

## 1. Overview

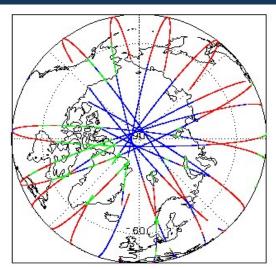
Report Production:	07-Oct-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

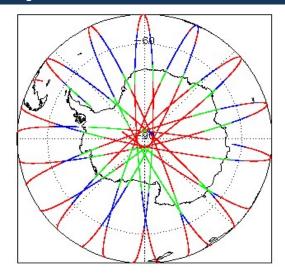
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Fail
Product Format Check	See Sections 4.1 and 5.1
Product Header Analysis	See Section 5.2
Auxiliary Data File Usage Check	See Section 4.3 and 5.3
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7
QCC Error/ Warning Check	See Section 7.1, 7.2

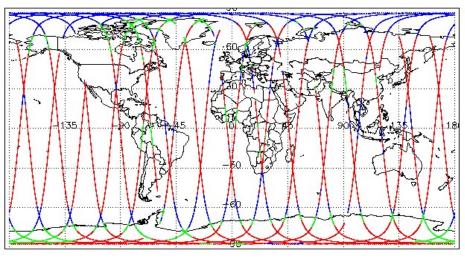
04/10/2022

Mission / Instrument News		
03-Oct-2022	None	
04-Oct-2022	None	
05-Oct-2022 SIRAL unavailability from 18:48:33 to 20:37:50 due to an orbit manoeuvre		

# 2. Global Coverage









# 3. Instrument Configuration

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

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

## 4. NOP Level 1B Data Quality Check

### 4.1 L1B Product Format Check

#### 4.2 L1B Product Header Analysis

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

> L1B Processing Quality HR: The I1b\_proc\_flag\_hr flag is currently set all L1B NOPR and NOPN products because the I1b\_processing\_quality\_hr field is not correctly configured in the OSAR and OSAPIn chains. A modification is required in the part release.

Number of products with errors:

### 4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

#### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

#### 4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20221004T054913_20221004T055011_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20221004T135841_20221004T140727_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

#### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20221004T002820_20221004T003032_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20221004T081211_20221004T084752_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20221004T101320_20221004T102454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20221004T232443_20221004T234013_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221004T003033_20221004T003602_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221004T072643_20221004T072741_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221004T103908_20221004T104022_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221004T121419_20221004T121524_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221004T135333_20221004T135841_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221004T152644_20221004T152715_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221004T152828_20221004T152848_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221004T184216_20221004T184307_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221004T202442_20221004T202703_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221004T234325_20221004T234541_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20221004T060945_20221004T061234_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20221004T120743_20221004T120927_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20221004T120949_20221004T121419_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20221004T152848_20221004T153353_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20221004T170246_20221004T170417_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. NOP Level 2 Data Quality Check

### 5.1 L2 Product Format Check

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

Number of products with errors: Not 0

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

0

#### 5.3 L2 Auxiliary Data File Usage Check

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

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

### 5.4 L2 Auxiliary Correction Error Check

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

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

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

Product Description Test Failed Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean There is an error with the MSS height (solution 1), the Mean Dynamic CS OFFL SIR NOPM 2 20221004T001552 20221004T002656 C001 Topography height (solution 1) and the Total Geocentric Ocean Tide height Tide (GOT) (solution 1: GOT) for one or more records There is an error with the Mean Dynamic Topography height for one or CS OFFL SIR NOPM 2 20221004T114744 20221004T115706 C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or CS\_OFFL\_SIR\_NOPM\_2\_20221004T122055\_20221004T123454\_C001 Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean There is an error with the MSS height (solution 1), the Mean Dynamic CS OFFL SIR NOPM 2 20221004T232443 20221004T234013 C001 Tide (GOT), Total Geocentric Ocean Topography (solution 1) and the tidal corrections for one or more records Tide (FES), Non-Equilibrium Long Period Ocean Tide There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS\_OFFL\_SIR\_NOPN\_2\_20221004T003033\_20221004T003602\_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR NOPN 2 20221004T012904 20221004T013147 C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic 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 20221004T021033 20221004T021424 C001 Topography (1) There is an error with the Mean Dynamic Topography height for one or CS\_OFFL\_SIR\_NOPN\_2\_20221004T031015\_20221004T031157\_C001 Mean Dynamic Topography (1) more records There is an error with the Mean Dynamic Topography height for one or CS OFFL SIR NOPN 2 20221004T061925 20221004T062046 C001 Mean Dynamic Topography (1) more records There is an error with the Mean Dynamic Topography height for one or CS\_OFFL\_SIR\_NOPN\_2\_20221004T062614\_20221004T062927\_C001 Mean Dynamic Topography (1) more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS OFFL SIR NOPN 2 20221004T075856 20221004T080010 C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR NOPN 2 20221004T080512 20221004T080830 C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic CS\_OFFL\_SIR\_NOPN\_2\_20221004T093948\_20221004T094224\_C001 Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS\_OFFL\_SIR\_NOPN\_2\_20221004T094417\_20221004T095043\_C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) CS OFFL SIR NOPN 2 20221004T103504 20221004T103624 C001 Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic CS\_OFFL\_SIR\_NOPN\_2\_20221004T121419\_20221004T121524\_C001 Topography (1) There is an error with the Mean Dynamic Topography height for one or CS\_OFFL\_SIR\_NOPN\_2\_20221004T125720\_20221004T125916\_C001 Mean Dynamic Topography (1) more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1), the Mean Dynamic CS OFFL SIR NOPN 2 20221004T135333 20221004T135841 C001 Topography (1), Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records Tide (GOT) There is an error with the Mean Dynamic Topography height for one or CS OFFL SIR NOPN 2 20221004T143654 20221004T143812 C001 Mean Dynamic Topography (1) more records Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean There is an error with the MSS height (solution 1), the Mean Dynamic CS OFFL SIR NOPN 2 20221004T161822 20221004T162019 C001 Tide (GOT). Total Geocentric Ocean Topography (solution 1) and the tidal corrections for one or more records Tide (FES), Non-Equilibrium Long Period Ocean Tide Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS\_OFFL\_SIR\_NOPN\_2\_20221004T175606\_20221004T175929\_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or CS\_OFFL\_SIR\_NOPN\_2\_20221004T180453\_20221004T180611\_C001 Mean Dynamic Topography (1) Mean Dynamic Topography (1), Total There is an error with the Mean Dynamic Topography (solution 1), the Total CS\_OFFL\_SIR\_NOPN\_2\_20221004T185455\_20221004T185824\_C001 Geocentric Ocean Tide (FES), Non Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Equilibrium Long Period Ocean Tide Period Ocean Tide for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS\_OFFL\_SIR\_NOPN\_2\_20221004T193506\_20221004T193826\_C001 Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR NOPN 2 20221004T202442 20221004T202703 C001 Topography (1) Topography height (solution 1) for one or more records

	I	1
CS_OFFL_SIR_NOPN_2_20221004T212222_20221004T212350_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_20221004T220523_20221004T220625_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_20221004T225942_20221004T230145_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_20221004T234325_20221004T234541_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_20221004T003602_20221004T003724_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_20221004T003724_20221004T004254_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_20221004T005714_20221004T010456_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_20221004T021425_20221004T021932_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_20221004T035136_20221004T035959_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_20221004T053037_20221004T053810_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_20221004T054726_20221004T054912_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_20221004T111635_20221004T111733_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20221004T114544_20221004T114709_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_20221004T120743_20221004T120927_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_20221004T120949_20221004T121419_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_20221004T134634_20221004T135333_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_20221004T152848_20221004T153353_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_20221004T165649_20221004T165737_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_20221004T170246_20221004T170417_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_20221004T170705_20221004T171556_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_20221004T184639_20221004T185454_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_20221004T202724_20221004T203504_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_20221004T220626_20221004T221335_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_20221004T234541_20221004T235225_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

## 5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20221004T054912_20221004T055011_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20221004T135841_20221004T140727_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

### 5.6 L2 Measurement Quality Flag Check

## L2 Quality Flags (20 Hz)

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20221003T235649_20221004T000738_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_20221004T001552_20221004T002656_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_20221004T010456_20221004T011843_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_20221004T012233_20221004T012712_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_20221004T013504_20221004T020033_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_20221004T023414_20221004T025447_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_20221004T025538_20221004T025750_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_20221004T030245_20221004T030627_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_20221004T031347_20221004T034106_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_20221004T041054_20221004T043710_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_20221004T044048_20221004T044542_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_20221004T045427_20221004T052721_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_20221004T053855_20221004T054146_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_20221004T061234_20221004T061356_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_20221004T062046_20221004T062613_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_20221004T063342_20221004T065527_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_20221004T065701_20221004T070820_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_20221004T071840_20221004T072129_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_20221004T073820_20221004T075428_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_20221004T080010_20221004T080511_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_20221004T081211_20221004T084752_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_20221004T090955_20221004T093249_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_20221004T095201_20221004T100313_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_20221004T100326_20221004T100640_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

	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_NOPM_2_20221004T101320_20221004T102454_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20221004T102722_20221004T102732_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_20221004T104023_20221004T105725_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_20221004T105937_20221004T111409_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_20221004T112419_20221004T112831_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_20221004T113055_20221004T114243_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_20221004T114744_20221004T115706_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_20221004T121811_20221004T121849_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_20221004T122055_20221004T123454_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_20221004T124150_20221004T125443_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_20221004T125917_20221004T130734_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_20221004T131103_20221004T132627_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_20221004T133324_20221004T133418_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_20221004T140834_20221004T143433_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_20221004T144055_20221004T144601_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_20221004T145055_20221004T151414_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_20221004T154629_20221004T161240_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_20221004T162019_20221004T162621_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_20221004T162943_20221004T165606_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_20221004T170418_20221004T170705_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_20221004T171925_20221004T175127_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_20221004T175929_20221004T180453_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_20221004T180958_20221004T181246_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_20221004T184307_20221004T184638_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_20221004T185824_20221004T190733_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_20221004T191018_20221004T193138_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

CB_OFFL_SR_NONS_2_0021004T104811_20021004T16598_0001  CB_OFFL_SR_NONS_2_0021004T00482_20221004T20194_D010104100410041004100410041004100410041	CS_OFFL_SIR_NOPM_2_20221004T193938_20221004T194345_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Displacement Quality (COC) Alternate Flarge and descentation Quality Plags have been required to alternate Flarge and descentation Quality Plags have been required to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced to alternate Flarge and Resistantion Quality Plags have been reduced for reduced to alternate Flarge and Resistantion Quality Plags have been reduced for reduced f	CS_OFFL_SIR_NOPM_2_20221004T194911_20221004T195958_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Basiscenter Quality  Basiscent	CS_OFFL_SIR_NOPM_2_20221004T200038_20221004T200521_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_70021091720356_2022104172100_0001  CS_OFFL_SIR_NOPN_2_70021091721349_2022104172100_0001  CS_OFFL_SIR_NOPN_2_70021091721349_2022104172100_0001  CS_OFFL_SIR_NOPN_2_70021091721329_2022104172100_0001  CS_OFFL_SIR_NOPN_2_70021091721329_2022104172100_0001  CS_OFFL_SIR_NOPN_2_70021091721329_2022104172001_0001  CS_OFFL_SIR_NOPN_2_70021091721329_2022104172001_0001  CS_OFFL_SIR_NOPN_2_70021091721329_2022104172001_0001  CS_OFFL_SIR_NOPN_2_70021091721292_2022104172001_0001  CS_OFFL_SIR_NOPN_2_70021091722324_2022104172001_0001  CS_OFFL_SIR_NOPN_2_70021091722328_2022104172001_0001  CS_OFFL_SIR_NOPN_2_70021091722328_2022104172001_0001  CS_OFFL_SIR_NOPN_2_7002109172238_20221041720001_0001  CS_OFFL_SIR_NOPN_2_70021091723001_000107234_0001  CS_OFFL_SIR_NOPN_2_70021091723001_000107234_0001  CS_OFFL_SIR_NOPN_2_70021091723001_000107234_0001  CS_OFFL_SIR_NOPN_2_70021091723001_000107234_0001  CS_OFFL_SIR_NOPN_2_70021091723001_000107234_0001  CS_OFFL_SIR_NO	CS_OFFL_SIR_NOPM_2_20221004T201424_20221004T201514_C001		
CS_OFFL_SIR_NOPM_2_20221041721360_20221041721392_20221041722320 C001  CS_OFFL_SIR_NOPM_2_20221041721392_20221041722322 C001  CS_OFFL_SIR_NOPM_2_20221041721392_20221041722322 C001  CS_OFFL_SIR_NOPM_2_20221041721392_20221041722322 C001  CS_OFFL_SIR_NOPM_2_20221041721392_20221041722322 C001  CS_OFFL_SIR_NOPM_2_20221041721392_20221041722394 C001  CS_OFFL_SIR_NOPM_2_20221041721392_20221041722394 C001  CS_OFFL_SIR_NOPM_2_20221041722394 C001  CS_OFFL_SIR_NOPM_2_20221041722395 C0021041722394 C001  CS_OFFL_SIR_NOPM_2_20221041722395 C0021041722395 C0021041722395 C002104172394 C001  CS_OFFL_SIR_NOPM_2_20221041722395 C0021041722397 C001  CS_OFFL_SIR_NOPM_2_20221041722397 C0021041722397 C001  CS_OFFL_SIR_NOPM_2_20221041722397 C0021041722397 C001  CS_OFFL_SIR_NOPM_2_20221041722397 C0021041722397 C001  CS_OFFL_SIR_NOPM_2_20221041723997 C0021041722397 C001  CS_OFFL_SIR_NOPM_2_20221041723997 C0021041722397 C001  CS_OFFL_SIR_NOPM_2_20221041723997 C0021041722399 C0021  CS_OFFL_SIR_NOPM_2_20221041723997 C0021041723990 C001  CS_OFFL_SIR_NOPM_2_20221041723997 C0021041723990 C001  CS_OFFL_SIR_NOPM_2_20221041723997 C0021041723990 C001  CS_OFFL_SIR_NOPM_2_20221041723999 C0021041723990 C001  CS_OFFL_SIR_NOPM_2_20221041723990 C0	CS_OFFL_SIR_NOPM_2_20221004T202328_20221004T202355_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Coubly  Sedescatter Coubly  To one or more records  To one or Martineter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_70221004721592_20221047220114_C001  CS_OFFL_SIR_NOPM_2_202210047221502_20221047222114_C001  CS_OFFL_SIR_NOPM_2_202210047222514_C0021047222514_C001  CS_OFFL_SIR_NOPM_2_202210047222514_C0021047222514_C001  CS_OFFL_SIR_NOPM_2_202210047222514_C0021047222514_C001  CS_OFFL_SIR_NOPM_2_202210047222514_C0021047222514_C001  CS_OFFL_SIR_NOPM_2_202210047222514_C0021047222514_C001  CS_OFFL_SIR_NOPM_2_202210047222514_C0021047222514_C001  CS_OFFL_SIR_NOPM_2_202210047222514_C0021047222514_C001  CS_OFFL_SIR_NOPM_2_202210047222514_C0021047222514_C001  CS_OFFL_SIR_NOPM_2_202210047222514_C0021047222514_C001  CS_OFFL_SIR_NOPM_2_202210047222514_C001  CS_OFFL_SIR_NOPM_2_20221004722250_C0021004722250_C001  CS_OFFL_SIR_NOPM_2_20221004722250_C0021004722250_C001  CS_OFFL_SIR_NOPM_2_20221004722250_C002100472250_C001  CS_OFFL_SIR_NOPM_2_20221004722250_C002100472250_C001  CS_OFFL_SIR_NOPM_2_20221004722250_C002100472250_C001  CS_OFFL_SIR_NOPM_2_2022100472230_C001  CS_OFFL_SIR_NOPM_2_2022100472230_C002100472230_C001  CS_OFFL_SIR_NOPM_2_2022100472230_C002100472230_C001  CS_OFFL_SIR_NOPM_2_2022100472230_C00210047230_C001  CS_OFFL_SIR_NOPM_2_202210047230_C00210047230_C001  CS_OFFL_SIR_NOPM_2_202210047230_C001047230_C001  CS_OFFL_SIR_NOPM_2_202210047230_C001047230_C001  CS_OFFL_SIR_NOPM_2_202210047230_C001047230_C001  CS_OFFL_SIR_NOPM_2_202210047230_C001047230_C001  CS_OFFL_SIR_NOPM_2_202210047230_C001047230_C001  CS_OFFL_SIR_NOPM_2_202210047230_C001047230_C001  CS_OFFL_SIR_NOPM_2_202210047230_C001047230_C001	CS_OFFL_SIR_NOPM_2_20221004T203505_20221004T211020_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_202210047212932_20221004722914_C001  Obean Altimeter Range, SSHA, SWH and Backscatter Quality Rags have been set for one or more records  The Costan Altimeter Range, SSHA, SWH and Backscatter Quality Rags have been set for one or more records  The Costan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Costan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range Alumity, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Obean Altimeter Range, SSHA, SWH	CS_OFFL_SIR_NOPM_2_20221004T211340_20221004T211832_C001		
and Backscater Quality  and Backscater Quality  CS_OFFL_SIR_NOPM_2_20221004T221542_20221004T222814_C001  CS_OFFL_SIR_NOPM_2_20221004T2221542_20221004T222814_C001  CS_OFFL_SIR_NOPM_2_20221004T222356_20221004T222814_C001  CS_OFFL_SIR_NOPM_2_20221004T222362_20221004T222814_C001  CS_OFFL_SIR_NOPM_2_20221004T222802_20221004T222814_C001  CS_OFFL_SIR_NOPM_2_20221004T222802_20221004T222803_C001  CS_OFFL_SIR_NOPM_2_20221004T222802_20221004T222803_C001  CS_OFFL_SIR_NOPM_2_20221004T225702_20221004T225803_C001  CS_OFFL_SIR_NOPM_2_20221004T225807_20221004T225803_C001  CS_OFFL_SIR_NOPM_2_20221004T225403_20221004T225803_C001  CS_OFFL_SIR_NOPM_2_20221004T225403_20221004T225603_C001  CS_OFFL_SIR_NOPM_2_20221004T225403_20221004T225603_C001  CS_OFFL_SIR_NOPM_2_20221004T225403_20221004T225603_C001  CS_OFFL_SIR_NOPM_2_20221004T02543_20221004T225603_C001  CS_OFFL_SIR_NOPM_2_20221004T02563_20221004T225603_C001  CS_OFFL_SIR_NOPM_2_20221004T02563_20221004T025626_C001  CS_OFFL_SIR_NOPM_2_20221004T02563_20221004T025626_C001  CS_OFFL_SIR_NOPM_2_20221004T02563_20221004T025626_C001  CS_OFFL_SIR_NOPM_2_20221004T02563_20221004T025646_C001  CS_OFFL_SIR_NOPM_2_20221004T02563_20221004T025626_C001  CS_OFFL_S	CS_OFFL_SIR_NOPM_2_20221004T211852_20221004T212222_C001		
and Backscatter Quality and Backscatter Quality and Backscatter Quality CS_OFFL_SIR_NOPM_2_20221004T22336_20221004T223347_C001  CS_OFFL_SIR_NOPM_2_20221004T22336_20221004T223347_C001  CS_OFFL_SIR_NOPM_2_20221004T22336_20221004T22349_C001  CS_OFFL_SIR_NOPM_2_20221004T22300_7022104T22449_C001  CS_OFFL_SIR_NOPM_2_20221004T22501_20221004T22459_C001  CS_OFFL_SIR_NOPM_2_20221004T22501_20221004T225731_C001  CS_OFFL_SIR_NOPM_2_20221004T225730_20221004T225903_C001  CS_OFFL_SIR_NOPM_2_20221004T225730_20221004T225903_C001  CS_OFFL_SIR_NOPM_2_20221004T225730_20221004T225903_C001  CS_OFFL_SIR_NOPM_2_20221004T225730_20221004T225931_C001  CS_OFFL_SIR_NOPM_2_20221004T225730_20221004T225931_C001  CS_OFFL_SIR_NOPM_2_20221004T225730_20221004T225931_C001  CS_OFFL_SIR_NOPM_2_20221004T225907_C0014T225931_C001  CS_OFFL_SIR_NOPM_2_20221004T225907_C0014T225931_C001  CS_OFFL_SIR_NOPM_2_20221004T225907_C0014T225931_C001  CS_OFFL_SIR_NOPM_2_20221004T225907_C0014T225931_C001  CS_OFFL_SIR_NOPM_2_20221004T225907_C0014T225931_C001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T231986_C001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T231986_C001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T231986_C001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T231986_C001  CS_OFFL_SIR_NOPM_2_20221004T23043_20221004T231986_C001  CS_OFFL_SIR_NOPM_2_20221004T23043_20221004T231986_C001  CS_OFFL_SIR_NOPM_2_20221004T23043_20221004T230403_C001  CS_OFFL_SIR_NOPM_2_20221004T23043_20221004T230403_C001  CS_OFFL_SIR_NOPM_2_20221004T203043_20221004T230403_C001  CS_OFFL_SIR_NOPM_2_20221004T203043_20221004T200400_C001  CS_OFFL_SIR_NOPM_2_20221004T020417_20040_C001  CS_OFFL_SIR_NOPM_2_20221004T020417_20040_C001  CS_OFFL_SIR_NOPM_2_20221004T020417_20040_C001  CS_OFFL_SIR_NOPM_2_20221004T020417_20040_C001  CS_OFFL_SIR_NOPM_2_20221004T020417_20040_C001  CS_OFFL_SIR_NOPM_2_20221004T020417_20040_C001  CS_OFFL_SIR_NOPM_2_20221004T020417_20040_C001  CS_OFFL_SIR_NOPM_2_20221004T020417_20040_C001  CS_OFFL_SIR_NOPM_2_20221004T020417_20040_C001  CS_OFFL_SIR_NOPM_2_20221004T020417_20040_	CS_OFFL_SIR_NOPM_2_20221004T212932_20221004T220114_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COGO Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_20221004T223402_20221004T224949_0001  CS_OFFL_SIR_NOPM_2_20221004T225402_20221004T225751_C001  CS_OFFL_SIR_NOPM_2_20221004T225752_20221004T225803_0001  CS_OFFL_SIR_NOPM_2_20221004T225752_20221004T225803_0001  CS_OFFL_SIR_NOPM_2_20221004T225752_20221004T225803_0001  CS_OFFL_SIR_NOPM_2_20221004T225752_20221004T225804_0001  CS_OFFL_SIR_NOPM_2_20221004T225752_20221004T225804_0001  CS_OFFL_SIR_NOPM_2_20221004T225807_20221004T225804_0001  CS_OFFL_SIR_NOPM_2_20221004T225807_20221004T225804_0001  CS_OFFL_SIR_NOPM_2_20221004T225807_20221004T225804_0001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T225041_0001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T230736_0001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T230736_0001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T230736_0001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T230736_0001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T230736_0001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T230736_0001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T230736_0001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T230736_0001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T230736_0001  CCOCG Altimeter Range Quality, COCG Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_20221004T023042_20221004T230526_0001  CCCG Altimeter Range Quality, COCG Backscatter Quality Flags have been set for one or more records  CCCG Altimeter Range Quality, COCG Backscatter Quality Flags have been set for one or more records  CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCG Altimeter Range Quality, COCG Backscatter Quality Flags have been set for one or more records  CCCG Altimeter Range Quality, COCG Backscatter Quality Flags have been set for one or more records  CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCG Altimeter Range and Backscatter Quality Flags hav	CS_OFFL_SIR_NOPM_2_20221004T221542_20221004T222814_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been self for one or one conds  CS_OFFL_SIR_NOPM_2_20221004T225218_20221004T225731_C001  CS_OFFL_SIR_NOPM_2_20221004T225750_20221004T225731_C001  CS_OFFL_SIR_NOPM_2_20221004T225750_20221004T225803_C001  CS_OFFL_SIR_NOPM_2_20221004T225750_20221004T225803_C001  CS_OFFL_SIR_NOPM_2_20221004T225803_20021004T225803_C001  CS_OFFL_SIR_NOPM_2_20221004T225803_20021004T225803_C001  CS_OFFL_SIR_NOPM_2_20221004T233978_20221004T231958_C001  CS_OFFL_SIR_NOPM_2_20221004T233978_20221004T231958_C001  CS_OFFL_SIR_NOPM_2_20221004T232443_20221004T231958_C001  CS_OFFL_SIR_NOPM_2_20221004T232443_20221004T234013_C001  CS_OFFL_SIR_NOPM_2_20221004T232443_20221004T235528_C001  CS_OFFL_SIR_NOPM_2_20221004T232443_20221004T235528_C001  CS_OFFL_SIR_NOPM_2_20221004T012744_20221004T012750_C001  CS_OFFL_SIR_NOPM_2_20221004T012744_20221004T012750_C001  CS_OFFL_SIR_NOPM_2_20221004T012744_20221004T012750_C001  CS_OFFL_SIR_NOPM_2_20221004T012744_20221004T012750_C001  CS_OFFL_SIR_NOPM_2_20221004T012744_20221004T012750_C001  CS_OFFL_SIR_NOPM_2_20221004T012744_20221004T020940_C001  CS_OFFL_SIR_NOPM_2_20221004T004T20523_20221004T020940_C001  CS_OFFL_SIR_NOPM_2_20221004T004T20523_20221004T020940_C001  CS_OFFL_SIR_NOPM_2_20221004T004T20523_20221004T020940_C001  CS_OFFL_SIR_NOPM_2_20221004T004T20523_20221004T020940_C001  CS_OFFL_SIR_NOPM_2_20221004T004T20523_20221004T004T020940_C001  CS_OFFL_SIR_NOPM_2_20221004T004T020940_C001  CS_OFFL_SIR_NOPM_2	CS_OFFL_SIR_NOPM_2_20221004T223256_20221004T223347_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  Gr one or more records  GS_OFFL_SIR_NOPM_2_20221004T225750_20221004T225903_C001  GS_OFFL_SIR_NOPM_2_20221004T225807_20221004T225941_C001  GS_OFFL_SIR_NOPM_2_20221004T225807_20221004T225941_C001  GS_OFFL_SIR_NOPM_2_20221004T225907_20221004T225941_C001  GS_OFFL_SIR_NOPM_2_20221004T230736_20221004T231958_C001  GS_OFFL_SIR_NOPM_2_20221004T230736_20221004T231958_C001  GS_OFFL_SIR_NOPM_2_20221004T23443_20221004T234013_C001  GS_OFFL_SIR_NOPM_2_20221004T23528_20221004T235528_C001  GS_OFFL_SIR_NOPM_2_20221004T23528_20221004T235528_C001  GS_OFFL_SIR_NOPM_2_20221004T02744_20221004T02750_C001  GS_OFFL_SIR_NOPM_2_20221004T02744_20221004T02750_C001  GS_OFFL_SIR_NOPM_2_20221004T02744_20221004T02750_C001  GS_OFFL_SIR_NOPM_2_20221004T020817_20221004T020940_C001  GCG_Altimeter Range Guality, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records  GCGG_Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records  GCGG_Altimeter Range Guality, OCGG_Altimeter Range and Backscatter Quality Flags have been set for one or more records  GCGG_Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set	CS_OFFL_SIR_NOPM_2_20221004T223402_20221004T224949_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality of one or more records  CS_OFFL_SIR_NOPM_2_20221004T225807_20221004T225941_C001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T231958_C001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T231958_C001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T231958_C001  CS_OFFL_SIR_NOPM_2_20221004T232443_20221004T231958_C001  CS_OFFL_SIR_NOPM_2_20221004T232443_20221004T234013_C001  CS_OFFL_SIR_NOPM_2_20221004T232443_20221004T235286_C001  CS_OFFL_SIR_NOPM_2_20221004T235226_20221004T235528_C001  CS_OFFL_SIR_NOPM_2_20221004T02744_20221004T012750_C001  CS_OFFL_SIR_NOPM_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPM_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPM_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPM_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPM_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPM_2_20221004T020817_20221004T020955_C001  CS_OFFL_SIR_NOPM_2_20221004T020817_20221004T020955_C001  CS_OFFL_SIR_NOPM_2_20221004T020817_20221004T020955_C001  CS_OFFL_SIR_NOPM_2_20221004T0209317_20221004T020955_C001  CS_OFFL_SIR_NOPM_2_20221004T0209317_20221004T033139_C001  CS_OFFL_SIR_NOPM_2_20221004T033139_C001  CS_OFFL_SIR_NOPM_2_20221004T033139_C001  CS_OFFL_SIR_NOPM_2_20221004T033139_C001  CS_OFFL_SIR_NOPM_2_20221004T033139_C001  CS_OFFL_SIR_NOPM_2_20221004T033139_C001  CS_OFFL_SIR_NOPM_2_20221004T033139_C001  CS_OFFL_SIR_NOPM_2_20221004T033139_C001  CS_OFFL_SIR_NOPM_2_20221004T033139_C001  CS_OFFL_SIR_NOPM_2_20221004T033139_C001  CS_OFFL_SIR_NOPM_2_20221004T031357_0221004T033139_C001  CS_OFFL_SIR_NOPM_2_20221004T031357_0221004T033139_C001  CS_OFFL_SIR_NOPM_2_20221004T061357_0221004T061924_C001  CS_OFFL_SIR_NOPM_2_20221004T061357_0221004T061924_C001  CS_OFFL_SIR_NOPM_2_20221004T061357_0221004T061924_C001  CS_OFFL_SIR_NOPM_2_20221004T061357_0221004T061924_C001  CS_OFFL_SIR_NOPM_2_20221004T061357_0221004T061924_C001  CS_OFFL_SIR_NOPM_2_20221004T061357_02221004T061924_C001  CS_OFFL_SIR_NOPM_2_20221004T061357_0221004T061924_C001  CS_OFFL_SIR_NOPM_2_20221004T061357_0221004T0	CS_OFFL_SIR_NOPM_2_20221004T225218_20221004T225731_C001		
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T231958_C001  CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T231958_C001  CS_OFFL_SIR_NOPM_2_20221004T232443_20221004T234013_C001  CS_OFFL_SIR_NOPM_2_20221004T232443_20221004T234013_C001  CS_OFFL_SIR_NOPM_2_20221004T232443_20221004T235528_C001  CS_OFFL_SIR_NOPM_2_20221004T23526_20221004T235528_C001  CS_OFFL_SIR_NOPM_2_20221004T012744_20221004T012750_C001  CS_OFFL_SIR_NOPM_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPM_2_20221004T0304112_20221004T0304139_C001  CS_OFFL_SIR_NOPM_2_20221004T03041112_20221004T0304139_C001  CS_OFFL_SIR_NOPM_2_20221004T03041112_20221004T0304139_C001  CS_OFFL_SIR_NOPM_2_20221004T03041112_20221004T0304139_C001  CS_OFFL_SIR_NOPM_2_20221004T03041112_20221004T0304139_C001  CS_OFFL_SIR_NOPM_2_20221004T03041112_20221004T0304139_C0	CS_OFFL_SIR_NOPM_2_20221004T225750_20221004T225803_C001		
S_OFFL_SIR_NOPM_2_20221004T230736_20221004T231958_CO01  and Backscatter Quality COG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Cs_OFFL_SIR_NOPM_2_20221004T232443_20221004T234013_CO01  Cs_OFFL_SIR_NOPM_2_20221004T235226_20221004T235528_CO01  Cs_OFFL_SIR_NOPM_2_20221004T235226_20221004T235528_CO01  Cs_OFFL_SIR_NOPM_2_20221004T012744_20221004T012750_CO01  Cs_OFFL_SIR_NOPM_2_20221004T012744_20221004T012750_CO01  Cs_OFFL_SIR_NOPM_2_20221004T020817_20221004T020940_CO01  Cs_OFFL_SIR_NOPM_2_20221004T020817_20221004T020940_CO01  Cs_OFFL_SIR_NOPM_2_20221004T02053_20221004T020940_CO01  Cs_OFFL_SIR_NOPM_2_20221004T02053_20221004T034139_CO01  Cs_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_CO01  Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Cs_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_CO01  Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be	CS_OFFL_SIR_NOPM_2_20221004T225807_20221004T225941_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_20221004T235226_20221004T235528_C001  CS_OFFL_SIR_NOPM_2_20221004T012744_20221004T012750_C001  CS_OFFL_SIR_NOPN_2_20221004T012744_20221004T012750_C001  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T081924_C001  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T081924_C001  CS_OFFL_SIR_NOPR_2_20221004T081924_C001  CS_OFFL_SIR_NOPR_2_20221004T081924_C001  CS_OFFL_SIR_NOPR_2_20221004T081924_C001  CS_OFFL_SIR_NOPR_2_20221004T081924_C001	CS_OFFL_SIR_NOPM_2_20221004T230736_20221004T231958_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPN_2_20221004T012744_20221004T012750_C001  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPN_2_20221004T220523_20221004T220625_C001  CS_OFFL_SIR_NOPN_2_20221004T220523_20221004T220625_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T0111635_20221004T111733_C001  CCCOM Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001  CCCOM Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOM Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOM Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOM Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOM Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOM Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOM Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOM Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOM Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOM Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOM Altimeter Range A	CS_OFFL_SIR_NOPM_2_20221004T232443_20221004T234013_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  CS_OFFL_SIR_NOPN_2_20221004T220523_20221004T220625_C001  CS_OFFL_SIR_NOPN_2_20221004T220523_20221004T220625_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20	CS_OFFL_SIR_NOPM_2_20221004T235226_20221004T235528_C001		
Backscatter Quality  CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001  Backscatter Quality  CS_OFFL_SIR_NOPN_2_20221004T220523_20221004T220625_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T0111635_20221004T111733_C001  Backscatter Quality  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_20221004T012744_20221004T012750_C001		
CS_OFFL_SIR_NOPN_2_20221004T220523_20221004T220625_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T117733_C001	CS_OFFL_SIR_NOPN_2_20221004T020817_20221004T020940_C001		
Backscatter Quality  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001  Backscatter Quality  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001  CS_OFFL_SIR_NOPR_2_20221004T111635_20221004T111733_C001  Backscatter Quality  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPR_2_20221004T111635_20221004T111733_C001  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags have	CS_OFFL_SIR_NOPN_2_20221004T220523_20221004T220625_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001  and Backscatter Quality, OCOG Altimeter Range and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPR_2_20221004T111635_20221004T111733_C001  and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and Bac	CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001		
CS_OFFL_SIR_NOPR_2_20221004T111635_20221004T111733_C001 and Backscatter Quality, OCOG Altimeter and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPR_2_20221004T111635_20221004T111733_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been

### L2 Quality Flags (20 Hz PLRM)

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

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

	I=	I=
Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20221004T000919_20221004T001400_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_20221004T021033_20221004T021424_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_20221004T021932_20221004T022009_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_20221004T023153_20221004T023414_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_20221004T031015_20221004T031157_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_20221004T043924_20221004T044048_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_20221004T044918_20221004T045059_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_20221004T052722_20221004T052838_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_20221004T060142_20221004T060222_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_20221004T072130_20221004T072301_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_20221004T073534_20221004T073820_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_20221004T093948_20221004T094224_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_20221004T094417_20221004T095043_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_20221004T121419_20221004T121524_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_20221004T121610_20221004T121700_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_20221004T123638_20221004T124150_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_20221004T125720_20221004T125916_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_20221004T133419_20221004T133806_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_20221004T133845_20221004T133932_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_20221004T135333_20221004T135841_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_20221004T143654_20221004T143812_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_20221004T144601_20221004T144843_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_20221004T162622_20221004T162752_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_20221004T175606_20221004T175929_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_20221004T181906_20221004T182028_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

Co. CPFL SR NOPN 2 202104718456 202104718560 COS1  COST Alment Regr Daily P. H.M.  COST Alment	CS_OFFL_SIR_NOPN_2_20221004T182516_20221004T182533_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
Comparison   Com	CS_OFFL_SIR_NOPN_2_20221004T184216_20221004T184307_C001		
Coco Descentification   Coco	CS_OFFL_SIR_NOPN_2_20221004T185455_20221004T185824_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
De OPITL SIR NOPITL 2 202210641194396 202210641208869, 2001  OSC SIR SIR NOPITL 2 20221064120891 200210641208869, 2001  OSC SIR SIR NOPITL 2 20221064120892 20021064120899 (2001)  OSC SIR SIR NOPITL 2 20221064121139 20021064120899 (2001)  OSC SIR SIR NOPITL 2 20221064121139 20021064121399 (2001)  OSC SIR SIR NOPITL 2 20221064121139 (20021064120899 (2001)  OSC SIR SIR NOPITL 2 2022106412139 (20021064120899 (2001)  OSC SIR SIR NOPITL 2 2022106412139 (20021064120899 (2001)  OSC SIR SIR NOPITL 2 2022106412139 (2001)  OSC SIR SIR NOPITL 2 202210641239 (2001)  OS	CS_OFFL_SIR_NOPN_2_20221004T193506_20221004T193826_C001	OCOG Altimeter Range Quality PLRM,	
CSD_OFFL_SRLNOPN_2_002210x1120x120x120x120x120x120x120x120x	CS_OFFL_SIR_NOPN_2_20221004T194346_20221004T194509_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
De GRESSER OARDEN 2. 2022/004720442 2022/004721338_0001  CB_OFFL.SR_NOPN_2.2022/004721338_0001  CB_OFFL.SR_NOPN_2.2022/004721238_0001  CB_OFFL.SR_NOPN_2.2022/0047212222_2022/004721238_0001  CB_OFFL.SR_NOPN_2.2022/0047212222_2022/004721238_0001  CB_OFFL.SR_NOPN_2.2022/0047212222_2022/004721238_0001  CB_OFFL.SR_NOPN_2.2022/004722222_2022/0047223940_0001  CB_OFFL.SR_NOPN_2.2022/004722222_2022/0047223940_0001  CB_OFFL.SR_NOPN_2.2022/0047223940_2022/004723945_0001  CB_OFFL.SR_NOPN_2.2022/0047223407_000122_0001  CB_OFFL.SR_NOPN_2.2022/004700002_2022/0047000124_0001  CB_OFFL.SR_NOPN_2.2022/004700002_2022/0047000124_0001  CB_OFFL.SR_NOPN_2.2022/004700002_2022/0047000124_0001  CB_OFFL.SR_NOPR_2.2022/004700002_2022/0047000124_0001  CB_OFFL.SR_NOPR_2.2022/0047000002_2022/0047000124_0001  CB_OFFL.SR_NOPR_2.2022/0047000002_2022/0047000124_0001  CB_OFFL.SR_NOPR_2.2022/0047000002_2022/0047000124_0001  CB_OFFL.SR_NOPR_2.2022/0047000002_2022/0047000124_0001  CB_OFFL.SR_NOPR_2.2022/0047000002_2022/0047000124_0001  CB_OFFL.SR_NOPR_2.2022/0047000002_2022/0047000124_0001  CB_OFFL.SR_NOPR_2.2022/0047000004_2022/0047000124_0001  CB_OFFL.SR_NOPR_2.2022/0047000142_2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000142_2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000142_2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000142_2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000142_2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000142_2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000142_2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000142_2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/004700145_0001  CB_OFFL.SR_NOPR_2.2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000145_00014000145_0001  CB_OFFL.SR_NOPR_2.2022/0047000145_00014000145_0001  CB_OFFL.SR_	CS_OFFL_SIR_NOPN_2_20221004T200521_20221004T200846_C001		
OCG Bestscarter Caustry   Final Price   Coccident   Co	CS_OFFL_SIR_NOPN_2_20221004T202442_20221004T202703_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backsacter Quality PLRM. COOR Affineties Range and Blacksacter Quality PLRM. CS OFFL SIR NOPN 2 202210647225903 2022104725907 CO01  CS OFFL SIR NOPN 2 20221064703092 2022104703092 CO01  CS OFFL SIR NOPN 2 20221064703092 2022104703092 CO01  CS OFFL SIR NOPR 2 20221064703724 20221047004818. CO01  CS OFFL SIR NOPR 2 20221064703724 20221047004818. CO01  CS OFFL SIR NOPR 2 20221064703724 20221047004818. CO01  CS OFFL SIR NOPR 2 20221064703724 20221047004819. CO01  CS OFFL SIR NOPR 2 20221064703714 2022104700489 CO01  CS OFFL SIR NOPR 2 20221064703714 2022104700492 CO01  CS OFFL SIR NOPR 2 20221064703714 2022104700493 CO01  CS OFFL SIR NOPR 2 20221064703714 202104700493 CO01  CS	CS_OFFL_SIR_NOPN_2_20221004T211136_20221004T211339_C001		
OCOG Backscarter Cultify Figs From Processor CS_OFFL_SIR_NOPR_2_20221041723425_20221041720145_CO1  OCOG Allimeter Range SSIA_SVH and Backscatter Quality Flags and Backscatter Quality Fla	CS_OFFL_SIR_NOPN_2_20221004T212222_20221004T212350_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
os_offl_sir_NOPN_2_2022104T02942_2022104T03724_C001  S_offl_sir_NOPN_2_2022104T02942_2022104T03724_C001  S_offl_sir_NOPN_2_2022104T03724_2022104T03724_C001  S_offl_sir_NOPN_2_2022104T03724_2022104T03724_C001  S_offl_sir_NOPN_2_2022104T03724_2022104T03724_C001  S_offl_sir_NOPN_2_2022104T03724_2022104T040458_C001  S_offl_sir_NOPN_2_2022104T03724_2022104T040458_C001  S_offl_sir_NOPN_2_2022104T03724_2022104T00458_C001  S_offl_sir_NOPN_2_2022104T03724_2022104T00458_C001  S_offl_sir_NOPN_2_2022104T03724_2022104T00458_C001  S_offl_sir_NOPN_2_2022104T03724_2022104T00458_C001  S_offl_sir_NOPN_2_2022104T03724_2022104T00458_C001  S_offl_sir_NOPN_2_2022104T004703724_2022104T00458_C001  S_offl_sir_NOPN_2_2022104T004720_2022104T00458_C001  S_offl_sir_NOPN_2_2022104T004704_2022104T00458_C001  S_offl_sir_NOPN_2_2022104T004704_2022004T004704_2000  S_offl_sir_NOPN_2_2022104T004704_2000  S_offl_sir_NOPN_2_202210	CS_OFFL_SIR_NOPN_2_20221004T225803_20221004T225807_C001		
SG_OFFL_SIR_NOPR_2_20221004T03502_2022104T00724_C001  and Backscatter Quality PLRM. COG Altimeter Range and Backscatter Quality PLRM. COG Backscat	CS_OFFL_SIR_NOPN_2_20221004T225942_20221004T230145_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
SS_OFFL_SIR_NOPR_2_20221004T003704_20221004T004754_0001  Allmeier Range and Backscatter Quality PLRM. CS_OFFL_SIR_NOPR_2_20221004T003724_20221004T004254_0001  CS_OFFL_SIR_NOPR_2_20221004T003724_20221004T004254_0001  CS_OFFL_SIR_NOPR_2_20221004T004720_20221004T004816_C001  CS_OFFL_SIR_NOPR_2_20221004T004720_20221004T004816_C001  CS_OFFL_SIR_NOPR_2_20221004T005714_20221004T00456_C001  CS_OFFL_SIR_NOPR_2_20221004T005714_20221004T00456_C001  CS_OFFL_SIR_NOPR_2_20221004T005714_20221004T00456_C001  CS_OFFL_SIR_NOPR_2_20221004T005714_20221004T00456_C001  CS_OFFL_SIR_NOPR_2_20221004T005714_20221004T00456_C001  CS_OFFL_SIR_NOPR_2_20221004T0047012018_C001  CS_OFFL_SIR_NOPR_2_20221004T005714_20221004T00456_C001  CS_OFFL_SIR_NOPR_2_20221004T0047012018_C001  CS_OFFL_SIR_NOPR_2_20221004T0047012018_C001  CS_OFFL_SIR_NOPR_2_20221004T020033_20221004T02002_C001  CS_OFFL_SIR_NOPR_2_20221004T020033_20221004T02002_C001  CS_OFFL_SIR_NOPR_2_20221004T020033_20221004T02002_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T02002_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T030116_C001  CS_OFFL_SIR_NOPR_2_20221004T030116_C001  CS_OFFL_SIR_NOPR_2_20221004T030116_C001  CS_OFFL_SIR_NOPR_2_20221004T030116_C001  CS_OFFL_SIR_NOPR_2_20221004T030116_C001  CS_OFFL_SIR_NOPR_2	CS_OFFL_SIR_NOPN_2_20221004T234325_20221004T234541_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20221004T003724_20221004T004254_C001  All meter Range and Backscatter Quality PLRM. COCG All meter Range Quality PLRM. COCG Backscatter Quality PLRM. COCG Altmeter Range and Backscatter Quality PLRM. COCG Backscatter Quality PLRM	CS_OFFL_SIR_NOPR_2_20221004T003602_20221004T003724_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCG Backscatter Quality PLRM. OCG Allmeter Range. SSHA. SWH and Backscatter Quality PLRM. OCG Altmeter Range and Backscatter Quality PLRM. OCG Altmeter Range. SSHA. SWH and Backscatter Quality PLRM. OCG Altmeter Range. SSHA. SWH and Backscatter Quality PLRM. OCG Altmeter Range. SSHA. SWH and Backscatter Quality PLRM. OCG Altmeter Range. SSHA. SWH and Backscatter Quality PLRM. OCG Altmeter Range. SSHA. SWH and Backscatter Quality PLRM. OCG Altmeter Range. SSHA. SWH and Backscatter Quality PLRM. OCG Altmeter Range. SSHA. SWH and Backscatter Quality PLRM. OCG Altmeter Range. SSHA. SWH and Backscatter Quality PLRM. OCG Altmeter Range. SSHA. SWH and Backscatter Quality PLRM. OCG Backscatter Q	CS_OFFL_SIR_NOPR_2_20221004T003724_20221004T004254_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 PLRM. OCOG Altimeter Range. SSHA. SWH and Backscatter Quality PLRM. OCOG Altimeter Range SSHA. SWH and Backscatter Quality PLRM. OCOG Altimeter Range SSHA. SWH and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPR_2_20221004T004720_20221004T004818_C001		
CS_OFFL_SIR_NOPR_2_20221004T011843_20221004T012018_C001  CS_OFFL_SIR_NOPR_2_20221004T020033_20221004T020202_C001  CS_OFFL_SIR_NOPR_2_20221004T020033_20221004T020202_C001  CS_OFFL_SIR_NOPR_2_20221004T020033_20221004T020202_C001  CS_OFFL_SIR_NOPR_2_20221004T020033_20221004T020202_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T021932_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T021932_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T021932_C001  CS_OFFL_SIR_NOPR_2_20221004T025751_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T035136_20221004T035959_C001  CS_OFFL_SIR_NOPR_2_20221004T035136_20221004T035959_C001  CS_OFFL_SIR_NOPR_2_20221004T047711_20221004T043924_C001  CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T045212_	CS_OFFL_SIR_NOPR_2_20221004T005640_20221004T005712_C001		
CS_OFFL_SIR_NOPR_2_20221004T011843_20221004T02018_C001  Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM  CS_OFFL_SIR_NOPR_2_20221004T020033_20221004T020202_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T021932_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T021932_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T021932_C001  CS_OFFL_SIR_NOPR_2_20221004T025751_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T030136_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T035136_20221004T035959_C001  CS_OFFL_SIR_NOPR_2_20221004T035136_20221004T035959_C001  CS_OFFL_SIR_NOPR_2_20221004T043711_20221004T043924_C001  CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_	CS_OFFL_SIR_NOPR_2_20221004T005714_20221004T010456_C001		
CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T03016_C001  CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T025751_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T035136_20221004T035959_C001  CS_OFFL_SIR_NOPR_2_20221004T035136_20221004T03924_C001  CS_OFFL_SIR_NOPR_2_20221004T043711_20221004T043924_C001  CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045310_C002401000000000000000000000000000000000	CS_OFFL_SIR_NOPR_2_20221004T011843_20221004T012018_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
And Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM  CS_OFFL_SIR_NOPR_2_20221004T025751_20221004T030016_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001  CS_OFFL_SIR_NOPR_2_20221004T035136_20221004T035959_C001  CS_OFFL_SIR_NOPR_2_20221004T043711_20221004T043924_C001  CS_OFFL_SIR_NOPR_2_20221004T043711_20221004T043924_C001  CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatte	CS_OFFL_SIR_NOPR_2_20221004T020033_20221004T020202_C001		
CS_OFFL_SIR_NOPR_2_20221004T03016_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quali	CS_OFFL_SIR_NOPR_2_20221004T021425_20221004T021932_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  OCOG Backscatter Quality  DCS_OFFL_SIR_NOPR_2_20221004T035136_20221004T035959_C001  CS_OFFL_SIR_NOPR_2_20221004T035136_20221004T035959_C001  CS_OFFL_SIR_NOPR_2_20221004T043711_20221004T043924_C001  CS_OFFL_SIR_NOPR_2_20221004T043711_20221004T043924_C001  CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001	CS_OFFL_SIR_NOPR_2_20221004T025751_20221004T030016_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20221004T035136_20221004T035959_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM  CS_OFFL_SIR_NOPR_2_20221004T043711_20221004T043924_C001  CS_OFFL_SIR_NOPR_2_20221004T043711_20221004T043924_C001  CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range an	CS_OFFL_SIR_NOPR_2_20221004T034112_20221004T034139_C001		
CS_OFFL_SIR_NOPR_2_20221004T043711_20221004T043924_C001  and Backscatter Quality PLRM, 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_NOPR_2_20221004T045100_20221004T045212_C001  CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001  Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags 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_NOPR_2_20221004T035136_20221004T035959_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045212_C001  and Backscatter Quality PLRM, OCOG Altimeter Range 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_20221004T053037_20221004T053810_C001  and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range 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_20221004T043711_20221004T043924_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Quality F	CS_OFFL_SIR_NOPR_2_20221004T045100_20221004T045212_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPR_2_20221004T053037_20221004T053810_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS OFFL SIR NOPR 2 20221004T054147 20221004T054347 C001	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
GS_0FFL_SIK_NOFK_2_202210041034141_202210041034341_0001	OCOG Backscatter Quality  Ocean Altimeter Range, SSHA, SWH	more records
CS_OFFL_SIR_NOPR_2_20221004T061357_20221004T061924_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20221004T062927_20221004T063342_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_20221004T065527_20221004T065701_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_20221004T080831_20221004T081210_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_20221004T093250_20221004T093947_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_20221004T100839_20221004T101320_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_20221004T105725_20221004T105936_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_20221004T120949_20221004T121419_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_20221004T134634_20221004T135333_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_20221004T143434_20221004T143653_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_20221004T144843_20221004T145055_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_20221004T152848_20221004T153353_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_20221004T162753_20221004T162943_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_20221004T170705_20221004T171556_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_20221004T175128_20221004T175606_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_20221004T180612_20221004T180958_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_20221004T183939_20221004T184201_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_20221004T184639_20221004T185454_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_20221004T193138_20221004T193506_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_20221004T193934_20221004T193937_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_20221004T194510_20221004T194911_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_20221004T202724_20221004T203504_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_20221004T212351_20221004T212932_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_20221004T220626_20221004T221335_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_20221004T230145_20221004T230736_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_20221004T232120_20221004T232152_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_20221004T232247_20221004T232443_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_20221004T234541_20221004T235225_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

### L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors:

168

### 5.7 L2 Ocean Retracking Quality Check

#### L2 Retracking Flags (20 Hz)

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

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

Number of products with errors: 55

### L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

### 7. NOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	149	146	7	139	0
SIR_NOPR1B	99	97	0	97	0
SIR_NOPN1B	82	80	0	80	0
SIR_NOPM_2	149	148	102	46	0
SIR_NOPR_2	99	98	28	69	1
SIR NOPN 2	84	83	31	52	0

### 7.1 QCC Errors

Number of QCC reports with errors:

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			

### 7.2 QCC Warnings

Number of QCC reports with warnings

	_		_		
Total number	of	occurrences	of	each	warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC
SIR_NOPM1B	139	0	0	0	0	0	0
SIR_NOPM_2	0	0	37	36	2	38	0
SIR_NOPN1B	80	0	0	0	0	0	0
SIR_NOPN_2	0	0	9	25	4	24	24
SIR_NOPR1B	95	0	0	0	0	0	0
SIR_NOPR_2	0	1	35	41	0	34	29

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCD	RPEPOPFDPLRMSINNCDI	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	36	1	34	0	0	0	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	17	0	0	0	18	0	26
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	19	0	0	42	0	48	0

_								
	Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
	SIR_NOPM1B	0	0	0	0	0	0	0
	SIR_NOPM_2	26	0	0	4	21	0	3
- 1	SIR_NOPN1B	0	0	0	0	0	0	0
	SIR_NOPN_2	0	0	20	12	34	41	29
- 1	SIR_NOPR1B	0	0	0	0	0	0	0
	SIR NOPR 2	0	40	0	3	56	40	a

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	•
SIR_NOPM1B	0	0	0	0	0	0	
SIR_NOPM_2	32	0	2	0	0	0	
SIR_NOPN1B	0	0	0	0	37	0	
SIR_NOPN_2	20	22	12	0	0	0	
SIR_NOPR1B	0	0	0	0	97	3	
SIR_NOPR_2	43	43	3	3	0	0	

Test Description Key:						
Abbreviation	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)				
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean				
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean				
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample				
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter				
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter				

## 7.3 Missing QCC Reports

Number of products with missing QCC reports: