

## **QA4EO Daily Report for NOP data:**

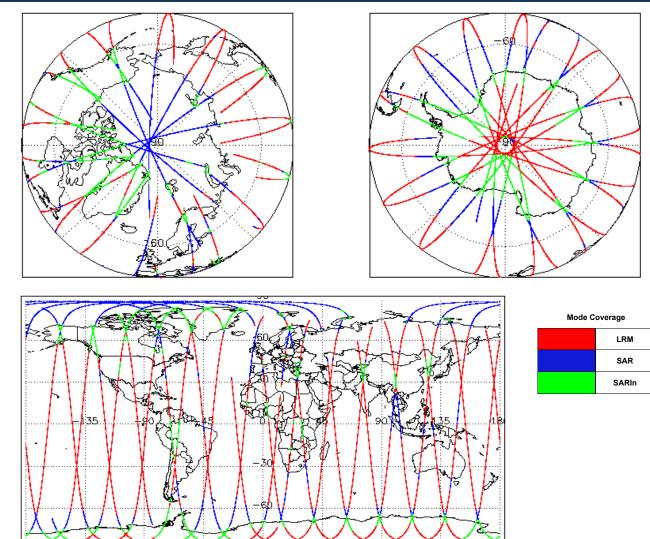
<u>25/06/2020</u>

Panart Braduation	26-Jun-2020	Check	L1 & L2
Report Production:	26-Jun-2020	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor used.	CryoSat Ocean Processor	Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP)	Product Format Check	Nominal
Data Useu.	L1B & L2 Science Data	Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	See Section 5.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
		Measurement Quality Flag Check	See Section 5.6
		Ocean Retracking Quality Check	See Section 5.7
		QCC Error/ Warning Check	See Section 7.1 and 7.2

1. Overview

mission / instrument News			
24-Jun-2020	None		
25-Jun-2020	None		
26-Jun-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).

0

### 4.2 L1B Product Header Analysis

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

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

Number of products with errors:

#### 4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

#### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

#### 4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update. 3

## Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200625T001406_20200625T001847_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20200625T033935_20200625T035253_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20200625T050313_20200625T051636_C001		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.

18

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200625T050313_20200625T051636_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200625T145346_20200625T145923_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200625T151427_20200625T152330_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200625T164238_20200625T165207_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200625T022419_20200625T022941_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200625T031518_20200625T031842_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200625T031852_20200625T031926_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200625T045659_20200625T045925_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200625T053556_20200625T053937_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200625T063334_20200625T063557_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200625T144510_20200625T144615_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200625T162022_20200625T162539_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200625T180026_20200625T180425_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200625T125357_20200625T125505_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200625T135028_20200625T135227_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200625T144625_20200625T145346_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200625T170127_20200625T170239_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200625T180718_20200625T181118_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. NOP Level 2 Data Quality Check

### 5.1 L2 Product Format Check

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

#### 5.2 L2 Product Header Analysis

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

### 5.3 L2 Auxiliary Data File Usage Check

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

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Corection, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update.

> Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.

42

> 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:

CS_OFFL_SIR_NOPM_2_20200625T230836_20200625T231049_C001 CS_OFFL_SIR_NOPN_2_20200625T003842_20200625T004007_C001 CS_OFFL_SIR_NOPN_2_20200625T004517_20200625T004823_C001	Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	There is an error with the Mean Dynamic Topography height for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
	Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20200625T004517_20200625T004823_C001		Topography height (solution 1) for one or more records
	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_20200625T021911_20200625T022208_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_20200625T022419_20200625T022941_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_20200625T031518_20200625T031842_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_20200625T031852_20200625T031926_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_20200625T035855_20200625T040130_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_20200625T045413_20200625T045526_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_20200625T053146_20200625T053248_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_20200625T053556_20200625T053937_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_20200625T063334_20200625T063557_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_20200625T071613_20200625T071804_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_20200625T080830_20200625T080859_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_20200625T081320_20200625T081754_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_20200625T095526_20200625T100035_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_20200625T103544_20200625T103926_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_20200625T121513_20200625T121830_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_20200625T122342_20200625T122507_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_20200625T130606_20200625T130703_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_20200625T140249_20200625T140356_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_20200625T144510_20200625T144615_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_20200625T144620_20200625T144625_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_20200625T162022_20200625T162539_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_20200625T171820_20200625T172433_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_20200625T180026_20200625T180425_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_20200625T193858_20200625T194247_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_20200625T211330_20200625T211939_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), 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), 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_20200625T220805_20200625T220929_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_20200625T221745_20200625T221903_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_20200625T231731_20200625T231940_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_20200625T235436_20200625T235745_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_20200625T080859_20200625T081320_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_20200625T094540_20200625T095526_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_20200625T112652_20200625T113439_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_20200625T130703_20200625T131615_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_20200625T144626_20200625T145346_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_20200625T162539_20200625T163059_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_20200625T180425_20200625T180718_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_20200625T180718_20200625T181118_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_20200625T225910_20200625T230225_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_20200625T231657_20200625T231731_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

## 5.5 L2 Measurement Confidence Data Check

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

	Number of products with errors:	
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Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200625T001406_20200625T001847_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_20200625T033935_20200625T035253_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_20200625T050313_20200625T051636_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.

3

> OCOG Altimeter Range and Backscatter Quality Flags: These flags are currently set for some records over continental ice.

90

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200624T235900_20200625T000016_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_20200625T001856_20200625T003556_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_20200625T004007_20200625T004517_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_20200625T005150_20200625T012757_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_20200625T013748_20200625T013941_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_20200625T014955_20200625T015433_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_20200625T015511_20200625T021314_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_20200625T022208_20200625T022419_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_20200625T023146_20200625T030755_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_20200625T032013_20200625T033851_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_20200625T033935_20200625T035253_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_20200625T040130_20200625T040328_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_20200625T040454_20200625T040830_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_20200625T041042_20200625T042552_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_20200625T042753_20200625T043717_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.

Die Serviellen Unter Verstein         Bestealen Costy         Im eine name einen           Die Serviellen Unter Verstein         Bestealen Costy         Im eine Name Verstein           Die Serviellen Unter Verstein         Bestealen Costy         Im eine Name Verstein           Die Serviellen Unter Verstein         Bestealen Costy         Im eine Name Verstein         Bestealen Costy           Die Serviellen Unter Verstein         Bestealen Costy         Im eine Name Verstein         Bestealen Costy         Bestealen Costy </th <th></th> <th></th> <th></th>			
CH, DEP, UBN NOPH, 2. 200805710028, 200005710029, 2001       and Execution Calify CDCM       and Execution Calify CDCM         CH, DEP, UBN NOPH, 2. 200805710019, 2000057151002, 2001       Construction Calify CDCM       The Construction Calify CDCM         CH, DEP, UBN NOPH, 2. 200805710019, 2000057151002, 2001       Construction Calify CDCM       The Construction Calify CDCM         CH, DEP, UBN NOPH, 2. 200805710019, 2000057151002, 2001       Construction Calify CDCM       The Construction Calify CDCM         CH, DEP, UBN NOPH, 2. 2008057100104, 20000597100102, 2001       CONSTRUCTION CALIFY CALI	CS_OFFL_SIR_NOPM_2_20200625T045526_20200625T045659_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Dig. Opting, URE, UREMUG, 2, 202040517105119, 203000577151512         Dotted Sciences Calify, COCID         Intel the COCID Alteriater Range, 2014, 2014         Dotted Sciences Calify, COCID           C.B., OPTIN, UREMUG, 2, 202040537105149, 203000577151532         Dotted Sciences Calify, COCID         Dotted Sciences Calify, COCID         Dotted Sciences Calify, COCID           C.B., OPTIN, UREMUG, 2, 202040537105149, 203000577151532         DOTTE, UREMUG, COCID         Dotted Sciences Calify, COCID         Dotted Scienc	CS_OFFL_SIR_NOPM_2_20200625T045925_20200625T050212_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C2: 0FL SR, NDM 2 2000021100349 2000021100349 2000021100349 (2000021100349 2000021100	CS_OFFL_SIR_NOPM_2_20200625T050313_20200625T051636_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Capert, Ser, Vortu, Ser, Vortus, 2.20200231100302, Capert, Ser, Vortus, 2.20200231100201, Capert, Ser, Vortus, 2.20200231100302, Capert, Ser, Vortus, 2	CS_OFFL_SIR_NOPM_2_20200625T053248_20200625T053357_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Corp. Link (NPH) 2, 20000051100000, 200000251100000, 20000025100000, 20000025100000, 20000025100000, 20000025100000, 20000025100000, 20000025100000, 20000025100000, 20000025100000, 20000025100000, 20000025100000, 20000025100000, 20000025100000, 20000025100000, 20000025100000, 20000025100000, 200000251070400, 20000025100000, 200000251070400, 20000025100000, 20000002100000, 20000025100000, 20000025100000, 20000025100000, 200	CS_OFFL_SIR_NOPM_2_20200625T053949_20200625T054253_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CB_OFFL_SR_NOPM_2_202000371005510_00200251100542_0001     minimize Range and Backsatter Quality Flags have been well advected Flags	CS_OFFL_SIR_NOPM_2_20200625T054258_20200625T054731_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
C3_OFFL_SR_V0PM_2_20200025100045_000005100454_00001 and Backstatter Quality CCG APRL_SR_V0PM_2_202000251000454_0020005107405_0001 APRICE Range and Backstatter Quality CCG APRL_SR_V0PM_2_202000251070205_000005107407_0001 C5_OFFL_SR_V0PM_2_202000251070205_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251070205_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251070205_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251070205_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251070205_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251070205_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251070205_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251072005_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251072005_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251072005_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251072005_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251072005_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251072005_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251072005_00005107407_0001 C5_OFFL_SR_V0PM_2_202000251072005_00005107407_0001 C5_OFFL_SR_V0PM_2_20200025100200_00005108338_0001 C5_OFFL_SR_V0PM_2_202000251082700_00005108338_0001 C5_OFFL_SR_V0PM_2_202000251082700_00005108338_0001 C5_OFFL_SR_V0PM_2_202000251082700_00005108338_0001 C5_OFFL_SR_V0PM_2_202000251082700_00005108338_0001 C5_OFFL_SR_V0PM_2_202000251082700_0005108338_0001 C5_OFFL_SR_V0PM_2_202000251082700_0005_000053_000530 C5_OFFL_SR_V0PM_2_202000251082700_0005_00055_00005 C5_OFFL_SR_V0PM_2_202000251082700_0005_00055_00005 C5_OFFL_SR_V0PM_2_20200025108270_0005_00055_00005 C5_OFFL_SR_V0PM_2_20200025108270_0005_000055_00005 C5_OFFL_SR_V0PM_2_202000251082700_005_000055_000055_00005 C5_OFFL_SR_V0PM_2_20200025108270_0005_00055_00005 C5_OFFL_SR_V0PM_2_20200025108270_0005_00055_00005 C5_OFFL_SR_V0PM_2_20200025108270_0005_00055_00005 C5_OFFL_SR_V0PM_2_20200025108270_0005 C5_OFFL_SR_V0PM_2_20200025108270_0005 C5_OFFL_SR_V0PM_2_20200025108260_0001 C5_OFFL_SR_V0PM_2_20200025108260_0001 C5_OFFL_SR_V0PM_2_20200025108260_0001 C5_OFFL_SR_V0PM_2_20200025108260_0001 C5_OFFL_SR_V0PM_2_20200025108260_0001 C5_OFFL_SR_V0PM_2_202000251	CS_OFFL_SIR_NOPM_2_20200625T055016_20200625T060422_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_DFFL_SIR_NOPM_2_20200625106/254_202006251076506_C001         and Backatalie Cuality Figs have been and figs have been and backatalie Cuality Figs hav	CS_OFFL_SIR_NOPM_2_20200625T060428_20200625T060454_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SR_NOPM_2_20200625107602_20200625107490_001       and Backastate Cuality, OCCG       and the OCCG Allineter Range and Backastate Cuality Rags have been set for an or more recerds.         CS_OFFL_SR_NOPM_2_202006251074025_20200625107405_C001       OCCG Allineter Range Cuality, OCCG       The OCCG Allineter Range, SIM, SWH       The OCCG Allineter Range, SIM, SWH         CS_OFFL_SR_NOPM_2_202006251074045_C001       OCCG Allineter Range, SIM, SWH       The OCCG Allineter Range, SIM, SWH       The OCCG Allineter Range, SIM, SWH         CS_OFFL_SR_NOPM_2_202006251075405_C001       OCCG Allineter Range, SIM, SWH       The OCCG Allineter Range, SIM, SWH       The OCCG Allineter Range, SIM, SWH         CS_OFFL_SR_NOPM_2_202006251075405_C001       OCCG Allineter Range, SIM, SWH       The OCCG Allineter Range and Backacatte Cuality Flags have been set for an or more recrits.         CS_OFFL_SIR_NOPM_2_202006251095538_C001       OCCG Allineter Range Cuality, OCCG       The OCCG Allineter Range and Backacatter Cuality Flags have been set for an or more recrits.         CS_OFFL_SIR_NOPM_2_202006251095538_C001       OCCG Allineter Range Cuality, OCCG       The OCCG Allineter Range and Backacatter Cuality Flags have been set for an or more recrits.         CS_OFFL_SIR_NOPM_2_2020062510955_20200625109540_C001       OCCG Allineter Range, SIM, SWH       The OCCG Allineter Range and Backacatter Cuality Flags have been set for an or more recrits.         CS_OFFL_SIR_NOPM_2_20200625110035_202006251103214_C001       OCCGA Allineter Range, SIM, SWH       The OCCGA Allineter Range and Backacatter Cuality F	CS_OFFL_SIR_NOPM_2_20200625T064254_20200625T065005_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
OpenL_SIR_NOPM_2_000002511/2003_000002511/2003         Baskscatter Quality         for one or more records.           CS_OFFL_SIR_NOPM_2_20200625107304_20200625107565_C011         Ocean Allineter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Guality Flags have been and Backscatter Quality Flags have be	CS_OFFL_SIR_NOPM_2_20200625T065024_20200625T071450_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200625T07300_20200625T076456_0001         and Backscatter Quality, OCOG Allimeter Range, SSHA, SWH at Backscatter Quality, COG Allimeter Range, SSHA, SWH at Backscatter Quality, CoG Allimeter Range, SSHA, SWH at Backscatter Quality, Flags have been at for one or more records.           CS_OFFL_SIR_NOPM_2_20200625T090016_020200625T090430_C001         Docen Allimeter Range, SSHA, SWH at Backscatter Quality, Flags have been at for one or more records.           CS_OFFL_SIR_NOPM_2_20200625T090016_020200625T090430_C001         DOCO Allimeter Range, SSHA, SWH at Backscatter Quality, COCO Allimeter Range and Backscatter Quality, Flags have been at for one or more records.           CS_OFFL_SIR_NOPM_2_20200625T090455_02000625T090430_C001         DOCO Allimeter Range, SSHA, SWH and Backscatter Quality, COCO Allimeter Range, SSHA, SWH and Backscatter Quality, COCO Allimeter Range, SSHA, SWH and Backscatter Quality, COCO Allimeter Range, SSHA, SWH and Backscatter Quality, Flags have been at for one or more records.           CS_OFFL_SIR_NOPM_2_20200625T1090455_02000625T109214_0001         Ocean Allimeter Range, SSHA, SWH and Backscatter Quality, COCO Allimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Allimeter Range and Backscatter Quality, Flags have been at tor one or more records.           CS_OFFL_SIR_NOPM_2_20200625T109205_00025T109214_0001         Ocean Allimeter Range, SSHA, SWH and Backscatter Quality, Flags have been at the COCO Allimeter Range and Backscatter Quality, Flags have been at the COCO Allimeter Range and Backscatter Quality, Flags have been at the COCO Allimeter Range and Backscatter Quality, Flags have been at the COCO Allimeter Range and Backscatter Quality, Flags have been at the COCO Allimeter Range and Backscatter Quality, Flags have been at the COCO Allim	CS_OFFL_SIR_NOPM_2_20200625T072025_20200625T072627_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_2020025T082700_20200625T09338_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       inte OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T090055_20200625T093737_C001       Docean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, 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 have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been and the OCOG 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, 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 A	CS_OFFL_SIR_NOPM_2_20200625T073004_20200625T075456_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200625109015_202006251093737_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_NOPM_2_202006251090355_202006251093737_C001       Decan 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 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 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. SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range. SSHA, SWH and Backscatter Quality F	CS_OFFL_SIR_NOPM_2_20200625T082700_20200625T085338_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200825T090357_C001         and Backscatter Quality Sector         and the COCGA Illimeter Range and Backscatter Quality Flags have been Allimeter Range and Backscatter Quality set for one or more records.           CS_OFFL_SIR_NOPM_2_20200825T094441_20200825T094540_C001         Dcean Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been all backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_NOPM_2_20200625T10035_20200625T103214_C001         Dcean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_NOPM_2_20200625T104758_20200625T104507_C001         DCGCA Illimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_NOPM_2_20200625T104758_20200625T105249_C001         DCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_NOPM_2_20200625T113837_20200625T12150_C001         Dcean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_NOPM_2_20200625T122342_C001         DCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_NOPM_2_20200625T122731_20200625T124518_C001         DCCGA Altimeter Range, SSHA, SWH and Backscatte	CS_OFFL_SIR_NOPM_2_20200625T090015_20200625T090430_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200625T094441_20200625T094540_C001       and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, Plags and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T103926_20200625T1039214_C001       OCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T103926_20200625T104507_C001       OCCGA Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T104758_20200625T105249_C001       OCGA Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T113837_20200625T121150_C001       Ocean Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T121830_20200625T122342_C001       Ocean Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T122342_C001       OCGG Altimeter Range Quality, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T122342_C001       OCGG Altimeter Range Quality, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T12436_20200625T124518_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Qu	CS_OFFL_SIR_NOPM_2_20200625T090855_20200625T093737_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200625T100035_20200625T103214_C001       and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality       set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T103926_20200625T104507_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_20200625T104758_20200625T105249_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, CCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T121150_C001       Ocean Altimeter Range Quality, OCOG Backscatter Quality, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T1211516_C001       Ocean Altimeter Range Quality, OCOG Backscatter Quality, OCOG Attimeter Range and Backscatter Quality Flags ha	CS_OFFL_SIR_NOPM_2_20200625T094441_20200625T094540_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_202006251103926_202006251104507_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T104758_20200625T105249_C001       Dcean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, SCOG Altimeter Range and Backscatter Quality, SCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T121830_20200625T122342_C001       OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T122731_20200625T124518_C001       OCCA Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T122731_20200625T125357_C001       OCCGA Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T130322_20200625T130354_C001       OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T130322_20200625T130354_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more recor	CS_OFFL_SIR_NOPM_2_20200625T100035_20200625T103214_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200625T104758_20200625T105249_C001       and Backscatter Quality, OCOG       and the OCOG Attimeter Range and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20200625T113837_20200625T121150_C001       Ocean Attimeter Range and Backscatter Quality       The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T121830_20200625T122342_C001       OCOG Attimeter Range Quality, OCOG       The OCCG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T121830_20200625T122342_C001       OCOG Attimeter Range Quality, OCOG       The OCCG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T122731_20200625T122342_C001       OCCGG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.       The OCCG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T122731_20200625T124518_C001       Ocean Attimeter Range Quality, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T124836_20200625T125357_C001       OCCG Attimeter Range Quality, OCCG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T130354_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T1310354_C001       Ocean Attimeter Range, SSHA,	CS_OFFL_SIR_NOPM_2_20200625T103926_20200625T104507_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200625T113837_20200625T121150_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T121830_20200625T122342_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_20200625T122731_20200625T122731_20200625T124518_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T124536_20200625T125357_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T130354_C001       OCCGA Altimeter Range, Quality, 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.         CS_OFFL_SIR_NOPM_2_20200625T130354_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Igas have been set for one or more records. </td <td>CS_OFFL_SIR_NOPM_2_20200625T104758_20200625T105249_C001</td> <td>and Backscatter Quality, OCOG</td> <td>The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.</td>	CS_OFFL_SIR_NOPM_2_20200625T104758_20200625T105249_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_202006251121830_202006251122342_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T122731_20200625T124518_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T124836_20200625T125357_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_20200625T130322_20200625T130354_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T130322_20200625T130354_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T131615_20200625T135028_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and Backscatter Quality, OCOG       The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200625T113837_20200625T121150_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200625T122731_20200625T124518_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T124836_20200625T125357_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_20200625T124836_20200625T125357_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T130322_20200625T130354_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality, Isags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T131615_20200625T135028_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG       The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags 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	CS_OFFL_SIR_NOPM_2_20200625T121830_20200625T122342_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200625T124336_20200625T130354_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T130322_20200625T130354_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG       The Ocean Altimeter Range and Backscatter Quality set for one or more records.         CS_OFFL_SIR_NOPM_2_20200625T130352_20200625T130354_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backsca	CS_OFFL_SIR_NOPM_2_20200625T122731_20200625T124518_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200625T130322_20200625T130354_C001       and Backscatter Quality, OCOG       and the OCOG Altimeter Range and Backscatter Quality Flags have been been been been been been been be	CS_OFFL_SIR_NOPM_2_20200625T124836_20200625T125357_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200625T131615_20200625T135028_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20200625T130322_20200625T130354_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	CS_OFFL_SIR_NOPM_2_20200625T131615_20200625T135028_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200625T135618_20200625T135829_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been see for one or more records.	CS_OFFL_SIR_NOPM_2_20200625T135618_20200625T135829_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPM_2_20200625T140730_20200625T143219_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_20200625T144341_20200625T144510_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_20200625T145346_20200625T145923_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_20200625T145948_20200625T150807_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_20200625T151427_20200625T152330_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_20200625T152530_20200625T152953_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_20200625T153208_20200625T153728_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_20200625T153747_20200625T153954_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_20200625T154841_20200625T155952_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_20200625T160259_20200625T161134_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_20200625T161301_20200625T162022_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_20200625T164238_20200625T165207_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_20200625T165409_20200625T170127_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_20200625T170239_20200625T170847_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_20200625T171133_20200625T171628_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_20200625T172505_20200625T172725_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_20200625T174413_20200625T174643_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_20200625T174646_20200625T175046_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_20200625T175216_20200625T175530_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_20200625T183223_20200625T184737_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_20200625T185116_20200625T185555_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_20200625T185601_20200625T185610_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_20200625T190258_20200625T192541_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_20200625T192552_20200625T193651_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_20200625T200157_20200625T202707_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_20200625T203020_20200625T203456_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_20200625T203515_20200625T203840_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_20200625T204208_20200625T210840_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_20200625T211035_20200625T211330_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_20200625T213719_20200625T213942_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_20200625T213946_20200625T214029_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_20200625T214032_20200625T220632_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_20200625T220929_20200625T221409_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_20200625T222206_20200625T225534_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_20200625T230836_20200625T231049_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_20200625T233951_20200625T234222_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_20200625T234914_20200625T235436_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_20200625T053556_20200625T053937_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_20200625T113439_20200625T113607_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_20200625T124518_20200625T124836_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_20200625T202836_20200625T203020_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_20200625T212840_20200625T212911_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_20200625T220805_20200625T220929_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_20200625T042552_20200625T042753_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_20200625T152330_20200625T152530_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_20200625T175653_20200625T175920_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_20200625T181653_20200625T181707_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_20200625T190101_20200625T190258_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_20200625T231657_20200625T231731_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
L2 Quality Flags (20Hz PLRM)		

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.

78

Number of products with errors:

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CS_OFFL_SIR_NOPN_2_20200625T000016_20200625T000113_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_20200625T022419_20200625T022941_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_20200625T030849_20200625T030944_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_20200625T031852_20200625T031926_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_20200625T043717_20200625T044039_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_20200625T045413_20200625T045526_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_20200625T045659_20200625T045925_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_20200625T051636_20200625T052201_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_20200625T053146_20200625T053248_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_20200625T053556_20200625T053937_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_20200625T063334_20200625T063557_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_20200625T081320_20200625T081754_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_20200625T082344_20200625T082557_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_20200625T085550_20200625T085728_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_20200625T095526_20200625T100035_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_20200625T104507_20200625T104622_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_20200625T110202_20200625T110537_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_20200625T111644_20200625T111701_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_20200625T124518_20200625T124836_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_20200625T140249_20200625T140356_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_20200625T144149_20200625T144341_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_20200625T144510_20200625T144615_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_20200625T153954_20200625T154105_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_20200625T154105_20200625T154137_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_20200625T163059_20200625T163123_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_20200625T163833_20200625T164238_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_20200625T171820_20200625T172433_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_20200625T173429_20200625T173557_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_20200625T180026_20200625T180425_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_20200625T182158_20200625T182410_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_20200625T193651_20200625T193813_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_20200625T193858_20200625T194247_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_20200625T195823_20200625T200157_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_20200625T202836_20200625T203020_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_20200625T203840_20200625T203955_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_20200625T211330_20200625T211939_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_20200625T220805_20200625T220929_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_20200625T221745_20200625T221903_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_20200625T231159_20200625T231226_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_20200625T232814_20200625T232842_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_20200625T235436_20200625T235745_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_20200625T000126_20200625T000455_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_20200625T003556_20200625T003842_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_20200625T004823_20200625T005150_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_20200625T021315_20200625T021911_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_20200625T022941_20200625T023146_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_20200625T030755_20200625T030849_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_20200625T035253_20200625T035855_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_20200625T060455_20200625T061311_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_20200625T072835_20200625T073004_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_20200625T085338_20200625T085550_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_20200625T094540_20200625T095526_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_20200625T103215_20200625T103543_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_20200625T105249_20200625T105729_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_20200625T112652_20200625T113439_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_20200625T113607_20200625T113646_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_20200625T121150_20200625T121513_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_20200625T122507_20200625T122731_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_20200625T130703_20200625T131615_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_20200625T140356_20200625T140730_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_20200625T144626_20200625T145346_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_20200625T154138_20200625T154841_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_20200625T160104_20200625T160259_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_20200625T161134_20200625T161301_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_20200625T162539_20200625T163059_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_20200625T165222_20200625T165409_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_20200625T175653_20200625T175920_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_20200625T175940_20200625T180026_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_20200625T180718_20200625T181118_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_20200625T181653_20200625T181707_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_20200625T182511_20200625T183015_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_20200625T183017_20200625T183223_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_20200625T202707_20200625T202835_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_20200625T212911_20200625T213133_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_20200625T221903_20200625T222206_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_20200625T225910_20200625T230225_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_20200625T233816_20200625T233951_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_20200625T234529_20200625T234747_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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

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

180

55

138

> 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:

## 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.

4

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:

## 7. NOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	148	148	3	145	0
SIR_NOPR1B	97	97	0	97	0
SIR_NOPN1B	111	111	0	111	0
SIR_NOPM_2	148	148	101	47	0
SIR_NOPR_2	97	97	31	65	1
SIR_NOPN_2	111	111	47	64	0

#### 7.1 QCC Errors

Number of QCC reports with errors:

Total number of occurrences of each error											
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_NOPR_2	1	1	1	1							
	·										

Test Description Key:		
Abbreviation	Test name	Details
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7 - NetCDF
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7 - NetCDF
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7

#### 7.2 QCC Warnings

## Number of QCC reports with warnings 1730

			i otai num	ber of occurrences of e	each warning			
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	
SIR_NOPM1B	145	0	0	0	0	0	0	
SIR_NOPM_2	0	0	33	36	0	38	0	
SIR_NOPN1B	107	0	0	0	0	0	0	
SIR_NOPN_2	0	0	10	37	5	24	29	
SIR_NOPR1B	91	0	0	0	0	0	0	
SIR_NOPR_2	0	1	39	48	0	35	36	
Product Type	RBSZOPOEPNCDF	RMSSGHOPONCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	CRPEPOPFDPLRMSINNC	RPEPOPFDSARNCDF	
SIR_NOPM1B	0	0	0	0	0	0	0	
SIR_NOPM_2	33	1	0	31	0	0	0	
SIR_NOPN1B	0	0	0	0	0	0	0	
SIR_NOPN_2	19	0	0	0	0	26	0	
SIR_NOPR1B	0	0	0	0	0	0	0	
SIR_NOPR_2	20	0	1	0	47	0	54	
Product Type	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	
SIR_NOPM1B	0	0	RPEPOPSARNCDF 0	RPEPOPSINNCDF 0	RSSBCONCDF 0	0	RSSHAOFDPLRMNCDF	
SIR_NOPM1B SIR_NOPM_2	0	RPEPOPLRMNCDF       0       24	RPEPOPSARNCDF       0       0	RPEPOPSINNCDF 0 0	RSSBCONCDF 0 0	0 24	RSSHAOFDPLRMNCDF 0 0	
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B	0 0 0	0	RPEPOPSARNCDF 0 0 0	0 0 0	0 0 0	0 24 0	0 0 0	
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN_2	0 0 0 36	0	RPEPOPSARNCDF 0 0 0 0 0	RPEPOPSINNCDF           0           0           0           32	RSSBCONCDF           0           0           0           20	0 24 0 46	RSSHAOFDPLRMNCDF 0 0 0 51	
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN_2 SIR_NOPR1B	0 0 0 36 0	0 24 0 0 0	0 0 0 0 0	0 0 0	0 0 0 20 0	0 24 0 46 0	0 0 0 51 0	
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN_2	0 0 0 36	0	RPEPOPSARNCDF           0           0           0           0           0           0           45	0 0 0	0 0 0	0 24 0 46	0 0 0	
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN_2 SIR_NOPR1B SIR_NOPR_2	0 0 36 0 0	0 24 0 0 0 0 0	0 0 0 0 0 45	0 0 32 0 0	0 0 20 0 3	0 24 0 46 0 57	0 0 51 0 36	
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN2 SIR_NOPR1B SIR_NOPR_2 Product Type	0 0 36 0 0 <b>RSSHAONCDF</b>	0 24 0 0 0	0 0 0 0 0	0 0 32 0 0	0 0 0 20 0	0 24 0 46 0	0 0 0 51 0	
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN_2 SIR_NOPR1B SIR_NOPR_2 Product Type SIR_NOPM1B	0 0 36 0 0 <b>RSSHAONCDF</b> 0	0 24 0 0 0 0 0 8 8 8 8 9 8 9 8 9 9 8 9 9 9 9	0 0 0 0 0 45	0 0 32 0 0	0 0 20 0 3	0 24 0 46 0 57	0 0 51 0 36	
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN2 SIR_NOPR1B SIR_NOPR2 Product Type SIR_NOPM1B SIR_NOPM2	0 0 36 0 0 <b>RSSHAONCDF</b> 0 3	0 24 0 0 0 0 0	0 0 0 0 0 45	0 0 32 0 0	0 0 20 0 3	0 24 0 46 0 57	0 0 51 0 36 SCSTODHRNCDF 0 0	
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN2 SIR_NOPR1B SIR_NOPR2 Product Type SIR_NOPM1B SIR_NOPM_2 SIR_NOPM1B	0 0 36 0 0 8 <b>RSSHAONCDF</b> 0 3 0	0 24 0 0 0 0 0 <b>RSWHOEPFDNCDF</b> 0 32 0	0 0 0 0 45 <b>RSWHOEPFDPLRMNCDF</b> 0 0 0	0 0 32 0 0 0 <b>RSWHOEPNCDF</b> 0 2 0	0 0 20 0 3	0 24 0 46 0 57	0 0 51 0 36	
SIR_NOPM1B SIR_NOPM_2 SIR_NOPM_2 SIR_NOPM_2 SIR_NOPM1B SIR_NOPM2 SIR_NOPM1B SIR_NOPM2 SIR_NOPM1B SIR_NOPM1B SIR_NOPM_2	0 0 36 0 0 <b>RSSHAONCDF</b> 0 3 0 30	0 24 0 0 0 0 0 8 8 8 8 9 8 9 8 9 9 8 9 9 9 9	0 0 0 0 0 45	0 0 32 0 0	0 0 20 0 3	0 24 0 46 0 57 <b>SOOHHIFHD</b> 0 0 0 5	0 0 5 51 0 36 <b>SCSTODHRNCDF</b> 0 0 50 0 0	
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B SIR_NOPN2 SIR_NOPR1B SIR_NOPR2 Product Type SIR_NOPM1B SIR_NOPM_2 SIR_NOPM1B	0 0 36 0 0 8 <b>RSSHAONCDF</b> 0 3 0	0 24 0 0 0 0 0 <b>RSWHOEPFDNCDF</b> 0 32 0	0 0 0 0 45 <b>RSWHOEPFDPLRMNCDF</b> 0 0 0	0 0 32 0 0 0 <b>RSWHOEPNCDF</b> 0 2 0	0 0 20 0 3	0 24 0 46 0 57	0 0 51 0 36 SCSTODHRNCDF 0 0	

Abbreviation	Test name	Details
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude between -70 and 70 degrees

RNELPOTONCDF         RangeNELPOceanTideOceanNetCDF         The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm           RPEPOPFDLRMNCDF         RangePeakinessExcludingPolarOPFD2LRMNetCDF         The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes and 70 degrees           RPEPOPFDPLRMSAR         RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPFDPLRMSINN         RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPFDSARNCDF         RangePeakinessExcludingPolarOPFD2SARNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPFDSINNCDF         RangePeakinessExcludingPolarOPFD2SINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPFSINNCDF         RangePeakinessExcludingPolarOPSRNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPSINNCDF         RangePeakinessExcludingPolarOPSRNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPSINNCDF         RangePeakinessExcludingPolarOPSRNetCDF         The Peakiness should be between 0 and 90000 (or missing) for	oe = ocean -
RPEPOPFDLRMNCDF         RangePeakinessExcludingPolarOPFD2LRMNetCDF         The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes and 70 degrees           RPEPOPFDPLRMSAR NCDF         RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF         The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes and 70 degrees           RPEPOPFDPLRMSINN         RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPFDSARNCDF         RangePeakinessExcludingPolarOPFD2SARNetCDF         The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPFDSINNCDF         RangePeakinessExcludingPolarOPFD2SINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPLRMNCDF         RangePeakinessExcludingPolarOPFD2SINNetCDF         The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPSARNCDF         RangePeakinessExcludingPolarOPSARNetCDF         The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPSINNCDF         RangePeakinessExcludingPolarOPSARNetCDF         The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitude and 70 degrees           RSEGONCDF         RangePeakinessExcludingPolarOPSARNetCDF         The eakiness should be be	(or missing) for
NCDF RPEPOPFDPLRMSINN Reference         and 70 degrees           RPEPOPFDPLRMSINN RPEPOPFDSARNCDF         RangePeakinessExcludingPolarOPFD2SARNetCDF         The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPFDSINNCDF         RangePeakinessExcludingPolarOPFD2SARNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPFDSINNCDF         RangePeakinessExcludingPolarOPFD2SINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPSINNCDF         RangePeakinessExcludingPolarOPSARNetCDF         The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPSINNCDF         RangePeakinessExcludingPolarOPSARNetCDF         The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPSINNCDF         RangePeakinessExcludingPolarOPSINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RSSBCONCDF         RangeSeaSurfaceHeightAnomalyOceanNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type acean         The sea surface height anomaly should be between - 500mm and 3000mm (or missing) for surface type and 70 degrees           RSSHAONCDF         RangeSeaSurfaceHeightAnomalyOceanNetCDF         The sea surface height anomaly should be between - 3000mm and 3000mm (or	between -70
RPEPOPFDPLRMSINN         RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPFDSARNCDF         RangePeakinessExcludingPolarOPFD2SINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPFDSINNCDF         RangePeakinessExcludingPolarOPFD2SINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPSARNCDF         RangePeakinessExcludingPolarOPLRMNetCDF         The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPSARNCDF         RangePeakinessExcludingPolarOPSARNetCDF         The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPSINNCDF         RangePeakinessExcludingPolarOPSINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RSSBCONCDF         RangeSeaStateBiasCorrectionOceanNetCDF         The sea state bias correction should be between -3000mm and 0mm (or missing) for surface type recean           RSSHAOFDNCDF         RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF         The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface ocean           RSSHAOFDPLRMNCD         RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF         The sea surface height anomaly should be between -3000mm a	s between -70
RPEPOPFDSARNCDF         RangePeakinessExcludingPolarOPFD2SARNetCDF         The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPFDSINNCDF         RangePeakinessExcludingPolarOPFD2SINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPLRMNCDF         RangePeakinessExcludingPolarOPLRMNetCDF         The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes and 70 degrees           RPEPOPSARNCDF         RangePeakinessExcludingPolarOPSARNetCDF         The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitude and 70 degrees           RPEPOPSINNCDF         RangePeakinessExcludingPolarOPSARNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RSSBCONCDF         RangePeakinessExcludingPolarOPSINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees           RSSBCONCDF         RangeSeaSutfaceHeightAnomalyOceanFD3NetCDF         The sea state bias correction should be between -500mm and 300mm (or missing) for surface type ocean           RSSHAOFDPLRMNCD         RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF         The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface ocean           RSWHOEPFDNCDF         RangeSeaSurfaceHeightOceanExcludingPolarFD2NetCDF         The saguifacant wave height should be between 0mm and 150	s between -70
and 70 degrees         RPEPOPLRMNCDF       RangePeakinessExcludingPolarOPLRMNetCDF       The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes and 70 degrees         RPEPOPSARNCDF       RangePeakinessExcludingPolarOPSARNetCDF       The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes and 70 degrees         RPEPOPSINNCDF       RangePeakinessExcludingPolarOPSINNetCDF       The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes and 70 degrees         RSSBCONCDF       RangeSeaStateBiasCorrectionOceanNetCDF       The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean for latitudes and 70 degrees         RSSHAOFDNCDF       RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean         RSSHAOFDPLRMNCD       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean         RSWHOEFFDNCDF       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean         RSWHOEFFDNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF       The sea surface height should be between 0mm and 15000mm (or missing) for surface type latitudes between -70 and 70 degrees         RSWHOEFFDPLRMNC       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	s between -70
and 70 degrees         RPEPOPSARNCDF       RangePeakinessExcludingPolarOPSARNetCDF         RPEPOPSINNCDF       RangePeakinessExcludingPolarOPSINNetCDF         RSSBCONCDF       RangePeakinessExcludingPolarOPSINNetCDF         RSSBCONCDF       RangeSeaStateBiasCorrectionOceanNetCDF         RSSHAOFDNCDF       RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF         RSSHAOFDPLRMNCD       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF         RSSHAOFDPLRMNCD       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF         RSSHAOFDPLRMNCDF       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF         RSSHAOFDPLRMNCD       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF         C       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type         RSSHAOFDPLRMNCDF       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF         C       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type         RSWHOEPFDNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF         RSWHOEPFDPLRMNC       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF         DF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type         Intuitides between -70 and 70 degrees       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The signi	s between -70
and 70 degrees         RPEPOPSINNCDF       RangePeakinessExcludingPolarOPSINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitude and 70 degrees         RSSBCONCDF       RangeSeaStateBiasCorrectionOceanNetCDF         RSSHAOFDPLCPF       RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF         RSSHAOFDPLRMNCD       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF         The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type         RSSHAOFDPLRMNCD       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF         The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type         RSSHAONCDF       RangeSeaSurfaceHeightAnomalyOceanNetCDF         RSWHOEPFDNCDF       RangeSeaSurfaceHeightAnomalyOceanNetCDF         RSWHOEPFDNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF         RSWHOEPFDPLRMNC       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF         DF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF         DF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF         DF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF         DF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF         DF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF         The significant wave heigh	between -70
RSSBCONCDF       RangeSeaStateBiasCorrectionOceanNetCDF       and 70 degrees         RSSHAOFDNCDF       RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF       The sea state bias correction should be between -500mm and 0mm (or missing) for surface type         RSSHAOFDPLRMNCD       RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type         RSSHAOFDPLRMNCD       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type         RSSHAONCDF       RangeSeaSurfaceHeightAnomalyOceanNetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type         RSWHOEPFDNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type         RSWHOEPFDPLRMNC       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type         Iatitudes between -70 and 70 degrees       The significant wave height should be between 0mm and 15000mm (or missing) for surface type         Iatitudes between -70 and 70 degrees       The significantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type         Iatitudes between -70 and 70 degrees       The significantWaveHeightOceanExcludingPolarFD2PLCDF       The signi	s between -70
RSSHAOFDNCDF         RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF         The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surf ocean           RSSHAOFDPLRMNCD         RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF         The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surf ocean           RSSHAONCDF         RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF         The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surf ocean           RSSHAONCDF         RangeSeaSurfaceHeightAnomalyOceanNetCDF         The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surf ocean           RSWHOEPFDNCDF         RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF         The significant wave height should be between 0mm and 15000mm (or missing) for surface type latitudes between -70 and 70 degrees           RSWHOEPFDNCDF         RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF         The significant wave height should be between 0mm and 15000mm (or missing) for surface type latitudes between -70 and 70 degrees           RSWHOEPNCDF         RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF         The significant wave height should be between 0mm and 15000mm (or missing) for surface type latitudes between -70 and 70 degrees	s between -70
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RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type latitudes between -70 and 70 degrees	= ocean for
SPHRTASCNSNCDF         SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF         Rel_Time_ASC_Node_Stop mismatch	= ocean for
SOOHHIFHD SameOrOneHigher1HzIndexFor20HzData The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample	
SCSTODHRNCDF SequenceCounterStepTODHRNetCDF The sequence counter should be modulo 4 higher with regard to the previous sequence counter	
SCSTODNCDF SequenceCounterStepTODNetCDF The sequence counter should be one higher (modulo 16384) with regard to the previous sequen	e counter

# 7.3 Missing QCC Reports

Number of products with missing QCC reports: 0