

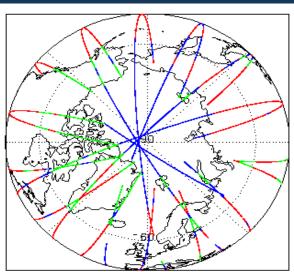
# 1. Overview

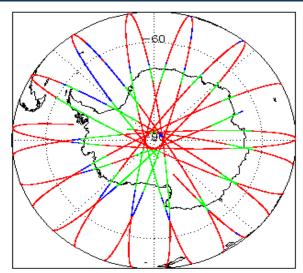
Report Production:	17-Mar-2020
Processor Used:	CryoSat Ocean Processor
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

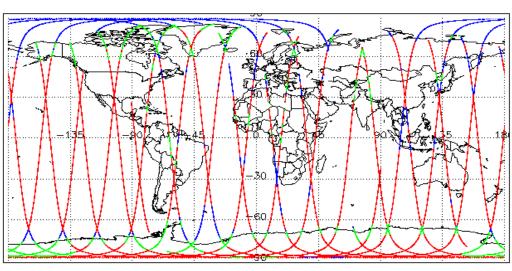
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement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

Mission / Instrument News		
15-Mar-2020	None	
16-Mar-2020	None	
17-Mar-2020	Nothing planned	

# 2. Global Coverage









# 3. Instrument Configuration

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

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

# 4. NOP Level 1B Data Quality Check

## 4.1 L1B Product Format Check

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

#### 4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The I1b\_proc\_flag\_hr flag is currently set all L1B IOPR and IOPN products because the I1b\_processing\_quality\_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the pert release

Number of products with errors:

#### 4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

#### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

#### 4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

Ο

#### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

14

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200316T054817_20200316T055741_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200316T174947_20200316T175835_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200316T212558_20200316T214144_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200316T092607_20200316T092725_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200316T182436_20200316T182900_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200316T191413_20200316T191624_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200316T211055_20200316T211220_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200316T223049_20200316T223348_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200316T223422_20200316T223632_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200316T111117_20200316T111157_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200316T170618_20200316T171227_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200316T172604_20200316T172754_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200316T222623_20200316T222726_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200316T222931_20200316T223048_C001	Loss of Echo	The tracking echo is missing for one or more records

# 5. NOP Level 2 Data Quality Check

### 5.1 L2 Product Format Check

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

Number of products with errors:

0

#### 5.2 L2 Product Header Analysis

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

Number of products with errors:

0

#### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

#### 5.4 L2 Auxiliary Correction Error Check

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

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

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

Number of products with errors:

38

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200316T001136_20200316T001434_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200316T002104_20200316T002351_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

CS_OFFL_SIR_NOPN_2_20200316T010146_20200316T010439_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200316T010439_20200316T010521_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200316T025143_20200316T025300_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200316T041748_20200316T041914_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200316T051718_20200316T052022_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_20200316T065020_20200316T065327_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_20200316T065618_20200316T065959_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_20200316T083056_20200316T083330_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_20200316T092607_20200316T092725_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200316T100552_20200316T101209_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200316T110542_20200316T110749_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_20200316T114817_20200316T114951_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_20200316T115845_20200316T120044_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200316T124454_20200316T124939_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200316T133634_20200316T133903_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_20200316T150732_20200316T151123_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_20200316T155759_20200316T155856_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20200316T164715_20200316T165028_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_20200316T182436_20200316T182900_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_20200316T183446_20200316T183605_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_20200316T191413_20200316T191624_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200316T201218_20200316T201405_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200316T205628_20200316T205729_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_20200316T215025_20200316T215250_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_20200316T223049_20200316T223348_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200316T223422_20200316T223632_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_20200316T232029_20200316T232249_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_20200316T141516_20200316T142525_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_20200316T154759_20200316T154937_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_20200316T155856_20200316T160645_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_20200316T173827_20200316T174946_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_20200316T191825_20200316T192618_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_20200316T205730_20200316T210258_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_20200316T222623_20200316T222726_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_20200316T222931_20200316T223048_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPR_2_20200316T223633_20200316T224326_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:

### 5.6 L2 Measurement Quality Flag Check

#### L2 Quality Flags (20Hz)

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200315T234954_20200316T001131_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_20200316T001434_20200316T001837_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_20200316T001844_20200316T001852_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_20200316T002434_20200316T005100_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_20200316T012532_20200316T015109_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_20200316T015225_20200316T015751_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_20200316T015758_20200316T020123_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_20200316T020338_20200316T023719_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_20200316T030110_20200316T032150_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_20200316T032416_20200316T033052_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_20200316T033226_20200316T034029_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_20200316T034308_20200316T041748_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_20200316T043228_20200316T043312_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_20200316T050052_20200316T051020_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_20200316T051201_20200316T051717_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_20200316T052238_20200316T054531_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_20200316T054817_20200316T055741_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_20200316T060934_20200316T061017_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_20200316T061052_20200316T061352_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_20200316T062118_20200316T062612_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_20200316T062832_20200316T063423_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_20200316T063611_20200316T064926_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_20200316T065328_20200316T065617_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_20200316T070211_20200316T072936_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_20200316T073116_20200316T073420_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_20200316T075232_20200316T075922_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_20200316T075936_20200316T082354_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_20200316T083330_20200316T083524_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_20200316T083744_20200316T084018_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_20200316T084156_20200316T084636_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_20200316T084727_20200316T085848_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_20200316T085855_20200316T090920_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_20200316T092726_20200316T093121_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_20200316T093249_20200316T093452_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_20200316T093627_20200316T094810_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_20200316T095450_20200316T100551_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_20200316T101209_20200316T101441_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_20200316T101504_20200316T101930_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_20200316T102111_20200316T103616_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_20200316T103756_20200316T104125_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_20200316T112320_20200316T114739_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_20200316T114952_20200316T115845_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_20200316T120045_20200316T122456_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200316T125156_20200316T132658_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_20200316T132922_20200316T133101_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_20200316T133209_20200316T133633_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_20200316T143341_20200316T150557_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200316T151123_20200316T151712_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_20200316T151837_20200316T154511_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200316T160953_20200316T164457_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_20200316T165029_20200316T165543_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_20200316T165720_20200316T170027_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_20200316T170228_20200316T170617_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_20200316T171421_20200316T171646_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

Dept. Sign. 1999; 3: 2000018719407 2000018719405 CDD	CS_OFFL_SIR_NOPM_2_20200316T173301_20200316T173544_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_OPT_SET_NOM_2_2000316716051_2003316716351_COS1   CB_OPT_SET_NOM_2_2000316716051_2003316716351_COS1   CB_OPT_SET_NOM_2_2000316716051_2003316716352_COS1   CB_OPT_SET_NOM_2_2000316716051_2003316716352_COS1   CB_OPT_SET_NOM_2_2000316716051_2003316716352_COS1   CB_OPT_SET_NOM_2_2000316716051_2003316716352_COS1   CB_OPT_SET_NOM_2_2000316716051_2003316716352_COS1   CB_OPT_SET_NOM_2_2000316716051_2003316716352_COS1   CB_OPT_SET_NOM_2_2000316716052_COS1   CB_OPT_SET_NOM_2_2000316716053_COS1   CB_OPT_SET_NOM_2_2000316716053_C	CS_OFFL_SIR_NOPM_2_20200316T174947_20200316T175835_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backbacker (Saulty   Service Rungs (Saulty Service Rungs and Rungs (Saulty Service Rungs and Rungs (Saulty Rung) and Rungs (	CS_OFFL_SIR_NOPM_2_20200316T180121_20200316T182351_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Cap Cort   Sirk NOPM 2 20202161 19004 2000016119493   Cited   Cap Cort   Ca	CS_OFFL_SIR_NOPM_2_20200316T182900_20200316T183029_C001		
Se, OFFL, SIR, NOPML 2, 202003161198560_00003181198580_001  Se, OFFL SIR, NOPML 2, 202003161198560_00003181198580_001  Core All Rimselle Regul, 2818A, 63VH and Behaviorate Charley Flags have been self-concerned and and a concerned and a c	CS_OFFL_SIR_NOPM_2_20200316T183036_20200316T183445_C001		
Section   Sect	CS_OFFL_SIR_NOPM_2_20200316T183630_20200316T184953_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backeaster Quality, CODG Alliment Range, SSAB, SWH and Backeaster Quality Plags have been all Range and Backeaster Quality Plags	CS_OFFL_SIR_NOPM_2_20200316T185120_20200316T185859_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscater Quality Coop Afference Range and Backscater Quality Flags have been self-control or more records.  CB_OFFL_SIR_NOPM1_2_20200316T193943_20200316T200231_C001  CB_OFFL_SIR_NOPM1_2_20200316T200400_20200316T20027_C001  CB_OFFL_SIR_NOPM1_2_20200316T200400_20200316T20027_C001  CB_OFFL_SIR_NOPM1_2_20200316T200407_20200316T20027_C001  CB_OFFL_SIR_NOPM1_2_20200316T200407_20200316T20027_C001  CB_OFFL_SIR_NOPM1_2_20200316T200407_20200316T200307_C001  CB_OFFL_SIR_NOPM1_2_20200316T200407_20200316T200307_C001  CB_OFFL_SIR_NOPM1_2_20200316T200307_C001  CB_OFFL_SIR_NOPM1_2_20200316T200307_C001  CB_OFFL_SIR_NOPM1_2_20200316T200307_C001  CB_OFFL_SIR_NOPM1_2_20200316T200307_C001  CB_OFFL_SIR_NOPM1_2_20200316T20307_C001  CB_OFFL_SIR_NOPM1_2_20200316T20307_C001  CB_OFFL_SIR_NOPM1_2_20200316T20307_C001  CB_OFFL_SIR_NOPM1_2_20200316T20307_C001  CB_OFFL_SIR_NOPM1_2_20200316T21430_2020316T21256_C001  CB_OFFL_SIR_NOPM1_2_20200316T21430_2020316T21256_C001  CB_OFFL_SIR_NOPM1_2_20200316T21430_2020316T21256_C001  CB_OFFL_SIR_NOPM1_2_20200316T21430_2020316T21256_C001  CB_OFFL_SIR_NOPM1_2_20200316T21430_2020316T21256_C001  CB_OFFL_SIR_NOPM1_2_20200316T21430_2020316T21430_C001  CB_OFFL_SIR_NOPM1_2_20200316T21430_2020316T21430_C001  CB_OFFL_SIR_NOPM1_2_20200316T21430_2020316T21300_C001  CB_OFFL_SIR_NOPM1_2_20200316T21430_2020316T22300_C001  CB_OFFL_SIR_NOPM1_2_20200316T21430_2020316T22300_C001  CB_OFFL_SIR_NOPM1_2_20200316T21430_2020316T22300_C001  CB_OFFL_SIR_NOPM1_2_20200316T21430_2020316T22300_C001  CB_OFFL_SIR_NOPM1_2_20200316T21300_2020316T22300_C001  CB_OFFL_SIR_NOPM1_2_20200316T21300_2020316T22300_C001  CB_OFFL_SIR_NOPM1_2_20200316T21300_2020316T22300_C001  CB_OFFL_SIR_NOPM1_2_20200316T21300_2020316T22300_C001  CB_OFFL_SIR_NOPM1_2_20200316T21300_2020316T22300_C001  CB_OFFL_SIR_NOPM1_2_20200316T2300_C0016T2300_C001  CB_OFFL_SIR_NOPM1_2_20200316T2300_C0016T2300_C001  CB_OFFL_SIR_NOPM1_2_20200316T2300_C0016T2300_C001  CB_OFFL_SIR_NOPM1_2_20200316T2300_C0016T2300_C001  CB_OFFL_SIR_NOPM1_2_20200316T2300_C0016T2300_C001  CB_OFFL_	CS_OFFL_SIR_NOPM_2_20200316T185954_20200316T190401_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
ond flackscatter Quality COCG Affinisher Range and Blackscatter Quality Flegs have been set control more record.  CS_OFFL_SIR_NOPM 2_00000161720047_20000161720027_0001  CS_OFFL_SIR_NOPM 2_00000161720031_20000161720007_0001  CS_OFFL_SIR_NOPM 2_00000161720031_20000161720001_0001  CS_OFFL_SIR_NOPM 2_00000161720031_20000161720001_0001  CS_OFFL_SIR_NOPM 2_00000161720031_20000161720001_0001  CS_OFFL_SIR_NOPM 2_00000161720031_20000161720001_0001  CS_OFFL_SIR_NOPM 2_00000161720031_20000161720001_0001  CS_OFFL_SIR_NOPM 2_00000161720031_20000161720001_0001  CS_OFFL_SIR_NOPM 2_00000161720001_0001  CS_OFFL_SIR_NOPM 2_00000161720001_0001  CS_OFFL_SIR_NOPM 2_00000161720001_0001  CS_OFFL_SIR_NOPM 2_00000161720001_0001  CS_OFFL_SIR_NOPM 2_00000161720001_0001  CS_OFFL_SIR_NOPM 2_000001617200001_0001  CS_OFFL_SIR_NOPM 2_0000016172000010017200001  CS_OFFL_SIR_NOPM 2_0000016172000010017200001  CS_OFFL_SIR_NOPM 2_0000016172000010017200001  CS_OFFL_SIR_NOPM 2_0000016172000010017200001  CS_OFFL_SIR_NOPM 2_0000016172000010017200001  CS_OFFL_SIR_NOPM 2_00000161720000100172000010017200001  CS_OFFL_SIR_NOPM 2_00000161720000100172000010017200001001720000100172000010017200001001720000100172000010017200001001720000100172000010000000100000000	CS_OFFL_SIR_NOPM_2_20200316T193021_20200316T193403_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20200316T20034T_202031ET201217_CD01  CS_OFFL_SIR_NOPM_2_20200316T202031_202031ET203301_CD01  All fackscatter Quality, OCOG All fameter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200316T202031_202031ET203301_CD01  All fackscatter Quality, OCOG All fameter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200316T20334_2020316T20354C_0D01  CS_OFFL_SIR_NOPM_2_20200316T21415_2020316T212554_CD01  CS_OFFL_SIR_NOPM_2_20200316T21415_2020316T21454_CD01  CS_OFFL_SIR_NOPM_2_20200316T214258_2020316T21454_CD01  CS_OFFL_SIR_NOPM_2_20200316T214258_2020316T21454_CD01  CS_OFFL_SIR_NOPM_2_20200316T214258_2020316T21454_CD01  CS_OFFL_SIR_NOPM_2_20200316T214258_2020316T21524_CD01  CS_OFFL_SIR_NOPM_2_20200316T21428_2020316T21524_CD01  CS_OFFL_SIR_NOPM_2_20200316T21428_2020316T21524_CD01  CS_OFFL_SIR_NOPM_2_20200316T21428_2020316T21524_CD01  CS_OFFL_SIR_NOPM_2_20200316T21428_2020316T22548_CD01  CS_OFFL_SIR_NOPM_2_20200316T21428_2020316T22548_CD01  CS_OFFL_SIR_NOPM_2_20200316T21428_2020316T22548_CD01  CS_OFFL_SIR_NOPM_2_20200316T21428_2020316T22548_CD01  CS_OFFL_SIR_NOPM_2_20200316T21428_2020316T22548_CD01  CS_OFFL_SIR_NOPM_2_20200316T21428_2020316T22548_CD01  CS_OFFL_SIR_NOPM_2_20200316T21428_2020316T22548_CD01  CS_OFFL_SIR_NOPM_2_20200316T21428_2020316T22548_CD01  CS_OFFL_SIR_NOPM_2_20200316T22428_CD020316T22548_CD01  CS_OFFL_SIR_NOPM_2_20200316T22428_CD020316T22548_CD01  CS_OFFL_SIR_NOPM_2_20200316T22558_CD0316T22558_CD01  CS_OFFL_SIR_NOPM_2_20200316T22558_CD0316T22558_CD01  CS_OFFL_SIR_NOPM_2_20200316T22558_CD0316T22558_CD01  CS_OFFL_SIR_NOPM_2_20200316T22558_CD0316T22558_CD01  CS_OFFL_SIR_NOPM_2_20200316T22558_CD0316T22558_CD01  CS_OFFL_SIR_NOPM_2_20200316T22558_CD0316T22558_CD01  CS_OFFL_SIR_NOPM_2_20200316T22558_CD0316T22558_CD01  CS_OFFL_SIR_NOPM_2_20200316T22558_CD0316T22558_CD01  CS_OFFL_SIR_NOPM_2_20200316T22558_CD0316T22558_CD01  CS_OFFL_SIR_NOPM_2_20200316T22558_CD020316T22558_CD01  C	CS_OFFL_SIR_NOPM_2_20200316T193543_20200316T200231_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20200316720331_20200316720301_CDD1  CS_OFFL_SIR_NOPM_2_20200316720332_202003167213254_CDD1  CS_OFFL_SIR_NOPM_2_202003167213289_20200316721444_CDD1  CS_OFFL_SIR_NOPM_2_202003167214327_202003167214284_CDD1  CS_OFFL_SIR_NOPM_2_202003167214327_202003167214284_CDD1  CS_OFFL_SIR_NOPM_2_202003167214327_202003167214284_CDD1  CS_OFFL_SIR_NOPM_2_202003167214327_202003167212889_CDD1  CS_OFFL_SIR_NOPM_2_202003167214327_DD2003167212884_CDD1  CS_OFFL_SIR_NOPM_2_202003167214327_DD2003167212884_CDD1  CS_OFFL_SIR_NOPM_2_202003167214327_DD2003167214824_CDD1  CS_OFFL_SIR_NOPM_2_202003167214327_DD2003167212884_CDD1  CS_OFFL_SIR_NOPM_2_202003167214327_DD2003167218284_CDD1  CS_OFFL_SIR_NOPM_2_202003167214327_DD2003167218284_CDD1  CS_OFFL_SIR_NOPM_2_202003167214327_DD2003167218284_CDD1  CS_OFFL_SIR_NOPM_2_202003167214327_DD200316722984_CDD1  CS_OFFL_SIR_NOPM_2_202003167214280_DD200316722984_CDD1  CS_OFFL_SIR_NOPM_2_202003167214280_DD200316722984_CDD1  CS_OFFL_SIR_NOPM_2_202003167214280_DD200316722984_CDD1  CS_OFFL_SIR_NOPM_2_20200316722980_CD0316722984_CDD1  CS_OFFL_SIR_NOPM_2_20200316722980_CD0316722984_CDD1  CS_OFFL_SIR_NOPM_2_20200316722980_CD0316722980_CD01  CS_OFFL_SIR_NOPM_2_20200316722980_CD0316722980_CD01  CS_OFFL_SIR_NOPM_2_20200316722980_CD0316722980_CD01  CS_OFFL_SIR_NOPM_2_202003167232980_CD003167232980_CD01  CS_OFFL_SIR_NOPM_2_202003167232980_CD03167232980_CD01  CS_OFFL_SIR_NOPM_2_20200316723930_C02003167232980_CD01  CS_OFFL_SIR_NOPM_2_20200316723930_C0200316723930_CD003167	CS_OFFL_SIR_NOPM_2_20200316T200400_20200316T200927_C001		
and Backscatter Quality, OCOG Allimeter Range and Backscatter Quality Flags have been self to more more records.  CS_OFFL_SIR_NOPM_2_20200316T203334_20200316T205045_0001  CS_OFFL_SIR_NOPM_2_20200316T21415_20200316T205045_0001  CS_OFFL_SIR_NOPM_2_20200316T21415_20200316T212354_0001  CS_OFFL_SIR_NOPM_2_20200316T21415_20200316T214364_0001  CS_OFFL_SIR_NOPM_2_20200316T21455_20200316T214824_0001  CS_OFFL_SIR_NOPM_2_20200316T21455_20200316T214824_0001  CS_OFFL_SIR_NOPM_2_20200316T21455_20200316T214824_0001  CS_OFFL_SIR_NOPM_2_20200316T2145_20200316T214824_0001  CS_OFFL_SIR_NOPM_2_20200316T2145_20200316T214824_0001  CS_OFFL_SIR_NOPM_2_20200316T2145_20200316T214824_0001  CS_OFFL_SIR_NOPM_2_20200316T214903_20200316T214824_0001  CS_OFFL_SIR_NOPM_2_20200316T214903_20200316T220946_0001  CS_OFFL_SIR_NOPM_2_20200316T21428_20200316T220946_0001  CS_OFFL_SIR_NOPM_2_20200316T21428_20200316T222548_0001  CS_OFFL_SIR_NOPM_2_20200316T21428_20200316T222548_0001  CS_OFFL_SIR_NOPM_2_20200316T21428_20200316T225506_0001  CS_OFFL_SIR_NOPM_2_20200316T224035_20200316T225096_0001  CS_OFFL_SIR_NOPM_2_20200316T224035_20200316T225096_0001  CS_OFFL_SIR_NOPM_2_20200316T224035_20200316T225096_0001  CS_OFFL_SIR_NOPM_2_20200316T224035_20200316T225096_0001  CS_OFFL_SIR_NOPM_2_20200316T225095_20200316T225096_0001  CS_OFFL_SIR_NOPM_2_20200316T225095_20200316T225096_0001  CS_OFFL_SIR_NOPM_2_20200316T225095_20200316T232500_0001  CS_OFFL_SIR_NOPM_2_20200316T235005_20200316T235005_0001  CS_OFFL_SI	CS_OFFL_SIR_NOPM_2_20200316T200947_20200316T201217_C001		
CS_OFFL_SIR_NOPM_2_20200316T21415_02020316T212354_C001  CS_OFFL_SIR_NOPM_2_20200316T214145_02020316T212354_C001  CS_OFFL_SIR_NOPM_2_20200316T214145_02020316T212354_C001  CS_OFFL_SIR_NOPM_2_20200316T21455_02020316T214144_C001  CS_OFFL_SIR_NOPM_2_20200316T21455_02020316T214144_C001  CS_OFFL_SIR_NOPM_2_20200316T21455_02020316T214624_C001  CS_OFFL_SIR_NOPM_2_20200316T21455_02020316T214624_C001  CS_OFFL_SIR_NOPM_2_20200316T214525_02020316T214624_C001  CS_OFFL_SIR_NOPM_2_20200316T214525_02020316T25024_C001  CS_OFFL_SIR_NOPM_2_20200316T214525_02020316T220946_C001  CS_OFFL_SIR_NOPM_2_20200316T214624_20200316T222548_C001  CS_OFFL_SIR_NOPM_2_20200316T22428_02020316T222548_C001  CS_OFFL_SIR_NOPM_2_20200316T232428_02020316T222548_C001  CS_OFFL_SIR_NOPM_2_20200316T23428_02020316T222548_C001  CS_OFFL_SIR_NOPM_2_20200316T23428_02020316T222548_C001  CS_OFFL_SIR_NOPM_2_20200316T23428_02020316T222548_C001  CS_OFFL_SIR_NOPM_2_20200316T23428_02020316T222548_C001  CS_OFFL_SIR_NOPM_2_20200316T23428_02020316T222548_C001  CS_OFFL_SIR_NOPM_2_20200316T23428_02020316T222548_C001  CS_OFFL_SIR_NOPM_2_20200316T23428_02020316T23228_C001  CS_OFFL_SIR_NOPM_2_20200316T23228_02020316T23228_C001  CS_OFFL_SIR_NOPM_2_20200316T23228_02020316T23228_0001  CS_OFFL_SIR_NOPM_2_20200316T23228_02020316T23228_0001  CS_OFFL_SIR_NOPM_2_20200316T232500_02020316T23228_0001  CS_OFFL_SIR_NOPM_2_20200316T232500_02020316T23228_0001  CS_OFFL_SIR_NOPM_2_20200316T232500_02020316T23228_0001  CC_OFFL_SIR_NOPM_2_20200316T232500_02020316T23228_0001  CC_OFFL_SIR_NOPM_2_20200316T235800_02020316T235800_0001  CC_OFFL_SIR_NOPM_2_20200316T235800_02020316T235800_0001  CC_OFFL_SIR_NOPM_2_20200316T235800_02020316T235800_0001  CC_OFFL_SIR_NOPM_2_20200316T235800_02020316T235800_0001  CC_OFFL_SIR_NOPM_2_20200316T235800_02020316T235800_0001  CC_OFFL_SIR_NOPM_2_20200316T235800_02020316T235800_0001  CC_OFFL_SIR_NOPM_2_20200316T235800_02020316T235800_0001  CC_OFFL_SIR_NOPM_2_20200316T235800_02020316T235800_0001  CC_OFFL_SIR_NOPM_2_20200316T235800_02020316T235800_0001  CC_OFFL_SIR_NOPM_2_	CS_OFFL_SIR_NOPM_2_20200316T202031_20200316T203301_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COGG Allimeter Range and Backscatter Quality Flags have been and the COGG Allimeter Range and Backscatter Quality Flags have been and backscatter Quality CS_OFFL_SIR_NOPM_2_20200316T212558_20200316T214144_CO01  CS_OFFL_SIR_NOPM_2_20200316T21432T_20200316T214824_CO01  CS_OFFL_SIR_NOPM_2_20200316T21482T_20200316T214824_CO01  CS_OFFL_SIR_NOPM_2_20200316T214803_20200316T215024_CO01  CS_OFFL_SIR_NOPM_2_20200316T214803_20200316T215024_CO01  CS_OFFL_SIR_NOPM_2_20200316T214803_20200316T22504_CO01  CS_OFFL_SIR_NOPM_2_20200316T21428_20200316T220946_CO01  CS_OFFL_SIR_NOPM_2_20200316T21428_20200316T220946_CO01  CS_OFFL_SIR_NOPM_2_20200316T21428_20200316T22548_CO01  CS_OFFL_SIR_NOPM_2_20200316T221428_20200316T22548_CO01  CS_OFFL_SIR_NOPM_2_20200316T2248_20200316T22548_CO01  CS_OFFL_SIR_NOPM_2_20200316T2248_20200316T225706_CO01  CS_OFFL_SIR_NOPM_2_20200316T2248_20200316T225706_CO01  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T23008_CO01  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T23008_CO01  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T23008_CO01  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T235800_CO01  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T235800_CO01  CS_OFFL_SIR_NOPM_2_20200316T233500_20200316T235800_CO01  CS_OFFL_SIR_NOPM_2_20200316T233500_20200316T235800_CO01  CS_OFFL_SIR_NOPM_2_20200316T235800_20200316T235800_CO01  CS_OFFL_SIR_NOPM_2_20200316T235800_20200316T235800_CO01  CS_OFFL_SIR_NOPM_2_20200316T235800_20200316T235800_CO01  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T25500_CO01  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T25500_CO01  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T25500_CO01  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T25500_CO01  CS_OFFL_SIR_NOPM_2_20200316T025540_20200316T25500_CO01  CS_OFFL_SIR_NOPM_2_20200316T025540_20200316T25500_CO01  CS_OFFL_SIR_NOPM_2_20200316T025540_20200316T025500_CO01  CS_OFFL_SIR_NOPM_2_20200316T025540_20200316T025500_CO01  CS_OFFL_SIR_NOPM_2_20200316T025540_20200316T025500_CO01  CS_OFFL_SIR_NOPM_2_20200316T025540_20200316T025500_CO01  CS_OFFL_S	CS_OFFL_SIR_NOPM_2_20200316T203334_20200316T205045_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200316T214927_20200316T214824_C001  CS_OFFL_SIR_NOPM_2_20200316T214903_20200316T215024_C001  CS_OFFL_SIR_NOPM_2_20200316T214903_20200316T215024_C001  CS_OFFL_SIR_NOPM_2_20200316T214903_20200316T215024_C001  CS_OFFL_SIR_NOPM_2_20200316T214903_20200316T220946_C001  CS_OFFL_SIR_NOPM_2_20200316T214903_20200316T220946_C001  CS_OFFL_SIR_NOPM_2_20200316T21428_20200316T220946_C001  CS_OFFL_SIR_NOPM_2_20200316T22448_20200316T222548_C001  CS_OFFL_SIR_NOPM_2_20200316T22448_20200316T22548_C001  CS_OFFL_SIR_NOPM_2_20200316T224935_20200316T225706_C001  CS_OFFL_SIR_NOPM_2_20200316T224935_20200316T225706_C001  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T230528_C001  CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T2335805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200316T0055959_C001  CS_OFFL_SIR_NOPM_2_20200316T0056595_2000316T0055959_C001  CS_OFFL_SIR_NOPM_2_20200316T0056595_2000316T0055959_C001  CS_OFFL_SIR_NOPM_2_20200316T0056595_2000316T0055959_C001  CS_OFFL_SIR_NOPM_2_20200316T0056595_2000316T0055959_C001  CS_OFFL_SIR_NOPM_2_20200316T0056595_2000316T0055959_C001  CS_OFFL_SIR_NOPM_2_20200316T0056595_2000316T0055959_C001  CS_OFFL_SIR_NOPM_2_20200316T0056959_C001  CS_OFFL_SIR_NOPM_2_20200316T0056959_C001  CS_OFFL_SIR_NOPM_2_20200316T0056959_C001  CS_OFFL_SIR_NOPM_2_20200316T0056959_C001  CS_OFFL_SIR_NOPM_2_20200316T0056959_C001  CS_OFFL_SIR_NOPM_2_20200316T0056959_C001  CS_OFFL_SIR_NOPM_2_202	CS_OFFL_SIR_NOPM_2_20200316T211415_20200316T212354_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20200316T214903_20200316T215024_C001  OCGA Altimeter Range Quality, OCGB Backscatter Quality Flags have been set for one or more records.  The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T232028_C001  CS_OFFL_SIR_NOPM_2_20200316T232550_20200316T232737_C001  CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_C001  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_C001  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_C001  CS_OFFL_SIR_NOPM_2_20200316T065618_20200316T065695_C001  CS_OFFL_SIR_NOPM_2_20200316T065618_20200316T065695_C001  CS_OFFL_SIR_NOPM_2_20200316T065618_20200316T065695_C001  CS_OFFL_SIR_NOPM_2_20200316T065618_20200316T065695_C001  CS_OFFL_SIR_NOPM_2_20200316T065618_20200316T065695_C001  CS_OFFL_SIR_NOPM_2_20200316T065618_20200316T065695_C001  CS_OFFL_SIR_NOPM_2_20200316T065618_20200316T065695	CS_OFFL_SIR_NOPM_2_20200316T212558_20200316T214144_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20200316T215730_20200316T220946_C001  CS_OFFL_SIR_NOPM_2_20200316T221428_20200316T222548_C001  CS_OFFL_SIR_NOPM_2_20200316T221428_20200316T222548_C001  CS_OFFL_SIR_NOPM_2_20200316T224935_20200316T225706_C001  CS_OFFL_SIR_NOPM_2_20200316T224935_20200316T225706_C001  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T230228_C001  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T23028_C001  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T23028_C001  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T23003_C001  CS_OFFL_SIR_NOPM_2_20200316T230520_20200316T23003_C001  CS_OFFL_SIR_NOPM_2_20200316T230520_20200316T23003_C001  CS_OFFL_SIR_NOPM_2_20200316T230520_20200316T23003_C001  CS_OFFL_SIR_NOPM_2_20200316T230520_20200316T23003_C001  CS_OFFL_SIR_NOPM_2_20200316T230520_20200316T23003_C001  CS_OFFL_SIR_NOPM_2_20200316T230520_20200316T23003_C001  CS_OFFL_SIR_NOPM_2_20200316T23050_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_C001  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T005500_C001  CS_OFFL_SIR_NOPM_2_20200316T0056688_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T005688_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T0056688_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T0056688_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T0056688_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T0056688_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T0056688_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T0056688_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T0056688_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T0056688_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T0056688_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T00	CS_OFFL_SIR_NOPM_2_20200316T214327_20200316T214824_C001		
and the OCOG Altimeter Range and Backscatter Quality Flags have been altoner Range R	CS_OFFL_SIR_NOPM_2_20200316T214903_20200316T215024_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200316T224935_20200316T225706_C001  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T232028_C001  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T232028_C001  CS_OFFL_SIR_NOPM_2_20200316T23250_20200316T232737_C001  CS_OFFL_SIR_NOPM_2_20200316T23250_20200316T232737_C001  CS_OFFL_SIR_NOPM_2_20200316T233250_20200316T232737_C001  CS_OFFL_SIR_NOPM_2_20200316T233250_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_C001  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_	CS_OFFL_SIR_NOPM_2_20200316T215730_20200316T220946_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T232028_C001  Docan Altimeter Range, SSHA, SWH 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_20200316T232250_20200316T232737_C001  DOCAN Altimeter Range Quality, OCOG Backscatter Quality  CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T232737_C001  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  DOCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or mo	CS_OFFL_SIR_NOPM_2_20200316T221428_20200316T222548_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T23228_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200316T232250_20200316T232737_C001  CS_OFFL_SIR_NOPM_2_20200316T233250_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T235803_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_C001  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300	CS_OFFL_SIR_NOPM_2_20200316T224935_20200316T225706_C001		
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20200316T233250_20200316T235803_C001  Documentary CS_OFFL_SIR_NOPM_2_20200316T235805_20200316T235803_C001  Documentary CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_C001  Documentary CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_C001  Backscatter Quality  Documentary CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_C001  Documentary CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_C001  Backscatter Quality  Documentary CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_C001  Backscatter Quality  Documentary CS_OFFL_SIR_NOPM_2_20200316T025143_20200316T025300_C001  Documentary CS_OFFL_SIR_NOPM_2_20200316T065618_20200316T065959_C001  Backscatter Quality  Documentary CS_OFFL_SIR_NOPM_2_20200316T065618_20200316T065959_C001  Documentary CS_OFFL_SIR_NOPM_2_20200316T065918_20200316T065959_C001  Documentary CS_OFFL_SIR_NOPM_2_20200316T065918_20200316T065959_C001  Documentary CS_OFFL_SIR_NOPM_2_20200316T065918_20200316T065959_C001  Documentary CS_OFFL_SIR_NOPM_2_20200316T065918_20200316T065959_C001  Documentary CS_OFFL_SIR_NOPM_2_20200316T065918_20200316T065959_C001  Documentary CS_OFFL_SIR_NOPM_2_20200316T065918_20200316T065959_C001  Documentary CS_OFFL_SIR_NOPM_2_20	CS_OFFL_SIR_NOPM_2_20200316T230521_20200316T232028_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T235803_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter 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 and Backscatter Quality Flags have been set for one or more records.  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200316T232250_20200316T232737_C001		
CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.  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 and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200316T233350_20200316T235803_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200316T025143_20200316T025300_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Flags	CS_OFFL_SIR_NOPM_2_20200316T235805_20200317T000110_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200316T065618_20200316T065959_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPN_2_20200316T025143_20200316T025300_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPN_2_20200316T065618_20200316T065959_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPN_2_20200316T074110_20200316T074128_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200316T075148_20200316T075232_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200316T122457_20200316T122503_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200316T160645_20200316T160749_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200316T105305_20200316T105334_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200316T132659_20200316T132753_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200316T200928_20200316T200933_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200316T223349_20200316T223421_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

### L2 Quality Flags (20Hz PLRM)

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200316T002104_20200316T002351_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_20200316T010146_20200316T010439_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_20200316T020123_20200316T020243_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_20200316T023719_20200316T024213_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_20200316T025143_20200316T025300_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_20200316T033102_20200316T033226_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_20200316T043348_20200316T043510_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_20200316T051036_20200316T051201_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_20200316T051718_20200316T052022_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_20200316T065020_20200316T065327_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_20200316T065618_20200316T065959_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_20200316T074728_20200316T075100_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_20200316T083056_20200316T083330_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_20200316T091106_20200316T091315_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_20200316T092607_20200316T092725_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_20200316T093122_20200316T093246_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

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### AND PRINTS AND PRI	CS_OFFL_SIR_NOPN_2_20200316T100552_20200316T101209_C001	OCOG Backscatter Quality	
Comparison	CS_OFFL_SIR_NOPN_2_20200316T101931_20200316T102110_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CROPPL_SPL_NOPPL_2_7609019711945_2000019719461_0001	CS_OFFL_SIR_NOPN_2_20200316T110542_20200316T110749_C001		
Comparison   Com	CS_OFFL_SIR_NOPN_2_20200316T110848_20200316T111052_C001		
Col. Col. Link   No.Phy 2, 20000161110112, 2000161110200   Col. Col. Col. Col. Col. Col. Col. Col.	CS_OFFL_SIR_NOPN_2_20200316T111326_20200316T111447_C001		· · ·
CR_OPPL_SR_NOPPL_2_2000016T14987_2000046T19395_0011  OCO_Allments Range_Coathy PLRN.  OCO_Allments	CS_OFFL_SIR_NOPN_2_20200316T112158_20200316T112320_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_2000316T10454_2000516T10459. C001  CS_OFFL_SIR_NOPN_2_2000316T104523_2000316T10459. C001  CS_OFFL_SIR_NOPN_2_2000316T10451_2000516T10459. C001  CS_OFFL_SIR_NOPN_2_2000316T10032_2000316T10459. C001  CS_OFFL_SIR_NOPN_2_2000316T10032_2000316T10459. C001  CS_OFFL_SIR_NOPN_2_2000316T10032_2000316T10459. C001  CS_OFFL_SIR_NOPN_2_2000316T10032_2000316T10459. C001  CS_OFFL_SIR_NOPN_2_2000316T10032_2000316T10459. C001  CS_OFFL_SIR_NOPN_2_2000316T10032_2000316T10039. C000  CS_OFFL_SIR_NOPN_2_2000316T10033_2000316T10039. C000  CS_OFFL_SIR_NOPN_2_2000316T10039_2000316T10039_C000  CS_OFFL_SIR_NOPN_2_2000316T10039_2000316T10039_C000  CS_OFFL_SIR_NOPN_2_2000316T10039_2000316T10039_C000  CS_OFFL_SIR_NOPN_2_2000316T10039_2000316T10039_C000  CS_OFFL_SIR_NOPN_2_2000316T10039_2000316T10039_C000  CS_OFFL_SIR_NOPN_2_2000316T10039_2000316T10039_C000  CS_OFFL_SIR_NOPN_2_2000316T10039_2000316T10039_C000  CS_OFFL_SIR_NOPN_2_2000316T10039_2000316T10030_C000  CS_OFFL_SIR_NOPN_2_2000316T10039_2000316T10030_C000  CS	CS_OFFL_SIR_NOPN_2_20200316T114817_20200316T114951_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCC Allimeter Range and Backscatter Quality Flags have been set for one or more records.  OCS Allimeter Range Quality PLPM. OCC Backscatter Quality PLPM. OC	CS_OFFL_SIR_NOPN_2_20200316T122922_20200316T123057_C001		
OCCG Backscafer Quality FLRM. OCCG B	CS_OFFL_SIR_NOPN_2_20200316T124454_20200316T124939_C001		
CS_OFFL_SIR_NOPN_2_20200316T190732_20200316T19048_C001	CS_OFFL_SIR_NOPN_2_20200316T125035_20200316T125156_C001		
OCOG Backscatter Quality PLRM, COG Cogner Allmander Range, SSHA, SWH and Backscatter Quality Flags have been set for one or norse records.  CS_OFFL_SIR_NOPN_2_20200316T155592_20200316T155692_COO1  Allmander Range and Backscatter Quality Flags have been set for one or norse records.  CS_OFFL_SIR_NOPN_2_20200316T155592_20200316T155692_COO1  CS_OFFL_SIR_NOPN_2_20200316T155692_20200316T155692_COO1  CS_OFFL_SIR_NOPN_2_20200316T15699_20200316T155692_COO1  CS_OFFL_SIR_NOPN_2_20200316T160983_20200316T160983_COO1  CS_OFFL_SIR_NOPN_2_20200316T160983_20200316T160983_COO1  CS_OFFL_SIR_NOPN_2_20200316T180983_20200316T160983_COO1  CS_OFFL_SIR_NOPN_2_20200316T183448_20200316T183605_COO1  CS_OFFL_SIR_NOPN_2_20200316T183448_20200316T183605_COO1  CS_OFFL_SIR_NOPN_2_20200316T183448_20200316T191634_COO1  Allmander Range Quality PLRM, COCO Allmander Range and Backscatter Quality Flags have been set for one or norse records.  CS_OFFL_SIR_NOPN_2_20200316T183448_20200316T183605_COO1  CS_OFFL_SIR_NOPN_2_20200316T183448_20200316T183605_COO1  CS_OFFL_SIR_NOPN_2_20200316T183448_20200316T183605_COO1  CS_OFFL_SIR_NOPN_2_20200316T183448_20200316T191634_COO1  Allmander Range Quality PLRM, COCO Allmander Range and Backscatter Quality Flags have been set for one or norse records.  CS_OFFL_SIR_NOPN_2_20200316T183448_20200316T183605_COO1  CS_OFFL_SIR_NOPN_2_20200316T183448_20200316T183605_COO1  CS_OFFL_SIR_NOPN_2_20200316T191634_COO1  Allmander Range SNHA, SWH and Backscatter Quality Flags have been set for one or nor records.  CS_OFFL_SIR_NOPN_2_20200316T183448_20200316T191634_COO1  Allmander Range SNHA, SWH and Backscatter Quality Flags have been set for one or nor records.  CS_OFFL_SIR_NOPN_2_20200316T191695_20200316T205729_COO1  CS_OFFL_SIR_NOPN_2_20200316T191695_20200316T205729_COO1  CS_OFFL_SIR_NOPN_2_20200316T219052_20200316T211290_COO1  CS_OFFL_SIR_NOPN_2_20200316T219052_20200316T211290_COO1  CS_OFFL_SIR_NOPN_2_20200316T219052_20200316T211290_COO1  CS_OFFL_SIR_NOPN_2_20200316T22052_20200316T211290_COO1  CS_OFFL_SIR_NOPN_2_20200316T22052_2	CS_OFFL_SIR_NOPN_2_20200316T133101_20200316T133208_C001		
and Backscatter Quality PLRN. QOOG Allimeter Range and Backscatter Quality PLRN. CS_OFFL_SIR_NOPN_2_202003167155502_2020316715692_COO1  CS_OFFL_SIR_NOPN_2_202003167155502_2020316715692_COO1  CS_OFFL_SIR_NOPN_2_202003167155502_2020316715692_COO1  CS_OFFL_SIR_NOPN_2_20200316715692_2020316715692_COO1  CS_OFFL_SIR_NOPN_2_20200316716933_20200316716993_COO1  CS_OFFL_SIR_NOPN_2_202003167169346_20200316716993_COO1  CS_OFFL_SIR_NOPN_2_20200316716943_20200316716993_COO1  CS_OFFL_SIR_NOPN_2_20200316716943_20200316716993_COO1  CS_OFFL_SIR_NOPN_2_20200316716943_20200316716993_COO1  CS_OFFL_SIR_NOPN_2_20200316716943_20200316716993_COO1  CS_OFFL_SIR_NOPN_2_20200316716943_2020031671290_COO1  CS_OFFL_SIR_NOPN_2_20200316716943_202003167290_COO1  CS_OFFL_SIR_NOPN_2_20200316716952_202003167290_COO1  CS_OFFL_SIR_NOPN_2_20200316716952_202003167290_COO1  CS_OFFL_SIR_NOPN_2_202003167216962_202003167225346_COO1  CCC_OFFL_SIR_NOPN_2_20200316729052_20001  CS_OFFL_SIR_NOPN_2_20200316729052_20001  CCC_OFFL_SIR_NOPN_2_20200316729052_20001  CCC_OFFL_SIR_NOPN_2_20200316729052_20001  CCC_OFFL_SIR_NOPN_2_20200316729052_200016729052346_COO1  CCC_OFFL_SIR_NOPN_2_20200316729052_200016729052346_COO1  CCC_OFFL_SIR_NOPN_2_20200316729052_200016729052346_COO1  CCC_OFFL_SIR_NOPN_2_20200316729052_200016729052346_COO1  CCC_OFFL_SIR_NOPN_2_202003167290524_200031672932346_COO1  CCC_OFFL_SIR_NOPN_2_202003167290	CS_OFFL_SIR_NOPN_2_20200316T150732_20200316T151123_C001		
CS_OFFL_SIR_NOPN_2_20200316T165550_20200316T165826_C001  CS_OFFL_SIR_NOPN_2_20200316T165759_20200316T165856_C001  CS_OFFL_SIR_NOPN_2_20200316T160845_20200316T160845_C001  CS_OFFL_SIR_NOPN_2_20200316T160845_20200316T160845_C001  CS_OFFL_SIR_NOPN_2_20200316T160845_20200316T160845_C001  CS_OFFL_SIR_NOPN_2_20200316T160845_20200316T160845_C001  CS_OFFL_SIR_NOPN_2_20200316T160845_20200316T160845_C001  CS_OFFL_SIR_NOPN_2_20200316T160845_20200316T160945_C001  CS_OFFL_SIR_NOPN_2_20200316T2160845_20200316T12055_20_C001  CS_OFFL_SIR_NOPN_2_20200316T2160845_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T215025_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T215025_20200316T2152348_C001  CCS_OFFL_SIR_NOPN_2_20200316T2152342_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T23342_20200316T223348_C001  CCS_OFFL_SIR_NOPN_2_20200316T23342_20200316T223343_C001  CCS_OFFL_SIR_NOPN_2_20200316T23342_20200316T223343_C001  CCS_OFFL_SIR_NOPN_2_20200316T23342_20200316T223343_C001  CCS_OFFL_SIR_NOPN_2_20200316T23342_20200316T223343_C001  CCS_OFFL_SIR_NOPN_2_20200316T23342_20200316T223343_C001  CCS_OFFL_SIR_NOPN_2_20200316T23342_20200316T2	CS_OFFL_SIR_NOPN_2_20200316T155315_20200316T155438_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200316T150759_20200316T160845_COOD Altimeter Range and Backscatter Quality PLRM, COCG Backscatter Quali	CS_OFFL_SIR_NOPN_2_20200316T155550_20200316T155622_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Altmeter Range Quality PLRM. CS_OFFL_SIR_NOPN_2_20200316T160833_20200316T160853_C001  OCGA Altmeter Range Quality PLRM. CCG Backscatter Quality PLRM. CCG Backscatter Quality PLRM. CCG GAltmeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags and the OCOG Altmeter Range, SSHA, SWH and Backscatter Quality Flags and backscatter Quality PLRM. CCG Backscatter Quality PLRM. CCGG Backs	CS_OFFL_SIR_NOPN_2_20200316T155759_20200316T155856_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 CS_OFFL_SIR_NOPN_2_20200316T182436_20200316T182900_C001  CS_OFFL_SIR_NOPN_2_20200316T182436_20200316T182900_C001  CS_OFFL_SIR_NOPN_2_20200316T183446_20200316T183605_C001  CS_OFFL_SIR_NOPN_2_20200316T183446_20200316T183605_C001  CS_OFFL_SIR_NOPN_2_20200316T191413_20200316T191624_C001  CS_OFFL_SIR_NOPN_2_20200316T191413_20200316T191624_C001  CS_OFFL_SIR_NOPN_2_20200316T191413_20200316T191624_C001  CS_OFFL_SIR_NOPN_2_20200316T205628_20200316T205729_C001  CS_OFFL_SIR_NOPN_2_20200316T205628_20200316T205729_C001  CS_OFFL_SIR_NOPN_2_20200316T21055_20200316T211220_C001  CS_OFFL_SIR_NOPN_2_20200316T21055_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T21055_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T23049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T23049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T23049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T22304	CS_OFFL_SIR_NOPN_2_20200316T160645_20200316T160749_C001		
CS_OFFL_SIR_NOPN_2_20200316T182436_20200316T182900_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPN_2_20200316T183446_20200316T183605_C001  CS_OFFL_SIR_NOPN_2_20200316T191413_20200316T191624_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 and Backscatter Quality PLRM ocog Altimeter Range and Backscatter Quality PLRM ocog Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPN_2_20200316T205628_20200316T205729_C001  CS_OFFL_SIR_NOPN_2_20200316T211055_20200316T2120_C001  CS_OFFL_SIR_NOPN_2_20200316T211055_20200316T2120_C001  CS_OFFL_SIR_NOPN_2_20200316T21055_20200316T215250_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPN_2_20200316T221056_20200316T215250_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPN_2_20200316T221056_20200316T221427_C001  CCG_OFFL_SIR_NOPN_2_20200316T22056_20200316T221427_C001  CCG_OFFL_SIR_NOPN_2_20200316T22056_20200316T22348_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPN_2_20200316T22348_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPN_2_20200316T22348_C001  Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPN_2_20200316T22348_C001  Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPN_2_20200316T22348_C001  Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS	CS_OFFL_SIR_NOPN_2_20200316T160833_20200316T160953_C001		
CS_OFFL_SIR_NOPN_2_20200316T191413_20200316T191624_C001  CS_OFFL_SIR_NOPN_2_20200316T191413_20200316T205729_C001  CS_OFFL_SIR_NOPN_2_20200316T205628_20200316T205729_C001  CS_OFFL_SIR_NOPN_2_20200316T211055_20200316T211220_C001  CS_OFFL_SIR_NOPN_2_20200316T211055_20200316T211220_C001  CS_OFFL_SIR_NOPN_2_20200316T211055_20200316T211220_C001  CS_OFFL_SIR_NOPN_2_20200316T215055_20200316T21550_C001  CS_OFFL_SIR_NOPN_2_20200316T215055_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T221056_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T221056_20200316T221427_C001  CS_OFFL_SIR_NOPN_2_20200316T221056_20200316T221427_C001  CS_OFFL_SIR_NOPN_2_20200316T221056_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223332_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223332_C001  CS_OFFL_SIR_NOPN_2_20200316T020344_20200316T020337_C001  CS_OFFL_SIR_NOPN_2_20200316T020344_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020344_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020344_20200316T020337_C001  CCOG Altimeter Range And Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPR_2_20200316T020344_20200316T020337_C001  CCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for	CS_OFFL_SIR_NOPN_2_20200316T182436_20200316T182900_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, COG 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, 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 have been set for one or more records.  CS_OFFL_SIR_NOPN_2_20200316T211055_20200316T211220_C001  CS_OFFL_SIR_NOPN_2_20200316T215025_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T215025_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T221056_20200316T221427_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T22348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223422_20200316T223632_C001  CS_OFFL_SIR_NOPN_2_20200316T020244_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020244_20200316T020337_C001  CS_OFF	CS_OFFL_SIR_NOPN_2_20200316T183446_20200316T183605_C001		
CS_OFFL_SIR_NOPN_2_20200316T205628_20200316T211220_C001  CS_OFFL_SIR_NOPN_2_20200316T211055_20200316T211220_C001  CS_OFFL_SIR_NOPN_2_20200316T211055_20200316T211220_C001  CS_OFFL_SIR_NOPN_2_20200316T215025_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T215025_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T215025_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T221056_20200316T221427_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223422_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223422_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223422_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T020344_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020244_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020344_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020344_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020344_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020344_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020344_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020344_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020344_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020344_20200316T020337_	CS_OFFL_SIR_NOPN_2_20200316T191413_20200316T191624_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200316T215025_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T215025_20200316T215250_C001  CS_OFFL_SIR_NOPN_2_20200316T221056_20200316T221427_C001  CS_OFFL_SIR_NOPN_2_20200316T221056_20200316T221427_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223632_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223632_C001  CS_OFFL_SIR_NOPN_2_20200316T223042_20200316T223632_C001  CS_OFFL_SIR_NOPN_2_20200316T223422_20200316T223632_C001  CS_OFFL_SIR_NOPN_2_20200316T223422_20200316T223632_C001  CS_OFFL_SIR_NOPN_2_20200316T020244_20200316T020337_C001  CS_OFFL_SIR_NOPR_2_20200316T020244_20200316T020337_C001  COGA Altimeter Range Quality PLRM, OCOGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range and Backscatter Quality PLRM, OCOGA In Ocean Altimeter Range and Backsca	CS_OFFL_SIR_NOPN_2_20200316T205628_20200316T205729_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM  CS_OFFL_SIR_NOPN_2_20200316T221056_20200316T221427_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223049_20200316T223048_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223049_20200316T223048_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223048_C001  CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223048_C	CS_OFFL_SIR_NOPN_2_20200316T211055_20200316T211220_C001		
OCOG Backscatter Quality  Ocean 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 and Backscatter Quality PLRM  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the	CS_OFFL_SIR_NOPN_2_20200316T215025_20200316T215250_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range 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, 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, 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 Altim	CS_OFFL_SIR_NOPN_2_20200316T221056_20200316T221427_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatte	CS_OFFL_SIR_NOPN_2_20200316T223049_20200316T223348_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200316T223422_20200316T223632_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
I	CS_OFFL_SIR_NOPR_2_20200316T020244_20200316T020337_C001	and Backscatter Quality PLRM, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_NOPR_2_20200316T025029_20200316T025143_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200316T025301_20200316T025446_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_20200316T043313_20200316T043348_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_20200316T043511_20200316T043558_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_20200316T045733_20200316T050033_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_20200316T052023_20200316T052237_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_20200316T061352_20200316T061737_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_20200316T073951_20200316T074110_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_20200316T104125_20200316T104505_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_20200316T105936_20200316T110048_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_20200316T110749_20200316T110848_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_20200316T111117_20200316T111157_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_20200316T141516_20200316T142525_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_20200316T155856_20200316T160645_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_20200316T164458_20200316T164715_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_20200316T170618_20200316T171227_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_20200316T172604_20200316T172754_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_20200316T173827_20200316T174946_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_20200316T191825_20200316T192618_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_20200316T192711_20200316T192820_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_20200316T201405_20200316T201651_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_20200316T201720_20200316T202031_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_20200316T205730_20200316T210258_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_20200316T210752_20200316T210807_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_20200316T210820_20200316T210942_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_20200316T210945_20200316T211025_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_20200316T215251_20200316T215531_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_20200316T222623_20200316T222726_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200316T222931_20200316T223048_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_20200316T223349_20200316T223421_C001	Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200316T223633_20200316T224326_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200316T225706_20200316T230521_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.

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

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

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

Number of products with errors: 170

# 5.7 L2 Ocean Retracking Quality Check

#### L2 Retracking Flags (20Hz)

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

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

Number of products with errors:

#### L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors: 121