







# 1. Overview

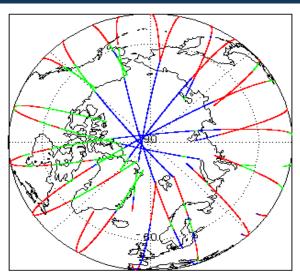
Report Production:	06-Sep-2019		
Processor Used:	CryoSat Ocean Processor		
Data Used:	Near Real Time Ocean Products (NOP)		

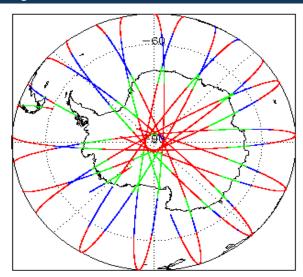
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement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

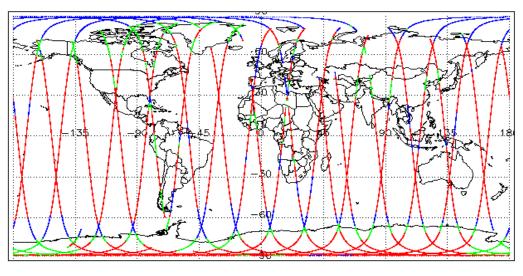
Mission / Instrument News		
04-Sep-2019	None	

05-Sep-2019 None 06-Sep-2019 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

# 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:

3

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190905T103816_20190905T104206_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20190905T153047_20190905T154213_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20190905T173354_20190905T180623_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

16

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190905T001458_20190905T004214_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190905T071030_20190905T072538_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190905T182846_20190905T184023_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190905T040958_20190905T041153_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190905T072538_20190905T072623_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190905T072834_20190905T073050_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190905T083138_20190905T083554_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190905T090416_20190905T090922_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190905T142301_20190905T142414_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190905T173035_20190905T173341_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190905T194823_20190905T195053_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190905T204805_20190905T205020_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190905T021823_20190905T022202_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190905T131049_20190905T131337_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190905T132411_20190905T132845_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190905T194658_20190905T194725_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:

## 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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190905T061802_20190905T062013_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPM_2_20190905T071030_20190905T072538_C001	Mean Sea Surface (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 Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPM_2_20190905T105524_20190905T105750_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_20190905T000127_20190905T000248_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_20190905T014115_20190905T014440_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_20190905T024001_20190905T024236_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_20190905T032017_20190905T032339_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_20190905T040958_20190905T041153_C001	Ocean Tide	There is an error with the MSS height (solution 1), 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_NOPN_2_20190905T050740_20190905T050904_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_20190905T055115_20190905T055136_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_20190905T064451_20190905T064653_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_20190905T072834_20190905T073050_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_20190905T083138_20190905T083554_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_20190905T090416_20190905T090922_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_20190905T100411_20190905T100626_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_20190905T104206_20190905T104745_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_20190905T122021_20190905T122440_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_20190905T131337_20190905T131502_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records  There is an error with the Macan Dynamic Tenggraphy height for one or
CS_OFFL_SIR_NOPN_2_20190905T132258_20190905T132355_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records  There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPN_2_20190905T140207_20190905T140402_C001	Mean Dynamic Topography (1)	more records There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPN_2_20190905T142301_20190905T142414_C001	Mean Dynamic Topography (1)	more records There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPN_2_20190905T145307_20190905T145433_C001	Mean Dynamic Topography (1)  Mean Sea Surface (1), Mean Dynamic	more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20190905T145947_20190905T150250_C001	Topography (1)	Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPN_2_20190905T163309_20190905T163615_C001	Mean Dynamic Topography (1)  Mean Sea Surface (1), Mean Dynamic	more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20190905T163848_20190905T164139_C001	Topography (1)	Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20190905T172952_20190905T173027_C001	Mean Sea Surface (1)  Mean Dynamic Topography (1), Total	There is an error with the MSS height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) and the
CS_OFFL_SIR_NOPN_2_20190905T173035_20190905T173341_C001	Geocentric Ocean Tide (GOT)  Mean Sea Surface (1), Mean Dynamic	Total Geocentric Ocean Tide (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20190905T181325_20190905T181600_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20190905T190837_20190905T190953_C001  CS_OFFL_SIR_NOPN_2_20190905T191202_20190905T191447_C001	Topography (1) Mean Dynamic Topography (1), Total	Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) and the
CS_OFFL_SIR_NOPN_2_201909051191202_201909051191447_C001  CS_OFFL_SIR_NOPN_2_20190905T204805_20190905T205020_C001	Geocentric Ocean Tide (GOT)  Mean Sea Surface (1), Mean Dynamic	Total Geocentric Ocean Tide (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20190905T213044_20190905T213226_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20190905T222728_20190905T223212_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20190905T231902_20190905T232142_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPR_2_20190905T005244_20190905T010105_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1)	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20190905T023158_20190905T024001_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_20190905T041234_20190905T042030_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_20190905T055136_20190905T055859_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_20190905T073050_20190905T073753_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_20190905T090922_20190905T091445_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_20190905T184023_20190905T184201_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_20190905T222321_20190905T222728_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

## 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190905T103816_20190905T104206_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20190905T153047_20190905T154213_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20190905T173354_20190905T180623_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

## 5.6 L2 Measurement Quality Flag Check

## L2 Quality Flags (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.

3

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190905T000532_20190905T001136_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_20190905T001458_20190905T004214_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_20190905T010443_20190905T013639_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_20190905T014440_20190905T015007_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_20190905T015415_20190905T015759_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_20190905T022828_20190905T023158_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_20190905T024338_20190905T025243_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_20190905T025527_20190905T031648_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_20190905T032448_20190905T032857_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_20190905T033426_20190905T035035_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_20190905T040838_20190905T040920_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_20190905T042030_20190905T045532_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_20190905T045858_20190905T050342_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_20190905T050348_20190905T050355_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_20190905T050401_20190905T050740_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_20190905T051443_20190905T054627_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_20190905T055859_20190905T061321_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_20190905T061802_20190905T062013_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_20190905T062024_20190905T063450_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_20190905T063724_20190905T064240_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_20190905T065252_20190905T070524_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_20190905T070527_20190905T070622_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_20190905T071030_20190905T072538_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_20190905T074800_20190905T075821_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_20190905T080001_20190905T081335_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_20190905T081649_20190905T082151_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_20190905T083025_20190905T083138_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_20190905T083554_20190905T084302_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_20190905T084724_20190905T085214_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_20190905T085457_20190905T090045_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_20190905T090207_20190905T090416_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_20190905T092248_20190905T092356_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_20190905T093108_20190905T095157_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_20190905T095720_20190905T100107_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_20190905T100128_20190905T100411_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_20190905T100838_20190905T103139_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_20190905T105524_20190905T105750_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_20190905T110758_20190905T113129_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_20190905T113501_20190905T114021_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_20190905T114027_20190905T114354_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_20190905T114745_20190905T122021_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_20190905T123518_20190905T124037_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_20190905T124423_20190905T130305_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_20190905T130651_20190905T131049_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_20190905T131502_20190905T132258_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_NOPM_2_20190905T132845_20190905T140015_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_20190905T141219_20190905T141434_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_20190905T144051_20190905T144902_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_20190905T145433_20190905T145947_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_20190905T150708_20190905T152802_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_20190905T153047_20190905T154213_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_20190905T155132_20190905T155457_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_20190905T161046_20190905T161653_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_20190905T161840_20190905T162837_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_20190905T163615_20190905T163848_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_20190905T164619_20190905T171608_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_20190905T171629_20190905T172211_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_20190905T173354_20190905T180623_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_20190905T181955_20190905T182300_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_20190905T182531_20190905T182835_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_20190905T182846_20190905T184023_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_20190905T184202_20190905T185305_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_20190905T191447_20190905T193101_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_20190905T194725_20190905T194823_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_20190905T200502_20190905T201848_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_20190905T202028_20190905T202311_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_20190905T202738_20190905T204142_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_20190905T205026_20190905T205110_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_20190905T205337_20190905T205554_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_20190905T205717_20190905T210307_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_20190905T210550_20190905T210829_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_20190905T210833_20190905T212834_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_NOPM_2_20190905T213226_20190905T214108_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_20190905T214447_20190905T220829_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_20190905T224026_20190905T230800_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_20190905T231441_20190905T231902_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_20190905T232407_20190905T235005_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_20190905T100122_20190905T100128_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_20190905T122021_20190905T122440_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_20190905T181325_20190905T181600_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_20190905T182300_20190905T182424_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_20190905T185305_20190905T185545_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_20190905T205110_20190905T205337_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_20190905T021823_20190905T022202_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_20190905T164401_20190905T164619_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.

Number of products with errors:

Product	Test Failed	Description
	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_20190905T010105_20190905T010443_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_20190905T014115_20190905T014440_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 OFFI SID NODN 2 20100005T015007 20100005T015124 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.
	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_20190905T024001_20190905T024236_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
	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_20190905T045706_20190905T045858_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.
	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 OFFI SID NODN 2 20100005T063547 20100005T063724 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_20190905T072834_20190905T073050_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_NOPN_2_20190905T074523_20190905T074800_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPN_2_20190905T081501_20190905T081649_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags has te for one or more records.
CS_OFFL_SIR_NOPN_2_20190905T083138_20190905T083554_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPN_2_20190905T084302_20190905T084724_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPN_2_20190905T090045_20190905T090146_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set imore records.
CS_OFFL_SIR_NOPN_2_20190905T090416_20190905T090922_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags has to for one or more records.
CS_OFFL_SIR_NOPN_2_20190905T092520_20190905T092919_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set more records.
CS_OFFL_SIR_NOPN_2_20190905T095407_20190905T095720_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags has te for one or more records.
CS_OFFL_SIR_NOPN_2_20190905T103607_20190905T103816_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set imore records.
CS_OFFL_SIR_NOPN_2_20190905T104206_20190905T104745_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPN_2_20190905T105750_20190905T105913_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPN_2_20190905T110438_20190905T110527_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPN_2_20190905T110632_20190905T110758_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPN_2_20190905T113333_20190905T113501_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags has tel for one or more records.
CS_OFFL_SIR_NOPN_2_20190905T114354_20190905T114517_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPN_2_20190905T122021_20190905T122440_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set fmore records.
CS_OFFL_SIR_NOPN_2_20190905T131337_20190905T131502_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set fmore records.
CS_OFFL_SIR_NOPN_2_20190905T140207_20190905T140402_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags has te for one or more records.
CS_OFFL_SIR_NOPN_2_20190905T141434_20190905T141510_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPN_2_20190905T141618_20190905T141741_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set t more records.
CS_OFFL_SIR_NOPN_2_20190905T142301_20190905T142414_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags ha set for one or more records.
CS_OFFL_SIR_NOPN_2_20190905T143014_20190905T143158_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPN_2_20190905T145947_20190905T150250_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPN_2_20190905T163309_20190905T163615_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPN_2_20190905T173035_20190905T173341_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPN_2_20190905T191202_20190905T191447_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.

CS_OFFL_SIR_NOPN_2_20190905T193527_20190905T193541_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_20190905T194823_20190905T195053_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_20190905T200200_20190905T200342_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_20190905T204805_20190905T205020_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_20190905T205110_20190905T205337_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_20190905T205554_20190905T205717_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_20190905T222303_20190905T222321_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_20190905T222728_20190905T223212_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_20190905T223303_20190905T223425_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_20190905T231021_20190905T231154_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_20190905T231327_20190905T231441_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_20190904T235821_20190905T000127_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_20190905T004214_20190905T004241_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_20190905T005244_20190905T010105_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_20190905T015124_20190905T015415_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_20190905T023158_20190905T024001_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_20190905T031648_20190905T032017_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_20190905T033020_20190905T033426_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_20190905T041234_20190905T042030_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_20190905T045532_20190905T045706_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_20190905T050904_20190905T051443_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_20190905T055136_20190905T055859_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_20190905T063450_20190905T063547_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_20190905T064653_20190905T065252_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_20190905T070622_20190905T070835_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_20190905T073050_20190905T073753_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_20190905T081335_20190905T081501_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_OFT_SR_NOPR_2_2019995719356_2019995709108_C001  CS_OFT_SR_NOPR_2_2019995709306_2019995709108_C001  CS_OFT_SR_NOPR_2_2019995709306_2019995709108_C001  CS_OFT_SR_NOPR_2_2019995719306_20199957109318_C001  CS_OFT_SR_NOPR_2_2019995719306_2019995719338_C001  CS_OFT_SR_NOPR_2_2019995719306_2019995719338_C001  CS_OFT_SR_NOPR_2_2019995719306_2019995719338_C001  CS_OFT_SR_NOPR_2_2019995719306_2019995719338_C001  CS_OFT_SR_NOPR_2_2019995719306_2019995719338_C001  CS_OFT_SR_NOPR_2_2019995719306_2019995719338_C001  CS_OFT_SR_NOPR_2_2019995719306_201995719306_C001995	CS_OFFL_SIR_NOPR_2_20190905T090922_20190905T091445_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_2018005T16317_2019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T16312_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T15012_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T15012_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T15012_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T15012_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T16012_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T16012_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T16012_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T16012_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T16012_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T16012_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T16012_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T16012_019005T1400F_CD01  CS_OFFL_SIR_NOPR_2_2018005T1600F_CD01  CS_OFFL_SIR_NOPR_2_2018005T160	CS_OFFL_SIR_NOPR_2_20190905T091458_20190905T091636_C001		
SS_OFFL_SIR_NOPR_2_20190905719312_2019090511333_C001  Alternative Region and Dissociation County PLIPM. OCCO. Alternative Region and Dissociation County Plipm and the County Pli	CS_OFFL_SIR_NOPR_2_20190905T093003_20190905T093108_C001		
Dept. Silk NOPR 2, 20100061113312 (2010006113332 C001 20100661133137 C001 2010066113314 (2010006114004 (2010006	CS_OFFL_SIR_NOPR_2_20190905T095157_20190905T095407_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
SS OFFL_SIR_NOPR_2_20190905T1304P_29109095T1304P_CO1  CS_OFFL_SIR_NOPR_2_20190905T1304P_29109095T1304P_CO1  CS_OFFL_SIR_NOPR_2_20190905T1304P_29109095T14028P_CO1  CS_OFFL_SIR_NOPR_2_20190905T142P_29109095T14028P_CO1  CS_OFFL_SIR_NOPR_2_20190905T14308P_29109095T14028P_CO1  CS_OFFL_SIR_NOPR_2_20190905T14308P_29109095T14028P_CO1  CS_OFFL_SIR_NOPR_2_20190905T1442P_29109095T14028P_CO1  CS_OFFL_SIR_NOPR_2_20190905T1442P_29109095T14028P_CO1  CS_OFFL_SIR_NOPR_2_20190905T1442P_29109095T14028P_CO1  CS_OFFL_SIR_NOPR_2_20190905T14430P_CO1  CS_OFFL_SIR_NOPR_2_20190905T14430P_CO1  CS_OFFL_SIR_NOPR_2_20190905T14430P_CO1  CS_OFFL_SIR_NOPR_2_20190905T14430P_CO1  CS_OFFL_SIR_NOPR_2_20190905T14630P_CO1  CS_OFFL_SIR_NOPR_2_20190905T14630P_CO1  CS_OFFL_SIR_NOPR_2_20190905T16030P_CO1  CS_OFFL_SIR_NOPR_2_20190905T16040P_CO1  CS_OFFL_SIR_NOPR_2_20190905T16040P_CO1  CS_OFFL_SIR_NOPR_2_20190905T16040P_CO1  CS_OFFL_SIR_NOPR_2_20190905T16040P_CO1  CS_OFFL_SIR_NOPR_2_20190905T16040P_CO1  CS_OFFL_SIR_NOPR_2_20190905T10040P_CO1  CS_OFFL_SIR_NOPR_2_20190905T1004	CS_OFFL_SIR_NOPR_2_20190905T113129_20190905T113333_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20190905T14241_20190905T149245_C001  CS_OFFL_SIR_NOPR_2_20190905T14014_20190905T140207_C001  CS_OFFL_SIR_NOPR_2_20190905T140057_C001  CS_OFFL_SIR_NOPR_2_20190905T140057_C0190905T145007_C001  CS_OFFL_SIR_NOPR_2_20190905T140057_C0190905T14007_C001  CS_OFFL_SIR_NOPR_2_20190905T140057_C0190905T14007_C001  CS_OFFL_SIR_NOPR_2_20190905T160057_C0190905T160057_C001  CS_OFFL_SIR_NOPR_2_20190905T160057_C0190905T160057_C001  CS_OFFL_SIR_NOPR_2_20190905T160057_C019090	CS_OFFL_SIR_NOPR_2_20190905T131049_20190905T131337_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscalter Quality PLRM. OCOG Backscalter Quality PLRM. OCOG Range and Backscalter Quality Flags have been set for one or more records.  The OCOG Range and Backscalter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPR_2_20190905T144802_20190905T145307_C001  CS_OFFL_SIR_NOPR_2_20190905T16457_20190905T160134_C001  CS_OFFL_SIR_NOPR_2_20190905T16457_20190905T160134_C001  CS_OFFL_SIR_NOPR_2_20190905T162837_20190905T16039_C001  CS_OFFL_SIR_NOPR_2_20190905T162837_20190905T163309_C001  CS_OFFL_SIR_NOPR_2_20190905T162837_20190905T163309_C001  CS_OFFL_SIR_NOPR_2_20190905T162837_20190905T163309_C001  CS_OFFL_SIR_NOPR_2_20190905T162837_20190905T163309_C001  CS_OFFL_SIR_NOPR_2_20190905T162837_20190905T163309_C001  CS_OFFL_SIR_NOPR_2_20190905T164401_20190905T163309_C001  CS_OFFL_SIR_NOPR_2_20190905T16023_20190905T16325_C001  CS_OFFL_SIR_NOPR_2_20190905T16023_20190905T16325_C001  CS_OFFL_SIR_NOPR_2_20190905T18023_20190905T18025_C001  CS_OFFL_SIR_NOPR_2_20190905T18023_20190905T18025_C001  CS_OFFL_SIR_NOPR_2_20190905T18023_20190905T18025_C001  CS_OFFL_SIR_NOPR_2_20190905T180242_20190905T18025_C001  CS_OFFL_SIR_NOPR_2_20190905T180242_20190905T18025_C001  CS_OFFL_SIR_NOPR_2_20190905T180242_20190905T18025_C001  CS_OFFL_SIR_NOPR_2_20190905T180242_20190905T18025_C001  CS_OFFL_SIR_NOPR_2_20190905T180242_20190905T18025_C001  CS_OFFL_SIR_NOPR_2_20190905T180242_20190905T100002_C001  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200002_C001  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200002_C001  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200002_C001  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200002_C001  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200002_C001  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200002_C001  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200002_C001  CS_OFFL_SIR_NOPR_2_20190905T200005T200002_C001  CS_OFFL_SIR_NOPR_2_20190905T200005T200002_C001  CS_OFFL_SIR_NOPR_2_20190905T200005T200002_C001  CS_OFFL_SIR_NOPR_2_20190905T200005T200002_C001  CS_OFFL_SIR_NOPR_2_20190905T200005T200002_C001	CS_OFFL_SIR_NOPR_2_20190905T132411_20190905T132845_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20190905T144902_20190905T145307_C001  CS_OFFL_SIR_NOPR_2_20190905T144902_20190905T145307_C001  CS_OFFL_SIR_NOPR_2_20190905T155457_20190905T160134_C001  CS_OFFL_SIR_NOPR_2_20190905T165457_20190905T160134_C001  CS_OFFL_SIR_NOPR_2_20190905T162837_20190905T1601330_C001  CS_OFFL_SIR_NOPR_2_20190905T162837_20190905T1601330_C001  CS_OFFL_SIR_NOPR_2_20190905T162837_20190905T164519_C001  CS_OFFL_SIR_NOPR_2_20190905T164401_20190905T164519_C001  CS_OFFL_SIR_NOPR_2_20190905T164401_20190905T164519_C001  CS_OFFL_SIR_NOPR_2_20190905T182424_20190905T182531_C001  CS_OFFL_SIR_NOPR_2_20190905T192424_20190905T194646_C001  CS_OFFL_SIR_NOPR_2_20190905T192424_20190905T194646_C001  CS_OFFL_SIR_NOPR_2_20190905T192231_20190905T194646_C001  CS_OFFL_SIR_NOPR_2_20190905T192231_20190905T194646_C001  CS_OFFL_SIR_NOPR_2_20190905T192231_20190905T194646_C001  CS_OFFL_SIR_NOPR_2_20190905T192231_20190905T194646_C001  CS_OFFL_SIR_NOPR_2_20190905T202312_20190905T202522_C001  CCOGA Allimeter Range and Backscatter Quality PLRM. CCOGA Blameter Range and Backscatter Quality PLRM. CCOGA Allimeter Range and Backscatter Quality Flags have been set for one or more records.  CCOGA Allimeter Range and Backscatter Quality Flags have been set for one or more records.  CCOGA Allimeter Range and Backscatter Quality Flags have been set for one or more records.  CCOGA Allimeter Range and Backscatter Quality Flags have been set for	CS_OFFL_SIR_NOPR_2_20190905T140114_20190905T140207_C001		
GS_OFFL_SIR_NOPR_2_2019995T149402_20199995T169134_CO01  GS_OFFL_SIR_NOPR_2_2019995T155457_20199995T169134_CO01  GS_OFFL_SIR_NOPR_2_2019995T155457_20199995T169134_CO01  GS_OFFL_SIR_NOPR_2_2019995T162837_20199995T169139_CO01  GS_OFFL_SIR_NOPR_2_2019995T162837_20199995T169139_CO01  GS_OFFL_SIR_NOPR_2_2019995T164401_20199995T164619_CO01  GS_OFFL_SIR_NOPR_2_20199995T182837_20199995T182831_CO01  GS_OFFL_SIR_NOPR_2_20199995T182831_CO01  GS_OFFL_SIR_NOPR_2_20199995T182831_CO01  GS_OFFL_SIR_NOPR_2_20199995T182831_CO01  GS_OFFL_SIR_NOPR_2_20199995T182831_CO01  GS_OFFL_SIR_NOPR_2_20199995T182831_CO01  GS_OFFL_SIR_NOPR_2_20199995T194245_20199995T194646_CO01  GS_OFFL_SIR_NOPR_2_20199995T194245_20199995T194646_CO01  GS_OFFL_SIR_NOPR_2_20199995T202342_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T202342_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T203442_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T203442_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T203442_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T203442_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T203442_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T203442_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T203442_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T203442_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T203442_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T204442_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T204442_20199995T204324_CO01  GS_OFFL_SIR_NOPR_2_20199995T204442_20199995T204324_CO01  GCOG Altimeter Range Guality PLRM. CCOG Backscatter Quality PLRM. CCOG GBackscatter Quality	CS_OFFL_SIR_NOPR_2_20190905T143801_20190905T143928_C001		
OCOG 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_20190905T16401_20190905T164619_C001  CS_OFFL_SIR_NOPR_2_20190905T16401_20190905T164619_C001  CS_OFFL_SIR_NOPR_2_20190905T16401_20190905T164619_C001  CS_OFFL_SIR_NOPR_2_20190905T16401_20190905T164619_C001  CS_OFFL_SIR_NOPR_2_20190905T180623_20190905T181325_C001  CS_OFFL_SIR_NOPR_2_20190905T180623_20190905T180523_C001  CS_OFFL_SIR_NOPR_2_20190905T180623_20190905T180523_C001  CS_OFFL_SIR_NOPR_2_20190905T180623_20190905T194646_C001  CS_OFFL_SIR_NOPR_2_20190905T194245_20190905T194664_C001  CS_OFFL_SIR_NOPR_2_20190905T194245_20190905T194664_C001  CS_OFFL_SIR_NOPR_2_20190905T194245_20190905T200542_C001  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200542_C001  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200542_C001  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200542_C001  CS_OFFL_SIR_NOPR_2_20190905T20341_20190905T200542_C001  CS_OFFL_SIR_NOPR_2_20190905T20341_20190905T200542_C001  CS_OFFL_SIR_NOPR_2_20190905T20341_20190905T200542_C001  CS_OFFL_SIR_NOPR_2_20190905T20341_20190905T200542_C001  CS_OFFL_SIR_NOPR_2_20190905T20341_20190905T200542_C001  CS_OFFL_SIR_NOPR_2_20190905T20341_20190905T200542_C001  CS_OFFL_SIR_NOPR_2_20190905T20341_20190905T200542_C001  CS_OFFL_SIR_NOPR_2_20190905T20341_20190905T200542_C001  CS_OFFL_SIR_NOPR_2_20190905T20341_20190905T204324_C001  CCS_OFFL_SIR_NOPR_2_20190905T20341_20190905T204324_C001  CCS_OFFL_SIR_NOPR_2_20190905T20341_20190905T204324_C001  CCS_OFFL_SIR_NOPR_2_20190905T20341_20190905T204324_C001  CCS_OFFL_SIR_NOPR_2_20190905T20341_20190905T204324_C001  CCS_OFFL_SIR_NOPR_2_20190905T20341_20190905T204324_C001  CCS_OFFL_SIR_NOPR_2_20190905T20341_20190905T204324_C001  CCCS_OFFL_SIR_NOPR_2_20190905T20341_20190905T204324_C001  CCCS_OFFL_SIR_NOPR_2_20190905T20341_20190905T204324_C001  CCCS_OFFL_SIR_NOPR_2_20190905T20341_20190905T204324_C001  CCCS_OFFL_SIR_NOPR_2_20190905T20341_20190905T204324_C001  CCCS_OFFL_SIR_NOPR_2_20190905T20341_20190	CS_OFFL_SIR_NOPR_2_20190905T144902_20190905T145307_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 have been set for one or more records.  CS_OFFL_SIR_NOPR_2_20190905T164401_20190905T1645125_CO11  Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM	CS_OFFL_SIR_NOPR_2_20190905T155457_20190905T160134_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM  CS_OFFL_SIR_NOPR_2_20199905T180623_20199905T181325_C001  CS_OFFL_SIR_NOPR_2_20199905T182424_20199905T182531_C001  CS_OFFL_SIR_NOPR_2_20199905T182424_20199905T182531_C001  CS_OFFL_SIR_NOPR_2_20199905T194245_20199905T194646_C001  CS_OFFL_SIR_NOPR_2_20199905T292424_20199905T290502_C001  CS_OFFL_SIR_NOPR_2_20199905T203424_20199905T2050502_C001  CS_OFFL_SIR_NOPR_2_20199905T203412_20199905T205242_C001  CS_OFFL_SIR_NOPR_2_20199905T203412_20199905T204324_C001  CS_OFFL_SIR_NOPR_2_20199905T203412_20199905T204324_C001  CS_OFFL_SIR_NOPR_2_20199905T203412_20199905T204324_C001  CS_OFFL_SIR_NOPR_2_20199905T203412_20199905T204324_C001  CS_OFFL_SIR_NOPR_2_20199905T20307_20199905T204324_C001  CCG_Altimeter Range_Quality PLRM, CCG_OBackscatter Quality PLRM, CCG_OBACks	CS_OFFL_SIR_NOPR_2_20190905T162837_20190905T163309_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20190905T180623_20190905T181325_CO01  and Backscatter Quality PLRM. COCG Altimeter Range and Backscatter Quality Plags have been set for one or more records.  CS_OFFL_SIR_NOPR_2_20190905T194245_20190905T194646_CO01  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200502_CO01  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T202542_CO01  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T204324_CO01  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T204324_CO01  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T204324_CO01  CS_OFFL_SIR_NOPR_2_20190905T20307_20190905T204324_CO01  CS_OFFL_SIR_NOPR_2_20190905T20307_20190905T20427_CO01  CS_OFFL_SIR_NOPR_2_20190905T20307_20190905T204324_CO01  CS_OFFL_SIR_NOPR_2_20190905T20442_D0190905T20447_CO01  CS_OFFL_SIR_NOPR	CS_OFFL_SIR_NOPR_2_20190905T164401_20190905T164619_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Plags and the OCOG Altimeter Range	CS_OFFL_SIR_NOPR_2_20190905T180623_20190905T181325_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200502_C001  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200502_C001  CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200502_C001  CS_OFFL_SIR_NOPR_2_20190905T202311_20190905T202542_C001  CS_OFFL_SIR_NOPR_2_20190905T202311_20190905T202542_C001  CS_OFFL_SIR_NOPR_2_20190905T202311_20190905T202324_C001  CS_OFFL_SIR_NOPR_2_20190905T204142_20190905T204324_C001  CS_OFFL_SIR_NOPR_2_20190905T204142_20190905T204324_C001  CS_OFFL_SIR_NOPR_2_20190905T20307_20190905T210427_C001  CS_OFFL_SIR_NOPR_2_20190905T210307_20190905T210427_C001  CS_OFFL_SIR_NOPR_2_20190905T222321_20190905T222728_C001  CS_OFFL_SIR_NOPR_2_20190905T2232142_20190905T232407_C001  CS_OFFL_SIR_NOPR_2_20190905T2232142_20190905T232407_C001  CS_OFFL_SIR_NOPR_2_20190905T2232142_20190905T232407_C001  CS_OFFL_SIR_NOPR_2_20190905T2232142_20190905T232407_C001  CS_OFFL_SIR_NOPR_2_20190905T2232142_20190905T232407_C001  CS_OFFL_SIR_NOPR_2_20190905T2232142_20190905T232407_C001  CS_OFFL_SIR_NOPR_2_20190905T2232142_20190905T232407_C001  CS_OFFL_SIR_NOPR_2_20190905T2232142_20190905T232407_C001  CS_OFFL_SIR_NOPR_2_20190905T232142_20190905T232407_C001  CS_OFFL_SIR_NOPR_2_20190905T2323407_C001  CS_OFFL_SIR_NOPR_2_20190905T2233407_C001  CS_OFFL_SIR_NOPR_	CS_OFFL_SIR_NOPR_2_20190905T182424_20190905T182531_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 oco Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPR_2_20190905T202311_20190905T202542_C001  CS_OFFL_SIR_NOPR_2_20190905T202311_20190905T202542_C001  CS_OFFL_SIR_NOPR_2_20190905T204142_20190905T204324_C001  CS_OFFL_SIR_NOPR_2_20190905T204142_20190905T204324_C001  CS_OFFL_SIR_NOPR_2_20190905T210307_20190905T210427_C001  CS_OFFL_SIR_NOPR_2_20190905T222321_20190905T222728_C001  CS_OFFL_SIR_NOPR_2_20190905T222321_20190905T222728_C001  CS_OFFL_SIR_NOPR_2_20190905T222321_20190905T222728_C001  CS_OFFL_SIR_NOPR_2_20190905T222321_20190905T222728_C001  CS_OFFL_SIR_NOPR_2_20190905T232142_20190905T232407_C001  CS_OFFL_SIR_NOPR_2_20190905T232142_20190905T232407_C	CS_OFFL_SIR_NOPR_2_20190905T194245_20190905T194646_C001		
CS_OFFL_SIR_NOPR_2_20190905T204142_20190905T204324_C001  OCOG Backscatter Quality  OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.  OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.  OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  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.  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20190905T200342_20190905T200502_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20190905T210307_20190905T210427_C001  CS_OFFL_SIR_NOPR_2_20190905T220321_20190905T222728_C001  CS_OFFL_SIR_NOPR_2_20190905T222321_20190905T222728_C001  CS_OFFL_SIR_NOPR_2_20190905T222321_20190905T222728_C001  CS_OFFL_SIR_NOPR_2_20190905T232142_20190905T232407_C001	CS_OFFL_SIR_NOPR_2_20190905T202311_20190905T202542_C001		
OCOG Backscatter Quality  The Ocean 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, 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 Altimeter Range and Backscatter Quality Flags Altimeter R	CS_OFFL_SIR_NOPR_2_20190905T204142_20190905T204324_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 Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPR_2_20190905T232142_20190905T232407_C001  and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter 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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Rang	CS_OFFL_SIR_NOPR_2_20190905T210307_20190905T210427_C001		
CS_OFFL_SIR_NOPR_2_20190905T232142_20190905T232407_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20190905T222321_20190905T222728_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPR_2_20190905T232142_20190905T232407_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

# 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:

### 163

## 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.

## 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:

400