

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

06/04/2020

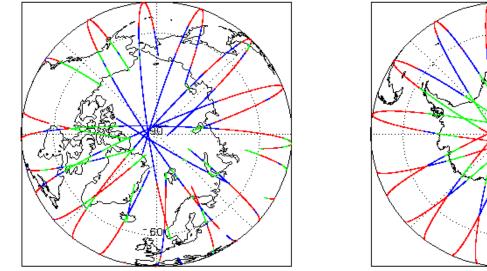
	07 Apr 2020	Check	L1 & L2
eport Production:	07-Apr-2020	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:		Server check: calval-pds.cryosat.esa.int	Nominal
Processor Useu.	CryoSat Ocean Processor	Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	Product Format Check	Nominal
		Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	See Section 5.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
		Measurement Quality Flag Check	See Section 5.6
		Ocean Retracking Quality Check	See Section 5.7

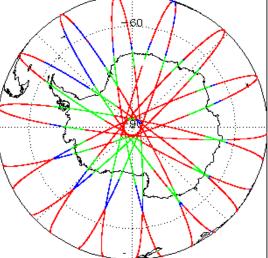
1. Overview

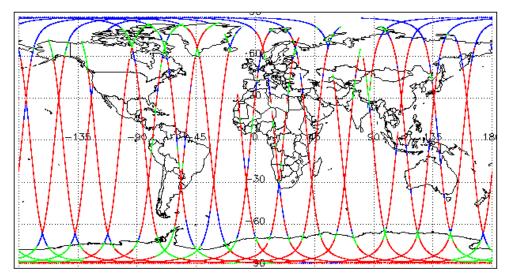
# Mission / Instrument News 05-Apr-2020 None

06-Apr-2020 None 07-Apr-2020 Nothing planned

# 2. Global Coverage







Mode	Coverage	e

LRM
SAR
SARIn

# 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). Number of products with errors: 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 11b\_proc\_flag\_hr flag is currently set all L1B IOPR and IOPN products because the 11b\_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 2

# Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200406T000943_20200406T003529_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20200406T032017_20200406T032408_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

### 4.6 L1B Waveform Group Data Check

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

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

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#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200406T221852_20200406T225241_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200406T032503_20200406T032707_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200406T081623_20200406T081739_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200406T112932_20200406T113420_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200406T130416_20200406T130434_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200406T161636_20200406T161803_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200406T170946_20200406T171359_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200406T175909_20200406T180047_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200406T004728_20200406T004908_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200406T063242_20200406T063359_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200406T122346_20200406T122440_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200406T154932_20200406T155221_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200406T163220_20200406T163440_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200406T195247_20200406T195438_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200406T211059_20200406T211222_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200406T212120_20200406T212809_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. Number of products with errors:

### 5.4 L2 Auxiliary Correction Error Check

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

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

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

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

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

> Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

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### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200406T225502_20200406T225550_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_20200406T004611_20200406T004728_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_20200406T035520_20200406T035606_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_20200406T040206_20200406T040514_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_20200406T053502_20200406T053729_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_20200406T054105_20200406T054439_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_20200406T071543_20200406T071818_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_20200406T081051_20200406T081212_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 heigh (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200406T085112_20200406T085703_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_20200406T095019_20200406T095231_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_20200406T103307_20200406T103449_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_20200406T104330_20200406T104534_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_20200406T112932_20200406T113420_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_20200406T135215_20200406T135610_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_20200406T140203_20200406T140329_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_20200406T153203_20200406T153516_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_20200406T154033_20200406T154145_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_20200406T161636_20200406T161803_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_20200406T170946_20200406T171359_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_20200406T171932_20200406T172058_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_20200406T175909_20200406T180047_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200406T185722_20200406T185906_C001	Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20200406T194111_20200406T194206_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20200406T203516_20200406T203734_C001	Topography (1)	Topography height (solution 1) for one or more records There is an error with the Total Geocentric Ocean Tide height (solution 1:
CS_OFFL_SIR_NOPN_2_20200406T211515_20200406T211814_C001	Total Geocentric Ocean Tide (GOT)	GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200406T211908_20200406T212120_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 heigh (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200406T220529_20200406T220723_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_20200406T221412_20200406T221852_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 There is a propulsity the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20200406T225550_20200406T225944_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 There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPR_2_20200406T080405_20200406T080854_C001	Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPR_2_20200406T130434_20200406T130959_C001	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 There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPR_2_20200406T143247_20200406T143438_C001	Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	Inere 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
CS_OFFL_SIR_NOPR_2_20200406T144342_20200406T145135_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPR_2_20200406T162204_20200406T163120_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPR_2_20200406T180310_20200406T181050_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
	Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPR_2_20200406T212120_20200406T212809_C001 CS_OFFL_SIR_NOPR_2_20200406T225944_20200406T230502_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1)	Topography height (solution 1) for one or more records Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200406T230535_20200406T230646_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:	2

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200406T000943_20200406T003529_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_20200406T032017_20200406T032408_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

## 5.6 L2 Measurement Quality Flag Check

## L2 Quality Flags (20Hz)

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

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

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200406T000943_20200406T003529_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_20200406T003719_20200406T004227_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_20200406T004246_20200406T004611_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_20200406T004908_20200406T011646_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_20200406T011812_20200406T012122_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_20200406T014502_20200406T021528_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_20200406T021705_20200406T022141_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_20200406T022830_20200406T030255_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_20200406T031609_20200406T031751_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_20200406T033048_20200406T033530_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_20200406T034645_20200406T035429_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_20200406T035645_20200406T040206_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_20200406T040756_20200406T043017_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_20200406T043303_20200406T044211_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_20200406T045435_20200406T045835_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_20200406T050216_20200406T050333_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_20200406T050344_20200406T050350_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_20200406T051421_20200406T051907_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_20200406T052055_20200406T053338_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.

U.D. H., JH, CHANA, Z. JUZZHON HOND, KUZHAN (1992) 2000.         Inc. Chang, and Buschell Coope, 2000.         Inc. Chang, 2000. <td< th=""><th>CS_OFFL_SIR_NOPM_2_20200406T053729_20200406T054105_C001</th><th>OCOG Altimeter Range Quality, OCOG Backscatter Quality</th><th>The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.</th></td<>	CS_OFFL_SIR_NOPM_2_20200406T053729_20200406T054105_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
GB (FFE, SFE, MOPP 2. 2000400710316 2000400710410 (2011)         and Balance Angue and Balance Forge and B	CS_OFFL_SIR_NOPM_2_20200406T054709_20200406T055306_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DC 011 CM CMMUNEL ALLOWING INSERTION         Recision Carl           CG 047E_RE_RE_NOW_2 1000000000000000000000000000000000000	CS_OFFL_SIR_NOPM_2_20200406T055316_20200406T061947_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB, GPTL, JRD, NOPML 2, 2020446770378, 20204467703784, 20204467703746, 202004477746770474, 20201467703746, 20204467703746, 2020	CS_OFFL_SIR_NOPM_2_20200406T062329_20200406T062430_C001		
So OFL SR NOPE 2 AD4000 (1991) 200040119200 (2001) Biologianter Galay Figure Forder or and records.  C. OFTL SR NOPH 2 2000401197200 2000401197200 (2001) Deter Allower Rage Galay SW  The OCOR Allower Rage SHA. SW and Biologiant Coulty Figure to the  Second Count of the Second Count of	CS_OFFL_SIR_NOPM_2_20200406T063726_20200406T070843_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CBL/DFL_DBL/DBL/DBL/DBL/DBL/DBL/DBL/DBL/DBL/DBL/	CS_OFFL_SIR_NOPM_2_20200406T071818_20200406T072011_C001		
C2, DFL_SIR, NOPM_2, 20204401702708, 2000440170210, 2000440170210, 2000     Philes Resp. and Statustand Cuality, DOD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave been     and and COD     Ament Resp. and Statustand Cuality, Plags Lave     beachter     and and COD	CS_OFFL_SIR_NOPM_2_20200406T072303_20200406T072446_C001		, .
Call Confug         Call Confug         For the original control           Call Confug         Call Confug         For the original control           Call Confug         Set Confug         Call Confug         For the original control           Call Confug         Set Confug         Call Confug         For confug </td <td>CS_OFFL_SIR_NOPM_2_20200406T072706_20200406T073310_C001</td> <td>and Backscatter Quality, OCOG</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_NOPM_2_20200406T072706_20200406T073310_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SIR_NOPM_2_20200400T091719_20200400T0917954_0001         and the addescater Quality_Flags have been affine many and Backscater Quality Flags have been affine many and Bac	CS_OFFL_SIR_NOPM_2_20200406T074323_20200406T074328_C001		
CS_DFIL_SIR_NOPM_2_202004001081124_000000108108_00_001         Backscatter Quality         for an or more records.           CS_OFFL_SIR_NOPM_2_202004001081748_0000400108233_0001         Ocean Attineter Range, SHA, SWH and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range, SHA, SWH and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range SHA, SWH and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range SHA, SWH and Backscatter Quality Flags have been at the OCOG Attineter Range SHA, SWH and Backscatter Quality Flags have been at the OCOG Attineter Range SHA, SWH and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range and Backscatter Quality Flags have been at the OCOG Attineter Range SHA, SWH and Backscatter Quality Flags have been at the OCOG Attineter Range SHA, SWH and Backscatter Quality Flags have been at the OCOG Attineter Range, SHA, SWH and Backscatter Quality Flags have been at the OCOG Attineter Range, SHA, SWH and Backscatter Quality Flags have been at the OCOG Attineter Range, SHA, SWH and Backscatter Quality F	CS_OFFL_SIR_NOPM_2_20200406T074915_20200406T075554_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB, OFFL_SIR_NOPM_2_202004007081748_202004007082335_C001       and Backscatter Quality. Flage and Backscatter Quality Flage have been after one or more records.         CS_OFFL_SIR_NOPM_2_202004007082412_202004067083315_C001       Coara Milinater Range, SMA, SWH and Backscatter Quality. Flage have been after one or more records.         CS_OFFL_SIR_NOPM_2_202004067082042_20200406708304_20200406708130a_C001       Cocara Atimater Range, SMA, SWH and Backscatter Quality. Flage have been set bit or no or more records.         CS_OFFL_SIR_NOPM_2_202004067090511_20200406709130a_C001       Cocara Atimater Range, SMA, SWH and Backscatter Quality. Flage have been set bit or no or more records.       The Ocoar Atimater Range, SMA, SWH and Backscatter Quality. Flage have been set bit or no or more records.         CS_OFFL_SIR_NOPM_2_202004067090511_20200406709130a_C001       Cocara Atimater Range, SMA, SWH and Backscatter Quality. Flage have been set bit or no or more records.         CS_OFFL_SIR_NOPM_2_2020040670940117_202004067092103_C001       Cocara Atimater Range, SMA, SWH and Backscatter Quality. Flage have been set bit or no or more records.         CS_OFFL_SIR_NOPM_2_202004067109405_202004067109426_C001       Cocara Atimater Range, SMA, SWH and Backscatter Quality. Flage have been set for or no or more records.         CS_OFFL_SIR_NOPM_2_2020040671094032_20204067100426_C001       Cocara	CS_OFFL_SIR_NOPM_2_20200406T081212_20200406T081623_C001		
CB_OFFL_SIR_NOPM_2_20200408T082412_2020408T083315_C001         and Backscatter Quality_COCG         and Backscatter Quality_Flags have been all Mitterer Range, SSHA, SWH and Backscatter Quality_Flags have been all backscatter Quality_Flags have	CS_OFFL_SIR_NOPM_2_20200406T081748_20200406T082333_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20204406T083934_20204406T085192_C001       and Backscatter Quality       set for one or one or one records.         CS_OFFL_SIR_NOPM_2_20204406T085957_20200406T090420_C001       CCCC Altimeter Range and Backscatter Quality       The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20204406T090611_20200406T091309_C001       CCCC Altimeter Range and Backscatter Quality       The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20204406T091417_20200406T091309_C001       CCCCA Altimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records.       The OCCG Altimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20204406T091417_20200406T09103_C001       CCCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.       The OCCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20204406T092408_20204406T092432_C001       COCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20204406T092408_20204406T100245_C001       COCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20204406T100445_20204406T100242_C001       COCCA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20204406T100446_2020406T1010	CS_OFFL_SIR_NOPM_2_20200406T082412_20200406T083315_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T090611_20200406T091309_C001         Backscatter Quality         for one or more records.           CS_OFFL_SIR_NOPM_2_20200406T090611_20200406T091309_C001         One an Altimeter Range SSHA_SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality         The Ocean Altimeter Range and Backscatter Quality           CS_OFFL_SIR_NOPM_2_20200406T091417_20200406T092103_C001         Ocean Altimeter Range SSHA_SWH and Backscatter Quality         The Ocean Altimeter Range and Backscatter Quality           CS_OFFL_SIR_NOPM_2_20200406T092408_20200406T093337_C001         Ocean Altimeter Range SSHA_SWH and Backscatter Quality         The Ocean Altimeter Range and Backscatter Quality           CS_OFFL_SIR_NOPM_2_20200406T095933_20200406T100245_C001         Ocean Altimeter Range, SSHA_SWH and Backscatter Quality         The Ocean Altimeter Range and Backscatter Quality           CS_OFFL_SIR_NOPM_2_20200406T100642_C001         Ocean Altimeter Range, SSHA_SWH and Backscatter Quality         The Ocean Altimeter Range, SSHA_SWH and Backscatter Quality         The Ocean Altimeter Range and Backscatter Quality           CS_OFFL_SIR_NOPM_2_20200406T100642_C001         Ocean Altimeter Range, SSHA_SWH and Backscatter Quality         The Ocean Altimeter Range and Backscatter Qua	CS_OFFL_SIR_NOPM_2_20200406T083934_20200406T085112_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T0980611_20200406T091309_C001       and Backscatter Quality, CCOG       and the OCOG Altimeter Range and Backscatter Quality Flags have been         CS_OFFL_SIR_NOPM_2_20200406T091417_20200406T092103_C001       Ocean Altimeter Range, SSHA, SVH       The Ocean Altimeter Range, SSHA, SVH         CS_OFFL_SIR_NOPM_2_20200406T092408_20200406T093337_C001       Ocean Altimeter Range, SSHA, SVH       The Ocean Altimeter Range, SSHA, SVH         CS_OFFL_SIR_NOPM_2_20200406T092408_20200406T093337_C001       Ocean Altimeter Range, SSHA, SVH       The Ocean Altimeter Range, SSHA, SVH         CS_OFFL_SIR_NOPM_2_20200406T095933_20200406T100245_C001       Ocean Altimeter Range, SSHA, SVH       The Ocean Altimeter Range, SSHA, SVH         CS_OFFL_SIR_NOPM_2_20200406T100416_20200406T100642_C001       Ocean Altimeter Range, SSHA, SVH       The Ocean Altimeter Range, SSHA, SVH         CS_OFFL_SIR_NOPM_2_20200406T100642_2000406T100642_C001       Ocean Altimeter Range, SSHA, SVH       The Ocean Altimeter Range, SSHA, SVH         CS_OFFL_SIR_NOPM_2_20200406T1010644_20200406T101053_C001       Ocean Altimeter Range, SSHA, SVH       The Ocean Altimeter Range, SSHA, SVH         CS_OFFL_SIR_NOPM_2_20200406T101544_20200406T101253_C001       Ocean Altimeter Range, SSHA, SVH       The Ocean Altimeter Range, SSHA, SVH         CS_OFFL_SIR_NOPM_2_20200406T101544_20200406T1010530_C001       Ocean Altimeter Range, SSHA, SVH       The Ocean Altimeter Range, SSHA, SVH         CS_OFFL_SIR_NOPM_2_20200406T1010544_20200406T1104330_C001       Ocean Altim	CS_OFFL_SIR_NOPM_2_20200406T085957_20200406T090420_C001		
CS_OFFL_SIR_NOPM_2_20200406T091417_20200406T092103_C001       and Backscatter Quality COGG       and the COCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH         CS_OFFL_SIR_NOPM_2_20200406T092408_20200406T093337_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_NOPM_2_20200406T095333_20200406T100245_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_NOPM_2_20200406T100416_20200406T100245_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_NOPM_2_20200406T100416_20200406T100642_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_NOPM_2_20200406T100416_20200406T101253_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_NOPM_2_20200406T101544_20200406T101253_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_NOPM_2_20200406T101544_20200406T103200_C001       Ocean Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_NOPM_2_20200406T101544_20200406T104330_C001       Ocean Altimeter Range and Backscatter Quality Flags have been at the docoG Altimeter Range, SSHA, SWH and Backscatter Quality Flags       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the docoG Altimeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_NOPM_2_20200406T090611_20200406T091309_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T092408_20200406T093337_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20200406T092333_2020406T100245_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH 	CS_OFFL_SIR_NOPM_2_20200406T091417_20200406T092103_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T095933_20200406T100245_C001       and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20200406T100416_20200406T100642_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20200406T100804_20200406T101253_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20200406T101264_20200406T101253_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, COOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Plags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T101544_20200406T103200_C001       Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20200406T104548_20200406T104330_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20200406T104548_20200406T110823_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range,	CS_OFFL_SIR_NOPM_2_20200406T092408_20200406T093337_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T100416_20200406T100642_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20200406T100804_20200406T101253_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         CS_OFFL_SIR_NOPM_2_20200406T101544_20200406T103200_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 hard 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 hard backscatter Quality         CS_OFFL_SIR_NOPM_2_20200406T103449_20200406T104330_C001       OCCGA Altimeter Range, Quality, OCOG Backscatter Quality, OCOG       The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T104548_20200406T104533_C001       OCCGA 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_20200406T104548_20200406T110823_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_20200406T095933_20200406T100245_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T100804_20200406T101253_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_20200406T101544_20200406T103200_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 and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T103449_20200406T104330_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_20200406T104548_20200406T110823_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been ad Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T104548_20200406T121104_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been ad Backscatter Quality, OCOG       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T113643_20200406T121104_C001 <t< td=""><td>CS_OFFL_SIR_NOPM_2_20200406T100416_20200406T100642_C001</td><td>and Backscatter Quality, OCOG</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></t<>	CS_OFFL_SIR_NOPM_2_20200406T100416_20200406T100642_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T101544_20200406T103200_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_20200406T103449_20200406T104330_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_20200406T104548_20200406T110823_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 have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T1104548_20200406T110823_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 have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T113643_20200406T121104_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 Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T113643_20200406T121104_C001       OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set set for one or more records.       The OCOG Altimeter Range and Backscatter Quality Flags have been set </td <td>CS_OFFL_SIR_NOPM_2_20200406T100804_20200406T101253_C001</td> <td>and Backscatter Quality, OCOG</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_NOPM_2_20200406T100804_20200406T101253_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T103449_20200406T104330_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T104548_20200406T110823_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been attrimeter Range, SSHA, SWH and Backscatter Quality Flags have been attrimeter Range, SSHA, SWH and Backscatter Quality Flags have been attrimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been attrimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been attrimeter Range and Backscatter Quality, OCOG Cod Altimeter Range and Backscatter Quality Flags have been attrimeter Range and Backscatter Quality Flags have been attrimeter Range and Backscatter Quality Flags have been attrimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been attrimeter Range Quality, OCOG         CS_OFFL_SIR_NOPM_2_20200406T121406_20200406T121554_C001       OCOG Altimeter Range Quality, OCOG       The OCGA Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_NOPM_2_20200406T101544_20200406T103200_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T104548_20200406T110823_C001       and Backscatter Quality, OCOG       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T113643_20200406T121104_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T113643_20200406T121104_C001       Ocean Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T121406_20200406T121554_C001       OCOG Altimeter Range Quality, OCOG       The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200406T103449_20200406T104330_C001		
CS_OFFL_SIR_NOPM_2_20200406T113643_20200406T121104_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_20200406T104548_20200406T110823_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20200406T113643_20200406T121104_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20200406T121406_20200406T121554_C001		

CHUE         Second Affrect Face, SBA, SBM, SBM, SBM, SBM, SBM, SBM, SBM, SBM	CS_OFFL_SIR_NOPM_2_20200406T121653_20200406T122126_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CB: OPH, SR: NOPH 2 3820467112611 Coll     ped Backatter Coll     ped Coll     ped Coll     ped Coll     ped Coll     ped Coll     ped Coll     ped Coll     <	CS_OFFL_SIR_NOPM_2_20200406T122440_20200406T125017_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Open Clinic Control ALL Address 1991 (2000)         Bickatter Cubry         Intel or an interaction           CIII (2014) SER, NORM 2, 200004811 (4201) (2017)         Code Shares Frage 2016, 2017)         The Core of America Frage 2016, 2017)         The Core of America Frage 2016, 2017)           CIII (2014) SER, NORM 2, 200004811 (4201) (2017)         Code Shares Frage 2016, 2017)         The Core of America Frage 201	CS_OFFL_SIR_NOPM_2_20200406T132241_20200406T135010_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OPE_USE_NOPU_2_00004051140338_20204071140358_0001       and backstatt Quily_DODD       and backstatt Quily_DODD         CB_OPE_USE_NOPU_2_00004051140318_2020407114058_0001       Costs Attracts Regs_SBA_RM       The Costs Attracts Regs_SBA_RMM and Backstatt Quily Programs Leave         CB_OPE_USE_NOPU_2_0000405114031_2020407114020_0001       Costs Attracts Regs_SBA_RMM and Backstatt Quily Programs Leave         CB_OPE_USE_NOPU_2_0000405114032_000407114020_0001       Costs Attracts Regs_SBA_RMM and Backstatt Quily Programs Leave         CB_OPE_USE_NOPU_2_0000405114020_0001       Costs Attracts Regs_SBA_RMM and Backstatt Quily Programs Leave         CB_OPE_USE_NOPU_2_0000405114020_0001       Costs Attracts Regs_SBA_RMM and Backstatt Quily Programs Leave         CB_OPE_USE_NOPU_2_0000405114020_0001       Costs Attracts Regs_SBA_RMM and Backstatt Quily Programs Leave         CB_OPE_USE_NOPU_2_0000405114020_0001       Costs Attracts Regs_SBA_RMM and Backstatt Quily Programs Leave         CB_OPE_USE_NOPU_2_0000405114020_0001       Costs Attracts Regs_SBA_RMM and Backstatt Quily Programs Leave         CB_OPE_USE_NOPU_2_0000405114020_0001       Costs Attracts Regs_SBA_RMM and Backstatts Quily Programs Leave         CB_OPE_USE_NOPU_2_0000405114020_0001       Costs Attracts Regs_SBA_RMM       The Costs Attracts Regs_SBA_RMM and Backstatts Quily Programs Leave         CB_OPE_USE_NOPU_2_0000405114020_0001       Costs Attracts Regs_SBA_RMM       The Costs Attracts Regs_SBA_RMM and Backstatts Quily Programs Leave         CB_OPE_USE_NOPU_2_000040	CS_OFFL_SIR_NOPM_2_20200406T135610_20200406T140203_C001		
DBDFTSR_NOPK_2_32200405114250_2020405114255_001         with the DOCA Minute Range and Beaucidim Coulty Physic New bein Minute Range and Schedulari Coulty           CBDFTSR_NOPK_2_32020405114410_2020406114410_202010         Clean Afrector Rang, SBA, SWH and Beaucidim Coulty Fings New bein Minute Range and Schedulari Coulty         the Doca Minute Range and Beaucidim Coulty Fings New bein Minute Range and Schedulari Coulty and beaucidim Coulty Fings New bein Minute Range and Schedulari Coulty           CBOFTSR_NOPK_2_2020406114410_2020406114001_COULT         Clean Afrector Rang, SBA, SWH and Schedulari Coulty Coulty Fings New bein Minute Range and Schedulari Coulty         the Doca Afrector Range and Beaucidim Coulty Fings New bein Afrector Range and Beaucidim Coulty Fings New bein Minute Range and Schedulari Coulty Fings New bein Minute Range and Schedulari Coulty           CBOFTSR_NOPK_2_20204061154523_20204061154550_C001         Clean Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty Fings New Afrector Range SBA, SWH and Beaucidim Coulty	CS_OFFL_SIR_NOPM_2_20200406T140338_20200406T142437_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CBL_CFFL_SRF_NOPM_2_2000340071144103_200048071144103_20004         mail Biodscatter Cuality, CODID         The CODID Alternet Frager, SBH, SWH and Biodscatter Cuality Frager have been set Not on a mail Biodscatter Cuality, CODID         mail Biodscatter Cuality, CODID         The CODID Alternet Frager, SBH, SWH and Biodscatter Cuality Frager have been set Not on a mail Biodscatter Cuality, CODID         The CODID Alternet Frager, SBH, SWH and Biodscatter Cuality Frager have been set Not on a mail Biodscatter Cuality, CODID         The CoDID Alternet Frager, SBH, SWH and Biodscatter Cuality Frager have been set Not on a mail Biodscatter Cuality Frager have been set Not on a mail Biodscatter Cuality Frager have been set Not on a mail Biodscatter Cuality Frager have been set Not on a mail Biodscatter Cuality Frager have been set Not on a mail Biodscatter Cuality Frager have been set Not on a mail Biodscatter Cuality Frager have b	CS_OFFL_SIR_NOPM_2_20200406T142610_20200406T142855_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DB_DFH_BR_NOPM_2_2000406T14443_2000406T15311_0001     mit Basecentre Duaity, CCCG     mit Basecentre Duaity, CCCG       DB_DFH_BR_NOPM_2_2000406T153516_0000400T154033_COD1     DCCGS Mitmetre Range GBLASSAME County, CCCG     The CCCG Mitmeter Range and Basecentre Quaity, Flags have been red       DB_DFH_BR_NOPM_2_2000406T154212_0000400T154212_000040T154212_0	CS_OFFL_SIR_NOPM_2_20200406T144103_20200406T144205_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Displant         Displant         Basistanter         Construction           Displant         Construction         Constru	CS_OFFL_SIR_NOPM_2_20200406T145432_20200406T152911_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB, OFFL_SIR, NOPM_2_2000400114523_20204406114515_001         and flastocetor Quality. Colo         and the COLO Allineer Range and Backscatter Quality Flags have been All Backscatter Quality Flags have been Allineacter Range Range Shite Shite Range Allineer Range	CS_OFFL_SIR_NOPM_2_20200406T153516_20200406T154033_C001		
CS_OFFL_SIR_NOPM_2_20200406T191412_20200406T191422_0000       and Bedsacter Quality, OCOG       and the OCOG Alianeter Range and Bedsacter Quality Flags have been Alianeter Range. SSH, SWH         CS_OFFL_SIR_NOPM_2_20200406T191802_20200406T192024_0011       Coern Alianeter Range, SSH, SWH, Coern and Bedsacter Quality Flags have been Alianeter Range. SSH, SWH and Bedsacter Quality Flags have been Alianeter Range, SSH, SWH and Bedsacter Quality Flags have been Alianeter Range, SSH, SWH and Bedsacter Quality Flags have been Alianeter Range, SSH, SWH and Bedsacter Quality Flags have been Alianeter Range, SSH, SWH and Bedsacter Quality Flags have been Alianeter Range and Badsacter Quality Flags have been Alianeter Range and Badsacter Quality Flags have been Alianeter Range, SSH, SWH and Bedsacter Quality Flags have been alianeter Range and Badsacter Quality Flags have been alianter Range and Badsacter Quality Flags have been alianter Range Alianeter Range and Badsacter Quality Flags have been alianter Range Alianeter Range Alianeter Range Alianeter Range and Badsacter Quality Flags have been alianter Range Alianeter Range Aliane	CS_OFFL_SIR_NOPM_2_20200406T154223_20200406T154515_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_202004061101803_202044061102204_C001       and Backscatter Quality Flags have been Althores Range Althores Range and Backscatter Quality Flags have been at Backscatter Quality Flags ha	CS_OFFL_SIR_NOPM_2_20200406T154714_20200406T154932_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T163400_20200406T1764318_C001       and Backscatter Quality COCG       and Backscatter Quality Flags have been at Almeter Range. SSHA, SWH         CS_OFFL_SIR_NOPM_2_20200406T164604_20200406T170825_C001       Cocean Alimeter Range. SSHA, SWH       The Obean Alimeter Range. SSHA, SWH         CS_OFFL_SIR_NOPM_2_20200406T164604_20200406T1710825_C001       Cocean Alimeter Range Quality. Cocean Alimeter Range and Backscatter Quality Flags have been set Iso one or more records.       The Obean Alimeter Range and Backscatter Quality Flags have been set Iso one or more records.         CS_OFFL_SIR_NOPM_2_20200406T171525_20200406T171532_C001       COCGA Alimeter Range Quality. COCG       The OCGA Alimeter Range and Backscatter Quality Flags have been set Iso one or more records.         CS_OFFL_SIR_NOPM_2_20200406T172133_20200406T171534(_C001       COCGA Alimeter Range. SSHA, SWH and Backscatter Quality Flags have been set Iso one or more records.       The OCGA Alimeter Range and Backscatter Quality Flags have been set Iso one or more records.         CS_OFFL_SIR_NOPM_2_20200406T172133_20200406T177437_C001       Cocean Alimeter Range. SSHA, SWH and Backscatter Quality Flags have been set Iso one or more records.         CS_OFFL_SIR_NOPM_2_20200406T174421_20200406T174427_20200406T174427_20200406T174427_20200406T174427_20200406T174427_20200406T174427_20200406T174427_20200406T174427_20200406T174427_20200406T174427_20200406T174427_20200406T1645450_C001       The Obean Alimeter Range. SSHA, SWH and Backscatter Quality Flags have been set Iso one or more records.         CS_OFFL_SIR_NOPM_2_20200406T174427_20200406T174427_20200406T174427_20200406T164560_20200406T184550_C001	CS_OFFL_SIR_NOPM_2_20200406T161803_20200406T162204_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T164604_20200406T170825_C001       and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T171525_20200406T171536_C001       OCCG Altimeter Range Quality.OCCG Backscatter Quality       The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T171525_20200406T171532_C0011       OCCG Altimeter Range Quality.OCCG Backscatter Quality       The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T172133_0200406T177440_C0011       OCCG Altimeter Range, SSHA. SWH and Backscatter Quality       The OCCG Altimeter Range, SSHA. SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA. SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA. SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA. SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA. SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA. SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA. SWH and Backscatter Quality Flags and Backscatter Quality.OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been alter or on or more records.         CS_OFFL_SIR_NOPM_2_20200406T174123_20200406T174123_20200406T174421_20200406T17442_20200406T184453_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality.OCCG Altimeter Range and Backscatter Quality Flags have been alter for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T184459_20200406T184465_C0011       Ocean Altimeter Range Quality.OCCG Altimeter Range and Backscatter Quality Flags have been set for	CS_OFFL_SIR_NOPM_2_20200406T163440_20200406T164318_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_202004061171332_202004061171322_2020         Backscatter Quality         for one or more records.           CS_OFFL_SIR_NOPM_2_202004061171322_202004061171322_20201         CCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SHA, SWH and Backscatter Quality, OCOG Altimeter Range, SHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records.           CS_OFFL_SIR_NOPM_2_20200406T184545_20200406T185722_C001         OCCGA Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_NOPM_2_20200406T18572_20200406T185722_C001         OCCGA Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_NOPM_2_20200406T18573_20200406T18573_20200406T18572_C001         OCCGA Altimeter Ran	CS_OFFL_SIR_NOPM_2_20200406T164604_20200406T170825_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T17342_20200406T173440_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T172133_20200406T173440_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, 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 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T184453_20200406T185416_C001       OCCG Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T185435_20200406T185435_20200406T185535_C001       OCCGA Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200406T171359_20200406T171518_C001		
CS_OFFL_SIR_NOPM_2_20200406T172133_20200406T173440_C001       and Backscatter Quality COGG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T184455_20200406T185416_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T185435_20200406T185416_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T19517_20200406T19535_C001       OCGG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Qua	CS_OFFL_SIR_NOPM_2_20200406T171525_20200406T171932_C001		
CS_OFFL_SIR_NOPM_2_20200406T173627_20200406T174337_C001       and Backscatter Quality.OCOG Attimeter Range and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20200406T174421_20200406T174902_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_NOPM_2_20200406T181423_20200406T184653_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_NOPM_2_20200406T184653_C001       OCean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been         CS_OFFL_SIR_NOPM_2_20200406T184453_20200406T185416_C001       OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T185435_20200406T185722_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_20200406T190517_20200406T195530_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records.       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T193712_20200406T193530_C001       OCCGA Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records.       T	CS_OFFL_SIR_NOPM_2_20200406T172133_20200406T173440_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T174421_20200406T174902_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20200406T181423_20200406T184653_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20200406T181423_20200406T184653_C001       Ocean Altimeter Range, SSHA, SWH and 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_20200406T184859_20200406T185416_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_20200406T185435_20200406T185722_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_20200406T190517_20200406T193530_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_20200406T193712_20200406T193535_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_20200406T195534_20200406T195535_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more reco	CS_OFFL_SIR_NOPM_2_20200406T173627_20200406T174337_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T181423_20200406T184653_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality       File Ocog Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T184859_20200406T185416_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_20200406T185435_20200406T185722_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_20200406T185722_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T193572_C001       OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T193712_20200406T194111_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T195534_20200406T195535_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set <td>CS_OFFL_SIR_NOPM_2_20200406T174421_20200406T174902_C001</td> <td>and Backscatter Quality, OCOG</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_NOPM_2_20200406T174421_20200406T174902_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_202004061184459_202004061185416_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T185435_20200406T185722_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T190517_20200406T193530_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T193712_20200406T194111_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T195534_20200406T195535_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T195534_20200406T195535_C001       OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T195602_20200406T200835_C001       Ocean Altimeter Range, SSHA, SWH 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_20200406T181423_20200406T184653_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T185435_20200406T185722_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T190517_20200406T193530_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_20200406T193712_20200406T194111_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_20200406T195534_20200406T195535_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_20200406T195534_20200406T195535_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_20200406T195602_20200406T195535_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200406T184859_20200406T185416_C001		
CS_OFFL_SIR_NOPM_2_20200406T190517_20200406T193530_C001       and Backscatter Quality, OCOG       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T193712_20200406T194111_C001       OCOG Altimeter Range Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T195534_20200406T195535_C001       OCOG Altimeter Range Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T195534_20200406T195535_C001       OCOG Altimeter Range Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T195602_20200406T200835_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set and Backscatter Quality, OCOG       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200406T185435_20200406T185722_C001		
CS_OFFL_SIR_NOPM_2_20200406T195712_20200406T195535_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T195534_20200406T195535_C001       OCOG Altimeter Range Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T195602_20200406T195602_20200406T200835_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20200406T190517_20200406T193530_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200406T195534_20200406T195535_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_NOPM_2_20200406T195602_20200406T200835_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20200406T193712_20200406T194111_C001		
CS_OFFL_SIR_NOPM_2_20200406T195602_20200406T200835_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20200406T195534_20200406T195535_C001		
	CS_OFFL_SIR_NOPM_2_20200406T195602_20200406T200835_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPM_2_20200406T201039_20200406T202617_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_20200406T202811_20200406T203313_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_20200406T203333_20200406T203345_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_20200406T204236_20200406T205254_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_20200406T205913_20200406T211059_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_20200406T214616_20200406T214859_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_20200406T215038_20200406T220507_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_20200406T220723_20200406T221224_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_20200406T221852_20200406T225241_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_20200406T000559_20200406T000943_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_20200406T004227_20200406T004229_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_20200406T022517_20200406T022632_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_20200406T031832_20200406T031954_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_20200406T034418_20200406T034422_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_20200406T072446_20200406T072637_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_20200406T130141_20200406T130223_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_20200406T155246_20200406T155250_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_20200406T171932_20200406T172058_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_20200406T174337_20200406T174421_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

## L2 Quality Flags (20Hz PLRM)

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

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200406T000559_20200406T000943_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_20200406T003603_20200406T003719_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_20200406T013445_20200406T013500_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_20200406T021541_20200406T021705_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_20200406T022517_20200406T022632_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, 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_20200406T030255_20200406T030429_C001	PLRM 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_20200406T030504_20200406T030639_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_20200406T031832_20200406T031954_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_20200406T032503_20200406T032707_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_20200406T045335_20200406T045406_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_20200406T051052_20200406T051421_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_20200406T053502_20200406T053729_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_20200406T063638_20200406T063726_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_20200406T071543_20200406T071818_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_20200406T072011_20200406T072303_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_20200406T083828_20200406T083934_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_20200406T085112_20200406T085703_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_20200406T095019_20200406T095231_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_20200406T095346_20200406T095614_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_20200406T101253_20200406T101544_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_20200406T104330_20200406T104534_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_20200406T111010_20200406T111324_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_20200406T111417_20200406T111540_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_20200406T112932_20200406T113420_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_20200406T121242_20200406T121406_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_20200406T121554_20200406T121653_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_20200406T122126_20200406T122346_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_20200406T125404_20200406T125510_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_20200406T135215_20200406T135610_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_20200406T154033_20200406T154145_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_20200406T155246_20200406T155250_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_20200406T155923_20200406T155955_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_20200406T170946_20200406T171359_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_20200406T171932_20200406T172058_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_20200406T174337_20200406T174421_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_20200406T184724_20200406T184859_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_20200406T185722_20200406T185906_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_20200406T203516_20200406T203734_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_20200406T205254_20200406T205400_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_20200406T211515_20200406T211814_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_20200406T211908_20200406T212120_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_20200406T220529_20200406T220723_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_20200406T221412_20200406T221852_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_20200406T225550_20200406T225944_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_20200406T231437_20200406T231545_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_20200406T000454_20200406T000516_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_20200406T004728_20200406T004908_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_20200406T022632_20200406T022830_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_20200406T034442_20200406T034645_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_20200406T040514_20200406T040756_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_20200406T044211_20200406T044436_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_20200406T063242_20200406T063359_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_20200406T063414_20200406T063638_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_20200406T070843_20200406T071543_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_20200406T075828_20200406T075911_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_20200406T080405_20200406T080854_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_20200406T083315_20200406T083528_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_20200406T094427_20200406T094514_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_20200406T111609_20200406T111619_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_20200406T122346_20200406T122440_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_20200406T130223_20200406T130416_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_20200406T130434_20200406T130959_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_20200406T135010_20200406T135215_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_20200406T143756_20200406T143908_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_20200406T144205_20200406T144253_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_20200406T144342_20200406T145135_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_20200406T145239_20200406T145302_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_20200406T152911_20200406T153203_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_20200406T160947_20200406T161258_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_20200406T162204_20200406T163120_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_20200406T163128_20200406T163210_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_20200406T180310_20200406T181050_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_20200406T181203_20200406T181423_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_20200406T194206_20200406T194747_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_20200406T195449_20200406T195504_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_20200406T200835_20200406T201039_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_20200406T203734_20200406T204140_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_20200406T205701_20200406T205913_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_20200406T211059_20200406T211222_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_20200406T212120_20200406T212809_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_20200406T225944_20200406T230502_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_20200406T230535_20200406T230646_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_20200406T232000	_20200406T232037_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
L2 Quality Flags (1 Hz & 1Hz PLRI	<b>M</b> )		
Currently, there are several common flags		hich are summarised below.	
> 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected.			
Number of products with errors: 192			
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.			
lumber of products with errors: 60			
L2 Retracking Flags (20Hz, PLRM)	J		
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.			
Ocean Retracking Quality Flag (PLRM): This	is hag is currently set for products is		