

QA4EO Daily Report for NOP data:

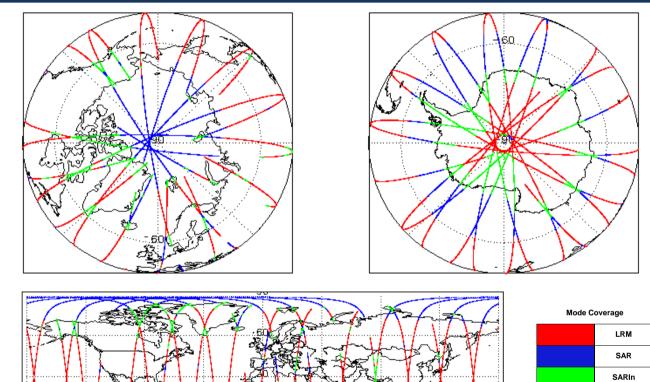
<u>18/09/2021</u>

Conort Draduction	20 Son 2021	Check	L1 & L2
Report Production:	20-Sep-2021	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP)	Product Format Check	Nominal
Data Used:	L1B & L2 Science Data	Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	See Section 5.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
		Measurement Quality Flag Check	See Section 5.6
		Ocean Retracking Quality Check	See Section 5.7
		QCC Error/ Warning Check	See Section 7.1 and 7.2

1. Overview

	Mission / Instrument News			
17-Sep-2021				
	18-Sep-2021	None		
19-Sep-2021		Nothing planned		





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

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).

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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 inconsis	stencies and/or errors raised by the ground-segment processing chain.
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1E chains. A modification is required in the next release.	OPR and IOPN products because t	the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSAR
Number of products with errors: 0		
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 che	eck the validity of Auxiliary Data Files is correct.
Dynamic Atmospheric Correction: The DAC is missing in all products becau	se the auxiliary files required are not	available in time for processing. This known and expected behaviour.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag for each measurement record	d. The bit value of this flag indicates a	any problems when set.
Number of products with errors: 0		
4.5.1.4. Magguroment Confidence Date Check		
4.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag for each measurem		
Attitude Correction Missing: This flag is currently set in error for NOPR pro	ducts due to a configuration issue. The	his is being investigated and will be updated in the next SW update.
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20210918T204944_20210918T205720_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
I.6 L1B Waveform Group Data Check		
4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement record		ny problems when set.
CryoSat L1B data includes a waveform data flag for each measurement record		ny problems when set.
CryoSat L1B data includes a waveform data flag for each measurement record		ny problems when set.
CryoSat L1B data includes a waveform data flag for each measurement record - Loss of Echo Flag: This flag is currently set for products over land, but this i Number of products with errors: 22		ny problems when set. Description
CryoSat L1B data includes a waveform data flag for each measurement record Loss of Echo Flag: This flag is currently set for products over land, but this i Number of products with errors: 22 Product	s to be expected.	
CryoSat L1B data includes a waveform data flag for each measurement record Loss of Echo Flag: This flag is currently set for products over land, but this i Number of products with errors: 22 Product CS_OFFL_SIR_NOPM1B_20210918T001257_20210918T004524_C001	s to be expected.	Description
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5. NOP Level 2 Data Quality Check

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

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). 0 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. 0

Loss of Echo

Loss of Echo

Loss of Echo

Loss of Echo

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

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

CS_OFFL_SIR_NOPR1B_20210918T140449_20210918T141312_C001

CS_OFFL_SIR_NOPR1B_20210918T172447_20210918T173027_C001

CS_OFFL_SIR_NOPR1B_20210918T190402_20210918T191058_C001

CS_OFFL_SIR_NOPR1B_20210918T204226_20210918T204744_C001

5.4 L2 Auxiliary Correction Error Check

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

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20210918T200306_20210918T203832_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric 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_20210918T013749_20210918T013914_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_20210918T014436_20210918T014744_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_20210918T031733_20210918T031958_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_20210918T032336_20210918T032709_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_20210918T045815_20210918T050049_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_20210918T055324_20210918T055445_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 heig (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20210918T063345_20210918T063936_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_20210918T073254_20210918T073504_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_20210918T081541_20210918T081723_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_20210918T082604_20210918T082808_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_20210918T091208_20210918T091257_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_20210918T091300_20210918T091655_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_20210918T113451_20210918T113846_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric 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_20210918T114439_20210918T114605_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_20210918T131441_20210918T131753_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_20210918T132311_20210918T132422_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_20210918T135914_20210918T140041_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 heig (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20210918T145225_20210918T145637_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_20210918T150211_20210918T150336_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_20210918T154149_20210918T154329_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_20210918T164001_20210918T164146_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_20210918T172352_20210918T172446_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_20210918T181757_20210918T182015_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_20210918T185757_20210918T190055_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_20210918T190149_20210918T190402_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 heig (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20210918T194811_20210918T195005_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_20210918T195654_20210918T200134_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_20210918T203832_20210918T204226_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20210918T090655_20210918T091207_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20210918T104711_20210918T105235_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynami Topography height (solution 1) for one or more records

CS_OFFL_SIR_NOPR_2_20210918T121523_20210918T121715_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20210918T122619_20210918T123412_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20210918T140449_20210918T141312_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20210918T154549_20210918T155351_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20210918T172447_20210918T173027_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20210918T190402_20210918T191058_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20210918T204226_20210918T204744_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20210918T204818_20210918T204944_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:

Product CS_OFFL_SIR_NOPM_2_20210918T204944_20210918T205720_C001 Test Failed
Power scaling error

Description
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.

80

1

Number of products with errors:

Test Failed	Description
OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
Backscatter Quality	for one or more records.
Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Range and Backscatter Quality	set for one or more records.
Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Range and Backscatter Quality	set for one or more records.
Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Range and Backscatter Quality	set for one or more records.
OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
Backscatter Quality	for one or more records.
Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Range and Backscatter Quality	set for one or more records.
Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Range and Backscatter Quality	set for one or more records.
Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Range and Backscatter Quality	set for one or more records.
Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Range and Backscatter Quality	set for one or more records.
OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
Backscatter Quality	for one or more records.
Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Range and Backscatter Quality	set for one or more records.
Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Range and Backscatter Quality	set for one or more records.
Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Range and Backscatter Quality	set for one or more records.
Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Range and Backscatter Quality	set for one or more records.
	OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality

CS_OFFL_SIR_NOPM_2_20210918T051630_20210918T052216_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_20210918T053147_20210918T053828_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_20210918T055445_20210918T055856_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_20210918T060012_20210918T060606_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_20210918T060646_20210918T061548_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_20210918T062207_20210918T063250_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_20210918T063936_20210918T064159_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_20210918T064230_20210918T064653_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_20210918T064945_20210918T065542_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_20210918T065650_20210918T070336_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_20210918T070644_20210918T072031_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_20210918T073849_20210918T074045_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_20210918T074207_20210918T074519_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_20210918T074651_20210918T074916_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_20210918T075039_20210918T075335_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_20210918T075819_20210918T081313_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_20210918T081724_20210918T082604_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_20210918T082936_20210918T085058_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_20210918T085559_20210918T085651_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_20210918T090650_20210918T090655_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_20210918T093016_20210918T095255_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_20210918T095641_20210918T095829_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_20210918T095928_20210918T100400_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_20210918T100913_20210918T103243_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_20210918T104500_20210918T104628_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_20210918T110517_20210918T113103_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.

C1 OUT, D4 NUM 2 2010001110027 2020001110282 C001 Description Frage Setting Description Frage Setting C3 OUT, D4 NUM 2 2021001110282 2020001110282 C001 Description Frage Setting Description Frage Setting C4 OUT, D4 NUM 2 2021001110282 2020001110282 C001 Description Frage Setting Description Frage Setting C4 OUT, D4 NUM 2 2021001110282 2020001110282 C001 Description Frage Setting Description Frage Setting C4 OUT, D4 NUM 2 2021001110282 2020001110282 C001 Description Frage Setting Description Frage Setting C4 OUT, D4 NUM 2 2021001110282 2020001110282 C001 Description Frage Setting Description Frage Setting C4 OUT, D4 NUM 2 2021001110282 2020001110282 C001 Description Frage Setting Description Frage Setting C4 OUT, D4 NUM 2 2021001111282 2020011110182 C001 Description Frage Setting Description Frage Setting C4 OUT, D4 NUM 2 2021001111282 20210011111182 C001 Description Frage Setting Description Frage Setting C4 OUT, D4 NUM 2 20210011111282 20210011111182 C001 Description Frage Setting Description Frage Setting C4 OUT, D4 NUM 2 202100111111282 C001 Description Frage Setting Description Frage Setting C4 OUT, D4 NUM 2 202100111111282 C001 Description Frage Setting Description Frage Setting C4 OUT, D4 NUM 2 2021001111111282 C001 Description Frage Setting Description Frage Setting C4 OUT, D4 NUM 2 2021001111111112	CS_OFFL_SIR_NOPM_2_20210918T113846_20210918T114438_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
C2: 011, DR. NORM, 2, 2010(11):2033, 2010(11):2131, 001 and the depart disease that we are the COOR Attemp ing or disease that the fung or disease that the func or disease that the func or disease that the func or disease the function of the	CS_OFFL_SIR_NOPM_2_20210918T114807_20210918T120832_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB, OPE, SB, NDPM 2.201904712240, 201004712250, 2011 aud Backstein Caally, COCA Allinear Series Reguered Backstein Caally Regulation being Regulation beind Regulation Being Regulation being Regulati	CS_OFFL_SIR_NOPM_2_20210918T120835_20210918T121134_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CE: 0FH: SR NOFM 2 30210911123305 02010911123305 02010911123305 02010911123305 02010911123305 02010911123305 02010911112305 020100011111110000 0201091111110000 02010001111111000 0201000	CS_OFFL_SIR_NOPM_2_20210918T122340_20210918T122531_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GB, DEH, JER, NOPM, 2. 202101111131021. CO110111131021. CO11 and backetater (Lainy, CO22) Alterator and the COC2 Alterator Range and Backetater (Lainy Plays have bases and the version of eversion. GB, OFTL, SR, NOPM, 2. 202101111131021. CO110111133201. CO11 COCE Alterator Range, Collin, SR, NOPM, 2. 202101111131201. CO110111133201. CO11 Desse Alterator Range, Collin, SR, NOPM, 2. 202101111131201. CO1101111133201. CO1101111133201. CO1101111133201. CO11011111133201. CO11011111133201. CO1101111111111111111111111111111111111	CS_OFFL_SIR_NOPM_2_20210918T122536_20210918T122552_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CLUCHL_DRUKENCLAM/UNITIATION_LAND/UNITIATION_LAND/UNITIATION Bedasatter Quality for are or more needs. CBOFFL_SR_NORAL_20210918713280_20210918713280_0001 Overs Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI CBOFFL_SR_NORAL_20210918713280_0001 Overs Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI CBOFFL_SR_NORAL_202109187140041_202109187143280_0001 Overs Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI CBOFFL_SR_NORAL_202109187140041_20210918714004 Overs Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI CBOFFL_SR_NORAL_202109187141004_20210918714004 Overs Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI CBOFFL_SR_NORAL_202109187141004_20210918714004 Overs Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI CBOFFL_SR_NORAL_202109187141004_20210918714004 Overs Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI CBOFFL_SR_NORAL_202109187141004_20210918714004 OVERS Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SSIA, WMI CBOFFL_SR_NORAL_20210918714004 Overs Ahmeter Rangs, SSIA, WMI To Court Ahmeter Rangs, SS	CS_OFFL_SIR_NOPM_2_20210918T123709_20210918T131021_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Citel, DFL, SER, NOPH, Z. 202109181132292, 202109181132290, 2001 and Backstatter Caulity, Flags, NoPH, Z. 202109181140041, 202109181140040, 2001 Cited, Sanstatter Caulity, Flags, NoPH, Z. 202109181140041, 202109181140040, 2001 Cited, Sanstatter Caulity, Flags, NoPH, Z. 202109181140041, 202109181140040, 2001 Cited, Sanstatter Caulity, Flags, NoPH, Z. 202109181140041, 202109181140040, 2001 Cited, Sanstatter Caulity, Flags, NoPH, Z. 202109181144001, 202109181144000, 20210918114400, 202109181144000, 202109181144000, 202109181144000, 202109181144000, 2001 Cited, Sanstatter Caulity, Flags, NoPH, Z. 202109181144000, 202109181142057, 2001 Cited, Sanstatter Caulity, Flags, NaPH, Z. 202109181142081, 202109181142057, 2001 Cited, Sanstatter Caulity, Flags, NaPH, Z. 202109181142081, 202109181142087, 2001 Cited, Sanstatter Caulity, Flags, NaPH, Z. 202109181142081, 202109181142087, 2001 Cited, Sanstatter Caulity, Flags, NaPH, Z. 202109181142081, 202109181142081, 202109181142081, 202109181142081, 202109181142081, 202109181142081, 202109181142081, 202109181182010, 2001 Cited, Sanstatter Caulity, Flags, NaPH, Z. 202109181142081, 202109181182010, 2001 Cited, Sanstatter Caulity, Flags, NaPH, Z. 202109181142081, 202109181182010, 2001 Cited, Sanstatter Caulity, Flags, NaPH, Z. 202109181142081, 202109181182010, 2001 Cited, Sanstatter Caulity, Flags, NaPH, Z. 202109181142081, 202109181182010, 2001 Cited, Sanstatter Caulity, Flags, NaPH, Z. 2021091811142081, 202109181182010, 2001 Cited, Sanstatter Caulity, Flags, NaPH, Z. 202109181112001, 202109181182010, 2001 Cited, Sanstatter Caulity, Flags, NaPH, Z. 202109181112001, 202109181182010, 2001 Cited, Sanstatter Caulity, Flags, NaPH, Z. 202109181112001, 202109181182010, 2001<	CS_OFFL_SIR_NOPM_2_20210918T131754_20210918T132310_C001		
CS 0FIL SR NOPU 2 2010191144042 001918144040 001 and Bassamt Quality CXGS Attenuts multip CXGG Attenuts multip CXGS Attenuts multip	CS_OFFL_SIR_NOPM_2_20210918T132951_20210918T133209_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFTL_SIR_NOPM_2_20210918T141460_20210918T141480_201 and Backsamter Quality The OCOA Altimeter and the OCOA Altimeter and the OCOA Altimeter and the OCOA Altimeter fragma and Backsamter Quality Flags have been at a for one strong metadula. CB_OFTL_SIR_NOPM_2_20210918T142602_001018T142057_0011 Com Altimeter Fragma SNA_SVH and Backsamter Quality Flags have been at a for one or none metadula. CB_OFTL_SIR_NOPM_2_20210918T14209_20210918T142057_0011 Com Altimeter Fragma SNA_SVH and Backsamter Quality Flags have been at a for one or none metadula. CB_OFTL_SIR_NOPM_2_20210918T14209_20210918T142007_0011 Com Altimeter Fragma SNA_SVH and Backsamter Quality Flags have been at for one or none metadula. CB_OFTL_SIR_NOPM_2_20210918T14209_20210918T142007_0021 Com Altimeter Fragma SNA_SVH and Backsamter Quality Flags have been at for one or none metadula. CB_OFFL_SIR_NOPM_2_20210918T14209_20210918T162010_0021 Com Altimeter Fragma SNA_SVH and Backsamter Quality Flags have been at for one or none metadula. CB_OFFL_SIR_NOPM_2_20210918T162010_0021 Com Altimeter Fragma SNA_SVH and Backsamter Quality Flags have been at for one or more metadula. CB_OFFL_SIR_NOPM_2_20210918T162056_00210918T162056_0011 Com Altimeter Fragma SNA_SVH and Backsamter Quality Flags have been at for one or more metadula. CB_OFFL_SIR_NOPM_2_20210918T162056_0011 Com Altimeter Fragma SNA_SVH and Backsamter Quality Flags have been at for one or more metadula. CB_OFFL_SIR_NOPM_2_20210918T162056_0011 Com Altimeter Fragma SNA_SVH and Backsamter Quality Flags have been at for one or more metadula. CB_OFFL_SIR_NOPM_2_20210918T165205_00	CS_OFFL_SIR_NOPM_2_20210918T140041_20210918T140449_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SR_NOPM_2_2021018T14458_2012018T145257_001 and Backstater Quality_COCO Altimeter Range and Backstater Quality Flags have been remain records. CS_OFFL_SR_NOPM_2_2021018T142443_00210018T145001_0001 Decen Altimater Range SSH, SVH The Osean Altimater Range SSH, SVH and Backstater Quality Flags have been remain records. CS_OFFL_SR_NOPM_2_20210018T142443_00210018T146210_0001 Decen Altimater Range Quality_COCO The Osean Altimater Range SSH, SVH and Backstater Quality Flags have been remains and Backstater Quality Flags have been remains and Backstater Quality_Flags have been remain the OCOCA Altinteremains and Backstater Quality_Flags have b	CS_OFFL_SIR_NOPM_2_20210918T141406_20210918T141448_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SR_NOPM_2.20210918T142843_20210918T15001 and Backscatter Quality_COCO_Altemeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SR_NOPM_2.20210918T150736_20210918T150210_C001 DCCG Altemeter Range Quality_COCO_Altemeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SR_NOPM_2.20210918T150736_20210918T151718_C001 DCCG Altemeter Range Quality_COCO_Altemeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SR_NOPM_2.20210918T151708_C001 DCCG Altemeter Range CSHA_SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SR_NOPM_2.20210918T151006_20210918T152165_C001 DCCGn Altemeter Range CSHA_SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SR_NOPM_2.20210918T155305_20210918T152516_C001 DCCGn Altemeter Range CSHA_SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SR_NOPM_2.20210918T155305_20210918T162824_C001 DCCGN Altemeter Range CSHA_SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SR_NOPM_2.20210918T165351_20210918T162824_C001 DCCCGA Altemeter Range CSHA_SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SR_NOPM_2.20210918T164757_20210918T162824_C001 DCCCGA Altemeter Range CSHA_SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SR_NOPM_2.20210918T176155.001 DCCCGA Altemeter Range CSHA_SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SR_NOPM_2.20210918T178544_20210918T175515_C001	CS_OFFL_SIR_NOPM_2_20210918T141459_20210918T142557_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OPPL_SIR_NOPM_2_20210918T16305_02010918T161718_C001 Backscatter Quality Etr one or more records. CS_OPFL_SIR_NOPM_2_20210918T150786_20210918T161718_C001 Ocean Attinueter Range, SSHA, SWH and Backscatter Quality Flags New been and the OCCG Alterneter Range and Backscatter Quality Flags New been and the OCCG Alterneter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality. CGS Marter Range and Backscatter Quality Flags New been and the OCCG Alterneter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Alterneter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Alterneter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Alterneter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Alterneter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Alterneter Range and Backscatter Quality Flags and the OCCG Alterneter Range and Backscatter Quality Flags New been act or one records. CS_OFFL_SIR_NOPM_2_20210918T163139_20210918T163265_C001 OCCGA Alterneter Range GasNA, SWH and Backscatter Quality Flags New been act or one records. CS_OFFL_SIR_NOPM_2_20210918T164175_7_20210918T171812_C001 Decan Alterneter Range and Backscatter Quality Flags New been and backscatter Quality. CS_OFFL_SIR_NOPM_2_20210918T171832_0210918T171812_C001 Decan Alterneter Range and Backscatter Quality Flags New been and backscatter Quality. CS_OFFL_SIR_NOPM_2_20210918T171853_20210918T171812_C001 Decan Alterneter Range, SSHA, SWH and Backscatter Quality. The OCCGA Alterneter Range and Backscatter Quality. CS_OFFL_SIR_NOPM_2_20210918T171854_20210918T171815_C001 Decan Alterneter Range, SSHA, SWH and Bac	CS_OFFL_SIR_NOPM_2_20210918T142843_20210918T145001_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20210918715078_00210918715178_C001 and Backscatter Quality, COGS Allimeter Range and Backscatter Quality Flags have been left for one or more records. CS_OFFL_SIR_NOPM_2_202109187151906_202109187152616_C001 Cosan Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been left for one or more records. CS_OFFL_SIR_NOPM_2_202109187152616_C001 Cosan Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been left for one or more records. CS_OFFL_SIR_NOPM_2_202109187152616_C001 Cosan Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been left for one or more records. CS_OFFL_SIR_NOPM_2_202109187162824_C001 Cosan Allimeter Range Quality, COCG CS_OFFL_SIR_NOPM_2_20210918716339_02109187162824_C001 COCO Allimeter Range Quality, COCG CS_OFFL_SIR_NOPM_2_20210918716339_0210918717632_C001 COCG Allimeter Range Quality, COCG CS_OFFL_SIR_NOPM_2_202109187164757_202109187177812_C001 Cosan Allimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109187177352_C001 Cosan Allimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109187177352_C001 Cosan Allimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109187177352_C02109187177515_C001 Cosan Allimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_	CS_OFFL_SIR_NOPM_2_20210918T145803_20210918T150210_C001		
CS_OFFL_SIR_NOPM_2_20210918115506_202109181152616_C001 and Backscatter Quality Code Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SNA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_202109181155351_202109181162824_C001 Ocean Altimeter Range, SNA, SWH and Backscatter Quality, CCOG Altimeter Range, and Backscatter Quality The Ocean Altimeter Range, SNA, SWH and Backscatter Quality, Edgs and the CCGG Altimeter Range and Backscatter Quality Flags have been set for one rome records. CS_OFFL_SIR_NOPM_2_202109181163139_202109181163655_C001 CCGG Altimeter Range Quality, CCOG Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109181164757_202109181171812_C001 Ocean Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109181171953_202109181172352_C001 Ocean Altimeter Range Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109181173542_02109181172352_C001 OCGA Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109181175320_202109181175115_C001 OCGA Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109181175320_202109181180552_C001 Ocean Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_2021091811810552_002109181180554_C001 Ocean Altimete	CS_OFFL_SIR_NOPM_2_20210918T150736_20210918T151718_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_202109181153351_20210918T162824_C001 and Backscatter Quality and Backscatter Quality and Backscatter Quality file on on or more records. CS_OFFL_SIR_NOPM_2_20210918T163139_20210918T16365_C001 CCGA Altimeter Range Quality, CCGA Altimeter Range, SSHA, SWH the OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T164757_20210918T171812_C001 Ccean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T171953_20210918T171515_C001 CCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T173844_20210918T17515_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T173844_20210918T17515_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T175320_20210918T175315_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags and backscatter Quality CCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T175320_20210918T180503_C001 Cocan Altimeter Range Quality, CCGG Altimeter Range and Backscatter Quality Flags and backscatter Quality Flags and backscatter Quality CS_OFFL_SIR_NOPM_2_20210918T181554_C001 CCGG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_NOPM_2_20210918T151906_20210918T152616_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
US_OFFL_SIR_NOPM_2_20210918T163159_20210918T171812_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20210918T164757_20210918T171812_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_20210918T171953_20210918T172352_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T173844_20210918T175115_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_20210918T173844_20210918T175115_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T181554_20210918T18355_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T184154_20210918T185757_C001 Ocean Altimeter	CS_OFFL_SIR_NOPM_2_20210918T155351_20210918T162824_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20210918T164757_20210918T171812_C001 and Backscatter Quality and the OCCG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_NOPM_2_20210918T171953_20210918T172352_C001 OCCGA Altimeter Range Quality, OCCG The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T173844_20210918T175115_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T175320_20210918T175320_20210918T180803_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T175320_20210918T1810803_C001 Ocean Altimeter Range Quality, OCCG The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T181052_20210918T181554_C001 OCCGA Altimeter Range Quality, OCCG The OCCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T182524_20210918T182535_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T184154_20210918T185757_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T184154_20210918T182542_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee	CS_OFFL_SIR_NOPM_2_20210918T163139_20210918T163655_C001		
CS_OFFL_SIR_NOPM_2_2021091811/1953_202109181172352_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_202109181173844_202109181175115_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, and the OCOG Altimeter Range and Backscatter Quality, Plags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109181175320_202109181180803_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Plags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Plags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109181181052_202109181180803_C001 Ocean Altimeter Range, Quality, OCOG Altimeter Range and Backscatter Quality, Plags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109181181052_202109181181554_C001 OCCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109181182524_20210918118353_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109181184154_202109181185757_C001 Ocean 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_202109181190146_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_202109181190055_202109181190146_C001 Ocean Altimeter Range, SSHA, S	CS_OFFL_SIR_NOPM_2_20210918T164757_20210918T171812_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20210918T173844_20210918T175115_C001 and Backscatter Quality and the OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T175320_20210918T180803_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T181052_20210918T180803_C001 Ocean Altimeter Range Quality, OCCG The OCcean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T181052_20210918T181554_C001 OCCG Altimeter Range Quality, OCCG The OCcean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T181052_20210918T183535_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T182524_20210918T183535_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T184154_20210918T185757_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T190155_20210918T190146_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T190145_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T190145_C001	CS_OFFL_SIR_NOPM_2_20210918T171953_20210918T172352_C001		
CS_OFFL_SIR_NOPM_2_20210918T175320_20210918T180803_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_NOPM_2_20210918T181052_20210918T181554_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_NOPM_2_20210918T181554_20210918T182524_20210918T183535_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range	CS_OFFL_SIR_NOPM_2_20210918T173844_20210918T175115_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_202109181181052_202109181181534_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20210918T182524_20210918T183535_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T184154_20210918T185757_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T184154_20210918T185757_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T190055_20210918T190146_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T190055_20210918T190146_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T192858_20210918T193141_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20210918T175320_20210918T180803_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20210918T182524_20210918T183535_C001 and Backscatter Quality, OCOG Altimeter Range and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T184154_20210918T185757_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T184154_20210918T185757_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T190055_20210918T190146_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T190055_20210918T190146_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T190055_20210918T190146_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T192858_20210918T193141_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20210918T181052_20210918T181554_C001		
CS_OFFL_SIR_NOPM_2_20210918T184154_20210918T185757_C001 and Backscatter Quality, OCOG Altimeter Range and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T190055_20210918T190146_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T190055_20210918T190146_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T192858_20210918T193141_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20210918T182524_20210918T183535_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20210918T190055_20210918T190146_C001 and Backscatter Quality, OCOG Altimeter Range and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20210918T192858_20210918T193141_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_NOPM_2_20210918T184154_20210918T185757_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20210918T192858_20210918T193141_C001 and Backscatter Quality, OCOG Altimeter and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20210918T190055_20210918T190146_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20210918T192858_20210918T193141_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPM_2_20210918T193320_20210918T194639_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_20210918T195005_20210918T195505_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_20210918T200306_20210918T203832_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_20210918T205828_20210918T205913_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_20210918T222743_20210918T223039_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_20210918T224117_20210918T230501_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_20210918T230835_20210918T231338_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_20210918T232123_20210918T235453_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_20210918T081541_20210918T081723_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_20210918T091208_20210918T091257_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_20210918T095829_20210918T095903_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_20210918T150211_20210918T150336_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_20210918T183908_20210918T183911_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20210918T032710_20210918T033055_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20210918T004525_20210918T004658_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_20210918T004733_20210918T004908_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_20210918T010733_20210918T010937_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_20210918T011813_20210918T011831_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_20210918T013749_20210918T013914_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_20210918T014436_20210918T014744_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_20210918T023606_20210918T023637_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_20210918T025323_20210918T025652_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_20210918T032336_20210918T032709_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_20210918T041910_20210918T041958_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_20210918T045815_20210918T050049_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_20210918T050718_20210918T050908_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_20210918T053846_20210918T054016_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_20210918T062102_20210918T062207_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_20210918T063345_20210918T063936_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_20210918T064653_20210918T064832_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_20210918T072748_20210918T072851_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_20210918T073620_20210918T073848_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_20210918T074045_20210918T074207_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_20210918T074917_20210918T075038_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_20210918T075527_20210918T075819_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_20210918T085245_20210918T085559_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_20210918T085651_20210918T085815_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_20210918T091300_20210918T091655_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_20210918T091802_20210918T091918_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_20210918T100401_20210918T100621_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_20210918T113451_20210918T113846_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_20210918T114439_20210918T114605_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_20210918T132311_20210918T132422_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_20210918T134533_20210918T134717_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_20210918T135914_20210918T140041_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_20210918T145225_20210918T145637_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_20210918T150211_20210918T150336_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_20210918T152616_20210918T152700_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_20210918T172352_20210918T172446_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_20210918T181757_20210918T182015_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_20210918T183911_20210918T183942_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_20210918T185757_20210918T190055_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_20210918T190149_20210918T190402_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_20210918T195654_20210918T200134_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_20210918T203832_20210918T204226_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_20210918T205914_20210918T210243_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_20210918T223132_20210918T223204_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_20210918T230709_20210918T230835_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_20210918T231713_20210918T231848_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_20210918T000901_20210918T001257_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_20210918T013329_20210918T013749_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_20210918T014744_20210918T015148_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_20210918T024106_20210918T024427_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_20210918T032710_20210918T033055_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_20210918T040657_20210918T040830_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_20210918T045115_20210918T045815_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_20210918T061548_20210918T061802_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_20210918T065542_20210918T065650_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_20210918T072609_20210918T072748_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_20210918T085058_20210918T085149_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_20210918T090655_20210918T091207_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_20210918T104711_20210918T105235_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_20210918T113103_20210918T113451_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_20210918T114606_20210918T114807_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_20210918T122034_20210918T122147_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_20210918T122619_20210918T123412_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.

C8_OFFL_SR_NOPR_2_20210918T131021_20210918T13141_C001 Ocean Alimeter Range Cuality PLRM, C000 Alimeter Range and Backscatter Quality PLRM, C000 Alimeter Range and Backscatter Quality PLRM, C000 C000 Backscatter Quality PLRM, C000 Alimeter Range and Backscatter Quality Flags have been set for one or none records. C8_OFFL_SR_NOPR_2_20210918T140449_20210918T141312_C001 Ocean Alimeter Range, SHA, SWH and Backscatter Quality Flags and the C000 Alimeter Range and Backscatter Quality Flags and the C0000 Alimeter Range and Backscatter Quality Flags and the C000 Alime	CS_OFFL_SIR_NOPR_2_20210918T123516_20210918T123553_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
Column End COCG Backscatter Quality more records. CS_OFFL_SIR_NOPR_2_202109187135225_202109187135537_CO01 CCCG Altmeter Range Quality PLRM, CCG Backscatter Quality The OCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_202109187140449_202109187141312_CO01 Oxean Altmeter Range, SSHA, SVH and Backscatter Quality Flags have been set for one or more records. The Ocean Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range, SSHA, SVH and Backscatter Quality Flags and the OCCG Altmeter Range and Backscatter Quality Flags and the OCCG Range and Backscat	CS_OFFL_SIR_NOPR_2_20210918T131021_20210918T131441_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCS_OPT_CSH_NOPR_2_20210918T140449_20210918T140312_C001 OCCG Backscatter Quality more records. CS_OFFL_SIR_NOPR_2_20210918T140449_20210918T141312_C001 Ocean Altimeter Range and Backscatter Quality more records. CS_OFFL_SIR_NOPR_2_20210918T140449_20210918T141312_C001 Ocean Altimeter Range and Backscatter Quality more records. CS_OFFL_SIR_NOPR_2_20210918T164549_20210918T155351_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T172447_20210918T173027_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T172447_20210918T173027_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T173043_20210918T173219_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T182524_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T182524_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T182524_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T182015_20210918T182524_C001	CS_OFFL_SIR_NOPR_2_20210918T133210_20210918T133501_C001		
GS_OFFL_SIR_NOPR_2_20210918T140449_20210918T141312_C001 and Backscatter Quality PLRM. Ind Ocean Alimates Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T155551_C001 Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T152551_C001 Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T172447_20210918T173027_C001 Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T172447_20210918T173027_C001 Ceean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T172043_20210918T173027_C001 OCOG Alimeter Range, Quality PLRM, OCOG Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T173043_20210918T173027_C001 OCOG Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T182015_20210918T18254_C001 OCOG Alimeter Range Quality PLRM, OCOG Alimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T182052_20210918T19058_C001 OCOG Alimeter Range Quality PLRM, OCOG Alimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T190402_20210918T191058_C001 OCOG Alimeter Ra	CS_OFFL_SIR_NOPR_2_20210918T135225_20210918T135537_C001		
CS_OFFL_SIR_NOPR_2_20210918T154549_20210918T155351_C001 and Backscatter Quality Flags Inter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_NOPR_2_20210918T172447_20210918T173027_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20210918T173043_20210918T173027_C001 OCCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20210918T173043_20210918T173219_C001 OCCOG Altimeter Range, SSHA, SWH The OCean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20210918T182015_20210918T182524_C001 OCCOG Altimeter Range, SSHA, SWH The OCean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20210918T182015_20210918T182524_C001 OCCOG Altimeter Range, SSHA, SWH The OCEAN Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20210918T183942_20210918T184154_C001 OCCOG Altimeter Range, SSHA, SWH The OCEAN Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20210918T18042_20210918T184154_C001 OCCOG Altimeter Range, SSHA, SWH The OCEAN Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20210918T190402_20210918T191058_C001 OCCEAN Altimeter Range, SSHA, SWH The OCEAN Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20210918T204226_20210918T204744_C001 OCEAN Altimeter Range, SSHA, SWH The OCEAN Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20210918T204226_20210918T204744_C001 OCEAN Altimeter Ra	CS_OFFL_SIR_NOPR_2_20210918T140449_20210918T141312_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20210918T172447_20210918T173027_C001 and Backscatter Quality PLRM, OCOG and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_NOPR_2_20210918T173043_20210918T173219_C001 OCOG Altimeter Range and Backscatter Quality PLRM, OCOG The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T173043_20210918T173219_C001 OCOG Altimeter Range, Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T182015_20210918T182524_C001 Ocean Altimeter Range, Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T182015_20210918T184154_C001 OCCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T180402_20210918T191058_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T190402_20210918T191058_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T190402_20210918T204744_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. </td <td>CS_OFFL_SIR_NOPR_2_20210918T154549_20210918T155351_C001</td> <td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_NOPR_2_20210918T154549_20210918T155351_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_202109181173043_202109181173219_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_NOPR_2_20210918T182015_20210918T182524_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 set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T183942_20210918T184154_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T190402_20210918T191058_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Rang	CS_OFFL_SIR_NOPR_2_20210918T172447_20210918T173027_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20210918T182015_20210918T182524_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T183942_20210918T184154_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T180402_20210918T191058_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T190402_20210918T191058_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T204226_20210918T204744_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T20423_20210918T210320_C001 OCCG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T210243_20210918T210320_C001 OCCG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T230501_20210918T230703_C001 OCCGA Altimeter Range, SSHA, SWH And Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	CS_OFFL_SIR_NOPR_2_20210918T173043_20210918T173219_C001		
CS_OFFL_SIR_NOPR_2_202109181183942_202109181184154_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_NOPR_2_20210918T190402_20210918T191058_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T204243_20210918T210320_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20210918T182015_20210918T182524_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20210918T190402_20210918T191058_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ind Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, and Backscatter Quality 	CS_OFFL_SIR_NOPR_2_20210918T183942_20210918T184154_C001		
CS_OFFL_SIR_NOPR_2_20210918T204226_20210918T204744_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPR_2_20210918T210243_20210918T210320_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_20210918T230501_20210918T230703_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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20210918T230501_20210918T230703_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20210918T190402_20210918T191058_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_202109181210243_202109181210320_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_NOPR_2_202109181230501_202109181230703_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range 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 PLRM. CS_OFFL_SIR_NOPR_2_202109187230501_202109187230703_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_202109187235713_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_NOPR_2_20210918T204226_20210918T204744_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20210918T230501_20210918T230703_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been occog Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_NOPR_2_20210918T210243_20210918T210320_C001		
	CS_OFFL_SIR_NOPR_2_20210918T230501_20210918T230703_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPR_2_20210918T235635_20210918T235712_C001		

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

163

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

Number of products with errors:

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

62

125

Number of products with errors:

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors:

7. NOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	148	148	1	147	0
SIR_NOPR1B	93	93	0	93	0
SIR_NOPN1B	108	108	0	108	0
SIR_NOPM_2	148	148	91	51	6
SIR_NOPR_2	93	93	29	62	2
SIR_NOPN_2	108	108	42	64	2

7.1 QCC Errors

Number of QCC reports with errors:	

Number of QCC	reports with e	rrors:	17									
Total number of occurrences of each error												
Product Type	EOVSNCDF	MPHSVSNCDF	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	[
SIR_NOPM_2	6	6	0	0	0	0						[
SIR_NOPN_2	2	2	0	0	0	0						

SIR_NOPR_2	0	0	2	2	2	2					
Test Description Key:	Test Description Key:										
Abbreviation Test name				Details	Details						
EOVSNCDF	EnumOrbitVectorSourceNetCDF			Orbit vector source should match one of the allowed enumeration values - NetCDF							
MPHSVSNCDF	MPH_Sta	ate_Vector_Source_	NetCDF	State_Vector_Source mismatch							
RLOBOPNCDF	RangeLat	titudeOrBlankOP_7	NetCDF	Latitude should be	between -90E7 and	d 90E7 - NetCDF					
RL	RangeLat	titude_7		Latitude should be between -90E7 and 90E7							
RLOBOPNCDF	RangeLo	ngitudeOrBlankOP_	7NetCDF	Longitude should be between -180E7 and 180E7 - NetCDF							
RL	RangeLo	ngitude_7		Longitude should be between -180E7 and 180E7							

7.2 QCC Warnings

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1 -

Number of QCC reports with warnings

N	Imber of QCC report	s with warnings	1593					
				Total num	per of occurrences of ea	ch warning		
	Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
	SIR_NOPM1B	147	0	0	0	0	0	0
	SIR_NOPM_2	0	0	38	38	1	39	0
	SIR_NOPN1B	104	0	0	0	0	0	0
	SIR_NOPN_2	0	0	16	30	6	23	25
	SIR_NOPR1B	89	0	0	0	0	0	0
	SIR_NOPR_2	0	2	33	40	0	31	26

	Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCD	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
ſ	SIR_NOPM1B	0	0	0	0	0	0	0
	SIR_NOPM_2	34	30	0	0	0	0	24
	SIR_NOPN1B	0	0	0	0	0	0	0
	SIR_NOPN_2	21	0	0	18	0	29	0
	SIR_NOPR1B	0	0	0	0	0	0	0
	SIR NOPR 2	15	0	38	0	40	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	0	0	5	27	0	4	32
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	21	18	49	50	34	22
SIR_NOPR1B	0	0	0	0	0	0	0
SIR NOPR 2	37	0	1	52	39	7	37

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-
SIR_NOPM1B	0	0	0	0	0	0	
SIR_NOPM_2	0	4	0	0	0	0	
SIR_NOPN1B	0	0	0	0	39	0	
SIR_NOPN_2	25	12	1	1	0	0	
SIR_NOPR1B	0	0	1	0	93	2	
SIR_NOPR_2	40	1	0	2	0	0	

Test Description Key:							
Abbreviation	Test name	Details					
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter					
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)					
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only					
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter signa zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSINN	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean					
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSWHOEPFDPLRMNC	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)					
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample					
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter					
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter					
	1						

7.3 Missing QCC Reports

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