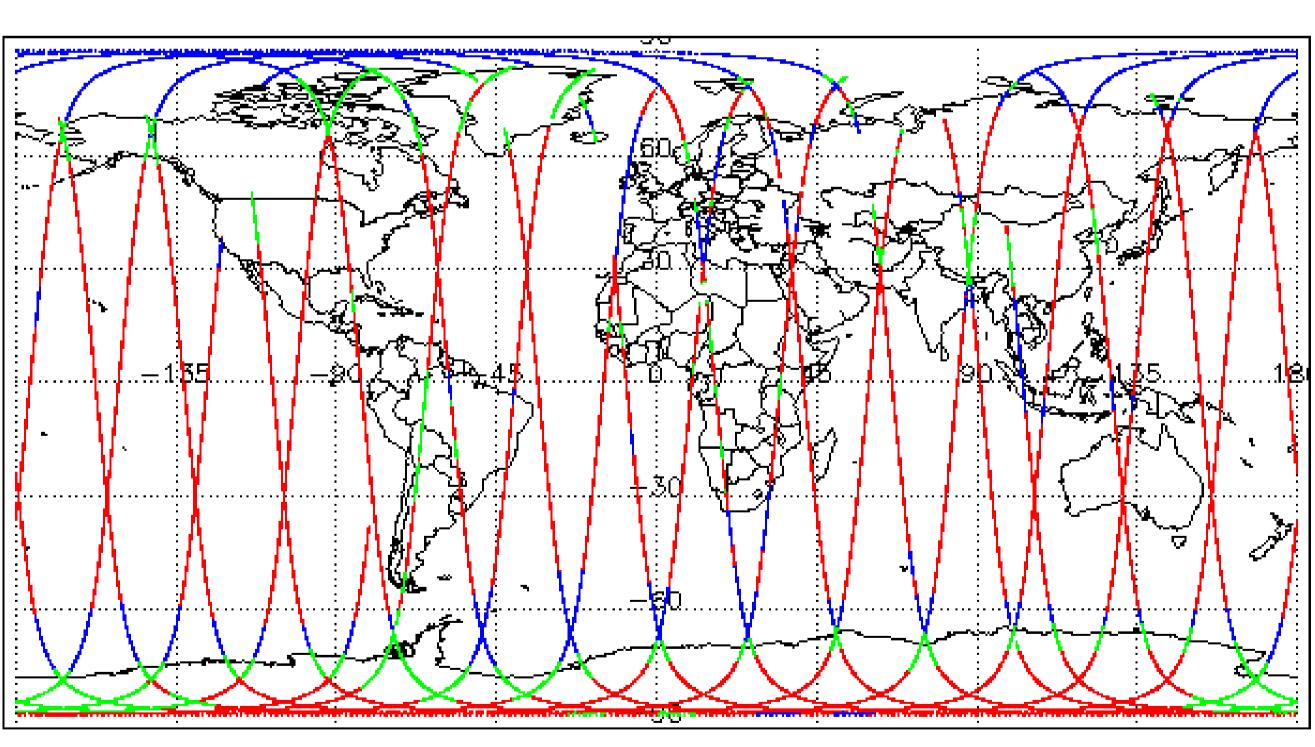
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement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

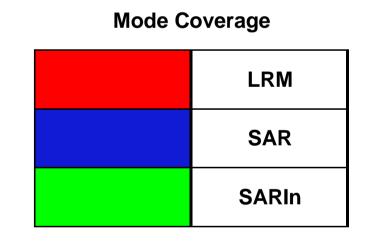
Mission / Insti	rument News
30-Oct-2020	None
31-Oct-2020	None
01-Nov-2020	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

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

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

0

0

11

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20201031T034148_20201031T035918_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201031T010547_20201031T011037_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201031T023755_20201031T023857_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201031T073614_20201031T073711_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201031T200553_20201031T201118_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201031T223548_20201031T223700_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201031T223826_20201031T224045_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20201031T231254_20201031T231414_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201031T065717_20201031T070129_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201031T114021_20201031T114159_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20201031T201118_20201031T201331_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

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

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

Number of products with errors: 0

5.4 L2 Auxiliary Correction Error Check

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20201031T122036_20201031T123214_C001	LLOTAL GEOCENTRIC (DOEAN LINE (G.C.) L.)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records

CS_OFFL_SIR_NOPN_2_20201031T000924_20201031T001110_C001	Tiviean Dynamic Tobodraphy (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201031T010547_20201031T011037_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T024032_20201031T024055_C001	liviean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201031T033005_20201031T033227_C001		There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20201031T033822_20201031T033950_C001	Tiviean Dynamic Tobography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201031T050822_20201031T051135_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T064704_20201031T065023_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T065552_20201031T065717_C001	Tiviean Dynamic Tobography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201031T073614_20201031T073711_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T083353_20201031T083534_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T091734_20201031T091831_C001	Troial Geocening Ocean Tine (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T100249_20201031T100431_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T101141_20201031T101355_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201031T105532_20201031T105746_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T114159_20201031T114348_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T115524_C001	liviean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123610_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T133145_20201031T133338_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T182014_20201031T182139_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T182649_20201031T182957_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20201031T200053_20201031T200344_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T200553_20201031T201118_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T205649_20201031T210020_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T214029_20201031T214304_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T223548_20201031T223700_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20201031T231739_20201031T232121_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_20201031T024055_20201031T024613_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_20201031T040858_20201031T041103_C001	liviean Dynamic Tobography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20201031T042001_20201031T042758_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_20201031T055835_20201031T060729_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_20201031T073932_20201031T074513_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_20201031T091831_20201031T092412_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_20201031T092427_20201031T092540_C001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPR_2_20201031T105746_20201031T110205_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_20201031T110205_20201031T110431_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_20201031T123610_20201031T124131_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_20201031T160952_20201031T161053_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_20201031T222919_20201031T223206_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_20201031T234632_20201031T235036_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:

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

Number of products with errors:

85

0

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20201030T235242_20201031T000658_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_20201031T001110_20201031T001944_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_20201031T002314_20201031T004447_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_20201031T011037_20201031T012157_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_20201031T012202_20201031T014637_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_20201031T015308_20201031T015748_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_20201031T020247_20201031T020425_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_20201031T020610_20201031T022715_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_20201031T023742_20201031T023751_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_20201031T025934_20201031T032426_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_NOPM_2_20201031T033227_20201031T033822_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201031T034148_20201031T035918_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_20201031T040151_20201031T040433_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_20201031T041243_20201031T041422_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_20201031T041717_20201031T041910_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_20201031T043101_20201031T050349_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_20201031T051135_20201031T051654_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_20201031T052333_20201031T052510_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_NOPM_2_20201031T055432_20201031T055834_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_20201031T060855_20201031T061939_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_20201031T062224_20201031T064344_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_20201031T065146_20201031T065552_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_20201031T070129_20201031T071059_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_20201031T071247_20201031T071859_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_20201031T072040_20201031T072522_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_20201031T074804_20201031T082226_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.
CC OFFI CID NORM 2 20204024T082F27 20204024T082028 C004	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
CS_OFFL_SIR_NOPM_2_20201031T082527_20201031T083038_C001		for one or more records.
CS_OFFL_SIR_NOPM_2_202010311082527_202010311083038_C001 CS_OFFL_SIR_NOPM_2_202010311082527_202010311083038_C001	Backscatter Quality OCOG Altimeter Range Quality, OCOG	
	Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20201031T083057_20201031T083352_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH	for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20201031T083057_20201031T083352_C001 CS_OFFL_SIR_NOPM_2_20201031T084138_20201031T091226_C001	Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20201031T083057_20201031T083352_C001 CS_OFFL_SIR_NOPM_2_20201031T084138_20201031T091226_C001 CS_OFFL_SIR_NOPM_2_20201031T092759_20201031T093513_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH	for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20201031T083057_20201031T083352_C001 CS_OFFL_SIR_NOPM_2_20201031T084138_20201031T091226_C001 CS_OFFL_SIR_NOPM_2_20201031T092759_20201031T093513_C001 CS_OFFL_SIR_NOPM_2_20201031T093516_20201031T094519_C001	Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20201031T083057_20201031T083352_C001 CS_OFFL_SIR_NOPM_2_20201031T084138_20201031T091226_C001 CS_OFFL_SIR_NOPM_2_20201031T092759_20201031T093513_C001 CS_OFFL_SIR_NOPM_2_20201031T093516_20201031T094519_C001 CS_OFFL_SIR_NOPM_2_20201031T094700_20201031T100154_C001	Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality	for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201031T083057_20201031T083352_C001 CS_OFFL_SIR_NOPM_2_20201031T084138_20201031T091226_C001 CS_OFFL_SIR_NOPM_2_20201031T092759_20201031T093513_C001 CS_OFFL_SIR_NOPM_2_20201031T093516_20201031T094519_C001 CS_OFFL_SIR_NOPM_2_20201031T094700_20201031T100154_C001 CS_OFFL_SIR_NOPM_2_20201031T100431_20201031T100936_C001	Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH 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_20201031T083057_20201031T083352_C001 CS_OFFL_SIR_NOPM_2_20201031T084138_20201031T091226_C001 CS_OFFL_SIR_NOPM_2_20201031T092759_20201031T093513_C001 CS_OFFL_SIR_NOPM_2_20201031T093516_20201031T094519_C001 CS_OFFL_SIR_NOPM_2_20201031T094700_20201031T100154_C001 CS_OFFL_SIR_NOPM_2_20201031T100431_20201031T100936_C001 CS_OFFL_SIR_NOPM_2_20201031T100431_20201031T100936_C001	Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201031T083057_20201031T083352_C001 CS_OFFL_SIR_NOPM_2_20201031T084138_20201031T091226_C001 CS_OFFL_SIR_NOPM_2_20201031T092759_20201031T093513_C001 CS_OFFL_SIR_NOPM_2_20201031T093516_20201031T094519_C001 CS_OFFL_SIR_NOPM_2_20201031T094700_20201031T100154_C001 CS_OFFL_SIR_NOPM_2_20201031T100431_20201031T100936_C001 CS_OFFL_SIR_NOPM_2_20201031T101909_20201031T102916_C001 CS_OFFL_SIR_NOPM_2_20201031T101909_20201031T102916_C001	Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201031T083057_20201031T083352_C001 CS_OFFL_SIR_NOPM_2_20201031T084138_20201031T091226_C001 CS_OFFL_SIR_NOPM_2_20201031T092759_20201031T093513_C001 CS_OFFL_SIR_NOPM_2_20201031T093516_20201031T094519_C001 CS_OFFL_SIR_NOPM_2_20201031T094700_20201031T100154_C001 CS_OFFL_SIR_NOPM_2_20201031T100431_20201031T100936_C001 CS_OFFL_SIR_NOPM_2_20201031T101909_20201031T102916_C001 CS_OFFL_SIR_NOPM_2_20201031T101909_20201031T105128_C001 CS_OFFL_SIR_NOPM_2_20201031T103536_20201031T105128_C001	Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPM_2_20201031T114930_20201031T115033_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_20201031T115651_20201031T121914_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_NOPM_2_20201031T122036_20201031T123214_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_NOPM_2_20201031T125819_20201031T131858_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_20201031T132431_20201031T132806_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_20201031T132828_20201031T133144_C001	<u> </u>	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20201031T133524_20201031T140233_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_NOPM_2_20201031T143253_20201031T143256_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_20201031T143445_20201031T145841_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_NOPM_2_20201031T150214_20201031T150720_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_20201031T150728_20201031T151055_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_20201031T151502_20201031T154821_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_20201031T160035_20201031T160304_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_NOPM_2_20201031T161454_20201031T162129_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_20201031T163404_20201031T163721_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_NOPM_2_20201031T164214_20201031T164754_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_20201031T165536_20201031T172751_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_NOPM_2_20201031T172906_20201031T172923_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_20201031T173956_20201031T174150_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_20201031T180026_20201031T181609_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_20201031T182139_20201031T182649_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_20201031T183349_20201031T190925_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_20201031T191906_20201031T192112_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_NOPM_2_20201031T193126_20201031T193557_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_NOPM_2_20201031T193642_20201031T195416_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_NOPM_2_20201031T200344_20201031T200553_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_20201031T201331_20201031T204713_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_20201031T210113_20201031T212012_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_20201031T212108_20201031T213438_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_20201031T214304_20201031T214503_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_20201031T214623_20201031T215005_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_20201031T215243_20201031T220726_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_20201031T220929_20201031T221851_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_20201031T224045_20201031T225607_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_20201031T230419_20201031T230443_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_20201031T231415_20201031T231532_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_20201031T232121_20201031T232908_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_20201031T233224_20201031T234631_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_20201031T015748_20201031T020005_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_20201031T060729_20201031T060758_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_20201031T132822_20201031T132828_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_20201031T151055_20201031T151227_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_20201031T215005_20201031T215145_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_20201031T050349_20201031T050822_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_20201031T100936_20201031T100943_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_20201031T174903_20201031T175226_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors: 92

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20201031T004628_20201031T004952_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_20201031T005038_20201031T005153_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_20201031T010547_20201031T011037_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.

COLOR SERVICE ASSOCIATION AND ADMINISTRATION AND AD	CS_OFFL_SIR_NOPN_2_20201031T015748_20201031T020005_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
An Application Control (1987) Application	CS_OFFL_SIR_NOPN_2_20201031T023022_20201031T023128_C001	OCOG Backscatter Quality	
25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T06527 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T06527 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T06527 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T06527 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T06527 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T06527 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T06527 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T06527 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 201001 T0611 2001 25. OFF. SR NOPH 2 2000 CHTTE3000 100 CHTT.2001 25. OFF. SR NOPH 2 2000 CHTTE3000 100 CHTT.2001 25. OFF. SR NOPH 2 2000 CHTTE3000 100 CHTT.2001 25. OFF. SR NOPH 2 2000 CHTTE3000 100 CHTT.2001 25. OFF. SR NOPH 2 2000 CHTTE3000 100 CHTT.2001 25. OFF. SR NOPH 2 2000 CHTTE3000 100 CHTT.2001 25. OFF. SR NOPH 2 2000 CHTTE3000 100 CHTT.2001 25. OFF. SR NOPH 2 2000 CHTTE3000 100 CHTT.2001 25. OFF. SR NOPH 2 2000 CHTTE3000 100 CHTT.2001 25. OFF. SR NOPH 2 2000 CHTT.2001 100 CHTT.2001 25. OFF. SR NOPH 2 2000 CHTT.2001 100 CHTT.2001 25. OFF. SR NOPH 2 2000 CHTT.2001 100 CHTT.2001 25. OFF. SR NOPH 2 2000 CHTT.2001 100 CHTT.2001 25. OFF. SR NOPH 2 2000	CS_OFFL_SIR_NOPN_2_20201031T023755_20201031T023857_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS. OFT., SR. NOPK. 2. 2001 (6179-2375 2001931TC8591). COV. CSC OFT., SR. NOPK. 2. 2001 (6179-2375 2001931TC8591). COV. CSC OFT., SR. NOPK. 2. 2001 (6179-2375 2001931TC8591). COV. CSC OFT., SR. NOPK. 2. 2001 (6179-2375 2001931TC8591). COV. CSC OFT., SR. NOPK. 2. 2001 (6179-2372 2001931TC8191). COV. CSC OFT., SR. NOPK. 2. 2001 (6179	CS_OFFL_SIR_NOPN_2_20201031T032830_20201031T032951_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Cold Behavior Cold)	CS_OFFL_SIR_NOPN_2_20201031T033005_20201031T033227_C001		
CS_OFFL_SIR_NOPK_2_2001031T09382_2001031T09382_00001175:155_0001 CS_OFFL_SIR_NOPK_2_2001031T09382_2001031T09312_0001 CS_OFFL_SIR_NOPK_2_2001031T09382_2001031T09312_0001 CS_OFFL_SIR_NOPK_2_2001031T09301_200101175:612_0001 CS_OFFL_SIR_NOPK_2_2001031T09301_200101175:612_0001 CS_OFFL_SIR_NOPK_2_2001031T09301_200101175:612_0001 CS_OFFL_SIR_NOPK_2_2001031T09301_200101175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T09301_200101175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T09301_200101175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T09301_200101175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T09301_200101175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T09301_200101175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T09301_200010175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T09301_200010175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T093032_200001175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T093032_200001175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T093032_200001175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T09303_200001175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_2001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_20001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_20001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_20001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_20001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_20001031T093032_2000001175:6011_0001 CS_OFFL_SIR_NOPK_2_20001031T093031_000000000000000000000000000000000	CS_OFFL_SIR_NOPN_2_20201031T042758_20201031T042911_C001	_	
See Set-State Coulty F.RM, COOD Almost State County F.RM, COOD Almost State County F.RM, COOD Almost State County F.RM, SSM, SWM and State County F.RM, SSM, SSM, SSM, SSM, SSM, SSM, SSM, S	CS_OFFL_SIR_NOPN_2_20201031T042934_20201031T043101_C001	OCOG Backscatter Quality	
CS_OPPL_SIX_NOPIN_2_azonitish 1091642_2001131105593_2001 CS_OPPL_SIX_NOPIN_2_azonitish 1091652_2001131105593_2001 CS_OPPL_SIX_NOPIN_2_azonitish 1091652_2001131107593_2001 CS_OPPL_SIX_NOPIN_2_azonitish 1091662_2001131107593_2001 CS_OPPL_SIX_NOPI	CS_OFFL_SIR_NOPN_2_20201031T050822_20201031T051135_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*031105425_20201031105542_COC1 OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*031105435_20201031105542_COC1 OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*03110543_20201031105542_COC1 OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*03110543_20201031105523_COC1 OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*03110543_20201031105523_COC1 OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*03110540_20201031105523_COC1 OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*03110540_20201031105535_COC1 OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*031105303_20201031105335_COC1 OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*031105303_20201031105335_COC1 OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*031105303_20201031105335_COC1 OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*031110544_200010311105355_COC1 OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*031110545_COC1 OCCS Abstracts Rains Quality PLEM. CS_OFPL_SIR_NOPN_2_2020*03111	CS_OFFL_SIR_NOPN_2_20201031T051654_20201031T051810_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS OFFL SIR NOPN 2 2200 C31T055305 20201C31T05532 C001 CS OFFL SIR NOPN 2 2200 C31T055305 20201C31T05532 C001 CS OFFL SIR NOPN 2 2200 C31T055305 20201C31T055377 C001 CS OFFL SIR NOPN 2 2020 C31T055552 20201C31T05577 C001 CS OFFL SIR NOPN 2 2020 C31T055552 20201C31T05577 C001 CS OFFL SIR NOPN 2 2020 C31T075502 20201C31T05577 C001 CS OFFL SIR NOPN 2 2020 C31T075502 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075502 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075502 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075502 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075502 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075502 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075502 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075504 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075504 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075504 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075504 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075504 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075504 20201C31T075771 C001 CS OFFL SIR NOPN 2 2020 C31T075505 20201C31T075554 C001 CS OFFL SIR NOPN 2 2020 C31T075505 20201C31T075554 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10265 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10265 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10265 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10265 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10265 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10265 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10265 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10265 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10265 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10265 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10265 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10267 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10267 C001 CS OFFL SIR NOPN 2 2020 C31T102675 20201C31T10267 C001 CS OFFL SIR NOPN 2 2020 C31T10267 20201C31T10267 C001 CS OFFL SIR NOP	CS_OFFL_SIR_NOPN_2_20201031T052904_20201031T052908_C001		
OCCO Bacceater Quality CS_OFFL_SIR_NOPN_2_20201031T084704_20201031T085023_CO11 OCCO Alternotre Range Quality PLRM. OCCO Alternotre Range SSHA_SVH and Backeater Quality Flags Range and Backeater Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20201031T085552_20201031T085717_CO11 CS_OFFL_SIR_NOPN_2_20201031T073014_20201031T075711_CO11 CS_OFFL_SIR_NOPN_2_20201031T073014_20201031T075711_CO11 CCS_OFFL_SIR_NOPN_2_20201031T073014_20201031T075711_CO11 CCS_OFFL_SIR_NOPN_2_20201031T073014_20201031T075711_CO11 CCS_OFFL_SIR_NOPN_2_20201031T073014_20201031T073711_CO11 CCS_OFFL_SIR_NOPN_2_20201031T073014_20201031T073711_CO11 CCS_OFFL_SIR_NOPN_2_20201031T073014_20201031T073711_CO11 CCS_OFFL_SIR_NOPN_2_20201031T073014_20201031T00334_CO11 CCS_OFFL_SIR_NOPN_2_20201031T00349_20201031T100431_CO11 CCS_OFFL_SIR_NOPN_2_20201031T100449_20201031T100431_CO11 CCS_OFFL_SIR_NOPN_2_20201031T100449_20201031T100431_CO11 CCS_OFFL_SIR_NOPN_2_20201031T100323_CO11 CCS_OFFL_SIR_NOPN_2_20201031T1003303_20201031T100332_CO11 CCS_OFFL_SIR_NOPN_2_20201031T1003303_20201031T100332_CO11 CCS_OFFL_SIR_NOPN_2_20201031T103303_20201031T103323_CO11 CCS_OFFL_SIR_NOPN_2_20201031T103303_20201031T103323_CO11 CCS_OFFL_SIR_NOPN_2_20201031T103303_20201031T103323_CO11 CCS_OFFL_SIR_NOPN_2_20201031T103303_20201031T103323_CO11 CCS_OFFL_SIR_NOPN_2_20201031T1053303_20201031T105323_CO11 CCS_OFFL_SIR_NOPN_2_20201031T1053303_20201031T105323_CO11 CCCC_Alternor Range Quality PLRM, COCO Alternor Range and Backscatter Quality Plags have been set for one or more recor	CS_OFFL_SIR_NOPN_2_20201031T054928_20201031T055011_C001		
OCO Backscater Custry CS_OFFL_SIR_NOPN_2_20201031T065552_20201031T07194_C001 CS_OFFL_SIR_NOPN_2_20201031T071900_20201031T07194_C001 CS_OFFL_SIR_NOPN_2_20201031T071900_20201031T07194_C001 CS_OFFL_SIR_NOPN_2_20201031T073014_20201031T073711 Cup 1 CS_OFFL_SIR_NOPN_2_20201031T0730333_20201031T08534_C001 CS_OFFL_SIR_NOPN_2_20201031T00249_20201031T00431_C001 CS_OFFL_SIR_NOPN_2_20201031T00249_20201031T100431_C001 CS_OFFL_SIR_NOPN_2_20201031T100249_20201031T100353_C001 CS_OFFL_SIR_NOPN_2_20201031T100249_20201031T100353_C001 CS_OFFL_SIR_NOPN_2_20201031T100249_20201031T100353_C001 CS_OFFL_SIR_NOPN_2_20201031T100249_20201031T100353_C001 CS_OFFL_SIR_NOPN_2_20201031T100349_20201031T100353_C001 CS_OFFL_SIR_NOPN_2_20201031T100349_20201031T100353_C001 CS_OFFL_SIR_NOPN_2_20201031T100349_20201031T100353_C001 CS_OFFL_SIR_NOPN_2_20201031T100349_20201031T100353_C001 CS_OFFL_SIR_NOPN_2_20201031T100349_20201031T100353_C001 CS_OFFL_SIR_NOPN_2_20201031T100303_20201031T103323_C001 CS_OFFL_SIR_NOPN_2_20201031T100303_20201031T103323_C001 CS_OFFL_SIR_NOPN_2_20201031T100303_20201031T103323_C001 CS_OFFL_SIR_NOPN_2_20201031T100303_20201031T100303_C001031T1	CS_OFFL_SIR_NOPN_2_20201031T055305_20201031T055432_C001		
CS_OFFL_SIR_NOPN_2_20201031T058552_20201031T07894 C001 CS_OFFL_SIR_NOPN_2_20201031T078914_20201031T07944 C001 CS_OFFL_SIR_NOPN_2_20201031T078914_20201031T079711_C001 CS_OFFL_SIR_NOPN_2_20201031T078914_20201031T078914_C001 CS_OFFL_SIR_NOPN_2_20201031T078914_20201031T078914_C001 CS_OFFL_SIR_NOPN_2_20201031T078914_20201031T078914_C001 CS_OFFL_SIR_NOPN_2_20201031T083353_20201031T08534_C001 CS_OFFL_SIR_NOPN_2_20201031T092916_20201031T100431_C001 CS_OFFL_SIR_NOPN_2_20201031T102916_20201031T100431_C001 CS_OFFL_SIR_NOPN_2_20201031T102916_20201031T10323_C001 CCC_GAInmeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20201031T102916_20201031T10323_C001 CCC_GAInmeter Range and Backscatter Quality Flags have been set for one or more records. CCC_GAInmeter Range and Backscatter Quality Flags have been set for one or more records. CCC_GAInmeter Range and Backscatter Quality Flags have been set for one or more records. CCC_GAInmeter Range and Backscatter Quality Flags have been set for one or more records. CCC_GAInmeter Range and Backscatter Quality Flags have been set for one or more records. CCC_GAInmeter Range and Backscatter Quality Flags have been set for one or more records. CCC_GAInmeter Range and Backscatter Quality Flags have been set for one or more records. CCC_GAInmeter Range and Backscatter Quality Flags have been set for one or more records. CCC_GAInmeter Range and Backscatter Quality Flags have been set for one or more records. CCC_GAInmeter Range	CS_OFFL_SIR_NOPN_2_20201031T064704_20201031T065023_C001	OCOG Backscatter Quality	
OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_20201031T073614_20201031T073711_C001 OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Altimeter Range Altimeter Range and Backscatter Quality PLRM. OCOG Backscatter Qua	CS_OFFL_SIR_NOPN_2_20201031T065552_20201031T065717_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_20201031T08353_20201031T083534_C001 CS_OFFL_SIR_NOPN_2_20201031T100249_20201031T100431_C001 CS_OFFL_SIR_NOPN_2_20201031T100249_20201031T100431_C001 CS_OFFL_SIR_NOPN_2_20201031T100249_20201031T100431_C001 CS_OFFL_SIR_NOPN_2_20201031T100249_20201031T100431_C001 CS_OFFL_SIR_NOPN_2_20201031T100249_20201031T100431_C001 CS_OFFL_SIR_NOPN_2_20201031T10144_20201031T101355_C001 CS_OFFL_SIR_NOPN_2_20201031T10144_20201031T103323_C001 CS_OFFL_SIR_NOPN_2_20201031T10303_20201031T103032_C001 CS_OFFL_SIR_NOPN_2_20201031T10303_20201031T103032_C001 CS_OFFL_SIR_NOPN_2_20201031T10303_20201031T10303_C001 CS_OFFL_SIR_NOPN_2_20201031T10303_20201031T103323_C001 CS_OFFL_SIR_NOPN_2_20201031T10303_20201031T103323_C001 CS_OFFL_SIR_NOPN_2_20201031T10303_20201031T103323_C001 CS_OFFL_SIR_NOPN_2_20201031T10303_20201031T103430_C001 CS_OFFL_SIR_NOPN_2_20201031T10303_20201031T103430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123210_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20	CS_OFFL_SIR_NOPN_2_20201031T071900_20201031T071944_C001		
CS_OFFL_SIR_NOPN_2_20201031T083353_20201031T103534_C001 and Backscatter Quality PLRM_OCOG Altimeter Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20201031T100449_20201031T100431_C001 Altimeter Range and Backscatter Quality Plags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Plags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Plags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Plags have been set for one or more record	CS_OFFL_SIR_NOPN_2_20201031T073614_20201031T073711_C001	OCOG Backscatter Quality	
CS_OFFL_SIR_NOPN_2_20201031T100249_20201031T100431_C001 CS_OFFL_SIR_NOPN_2_20201031T101141_20201031T10355_C001 CS_OFFL_SIR_NOPN_2_20201031T10303_20201031T103023_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T103323_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123610_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123610_C0	CS_OFFL_SIR_NOPN_2_20201031T083353_20201031T083534_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20201031T102916_20201031T103023_C001 CS_OFFL_SIR_NOPN_2_20201031T103033_20201031T103023_C001 CS_OFFL_SIR_NOPN_2_20201031T103033_20201031T103323_C001 CS_OFFL_SIR_NOPN_2_20201031T103033_20201031T103323_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T11504_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T11504_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T11504_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123810_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123810_C001 CS_OFFL_SIR_NOPN_2_20201031T123117_20201031T125205_C001 COOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocog Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocog Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123810_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123810_C001 CS_OFFL_SIR_NOPN_2_20201031T123117_20201031T125205_C001 COOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 COOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20201031T133158_20201031T1332431_C001 COOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscat	CS_OFFL_SIR_NOPN_2_20201031T100249_20201031T100431_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20201031T10303_20201031T103323_C001 CS_OFFL_SIR_NOPN_2_20201031T103303_20201031T103323_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20201031T101141_20201031T101355_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123610_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123610_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20201031T102916_20201031T103023_C001		
CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001 CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T115524_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123610_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123610_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123610_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T132431_C001 CCOG Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T132431_C001 CCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20201031T103303_20201031T103323_C001		, ,
CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T115524_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123610_C001 CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T132458_20201031T132431_C001	CS_OFFL_SIR_NOPN_2_20201031T105129_20201031T105430_C001		
CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123610_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 CS_OFFL_SIR_NOPN_2_20201031T132158_20201031T132431_C001 CS_OFFL_SIR_NOPN_2_20201031T132158_20201031T132431_C001 CS_OFFL_SIR_NOPN_2_20201031T132158_20201031T132431_C001 CS_OFFL_SIR_NOPN_2_20201031T132158_20201031T132431_C001 CS_OFFL_SIR_NOPN_2_20201031T132158_20201031T132431_C001 CS_OFFL_SIR_NOPN_2_20201031T132158_20201031T132431_C001 CS_OFFL_SIR_NOPN_2_20201031T132158_20201031T132431_C001	CS_OFFL_SIR_NOPN_2_20201031T115034_20201031T115524_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001 OCOG Backscatter Quality OCOG Backscatter Quality more records. The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_NOPN_2_20201031T123214_20201031T123610_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
US OFFI SIR NOPN / /0/01031113/158 /0/01031113/431 C001	CS_OFFL_SIR_NOPN_2_20201031T125107_20201031T125205_C001		
	CS_OFFL_SIR_NOPN_2_20201031T132158_20201031T132431_C001		

CS_OFFL_SIR_NOPN_2_20201031T140321_20201031T140704_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_20201031T142543_20201031T142558_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_20201031T151055_20201031T151227_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_20201031T155036_20201031T155122_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_20201031T164956_20201031T165111_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_20201031T172751_20201031T172906_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20201031T174150_20201031T174252_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_20201031T174755_20201031T174818_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_20201031T182014_20201031T182139_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_20201031T200053_20201031T200344_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_20201031T200553_20201031T201118_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_20201031T205024_20201031T205118_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_20201031T205649_20201031T210020_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_20201031T214029_20201031T214304_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_20201031T215005_20201031T215145_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_20201031T223548_20201031T223700_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_20201031T223826_20201031T224045_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_20201031T225810_20201031T230419_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_20201031T231739_20201031T232121_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_20201031T235548_20201031T235914_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_20201031T000658_20201031T000924_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_20201031T014637_20201031T014859_C001	TAITIMETER RANGE AND BACKSCATTER CHAITIVE	The Ocean Altimeter Range, SSHA, SWH 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_20201031T020005_20201031T020247_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_20201031T023648_20201031T023742_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_20201031T023751_20201031T023755_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_20201031T024055_20201031T024613_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_20201031T025738_20201031T025934_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_20201031T032427_20201031T032830_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_20201031T041422_20201031T041606_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_20201031T042001_20201031T042758_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_20201031T050349_20201031T050822_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_20201031T051810_20201031T052333_C001	TAITIMETER Range and Backscatter Chality	The Ocean Altimeter Range, SSHA, SWH 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_20201031T055835_20201031T060729_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_20201031T064345_20201031T064704_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_20201031T065717_20201031T070129_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_20201031T073932_20201031T074513_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_20201031T074701_20201031T074723_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_20201031T083534_20201031T084138_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_20201031T101355_20201031T101909_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_20201031T103323_20201031T103536_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_20201031T105746_20201031T110205_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_20201031T112523_20201031T112702_C001	TAITIMETER Range and Backscatter Chality	The Ocean Altimeter Range, SSHA, SWH 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_20201031T114021_20201031T114159_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_20201031T124206_20201031T124311_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_20201031T131858_20201031T132158_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_20201031T142430_20201031T142438_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_20201031T151227_20201031T151502_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_20201031T155017_20201031T155036_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_20201031T160305_20201031T160429_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_20201031T160952_20201031T161053_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_20201031T163721_20201031T164058_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_20201031T165111_20201031T165536_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_20201031T174252_20201031T174634_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_20201031T174903_20201031T175226_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_20201031T181609_20201031T182014_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_20201031T192112_20201031T193126_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_20201031T195417_20201031T200053_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_20201031T212013_20201031T212108_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_20201031T213438_20201031T214029_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_20201031T222919_20201031T223206_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_20201031T231727_20201031T231739_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_20201031T234632_20201031T235036_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_20201031T235036_20201031T235448_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors: 172

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

Number of products with errors: 59

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors: 131

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	171	171	6	165	0
SIR_NOPR1B	89	89	0	89	0
SIR_NOPN1B	108	108	5	103	0
SIR_NOPM_2	171	171	121	50	0
SIR_NOPR_2	89	89	22	66	1
SIR_NOPN_2	108	108	50	58	0

7.1 QCC Errors

Number of QCC reports with errors:

4

Total number of occurrences of each error

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

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

7.2 QCC Warnings

Number of QCC reports with warnings

1626

Total number of occurrences of each warning

	rotal number of occurrences of each warning							
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	
SIR_NOPM1B	165	0	0	0	0	0	0	
SIR_NOPM_2	0	0	35	37	1	38	0	

SIR_NOPN1B	102	0	0	0	0	0	0
SIR_NOPN_2	0	0	10	28	3	23	25
SIR_NOPR1B	87	0	0	0	0	0	0
SIR_NOPR_2	0	1	38	37	1	33	30

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCI	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	35	25	0	0	0	0	22
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	20	0	0	20	0	27	0
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	18	0	45	0	47	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	6	25	0	2	30
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	23	16	39	49	32	24
SIR_NOPR1B	0	0	0	0	0	0	0
SIR NOPR 2	40	0	3	57	36	9	44

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-
SIR_NOPM1B	0	0	0	0	0	4	
SIR_NOPM_2	0	1	0	0	0	0	
SIR_NOPN1B	0	0	0	0	47	1	
SIR_NOPN_2	25	13	2	1	0	0	
SIR_NOPR1B	0	0	0	0	89	3	
SIR NOPR 2	45	3	0	4	0	0	

Test Description Key:						
•	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
	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				
	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean				
	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				
	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
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				
	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)				
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample				
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter				
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter				

7.3 Missing QCC Reports