

QA4EO Daily Report for NOP data:

<u>02/02/2022</u>

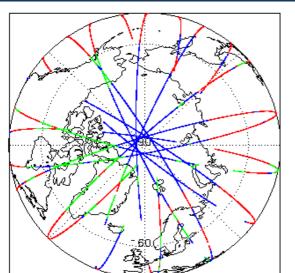
IDEAS-QA4E0

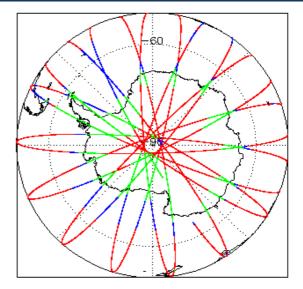
an art Draduation.	00 Esh 0000	Check	L1 & L2
Report Production:	03-Feb-2022	Server check: science-pds.cryosat.esa.int	Nominal
Durana and Harada	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:		Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	Product Format Check	Nominal
Data Used:		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

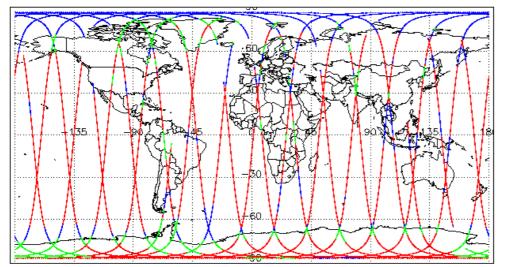
1. Overview

Miss	Mission / Instrument News		
01-l	Feb-2022	None	
02-I	Feb-2022	None	
03-I	Feb-2022	Nothing planned	

2. Global Coverage









LRM
SAR
SARIn

3. Instrument Configuration

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

SIRAL - A
Star Tracker 1

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc).
Number of products with errors:
0

4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.				
> L1B Processing Quality HR: The 11b_proc_flag_hr flag is currently set all L1B NOPR and NOPN products because the 11b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.				
Number of products with errors: 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 check the validity of Auxiliary Data Files is correct.				
> Dynamic Atmospheric Correction: The DAC is missing in all products because the auxiliary files required are not available in time for processing. This known and expected behaviour.				
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
4.4 LTB Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.				

4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. The attitude correction is not actually missing, This is being investigated and will be updated in the next SW update.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20220202T113603_20220202T115019_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20220202T180123_20220202T180951_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20220202T181535_20220202T181909_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20220202T122342_20220202T123501_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20220202T220020_20220202T221630_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220202T011417_20220202T011636_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220202T015701_20220202T015846_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220202T034520_20220202T034806_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220202T092246_20220202T092452_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220202T105959_20220202T110422_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220202T124052_20220202T124518_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220202T173637_20220202T173756_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220202T001330_20220202T001343_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220202T011950_20220202T012210_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220202T024938_20220202T025348_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220202T060739_20220202T061527_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220202T120151_20220202T120401_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220202T123917_20220202T123958_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220202T124520_20220202T125222_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220202T235439_20220202T235638_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc). Number of products with errors: 0

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

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

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

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

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

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

Number of products with errors:

CS_OFFL_SIR_NOPN_2_20220202T175840_20220202T175940_C001 CS_OFFL_SIR_NOPN_2_20220202T001442_20220202T002046_C001 CS_OFFL_SIR_NOPN_2_20220202T011417_20220202T011636_C001 CS_OFFL_SIR_NOPN_2_20220202T015701_20220202T015846_C001 CS_OFFL_SIR_NOPN_2_20220202T025348_20220202T025831_C001 CS_OFFL_SIR_NOPN_2_20220202T034520_20220202T034806_C001	Mean Dynamic Topography (1)Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20220202T011417_20220202T011636_C001 CS_OFFL_SIR_NOPN_2_20220202T015701_20220202T015846_C001 CS_OFFL_SIR_NOPN_2_20220202T025348_20220202T025831_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20220202T015701_20220202T015846_C001 CS_OFFL_SIR_NOPN_2_20220202T025348_20220202T025831_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20220202T025348_20220202T025831_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
	Topography (1) Mean Sea Surface (1), Mean Dynamic	
CS_OFFL_SIR_NOPN_2_20220202T034520_20220202T034806_C001		ropography height (solution 1) for one or more records
		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20220202T051626_20220202T052014_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_20220202T065605_20220202T065920_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_20220202T084341_20220202T084452_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_20220202T092246_20220202T092452_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20220202T092552_20220202T092713_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_20220202T105959_20220202T110422_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and 2: FES) and the Non- Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20220202T110508_20220202T110624_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_20220202T115916_20220202T120151_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_20220202T124052_20220202T124518_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20220202T133829_20220202T134156_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_20220202T151937_20220202T152116_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_20220202T173637_20220202T173756_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20220202T182845_20220202T183009_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_20220202T183535_20220202T183847_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_20220202T192651_20220202T192753_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_20220202T200821_20220202T200935_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_20220202T201434_20220202T201755_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_20220202T214910_20220202T215147_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_20220202T224421_20220202T224542_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20220202T232615_20220202T233041_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_20220202T010811_20220202T011417_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_20220202T024938_20220202T025348_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_20220202T042650_20220202T043430_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_20220202T055645_20220202T055731_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_20220202T060739_20220202T061527_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_20220202T074736_20220202T075805_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_20220202T092713_20220202T093437_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_20220202T110624_20220202T111145_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_20220202T120151_20220202T120401_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20220202T124520_20220202T125222_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_20220202T142342_20220202T142848_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_20220202T160035_20220202T160926_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_20220202T173958_20220202T174929_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_20220202T175114_20220202T175313_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_20220202T175653_20220202T175840_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_20220202T230643_20220202T230857_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	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20220202T113603_20220202T115019_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20220202T180123_20220202T180951_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20220202T181535_20220202T181909_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20220202T000034_20220202T000137_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_20220202T002347_20220202T002817_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_20220202T003025_20220202T004504_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_20220202T005637_20220202T005704_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_20220202T013208_20220202T015615_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_20220202T015846_20220202T020721_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_20220202T020947_20220202T023502_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_20220202T030041_20220202T030455_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_20220202T030741_20220202T033436_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_20220202T034101_20220202T034520_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_20220202T034831_20220202T041617_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_20220202T041620_20220202T041842_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_20220202T044151_20220202T051345_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_20220202T052014_20220202T052601_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_20220202T052743_20220202T053342_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_20220202T053851_20220202T054413_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_20220202T060503_20220202T060550_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_20220202T061857_20220202T065330_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_20220202T065920_20220202T070432_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_20220202T070629_20220202T072541_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_20220202T075805_20220202T082615_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_20220202T082625_20220202T083200_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_20220202T083928_20220202T084341_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_20220202T084539_20220202T091352_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_20220202T093957_20220202T095407_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_20220202T100455_20220202T101131_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_20220202T101258_20220202T101821_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_20220202T101827_20220202T101833_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_20220202T101840_20220202T102055_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_20220202T102928_20220202T104153_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_20220202T104312_20220202T105958_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_20220202T112143_20220202T113253_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_20220202T113603_20220202T115019_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_20220202T115225_20220202T115720_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_20220202T115757_20220202T115916_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
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CB: 0FFL BH NOFM 2 2022020110264 2022021112612 (2001) and Rescarder Quinty, COOD and Rescarder Quinty, COOD CB: 0FFL BH NOFM 2 2022020112612 (2002) (2001) COOD Allerent Flags, SBIA, SPH and Secondard Quinty Flags CB: 0FFL BH NOFM 2 2022020112612 (2002) (2001) COOD Allerent Flags, SBIA, SPH and Secondard Quinty Flags CB: 0FFL BH NOFM 2 2022020112612 (2002) (2001) COOD Allerent Flags, SBIA, SPH and Secondard Quinty Flags CB: 0FFL BH NOFM 2 2022020113683 (2002) (2001) COOD Allerent Flags, SBIA, SPH and Secondard Quinty Flags CB: 0FFL BH NOFM 2 2022020113683 (2002) (2001) COOD Allerent Flags, SBIA, SPH and Secondard Quinty Flags have here secondard CB: 0FFL BH NOFM 2 2022020113683 (2002) (2001) COOD Allerent Flags, SBIA, SPH and Secondard Quinty Flags have here secondard CB: 0FFL BH NOFM 2 2022020114683 (2002) (2001) COCA Allerent Flags, SBIA, SPH and Secondard Quinty Flags have here secondard CB: 0FFL BH NOFM 2 2022020114681 (2002) (2001) COCA Allerent Flags, SBIA, SPH and Secondard Quinty Flags have here secondard CB: 0FFL BH NOFM 2 2022020114681 (2002) (2001) COCA Allerent Flags, SBIA, SPH and Secondard Quinty Flags have here secondard CB: 0FFL BH NOFM 2 2022020114681 (2002) (2001) (2001) (2002) (2001) (2001) (2002) (2001) (2			
Ci. OFIL SIR NOM. 2. 2022002112036. DOI: DOI: NOM. 2. 2022002112037. DOI: DOI: NOM. 2. 20220021110037. DOI	CS_OFFL_SIR_NOPM_2_20220202T120604_20220202T121047_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
OB_CPEL_URIN_LCPU_2_DESCREPTINEL_DOCEDURINGEN_CONT Internative Vega Landscape County Internative Vega Landscape County OB_CPEL_URIN_LCPU_2_DESCREPTINEL_DOCEDURINGEN_CONT Internative Vega Landscape County The COUNT Allement Reage and Bodecaper County Regis Internation OB_CPEL_URIN_CPU_2_DESCREPTINEL_DOCEDURINGEN_CONT Cover Allement Reage and Bodecaper County Regis Internation The COUNT Allement Reage and Bodecaper County Regis Internation OB_CPEL_URIN_CPU_2_DESCREPTINEL_DOCEDURINGEN_CONT Cover Allement Reage and Bodecaper County Regis Internation The Cover Allement Reage and Bodecaper County Regis Internation OS_CPEL_URIN_CPU_2_DESCREPTINEL_DOCEDURINGEN_CONT Cover Allement Reage and Bodecaper County Regis Internation The Cover Allement Reage and Bodecaper County Regis Internation OS_CPEL_URIN_CPU_2_DESCREPTINEL_DOCEDURINGEN_CONT Cover Allement Reage and Bodecaper County Regis Internation The Cover Allement Reage and Bodecaper County Regis Internation OS_CPEL_URIN_CPU_2_DESCREPTINEL_DOCEDURINGEN_CONT Cover Allement Reage and Bodecaper County Regis Internation The Cover Allement Reage and Bodecaper County Regis Internation OS_CPEL_URIN_CPU_2_DESCREPTINEL_DOCEDURINGEN_CONT The Cover Allement Reage and Bodecaper County Regis Internation The Cover Allement Reage and Bodecaper County Regis Internation OS_CPEL_URIN_CPU_2_DESCREPTINEL_DOCEDURINEL_REAGE AND THE INTERNATION INTERNATION INTERNATION INTERNATION INTERNATION INTERNATION INTERNATION INTER	CS_OFFL_SIR_NOPM_2_20220202T122342_20220202T123500_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
De Orte Sim NorM 2 decelute 112000 Accelute 112000 Accelute 112000 Accelute Cashy Backelaite Cashy More and the cost of the cost	CS_OFFL_SIR_NOPM_2_20220202T131413_20220202T132923_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
DS_DFL_SR_MOPM_2_00028807114681_0001 optic balance Cally (D005 All for optic and Relaxation Cally Flags have been and for optic and Relaxation Cally Flags have been and for optic and Relaxation Cally Flags have been and for optic and Relaxation Cally Flags have been and f	CS_OFFL_SIR_NOPM_2_20220202T133200_20220202T133635_C001	0 ,,	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
05.0FFL_SPLMOPH_2_02220221144982_0222002114991_0001 with bioscater Quarky Code bit COGO Antenier Range and Bulkecater Quarky Flag have been set to come records. 05.0FFL_SPLMOPH_2_0222022114918_0222022114918_0220022114918_022000 COGO Alterier Range SSH, SVH and Eukocater Quarky Flag have been set to come records. 05.0FFL_SPLMOPH_2_0222022115918_0220022115918_00001 COGO Alterier Range SSH, SVH and Eukocater Quarky Flag have been set to come records. 05.0FFL_SPLMOPH_2_02220022115918_002001 COGO Alterier Range SSH, SVH and Eukocater Quarky Flag have been set to come records. 05.0FFL_SPLMOPH_2_02220022115918_002001 COGO Alterier Range SSH, SVH and Eukocater Quarky Flag have been set to come records. 05.0FFL_SPLMOPH_2_02220022115918_002001 COGO Alterier Range CALL The OCGA Alterier Range CALL 05.0FFL_SPLMOPH_2_0220020115011_0020001 COGO Alterier Range CALL The OCGA Alterier Range CALL 05.0FFL_SPLMOPH_2_02200201151011_0020001 COGO Alterier Range CALL The OCGA Alterier Range CALL 05.0FFL_SPLMOPH_2_02200201151011_0020001 COGO Alterier Range CALL The OCGA Alterier Range CALL 05.0FFL_SPLMOPH_2_022002001151011_0020001 COGO Alterier Range CALL The OCGA Alterier Range CALL 05.0FFL_SPLMOPH_2_02200200115201_0020000115651_0001 COGO Alterier Range CALL The OCGA Alterier Range CALL 05.0FFL_SPLMOPH_2_020020002115201_002	CS_OFFL_SIR_NOPM_2_20220202T134253_20220202T140619_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Die GrFL Sift NOPM 2 2022020114318 2022020114318 2022020114309 (2001) Badacatier Quality Die One or more records Die OrFL Sift NOPM 2 2022020114318 2022020114309 (2004) Die OrFL Sift NOPM 2 2022020114318 2022020114309 (2004) Die OrFL Sift NOPM 2 2022020114318 2022020114309 (2004) Die OrFL Sift NOPM 2 20220201143018 2022020114309 (2004) Die OrFL Sift NOPM 2 20220201143018 2022020114309 (2004) Die OrFL Sift NOPM 2 20220201143018 2022020114309 (2004) Die OrFL Sift NOPM 2 2022020114301 20220201144319 (2004) Die OrFL Sift NOPM 2 2022020114301 2022020114431 (2004) Die OrFL Sift NOPM 2 2022020114630 (2004) Die OrFL Sift NOPM 2 2022020114240 (2022020114510 (2004) Die OrFL Sift NOPM 2 20	CS_OFFL_SIR_NOPM_2_20220202T140622_20220202T140947_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220202114318_0220202115034_0_001 and Backatter Caality. OCCG and the COCG Alterneter Range and Backatter Caality Fage fave been at Cool Alternet Fange and Backatter Caality Fage fave	CS_OFFL_SIR_NOPM_2_20220202T141901_20220202T141951_C001	0 ,,	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CB_OFFL_SIR_NOPM_2_20220027116118_02202027116120_01 And Backstatter Cuality, COCO Minimeter Parage Backstatter Cuality, COCO Source of the core of more records The COCO Allimeter Parage and Backscatter Cuality Flags have been st or or of more records CS_OFFL_SIR_NOPM_2_202200027116101_002202027115180_CO01 CCCG Allimeter Parage Cuality, CCCO Backscatter Cuality, CCCO Backscatter Cuality, CCCO Allimeter Parage Cuality, CCCO Allimeter Parage Cuality, CCCO Backscatter Cuality, CCCO Allimeter Parage Cuality, CCCO Backscatter Cuality, CCCO Backscatter Cuality, CCCO Backscatter Cuality, CCCO Backscatter Cuality, CCCO Allimeter Parage and Backscatter Cuality Flags have been st or or of more records CS_OFFL_SIR_NOPM_2_20220027116201_202202027116430_CO01 CCCG Allimeter Parage, SSHA, SWH and Backscatter Cuality, CCCO Allimeter Parage and Backscatter Cuality, Flags have been and the CCCO Allimeter Parage. SSHA, SWH and Backscatter Cuality, Flags have been and the CCCO Allimeter Parage. SSHA, SWH and Backscatter Cuality, Flags have been at for or or more records CS_OFFL_SIR_NOPM_2_2022002071162042_20220207116487_CO01 CCCG Allimeter Parage. SSHA, SWH and Backscatter Cuality Flags have been at for or or more records CS_OFFL_SIR_NOPM_2_2022002071162042_20220207116504_C001 CCCG Allimeter Parage. Cuality, CCCO Allimeter Parage. SSHA, SWH and Backscatter Cuality Flags have been st for or or more records CS_OFFL_SIR_NOPM_2_202200271162010_20170241_202202027117637_C001 CCCG Allimeter Parage. SSHA, SWH and Backscatter Cuality Flags have been st for or or more records CS_OFFL_SIR_NOPM_2_20220027116210_C001 CCCGA Allimeter Parage. SSHA, SWH and Backscatter Cuality Fl	CS_OFFL_SIR_NOPM_2_20220202T144318_20220202T150340_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Dev Dev <td>CS_OFFL_SIR_NOPM_2_20220202T150418_20220202T150912_C001</td> <td>and Backscatter Quality, OCOG</td> <td>The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records</td>	CS_OFFL_SIR_NOPM_2_20220202T150418_20220202T150912_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Des_OPPE_SIR_NOPM_2_20220202118201_00220202118433_0001 Baskscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_20220202118201_00220202118433_0001 Ocean Attracter Range, SSHA, SWH and Backscatter Quality Flags have bee act for one or more records CS_OFFL_SIR_NOPM_2_20220202118201_00220202116824_20220202116824_20022002116824_2002002116824_2002002116824_2002002116824_2002002116824_2002002116824_2002002116824_2002002116824_20020021176837_2001 DCOG Attimeter Range and Backscatter Quality Flags have been at for one or more records CS_OFFL_SIR_NOPM_2_20220021170244_20220021170837_2001 DCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have bee at for one or more records CS_OFFL_SIR_NOPM_2_20220021170244_2022002117014_001 DCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have bee at for one or more records The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have bee at for one or more records CS_OFFL_SIR_NOPM_2_20220202117618210_0001 DCod Attimeter Range, SSHA, SWH	CS_OFFL_SIR_NOPM_2_20220202T151201_20220202T151550_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220202118201_20220202116331_C001 and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality into COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been and backscatter Quality CS_OFFL_SIR_NOPM_2_20220202116504_202202021165504_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Backscatter Quality The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and for one or more records CS_OFFL_SIR_NOPM_2_202202021165501_202202021165504_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_202202021165501_202202021165504_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_202202021170244_202202021170357_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_202202021170244_202202021175114_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_202202021182140_20220202118219_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality The OCCGA Altimeter Range and Backscatter Quality Flags have been at for one or more records CS_OFFL_SIR_NOPM_2_202202021182140_20220202118219_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been at for one or more records The OCCGA A	CS_OFFL_SIR_NOPM_2_20220202T151611_20220202T151937_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220202116242_202202116550 and Backscatter Quality GCOG Alimeter Range and Backscatter Quality and the OCOG Alimeter Range and Backscatter Quality and the OCOG Alimeter Range and Backscatter Quality File OCOG Alimeter Range and Backscatter Quality <td>CS_OFFL_SIR_NOPM_2_20220202T152201_20220202T154931_C001</td> <td>and Backscatter Quality, OCOG</td> <td>The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records</td>	CS_OFFL_SIR_NOPM_2_20220202T152201_20220202T154931_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220202T165510_20220202T165840_0001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_20220202T165510_20220202T165840_0001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been so for one or more records CS_OFFL_SIR_NOPM_2_20220202T170244_20220202T170547_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been so for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, and Backscatter Quality Flags have been so for one or more records CS_OFFL_SIR_NOPM_2_20220202T181536_20220202T181509_0001 DCean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been so for one or more records The OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Al	CS_OFFL_SIR_NOPM_2_20220202T162042_20220202T164827_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220202T170244_20220202T173637_C001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_20220202T170244_20220202T173637_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220202T174929_20220202T175114_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220202T181535_20220202T181909_C001 COCG Altimeter Range, SSHA, SWH and Backscatter Quality The OCean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220202T182140_20220202T182319_C001 COCG Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags for one or more records CS_OFFL_SIR_NOPM_2_20220202T182518_2022020T182518_0C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee Altimeter Range and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have bee set for one or more records CS_OFFL_SIR_NOPM_2_20220202T182518_2022020T182518_C001 Ceean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality, COCG<	CS_OFFL_SIR_NOPM_2_20220202T165015_20220202T165504_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_2022020T170244_2022021T173637_001 and Backscatter Quality, COCG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range, and Backscatter Quality set for one or more records CS_OFFL_SIR_NOPM_2_20220202T174929_20220202T175114_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCean Altimeter Range, SSHA, SWH and Backscatter Quality GS_OFFL_SIR_NOPM_2_20220202T181535_20220202T181599_C001 OCCG Altimeter Range Quality, OCCG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220202T182140_20220202T182319_C001 OCean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality, Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220202T182140_20220202T182319_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality, Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220202T182518_20220202T182510_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality, Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220202T182518_2022022T182516_C001 Ocean Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality, Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220202T184126_20220202T183535_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality,	CS_OFFL_SIR_NOPM_2_20220202T165510_20220202T165840_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_2022020T174929_2022020T175114_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have bee Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_NOPM_2_2022020T181535_2022020T181535_2022020T182319_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have bee Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been so ard the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been so ard the OCOG Altimeter Range and Backscatter Quality Flags have been so ard the OCOG Altimeter Range and Backscatter Quality Flags have been so for one or more records CS_OFFL_SIR_NOPM_2_20220202T182518_2022020T182515_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have bee ad Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been so for one or more records CS_OFFL_SIR_NOPM_2_20220202T184126_2022020T19038_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have bee Altimeter Range and Backscatt	CS_OFFL_SIR_NOPM_2_20220202T170244_20220202T173637_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220201181535_20220201181595_0001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_202202021182140_202202021182319_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_202202021182518_202202021183535_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_202202021184126_202202021183535_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The 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_202202021184126_202202021190338_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, ISA The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_NOPM_2_202202021190623_2022021191523_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have bee set fo	CS_OFFL_SIR_NOPM_2_20220202T174929_20220202T175114_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220202T182140_20220202T182319_C001 and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_NOPM_2_20220202T182518_2022020T182518_2022020T182810_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_NOPM_2_20220202T182500_202T182505_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_20220202T183009_2022020T183535_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220202T184126_20220202T190338_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality Flags have bee Attimeter Range and Backscatter Quality Flags have bee action or or more records The Ocean Altimeter Range, SSHA, SWH 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_20220202T181535_20220202T181909_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_202202T182518_202202T182810_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_NOPM_2_202202T183009_202202T183535_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_202202T184126_202202T183535_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The 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 CS_OFFL_SIR_NOPM_2_2022020T184126_2022020T190338_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and the OCOG 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_2022020T190623_202202T191523_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_2022020T192818_2022002T193116_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Qual	CS_OFFL_SIR_NOPM_2_20220202T182140_20220202T182319_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220202T183009_20220202T183535_C001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_20220202T184126_2022020T190338_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_NOPM_2_2022020T190623_2022020T191523_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_NOPM_2_2022020T192818_2022002T193116_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee	CS_OFFL_SIR_NOPM_2_20220202T182518_20220202T182810_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_2022020T184126_202202T190338_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_NOPM_2_2022020T190623_202202T191523_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee and Backscatter Quality, OCOG CS_OFFL_SIR_NOPM_2_2022020T190623_2022020T191523_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Fl	CS_OFFL_SIR_NOPM_2_20220202T183009_20220202T183535_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_2022020T190623_202202T191523_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_NOPM_2_2022020T192818_202202T193116_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee and Backscatter Quality Flags have bee and Backscatter Quality Flags	CS_OFFL_SIR_NOPM_2_20220202T184126_20220202T190338_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220202T192818_20220202T193116_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have bee	CS_OFFL_SIR_NOPM_2_20220202T190623_20220202T191523_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	CS_OFFL_SIR_NOPM_2_20220202T192818_20220202T193116_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220202T193900_20220202T194429_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been see for one or more records	CS_OFFL_SIR_NOPM_2_20220202T193900_20220202T194429_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	CS_OFFL_SIR_NOPM_2_20220202T194738_20220202T200729_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_NOPM_2_20220202T200935_20220202T201434_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_20220202T202037_20220202T202732_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_20220202T202734_20220202T205319_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_20220202T211849_20220202T214212_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_20220202T220020_20220202T221630_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_20220202T221634_20220202T221800_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_20220202T222241_20220202T222832_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_20220202T222834_20220202T223121_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_20220202T223509_20220202T223538_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_20220202T225033_20220202T230643_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_20220202T230857_20220202T232342_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_20220202T233041_20220202T233252_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_20220202T233936_20220202T235439_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_20220202T235650_20220203T000625_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_20220202T010941_20220202T010943_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_20220202T011912_20220202T011950_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_20220202T033943_20220202T034101_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_20220202T101131_20220202T101258_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_20220202T122334_20220202T122342_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_20220202T232426_20220202T232609_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20220202T015615_20220202T015701_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20220202T061713_20220202T061725_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_20220202T073809_20220202T073820_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_20220202T084452_20220202T084539_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20220202T093609_20220202T093639_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_20220202T124042_20220202T124052_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
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CS_OFFL_SIR_NOPR_2_20220202T193304_20220202T193445_C001	S	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20220202T230643_20220202T230857_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz 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_20220201T235929_20220202T000034_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_20220202T001442_20220202T002046_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_20220202T011417_20220202T011636_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_202202021012210_202202021012333_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_20220202T015701_20220202T015846_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_20220202T023755_20220202T023905_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_20220202T024916_20220202T024938_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_20220202T025348_20220202T025831_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_20220202T025919_20220202T030041_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_20220202T030455_20220202T030642_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_20220202T033639_20220202T033814_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_20220202T033943_20220202T034101_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_20220202T051626_20220202T052014_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_20220202T054414_20220202T054623_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_20220202T055537_20220202T055645_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_20220202T055731_20220202T055756_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_20220202T060420_20220202T060503_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_20220202T061527_20220202T061644_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_20220202T072541_20220202T072800_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_202202021074701_202202021074736_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_20220202T084341_20220202T084452_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

CAL, OH, LARLANDY, LARDARD THER, LARDARD THER, LARDARD THE ALL AND ALL	CS_OFFL_SIR_NOPN_2_20220202T101131_20220202T101258_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
COUNT_COUNT_COUNT_COUNT ONC_COUNT ONC_COUNT COUNT Exercise of Count on	CS_OFFL_SIR_NOPN_2_20220202T111929_20220202T112143_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Deck Ser, Ser, Norry 2, 2000000111911, 20020001100101, 2001 DOOD Basksetter Gaaty Incremental CI, CAPL, Ser, NORV, 2, 20000001101912, 20020001100100, 2001 DOOD Basksetter Gaaty The DOOD Farge and Lance Care Care Care Care Care Care Care Car	CS_OFFL_SIR_NOPN_2_20220202T115042_20220202T115225_C001		
View Diff, UMPL & Alakadad II (1974). Additional Tables 2001 OCID Batterstater Gasin Incerements OBOPPL_SPL_VEX_2_D0000001 Constructure Resp. SNRA, SWN Resp. SNRA, SWN Batterstater Gasin Incerements OBOPPL_SPL_VEX_2_D0000001 Constructure Resp. SNRA, SWN Resp. SNRA, SWN Batterstater Gasin Incerements OBOPPL_SPL_VEX_2_D0000001 Constructure Resp. SNRA, SWN Resp. SNRA, SWN Resp	CS_OFFL_SIR_NOPN_2_20220202T115916_20220202T120151_C001		° , °
05. CPTL_SRI_NOPL_2_SE23002T12846_2002002T12846_0001 and backscate Cuality FILM Resp. Conf. Strike and Struke Backscate Cuality FiLM Resp. Conf. Strike Backscate Cuality FiLM Resp. Strike Backscate Cuality	CS_OFFL_SIR_NOPN_2_20220202T121757_20220202T122322_C001		
GS_OPTL_SIN_UPPL_2.0220000T1:4458_02022020T1:4458_0001 Imit Bask-state Dasht (FLM, OCC), Imit Bask-state Dasht (FLM, Imit Bask Imit Imit	CS_OFFL_SIR_NOPN_2_20220202T123958_20220202T124042_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
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CDPT COOG Restantor Cuality Into COOG Range and Exclosation Cuality Flags have been set for one or more records CS_OFFL_SR_NOPNL_2_20220201116501_20220201116501_20220201116500_COOII COOG Alteretor Range Duality PLBM. The COOG Range and Exclosation Cuality Flags have been set for one or more records. CS_OFFL_SR_NOPNL_2_20220201116501_202202021116501_20220201116501_202200201116501_2020001_204000_00 The OCOO Alteret Range And Backscatter Cuality	CS_OFFL_SIR_NOPN_2_20220202T143836_20220202T144018_C001		
DO OFFL SIR NORM 2_8022002119309 DOOG Bioscenter Quiliy more records C5_OFFL_SIR_NORM_2_80220021193091_02220021191080_001 DOOG Almeter Range Quily PLM. DOOG Bioscenter Quily The OCOG Range and Backscenter Quily Flags have been set for one or more records C5_OFFL_SIR_NORM_2_80220021193091_02220021195096_0001 DOOG Almeter Range Quily PLM. DOOG Bioscenter Quily The OCOG Range and Backscatter Quily Flags have been set for one or more records C5_OFFL_SIR_NORM_2_80220021193915_02200221195916_0001 DOOG Almeter Range Quily PLM. DOOG Bioscenter Quily The OCOG Range and Backscatter Quily Flags have been set for one or more records C5_OFFL_SIR_NORM_2_80220021193916_0001 DOOG Almeter Range Quily PLM. The OCOG Range and Backscatter Quily Flags have been set for one or more records The OCOG Range and Backscatter Quily Flags have been set for one or more records C5_OFFL_SIR_NORM_2_80220021121417_0001 DOGG Almeter Range Quily PLM. The OCOG Range and Backscatter Quily Flags have been set for one or more records The OCOG Range and Backscatter Quily Flags have been set for one or more records C5_OFFL_SIR_NORM_2_80220007123440_1_90220007123440_1_9020007123440_2_90220007123440_2_90220007123440_2_90220007123440_2_90220007123440_2_90220007123440_2_9029007123440_2_90220007123440_2_90220007123440_2_90220007123440_2_90220007123440_2_90220007123440_2_90220007123440_2_90220007123440_2_90220007123440_2_90220007123440_2_90220007123440_2_9001 The OCOG Range and Backscatter Quily Flags have been set for one or more records C6_OFFL_SIR_NORM_2_90220007123440_2_90220007123440_2_90220007123440_2_90210001723440_2_90220007123440_2_90210001723440_2_9001 DOOG Ran	CS_OFFL_SIR_NOPN_2_20220202T150935_20220202T151201_C001		
DCD FIL_SPL_NOPR_2_20020027180805_0020108005_0001 DCOG Backstoatter Qualty more records DS_OFFIL_SPL_NOPR_2_20020027180805_0020118009_C001 DCOG Attimeter Range Qualty PLRM. The CCOG Range and Backscatter Qualty Flags have been set for one or more records DS_OFFIL_SPL_NOPR_2_20020027118010_2020020118009_C001 DCOG Attimeter Range Qualty PLRM. The CCOG Range and Backscatter Qualty Flags have been set for one or more records DS_OFFIL_SPL_NOPR_2_200200201118011_202200201118010_0001 DCOG Attimeter Range Qualty PLRM. The CCOG Range and Backscatter Qualty Flags have been set for one or more records DS_OFFIL_SPL_NOPR_2_200200201214910_001 DCOG Attimeter Range Qualty PLRM. The CCOG Range and Backscatter Qualty Flags have been set for one or more records DS_OFFIL_SPL_NOPR_2_200200217214910_2020020121215147_0001 DCOG Attimeter Range Qualty PLRM. The CCOG Range and Backscatter Qualty Flags have been set for one or more records DS_OFFIL_SPL_NOPR_2_202200217234421_202202012124642_0001 DCOG Attimeter Range Qualty PLRM. The CCOG Range and Backscatter Qualty Flags have been set for one or more records DS_OFFIL_SPL_NOPR_2_20220021723462_2001 DCOG Attimeter Range SMA SWH. The CCOG Range and Backscatter Qualty Flags have been set for one or more records DS_OFFIL_SPL_NOPR_2_20220021723463_2020021723642_001 DCOG Attimeter Range SMA SWH. The CCOG Range and Backscatter Qualty Flags have been set for one or more records </td <td>CS_OFFL_SIR_NOPN_2_20220202T151937_20220202T152116_C001</td> <td></td> <td></td>	CS_OFFL_SIR_NOPN_2_20220202T151937_20220202T152116_C001		
OPUTE_SIR_NOPN_2_2022020119451_20220021193519_0001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPN_2_20220202119361_20220021193619_0001 OCOG Admeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPN_2_202202021139361_20220021193710_0001 OCOG Admeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_202202021214910_20220021215147_C001 Ocog Admeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_202202021214910_202200212151549_0001 OCOG Admeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_202202021224242 OCOG Admeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_202202021224262_20220212232609_C001 OCOG Admeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_202202021232626_202202021232609_C001 OCOG Admeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_202202021232626_20220221232609_C001 Ocom Admeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_202202021232626_20220221232609_C001254_C001 OCOG Admeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one	CS_OFFL_SIR_NOPN_2_20220202T180951_20220202T181058_C001		
US_OPEL_SIR_NOPR_2_2022002T193811_2022020T193710_0001 OCOG Backscatter Quality Incre records CS_OPEL_SIR_NOPR_2_2022002T193811_2022020T193710_0001 OCOG Alimeter Range Sush SWH and Backscatter Quality PLRM, COCOG Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_NOPN_2_2022020272326425_2020272326426_2022020272326426_202202027238476_2000001 COCOG Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_NOPR_2_202202027238476_20202027238476_2000001 COCOG Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_NOPR_2_202202027238262_2020207103016_20202020101554_C0011 COCOG Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPN_2_20220202T182845_20220202T183009_C001		
OS_OFFL_SIR_NOPN_2_202202021214910_202202021215147_C001 OCOG Backscatter Quality Immer Recods OS_OFFL_SIR_NOPN_2_202202021214910_202202021215147_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, have been VLIM. The OCOG Range and Backscatter Quality Flags, have been set for one or more records OS_OFFL_SIR_NOPN_2_202202021215439_C001 COCG Altimeter Range Quality PLIM, COCG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPN_2_202202021224421_202202021223426_001 COCG Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPN_2_202202021223426_0020021223426_001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality FLIM, COCG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPN_2_202202021232426_0020021232609_C011 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality FLIM, COCG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPN_2_202202021232615_02020021233037_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records OS_OFFL_SIR_NOPR_2_20220202100300_020220020100325_C001 COCOG Altimeter Range Quality PLIM, COCG Backscatter Quality FLIM, COCGG Backscatter Quality PLIM, COCGG Backscatter Quality PL	CS_OFFL_SIR_NOPN_2_20220202T193451_20220202T193519_C001		
CS_OFFL_SIR_NOPN_2_202202027214910_20220207215147_C001 and Backscatter Quality PLMM_C000 Attimeter Range and Backscatter Quality PLMM_C000 Attimeter Range and Backscatter Quality PLMM_C000 Attimeter Range and Backscatter Quality PLMM_C000 C000 Attimeter Range Quality PLMM_C000 C000 Attimeter Range Quality PLMM_C000 Backscatter Quality PLMM_C000 C000 Attimeter Range Quality PLMM_C000 C000 Attimeter Range Quality PLMM_C000 C000 Attimeter Range Quality PLMM_C000 Docar Attimeter Range. SSHA, SWH and the C000 Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_202202027232426_202027232409_C001 C000 Attimeter Range. SSHA, SWH and Backscatter Quality PLMM_C000 Backscatter Quality PLMM_C000 Attimeter Range. SSHA, SWH and the C000 Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_202202027232426_202027232409_C001 C000 Attimeter Range. SSHA, SWH and Backscatter Quality PLMM_C000 Attimeter Range and Backscatter Quality Flags have been set for one or more cords CS_OFFL_SIR_NOPN_2_202202027232615_2022027233641_C001 C000 Attimeter Range Ad Backscatter Quality Flags and the C000 Attimeter Range and Backscatter Quality Flags and the C000 Attimeter Range and Backscatter Quality Flags and the C000 Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220202703020_202703025_C001 C000 Attimeter Range Ad Backscatter Quality Flags and the C000 Attimeter Range	CS_OFFL_SIR_NOPN_2_20220202T193611_20220202T193710_C001		
US_OFFL_SIR_NOPR_2_202202071234421_202202027224542_C001 OCCGG Backscatter Quality more records CS_OFFL_SIR_NOPR_2_202202071232426_20220272232609_C001 CCGG Altimeter Range Quality PLRM, OCCGG Altimeter Range and Backscatter Quality The OCCGG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_202202027233252_2022027203255_C001 OCCGG Altimeter Range Quality PLRM, OCCGG Altimeter Range Quality PLRM, OCCGG Altimeter Range Quality PLRM, OCCGG Altimeter Range Quality PLRM, OCCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_202202027003000_20220027003005_C001 OCCGG Altimeter Range, SSHA, SWH and Backscatter Quality The OCCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_202202021004504_20220027004643_C001 OCCGG Altimeter Range, SSHA, SWH and Backscatter Quality The OCCGG Altimeter Range, SSHA, SWH and Backscatter Quality The OCCGG Altimeter Range, SSHA, SWH and Backscatter Quality	CS_OFFL_SIR_NOPN_2_20220202T214910_20220202T215147_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20220202T232426_20220202T232609_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_NOPN_2_20220202T232426_20220202T232609_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLags CS_OFFL_SIR_NOPN_2_20220202T232615_20220202T233041_C001 Milmeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLags CS_OFFL_SIR_NOPN_2_20220202T233252_2022022T233041_C001 Milmeter Range and Backscatter Quality The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLags CS_OFFL_SIR_NOPN_2_20220202T233252_20220202T233337_C001 OCOG Altimeter Range Quality PLRM, OCOG The OCCG Range and Backscatter Quality FLags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220202T000901_2022020T001254_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220202T003000_2022020T003025_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLags and Backscatter Quality FLags, a	CS_OFFL_SIR_NOPN_2_20220202T215339_20220202T215543_C001		
CS_OFFL_SIR_NOPN_2_20220207232426_20220207232609_C001 and Backscatter Quality PLRM, CCCG and Backscatter Quality Flags have been af the OCGG Altimeter Range and Backscatter Quality Flags have been ast for one or more records CS_OFFL_SIR_NOPN_2_202202027232615_20220207233041_C001 Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been ast for one or more records CS_OFFL_SIR_NOPN_2_202202027233265_20220207233337_C001 OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been ast for one or more records CS_OFFL_SIR_NOPN_2_202202027233252_20220207233337_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_202202027003001_202202027001254_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_202202027003000_20220207003025_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_202202021004504_20220207104643_C001 OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_202202021016811_202202021011417_C001 OCCG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_202202021016811_202202021011721_C001 OCCG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPN_2_20220202T224421_20220202T224542_C001		
CS_OFFL_SIR_NOPN_2_2022027232615_2022027233041_C001 and Backscatter Quality PLRM_OCOG Allimeter Range and Backscatter Quality Flags. Name been Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_202202027233252_2022027233252_2022027233337_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_202202027003000_20220202T003025_C001 OCCGA Ilimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Back	CS_OFFL_SIR_NOPN_2_20220202T232426_20220202T232609_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_20220202T000901_20220202T001254_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_NOPR_2_20220202T000901_20220202T001254_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_20220202T003000_20220202T003025_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPR_2_20220202T004504_20220202T004643_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_20220202T010811_20220202T011417_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter 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_20220202T010811_20220202T011417_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 PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_NOPR_2_20220202T011636_20220202T011721_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altim	CS_OFFL_SIR_NOPN_2_20220202T232615_20220202T233041_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_202202000001_20220201001254_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_NOPR_2_2022020200000_20220200000_2022020000025_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPR_2_20220202T004504_2022020T004643_C001 OCOG Backscatter Quality PLRM, OCOG Backscatter Quality The OCCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220202T010811_2022020T014643_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPR_2_2022020T010811_2022020T011417_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPR_2_2022020T011636_2022002T011721_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPR_2_20220202T011950_2022020T0112210_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPR_2_20220202T011950_2022020T0112210_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality C	CS_OFFL_SIR_NOPN_2_20220202T233252_20220202T233337_C001		
CS_OFFL_SIR_NOPR_2_202202000000_202202000000_202202000000	CS_OFFL_SIR_NOPR_2_20220202T000901_20220202T001254_C001		
CS_OFFL_SIR_NOPR_2_20220201004304_20220201004843_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_NOPR_2_20220202T010811_20220202T011417_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_NOPR_2_20220202T011636_2022020T011721_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPR_2_20220202T011950_2022020T0112210_C001 And Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPR_2_20220202T003000_20220202T003025_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_2022020T010811_2022020T011417_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_2022020T011636_2022020T011721_C001 and Backscatter Quality PLRM, OCOG 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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hard the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hard the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hard backscatter Quality PLRM, Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags hard Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, or one or more records	CS_OFFL_SIR_NOPR_2_20220202T004504_20220202T004643_C001		
CS_OFFL_SIR_NOPR_2_20220202T011636_20220202T011721_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Ind Ocean Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPR_2_20220202T011950_2022020T012210_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_NOPR_2_20220202T011950_2022020T012210_C001 Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_NOPR_2_20220202T010811_20220202T011417_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_20220202T011950_20220202T012210_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags are recorded.	CS_OFFL_SIR_NOPR_2_20220202T011636_20220202T011721_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_20220202T011950_20220202T012210_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_20220202T012923_20220202T013045_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_20220202T033436_20220202T033639_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_20220202T042650_20220202T043430_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_20220202T051346_20220202T051626_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_20220202T060739_20220202T061527_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_20220202T073452_20220202T073635_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_20220202T074412_20220202T074701_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_20220202T074736_20220202T075805_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_20220202T083201_20220202T083322_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_20220202T092713_20220202T093437_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_20220202T093641_20220202T093957_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_20220202T104154_20220202T104312_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_20220202T110624_20220202T111145_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_20220202T113253_20220202T113603_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_20220202T120151_20220202T120401_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_20220202T120533_20220202T120604_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_20220202T124520_20220202T125222_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_20220202T125713_20220202T125729_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_20220202T130600_20220202T131413_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_20220202T140947_20220202T141219_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_20220202T142342_20220202T142848_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_20220202T160035_20220202T160926_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_20220202T160945_20220202T161217_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_20220202T173958_20220202T174929_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_20220202T175114_20220202T175313_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_20220202T205319_20220202T205504_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

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

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

188

62

138

> 1 Hz and 1 Hz 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 (20 Hz)

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.

19

1760

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

7. NOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	190	190	2	188	0
SIR_NOPR1B	129	129	0	129	0
SIR_NOPN1B	100	100	3	95	2
SIR_NOPM_2	190	190	137	53	0
SIR_NOPR_2	129	129	43	78	8
SIR_NOPN_2	99	99	39	59	1

7.1 QCC Errors

Number of QCC reports with errors:

SIR_NOPN1B 0	0	0	-					
	0	0	0	0	0	2		
SIR_NOPN_2 1	1	1	1	1	1	0		
SIR_NOPR_2 8	1	8	8	1	8	0		

Test Description Key:		
Abbreviation		Details
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7 - NetCDF
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7 - NetCDF
RL	RangeLongitude_6	Longitude should be between -180E6 and 180E6
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7
RRTAISSOPOBHRNCD	RangeRecordTAIStartStopOPOrBlankHRNetC	The time value should be between the record TAI start/stop times of the SPH

7.2 QCC Warnings

Number of QCC reports with warnings

	Total number of occurrences of each warning							
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	
SIR_NOPM1B	188	0	0	0	0	0	0	
SIR_NOPM_2	0	0	42	40	0	41	0	
SIR_NOPN1B	97	0	0	0	0	0	0	
SIR_NOPN_2	0	1	5	37	5	20	26	
SIR_NOPR1B	125	0	0	0	0	0	0	
SIR_NOPR_2	0	8	27	43	0	20	21	

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	36	0	35	0	0	0	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	12	0	0	0	24	0	38
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	8	1	0	45	0	55	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	32	0	0	5	33	0	2
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	32	8	42	50	28
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	0	46	0	1	59	27	12
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-
Product Type SIR_NOPM1B	RSWHOEPFDNCDF 0	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF 0	SOOHHIFHD 0	SCSTODHRNCDF 0	SCSTODNCDF 0	•
SIR_NOPM1B		RSWHOEPFDPLRMNCDF 0 0	RSWHOEPNCDF 0 3	SOOHHIFHD 0 0	SCSTODHRNCDF 0 0	SCSTODNCDF 0 0	-
SIR_NOPM1B	0	RSWHOEPFDPLRMNCDF 0 0 0 0	RSWHOEPNCDF 0 3 0	0	SCSTODHRNCDF 0 0 44	SCSTODNCDF 0 0 0	-
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B	0 41	RSWHOEPFDPLRMNCDF 0 0 0 0 33	RSWHOEPNCDF 0 3 0 13	0	0	SCSTODNCDF 0 0 0 0	-
SIR_NOPM1B SIR_NOPM_2 SIR_NOPN1B	0 41 0	0 0 0	RSWHOEPNCDF 0 3 0 13 0	0	0 0 44 0	SCSTODNCDF 0 0 0 0 13	•

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	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma 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				
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean				
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 CDF	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 F	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 DF	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				
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				

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0