

1. Overview

Report Production:	01-Jun-2023
Processor Used:	CryoSat Ocean Processor
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

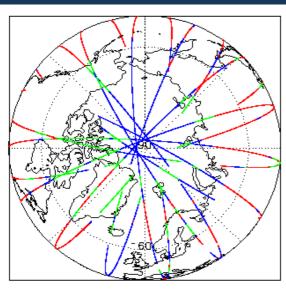
We would love to hear from you!

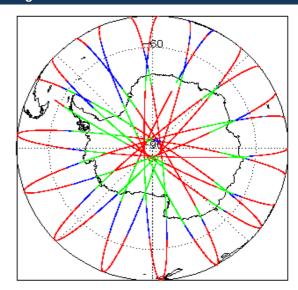
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

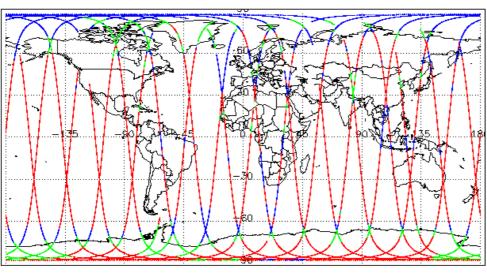
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7
QCC Error/ Warning Check	See Section 7.2

M	Mission / Instrument News	
	30-May-2023	None
:	31-May-2023	None
	01-Jun-2023	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

4.2 L1B Product Header Analysis

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

> L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B NOPR and NOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

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4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. 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:

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.

Number of products with errors:

13

r one or more records
r 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:

0

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.
- > 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:

55

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20230531T023118_20230531T023217_C001	liviean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

Comparison Com			
Topograph (1) C. CHPL SR NOPN E 200000110 (00	CS_OFFL_SIR_NOPM_2_20230531T054201_20230531T054311_C001	Mean Dynamic Topography (1)	
Topography (1) Topography (2) Topography (3) Topography (2) Topography (3) Topography (3) Topography (3) Topography (4) Topography (3) Topography (4) Topography (4)	CS_OFFL_SIR_NOPN_2_20230531T000124_20230531T000717_C001		
Mach State Section Mach State Mach S	CS_OFFL_SIR_NOPN_2_20230531T010046_20230531T010142_C001		
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Incorporate Congress Congre	CS_OFFL_SIR_NOPN_2_20230531T023523_20230531T023623_C001		
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CS_OFFL_SIR_NOPN_2_20230531T132442_20230531T131802_C001 Mean Dynamic Topography (1), Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) and the Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic 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 (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_20230531T1850559_20230531T18532_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more	CS_OFFL_SIR_NOPN_2_20230531T114540_20230531T114927_C001	Topography (1)	Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230531T131340_20230531T132908_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records 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 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 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 Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records Mean Dynamic Topography (1) Mean Dynamic Topography 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 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Dynamic Topography (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	CS_OFFL_SIR_NOPN_2_20230531T122936_20230531T123147_C001	Topography (1), Total Geocentric Ocean	Topography height (solution 1) and the Total Geocentric Ocean Tide
Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic 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 Mean Dynamic Topography height for one or more records	CS_OFFL_SIR_NOPN_2_20230531T131546_20230531T131802_C001	Mean Dynamic Topography (1)	
Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records 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 (1) Topography (1) Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic 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_20230531T132442_20230531T132908_C001		
Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography 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 Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) Topography (20230531T182156_20230531T182514_C001 Mean Sea Surface (1), Mean Dynamic Topography 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 Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records	CS_OFFL_SIR_NOPN_2_20230531T140619_20230531T141011_C001		
Topography (1) Topography height (solution 1) for one or more records Topography height (solution 1) for one or more records Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Topography 1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records	CS_OFFL_SIR_NOPN_2_20230531T141030_20230531T141138_C001		
CS_OFFL_SIR_NOPN_2_20230531T181507_20230531T181532_C001 Mean Dynamic Topography (1) Mean Dynamic Topography (1) Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records CS_OFFL_SIR_NOPN_2_20230531T182156_20230531T182514_C001 Mean Dynamic Topography (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_20230531T182156_20230531T182514_C001 Mean Dynamic Topography (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 Mean Dynamic Topography height for one or more records	CS_OFFL_SIR_NOPN_2_20230531T145604_20230531T145837_C001		
CS_OFFL_SIR_NOPN_2_20230531T181507_20230531T181532_C001 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_20230531T191311_20230531T191401_C001 Mean Dynamic Topography (1) Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or	CS_OFFL_SIR_NOPN_2_20230531T150559_20230531T150742_C001	Mean Dynamic Topography (1)	
Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20230531T182156_20230531T182514_C001 Topography (1) Topography (1) Topography (2) There is an error with the Mean Dynamic Topography (1)	CS_OFFL_SIR_NOPN_2_20230531T181507_20230531T181532_C001	Mean Dynamic Topography (1)	
	CS_OFFL_SIR_NOPN_2_20230531T182156_20230531T182514_C001		
	CS_OFFL_SIR_NOPN_2_20230531T191311_20230531T191401_C001	Mean Dynamic Topography (1)	

CS_OFFL_SIR_NOPN_2_20230531T195429_20230531T195545_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_20230531T200053_20230531T200407_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_20230531T213527_20230531T213802_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_20230531T213958_20230531T214535_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_20230531T223049_20230531T223445_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_20230531T231314_20230531T231706_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_20230531T023623_20230531T023959_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_20230531T041539_20230531T041841_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_20230531T041949_20230531T042031_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_20230531T054311_20230531T054449_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_20230531T055406_20230531T060155_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_20230531T073347_20230531T074505_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_20230531T091336_20230531T092128_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_20230531T105240_20230531T105812_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_20230531T122146_20230531T122244_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_20230531T123147_20230531T123722_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_20230531T141011_20230531T141030_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_20230531T141138_20230531T141523_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_20230531T141557_20230531T141727_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_20230531T154756_20230531T155529_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_20230531T172613_20230531T173307_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_20230531T174255_20230531T174452_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_20230531T230925_20230531T231314_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

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.

83

0

Number of products with errors:

Product
Test Failed
Description

CS_OFFL_SIR_NOPM_2_20230530T235226_20230531T000124_C001
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

Solicitate Caulty CR_OPPL_SR_NOPA_2_PERSONITION_CREATED TROPAGE_COIL			1
Description Color	CS_OFFL_SIR_NOPM_2_20230531T000717_20230531T000948_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Casility, COCO Abments Flarge and Backscatter Casility (Page In Abments Flarge and Backscatter Casility, COCO Abments Flarge and Backscatter Casility Abments Flarge a	CS_OFFL_SIR_NOPM_2_20230531T001012_20230531T001438_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_2020031T03035_2023051T03036_001 CS_OFFL_SIR_NOPM_2_2020031T01044_2023031T03104_001 CS_OFFL_SIR_NOPM_2_2020031T01044_2023031T04055_001 CS_OFFL_SIR_NOPM_2_2020031T010404_2023031T04055_001 CS_OFFL_SIR_NOPM_2_2020031T0404_2023031T04055_001 CS_OFFL_SIR_NOPM_2_2020031T0404_2023031T04058_001 CS_OFFL_SIR_NOPM_2_2020031T04056_2023031T04058_001 CS_OFFL_SIR_NOPM_2_2020031T04056_2023031T04058_001 CS_OFFL_SIR_NOPM_2_2020031T04056_20231T04058_001 CS_OFFL_SIR_NOPM_2_2020031T04056_20231T04058_001 CS_OFFL_SIR_NOPM_2_2020031T04058_001 CS_OFFL_SIR_NOPM_2_2020033T04058_001 CS_OFFL_SIR_NOPM_2_2020033T04058_001 CS_OFFL_SIR_NOPM_2_2020033T04058_001 CS_OFFL_SIR_NOPM_2_2020033T04058_001 CS_OFFL_SIR_NOPM_2_2020033T04058_001 CS_OFFL_SIR_NOPM_2_2020033T040583_0001 CS_OFFL_SIR_NOPM_2_2020033T040583_0001 CS_OFFL_SIR_NOPM_2_2020033T	CS_OFFL_SIR_NOPM_2_20230531T001706_20230531T003123_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
and the COCO Allimeter Range and Backscatter Quality (Flags In MOPM 2_2020351T01827_2020531T014206_C001 CS_OFFL_SIR_NOPM_2_2020353T011827_2020531T014206_C001 CS_OFFL_SIR_NOPM_2_2020353T018242_2020531T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0154501_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0154501_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0154502_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0154502_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0054502_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0054502_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0054502_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0054502_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0054502_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0054552_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0054552_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0054552_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T0054552_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T005555_2020353T01535S2_C001 CS_OFFL_SIR_NOPM_2_2020353T005555_2020353T0153SS2_C001 CS_OFFL_SIR_NOPM_2_2020353T005555_2020353T0153SS2_C001 CS_OFFL_SIR_NOPM_2_2020353T005555_2020353T0153SS2_C001 CS_OFFL_SIR_NOPM_2_2020353T005552_2020353T055SS2_C001 CS_OFFL_SIR_NOPM_2_2020353T005552_2020353T055SS2_C001 CS_OFFL_SIR_NOPM_2_2020353T055SS2_2020353T05SSS2_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSS2_2020353T05SSS2_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSS2_2020353T05SSS2_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSS2_2020353T05SSS2_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSS2_2020353T05SSS2_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSS2_2020353T05SSSS_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSS2_2020353T05SSSS_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSS2_2020353T05SSSS_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSS2_2020353T05SSSS_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSS2_202035T05SSSS_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSSS_202035T05SSSS_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSSS_202035T05SSSS_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSSS_202035T05SSSS_C001 CS_OFFL_SIR_NOPM_2_2020353T05SSSS_202035T05S	CS_OFFL_SIR_NOPM_2_20230531T003303_20230531T003805_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
and Backscatiler Quality. OCOG Allimeter Range and Backscatiler Quality Plags Inselts (Company) and the OCOG Allimeter Range and Backscatiler Quality Plags Inselts (Company) and Company (Company) an	CS_OFFL_SIR_NOPM_2_20230531T010954_20230531T011704_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
Backscatter Quality CS OFFL SIR NOPM 2 20230531T015624 20230531T021945 (2001 CS OFFL SIR NOPM 2 20230531T025446 20230531T021955 (2001 CS OFFL SIR NOPM 2 20230531T025446 20230531T032195 (2001 CS OFFL SIR NOPM 2 20230531T03247 (20030531T032195 (2001) CS OFFL SIR NOPM 2 20230531T03247 (20030531T032195 (2001) CS OFFL SIR NOPM 2 20230531T03247 (20030531T030314) (2001) CS OFFL SIR NOPM 2 20230531T032549 (20030531T04028) (2001) CS OFFL SIR NOPM 2 20230531T032549 (20030531T04028) (2001) CS OFFL SIR NOPM 2 20230531T04028 (2001) CS OFFL SIR NOPM 2 20230531T050303 (20030531T05008) (2001) CS OFFL SIR NOPM 2 20230531T050332 (20230531T05008) (2001) CS OFFL SIR NOPM 2 20230531T050332 (20230531T05308) (2001) CS OFFL SIR NOPM 2 20230531T050332 (20230531T05308) (2001) CS OFFL SIR NOPM 2 20230531T050337 (20230531T05508) (2001)	CS_OFFL_SIR_NOPM_2_20230531T011827_20230531T014205_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
and Basicscater Quality, COCG General Primeter Pragnes, SSNA, SWH and Backscater Quality General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG Banderster Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG Alterneter Pragne, SSNA, SWH and Backscater Quality, OCCG Alterneter Pragne, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG Alterneter Pragne, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Pragnes, SSNA, SWH and Backscater Quality, OCCG General Primeter Primeter, SSNA, SWH and Backscater Quality, OCCG General Primeter Primeter, SSNA, SWH and Backscater Quality, OCCG General Primeter Primeter, SSNA, SWH and Backscater Quality, OCCG General Primeter Primeter, SSNA, SWH and Backscater Quality, OCCG General	CS_OFFL_SIR_NOPM_2_20230531T014501_20230531T015353_C001	0 7	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20230531T032717_20230531T033143_C001 Altimeter Range and Backscatter Quality COG Altimeter Range and Backscatter Quality Flags have for one or more records CS_OFFL_SIR_NOPM_2_20230531T033549_20230531T043014_C001 CS_OFFL_SIR_NOPM_2_20230531T0430549_20230531T043014_C001 CS_OFFL_SIR_NOPM_2_20230531T0430549_20230531T043008_C001 CS_OFFL_SIR_NOPM_2_20230531T043051_20230531T050008_C001 CS_OFFL_SIR_NOPM_2_20230531T050033_20230531T050008_C001 CS_OFFL_SIR_NOPM_2_20230531T050033_20230531T053005_C001 CS_OFFL_SIR_NOPM_2_20230531T0503034_C001 CS_OFFL_SIR_NOPM_2_20230531T053334_20230531T053334_C001 CS_OFFL_SIR_NOPM_2_20230531T053334_20230531T053334_C001 CS_OFFL_SIR_NOPM_2_20230531T053334_20230531T053335_C001 CS_OFFL_SIR_NOPM_2_20230531T053334_20230531T053335_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053335_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053335_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053335_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053335_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053335_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053335_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053335_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053335_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T055335_C001 CS_OFFL_SIR_NOPM_2_20230531T0553337_20230531T055335_C001	CS_OFFL_SIR_NOPM_2_20230531T015624_20230531T021954_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_20230531T035349_20230531T040208_C001 CS_OFFL_SIR_NOPM_2_20230531T042855_20230531T040208_C001 CS_OFFL_SIR_NOPM_2_20230531T042855_20230531T040208_C001 CS_OFFL_SIR_NOPM_2_20230531T042855_20230531T040208_C001 CS_OFFL_SIR_NOPM_2_20230531T042855_20230531T040208_C001 CS_OFFL_SIR_NOPM_2_20230531T040205_20230531T040008_C001 CS_OFFL_SIR_NOPM_2_20230531T040008_C001 CS_OFFL_SIR_NOPM_2_20230531T050008_C001 CS_OFFL_SIR_NOPM_2_2023	CS_OFFL_SIR_NOPM_2_20230531T025446_20230531T032055_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
and Backscater Quality COG Altimeter Range and Backscater Quality Flags have for one or more records CS_OFFL_SIR_NOPM_2_20230531T043241_20230531T050008_C001 CS_OFFL_SIR_NOPM_2_20230531T050533_20230531T050008_C001 CS_OFFL_SIR_NOPM_2_20230531T050633_20230531T050008_C001 CS_OFFL_SIR_NOPM_2_20230531T0503051_C001 CS_OFFL_SIR_NOPM_2_20230531T053034_C001 CS_OFFL_SIR_NOPM_2_20230531T053037_20230531T053034_C001 CS_OFFL_SIR_NOPM_2_20230531T053037_20230531T0530352_C001 CS_OFFL_SIR_NOPM_2_20230531T053037_20230531T0530352_C001 CS_OFFL_SIR_NOPM_2_20230531T050503_2000331T0530352_C001 CS_OFFL_SIR_NOPM_2_20230531T050503_2000331T0550322_C001 CS_OFFL_SIR_NOPM_2_20230531T050503_2000331T0550322_C001 CS_OFFL_SIR_NOPM_2_20230531T050503_2000331T0550322_C001 CS_OFFL_SIR_NOPM_2_20230531T050503_2000331T0550504_C001 CS_OFFL_SIR_NOPM_2_20230531T065050_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T065050_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T065054_20230531T065053_C001 CS_OFFL_SIR_NOPM_2_20230531T065054_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T065054_20230531T065053_C001 CS_OFFL_SIR_NOPM_2_20230531T065054_20230531T065053_C001 CS_OFFL_SIR_NOPM_2_20230531T065050_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T065054_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T065050_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T065050_	CS_OFFL_SIR_NOPM_2_20230531T032717_20230531T033143_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality, CCGG Altimeter Range and Backscatter Quality Flags has for one or more records CS_OFFL_SIR_NOPM_2_20230531T043231_20230531T050008_C001 CS_OFFL_SIR_NOPM_2_20230531T050633_20230531T050008_C001 CS_OFFL_SIR_NOPM_2_20230531T050633_20230531T051223_C001 CS_OFFL_SIR_NOPM_2_20230531T050633_20230531T051223_C001 CS_OFFL_SIR_NOPM_2_20230531T051404_20230531T052908_C001 CS_OFFL_SIR_NOPM_2_20230531T051404_20230531T052908_C001 CS_OFFL_SIR_NOPM_2_20230531T051404_20230531T052908_C001 CS_OFFL_SIR_NOPM_2_20230531T053034_C001 CS_OFFL_SIR_NOPM_2_20230531T053034_C001 CS_OFFL_SIR_NOPM_2_20230531T053034_C001 CS_OFFL_SIR_NOPM_2_20230531T053334_C001 CS_OFFL_SIR_NOPM_2_20230531T053334_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053055_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053055_C001 CS_OFFL_SIR_NOPM_2_20230531T0553337_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T0553337_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T0553337_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T0553337_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T055337_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T055337_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T055337_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T055337_C0230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T055337_C0230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T055337_C0230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T055337_C0230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T06500_20230531T065504_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065504_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_2023	CS_OFFL_SIR_NOPM_2_20230531T033549_20230531T040208_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
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have to one or more records The OCCG Altimeter Range and Backscatter Quality Flags have to one or more records The OCCG Altimeter Range and Backscatter Quality Flags have to one or more records The OCCG Altimeter Range and Backscatter Quality Flags have to one or more records The OCCG Altimeter Range and Backscatter Quality Flags have to one or more records The OCCG Altimeter Range and Backscatter Quality Flags have to one or more records The OCCG Altimeter Range and Backscatter Quality set for one or more records The OCCG Altimeter Range and Backscatter Quality set for one or more records The OCCG Altimeter Range and Backscatter Quality set for one or more records The OCCG Altimeter Range and Backscatter Quality Flags have and the OCCG Altimeter Range and Backscatter Quality set for one or more records The OCCG Altimeter Range and Backscatter Quality set for one or more records The OCCG Altimeter Range and Backscatter Quality Flags have for one or more records The OCCG Altimeter Range and Backscatter Quality set for one or more records The OCCG Altimeter Range and Backscatter Quality set for one or more records The OCCG Altimeter Range and Backscatter Quality set for one or more records The OCCG Altimeter Range and Backscatter Quality set for one or more records The OCCG Altimeter Range and Backscatter Quality and Backscatter Quality The OCCG Altimeter Range and Backscatter Quality and Backscatter Quality The OCCG Altimeter Range and Backscatter Quality and Backscatter Quality The OCCG Altimeter Range and Backscatter Quality	CS_OFFL_SIR_NOPM_2_20230531T042855_20230531T043140_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
Backscatter Quality CS_OFFL_SIR_NOPM_2_20230531T051404_20230531T052908_C001 CS_OFFL_SIR_NOPM_2_20230531T052912_20230531T052908_C001 CS_OFFL_SIR_NOPM_2_20230531T052912_20230531T053051_C001 CS_OFFL_SIR_NOPM_2_20230531T052912_20230531T053051_C001 CS_OFFL_SIR_NOPM_2_20230531T053324_20230531T053051_C001 CS_OFFL_SIR_NOPM_2_20230531T053324_20230531T053051_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053052_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053052_C001 CS_OFFL_SIR_NOPM_2_20230531T055337_20230531T053052_C001 CS_OFFL_SIR_NOPM_2_20230531T055337_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T055337_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T05505131_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T060500_20230531T063850_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T0655539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T0655539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T0655539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T0655539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T0655539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T0655539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T0655539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T0655539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T0655539_C001 CS_OFFL_SI	CS_OFFL_SIR_NOPM_2_20230531T043231_20230531T050008_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
and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags has the CS_OFFL_SIR_NOPM_2_20230531T052912_20230531T053051_CO01 CS_OFFL_SIR_NOPM_2_20230531T053324_20230531T053034_CO01 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053334_CO01 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053334_CO01 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053334_CO01 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053925_CO01 CS_OFFL_SIR_NOPM_2_20230531T055337_20230531T053925_CO01 CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_CO01 CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_CO01 CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_CO01 CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_CO01 CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_CO01 CS_OFFL_SIR_NOPM_2_20230531T065050_20230531T063850_CO01 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_CO01 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_CO01 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_CO01 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_CO01 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_CO01 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_CO01 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_CO01 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_CO01 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_CO01 CCCCA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have for one or more records CCCCA Altimeter Range Altimeter Range and Backscatter Quality Flags have for one or more records CCCCA Altimeter Range Quality, OCOG Altimeter Range Altimeter Range and Backscatter Quality Flags have for one or more records CCCCA Altimeter Range Altimeter Range and Backscatter Quality Flags have for one or more records CCCCA Altimeter Range Altimeter Range Altimeter Range and Backscatter Quality Flags have for one or more records CCCCA Altimeter Range Altimeter	CS_OFFL_SIR_NOPM_2_20230531T050633_20230531T051223_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Backscatter Quality CS_OFFL_SIR_NOPM_2_20230531T053324_20230531T053334_C001 Backscatter Quality CS_OFFL_SIR_NOPM_2_20230531T053324_20230531T053334_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053925_C001 CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053925_C001 CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T0655131_20230531T063850_C001 CS_OFFL_SIR_NOPM_2_20230531T060500_20230531T063850_C001 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_	CS_OFFL_SIR_NOPM_2_20230531T051404_20230531T052908_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
Backscatter Quality CS_OFFL_SIR_NOPM_2_20230531T053324_20230531T053925_C001 Backscatter Quality CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053925_C001 CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T060500_20230531T063850_C001 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_S	CS_OFFL_SIR_NOPM_2_20230531T052912_20230531T053051_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T0655131_20230531T055222_C001 CS_OFFL_SIR_NOPM_2_20230531T060500_20230531T063850_C001 CS_OFFL_SIR_NOPM_2_20230531T060500_20230531T063850_C001 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T0665347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T0665347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T0665347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C	CS_OFFL_SIR_NOPM_2_20230531T053324_20230531T053334_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records CS_OFFL_SIR_NOPM_2_20230531T060500_20230531T063850_C001 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_C001 CS_OFFL_SIR_NOPM_2_20230531T0665347_20230531T065539_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality CCG_Altimeter Range Quality, OCOG Backscatter Quality CCG_Altimeter Range Quality, OCOG Backscatter Quality CCG_Altimeter Range and Backscatter Quality CCG_Altimeter Range Range Quality, OCOG Backscatter Quality CCG_Altimeter Range Ra	CS_OFFL_SIR_NOPM_2_20230531T053337_20230531T053925_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_20230531T060500_20230531T063850_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have for one or more records CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001	CS_OFFL_SIR_NOPM_2_20230531T055131_20230531T055222_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
Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 Backscatter Quality for one or more records Cs_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_C001 Cs_OFFL_SIR_NOPM_2_20230531T065539_C001 Cs_OFFL_SIR_NOPM_2_20230531T065539_C001 Cs_OFFL_SIR_NOPM_2_20230531T065539_C001 Cs_OFFL_S	CS_OFFL_SIR_NOPM_2_20230531T060500_20230531T063850_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_20230531T065347_20230531T065539_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records	CS_OFFL_SIR_NOPM_2_20230531T064540_20230531T065054_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	CS_OFFL_SIR_NOPM_2_20230531T065347_20230531T065539_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_20230531T070741_20230531T070923_C001		The Ocean Altimeter Range, SSHA, SWH 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_20230531T070940_20230531T071648_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records	CS_OFFL_SIR_NOPM_2_20230531T070940_20230531T071648_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	CS_OFFL_SIR_NOPM_2_20230531T072812_20230531T073158_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_20230531T074505_20230531T081759_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_20230531T082549_20230531T082958_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_20230531T083321_20230531T084506_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_20230531T084653_20230531T085411_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_20230531T085507_20230531T085913_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_20230531T092514_20230531T092915_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_20230531T093054_20230531T095714_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_20230531T095913_20230531T100441_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_20230531T101544_20230531T102814_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_20230531T102840_20230531T104550_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_20230531T110728_20230531T111907_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_20230531T112110_20230531T113611_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_20230531T113841_20230531T114339_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_20230531T114418_20230531T114540_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_20230531T115247_20230531T120050_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_20230531T120941_20230531T122146_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_20230531T123902_20230531T124852_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_20230531T130035_20230531T131523_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_20230531T131802_20230531T132253_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_20230531T132951_20230531T135227_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_20230531T135307_20230531T140329_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_20230531T142624_20230531T142716_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_20230531T143059_20230531T145147_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_20230531T145234_20230531T145426_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_20230531T145837_20230531T150209_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_20230531T150231_20230531T150559_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_20230531T150857_20230531T153530_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_20230531T160920_20230531T163438_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_20230531T163625_20230531T164124_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_20230531T164841_20230531T172301_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_20230531T173613_20230531T173639_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_20230531T180813_20230531T180935_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_20230531T181135_20230531T181330_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_20230531T181624_20230531T182156_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_20230531T182815_20230531T190144_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_20230531T191455_20230531T191616_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_20230531T193420_20230531T195229_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_20230531T195545_20230531T200053_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_20230531T200701_20230531T204058_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_20230531T210533_20230531T211010_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_20230531T211049_20230531T212828_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_20230531T214712_20230531T220045_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_20230531T220206_20230531T221713_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_20230531T223613_20230531T225335_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_20230531T225516_20230531T230925_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_20230531T231706_20230531T231909_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_20230531T232609_20230531T234046_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_20230531T234329_20230531T235253_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_20230531T095752_20230531T095913_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_20230531T175323_20230531T175502_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_20230531T191616_20230531T191738_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_20230531T003123_20230531T003303_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_20230531T003805_20230531T004012_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_20230531T022955_20230531T023118_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_20230531T085913_20230531T090619_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_20230531T110254_20230531T110431_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_20230531T131523_20230531T131546_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20230531T010356_20230531T010625_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_20230531T010832_20230531T010954_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_20230531T014325_20230531T014501_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_20230531T023959_20230531T024445_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_20230531T024543_20230531T024704_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_20230531T041405_20230531T041539_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_20230531T051223_20230531T051348_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_20230531T054824_20230531T054948_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_20230531T055309_20230531T055406_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_20230531T060155_20230531T060257_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_20230531T060342_20230531T060500_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_20230531T073258_20230531T073347_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_20230531T081953_20230531T082414_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_20230531T082958_20230531T083118_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_20230531T090926_20230531T091133_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_20230531T095752_20230531T095913_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_20230531T113659_20230531T113841_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_20230531T114540_20230531T114927_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_20230531T122600_20230531T122854_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

Bit Section Code First Section Code Secti		Ocean Altimeter Range, SSHA, SWH	The Ocean Altimates Pages COUA CMU and Pages and Coults Flore
Section Column	CS_OFFL_SIR_NOPN_2_20230531T122936_20230531T123147_C001	Altimeter Range and Backscatter Quality PLRM	
Dec	CS_OFFL_SIR_NOPN_2_20230531T123722_20230531T123900_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DOOR Selected Castry Corp. PRIL SIR NOPN 2 2000001110905 20000001110905 2000001110905 2000001110905 2000001110905 2000001110905 2000001110905 2000001110905 2000001110905 2000001110905 2000001110905 2000001110905 2000001110905 2000001110905 2000001110905 20000001110905 20000001110905 20000001110905 2000001110905 2000001110905 2000001110905 2000001110905 2000001110905 2000001110	CS_OFFL_SIR_NOPN_2_20230531T132442_20230531T132908_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
So OFFL SR NOPN 2 2020001119201 2020001119201 CO OFFL SR NOPN 2 2020001119201	CS_OFFL_SIR_NOPN_2_20230531T140619_20230531T141011_C001		
CR_OPPL_SRI_NORN_2_2020651116466_2020351116467_0001 CR_OPPL_SRI_NORN_2_2020651116466_2020351116467_0001 CR_OPPL_SRI_NORN_2_2020651116469_2020351116467_0001 CR_OPPL_SRI_NORN_2_2020651116469_2020351116467_0001 CR_OPPL_SRI_NORN_2_20206511176467_0020351116467_0001 CR_OPPL_SRI_NORN_2_2020651117656_20203511176457_0001 CR_OPPL_SRI_NORN_2_2020651117656_2020351117662_20001 CR_OPPL_SRI_NORN_2_2020651117656_2020351117666_20001 CR_OPPL_SRI_NORN_2_2020651117656_2000351117666_20001 CR_OPPL_SRI_NORN_2_2020651117666_2000351117666_20001 CR_OPPL_SRI_NORN_2_2020651117666_2000351117666_20001 CR_OPPL_SRI_NORN_2_2020651117666_2000351117666_20001 CR_OPPL_SRI_NORN_2_2020651117666_2000351117666_20001 CR_OPPL_SRI_NORN_2_2020651117666_2000351117666_20001 CR_OPPL_SRI_NORN_2_2020651117666_2000351117666_20001 CR_OPPL_SRI_NORN_2_2020651117666_2000351117666_20001 CR_OPPL_SRI_NORN_2_2020651117666_2000351117666_20001 CR_OPPL_SRI_NORN_2_2020651117666_2000351117666_2	CS_OFFL_SIR_NOPN_2_20230531T145604_20230531T145837_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OSC GRADEN NOPN 2 20005511710018 (20005511710405 C001) OSC GRADEN NOPN 2 2000551171201 (20005511710405 C001) OSC GRADEN NOPN 2 20005511712000 (20005511710405 C001) OSC GRADEN NOPN 2 20005511710405 (20005511710405 C0	CS_OFFL_SIR_NOPN_2_20230531T150559_20230531T150742_C001		
So, OFFL SIR, NOPN 2. 202055117(2011.202055117)2611.0001 COS OFFL SIR, NOPN 2. 202055117(2011.202055117)2612.0001 COS OFFL SIR, NOPN 2. 202055117(2011.202055117)2612.00001 COS OFFL SIR, NOPN 2. 202055117(2011.202055117)2612.00001 COS OFFL SIR, NOPN 2. 202055117(2010.202055117)2612.00001 COS OFFL SIR, NOPN 2. 202055117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010.202055117)2612.00005117(2010	CS_OFFL_SIR_NOPN_2_20230531T163456_20230531T163625_C001		
CS_OFFL_SIR_NOPN_2_2020501172016_0220501172010_0001 CS_OFFL_SIR_NOPN_2_2020501172016_0220501172010_0001 CS_OFFL_SIR_NOPN_2_2020501173016_0220501172010_0001 CS_OFFL_SIR_NOPN_2_20205017172016_02001 CS_OFFL_SIR_NOPN_2_20205017172016_0200501719010_0001 CS_OFFL_SIR_NOPN_2_2020501719010_0001 CS_OFFL_SIR_NOPN_2_2020501719010_0001 CS_OFFL_SIR_NOPN_2_20205017190201_00001 CS_OFFL_SIR_NOPN_2_20205017190200_000001 CS_OFFL_SIR_NOPN_2_20205017190200_000001 CS_OFFL_SIR_NOPN_2_20205017190200_000001 CS_OFFL_SIR_NOPN_2_20205017190200_0000001 CS_OFFL_SIR_NOPN_2_2020501719000000000000000000000000000000000	CS_OFFL_SIR_NOPN_2_20230531T164459_20230531T164637_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscater Caulity P.R.M. COCG Allmeter Range and Backscater Caulity Plags have been set for one or more records CS_OFFL_SIR_NOPN_2_20200531T172015_20200531T192016_C001 CS_OFFL_SIR_NOPN_2_20200531T192016_20200531T192016_C001 CS_OFFL_SIR_NOPN_2_20200531T192016_20200531T192016_C001 CS_OFFL_SIR_NOPN_2_20200531T192016_20200531T192016_C001 CS_OFFL_SIR_NOPN_2_20200531T192016_20200531T192016_C001 CS_OFFL_SIR_NOPN_2_20200531T192016_20200531T192016_C001 CS_OFFL_SIR_NOPN_2_20200531T192016_20200531T192016_C001 CS_OFFL_SIR_NOPN_2_20200531T192016_20200531T192016_C001 CS_OFFL_SIR_NOPN_2_20200531T192016_20200531T19200407_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T19200407_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T19200407_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T19200407_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T19200407_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T19200407_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T19200407_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T19200407_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T193000_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T19300_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T193000_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T193000_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T193000_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T193000_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T193000_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T192006_20200531T193000_C001 CS_OFFL_SIR_NOPN_2_20200531T192006_20200531T192006_20200531T192006_20200531T192005_20200531T192006_20200531T192006_20200531T192006_20200531T192005_20200531T192006_20200531T192006_20200531T192006_20200531T192005_20200531T19205	CS_OFFL_SIR_NOPN_2_20230531T172301_20230531T172421_C001		
OCOS Backscatter Quality PLIM. OCOS CARREST Flags. SSMA. SWM and Backscatter Quality Flags have been set for one or more records The OCOS Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_20230531T192045_20230531T19240_O01 CS_OFFL_SIR_NOPN_2_20230531T192045_20230531T19240_O01 CS_OFFL_SIR_NOPN_2_20230531T192045_20230531T19240_O01 CS_OFFL_SIR_NOPN_2_20230531T192045_20230531T19240_O01 CS_OFFL_SIR_NOPN_2_20230531T192045_20230531T19240_O01 CS_OFFL_SIR_NOPN_2_20230531T192045_20230531T19240_O01 CS_OFFL_SIR_NOPN_2_20230531T19205_20230531T19240_O01 CS_OFFL_SIR_NOPN_2_20230531T19205_20230531T19240_O01 CS_OFFL_SIR_NOPN_2_20230531T19205_20230531T19240_O01 CS_OFFL_SIR_NOPN_2_20230531T19205_20230531T19240_O01 CS_OFFL_SIR_NOPN_2_20230531T2005_20230531T20407_O01 CS_OFFL_SIR_NOPN_2_20230531T2005_20230531T20407_O01 CS_OFFL_SIR_NOPN_2_20230531T2005_20230531T20407_O01 CS_OFFL_SIR_NOPN_2_20230531T2055_20230531T20407_O01 CS_OFFL_SIR_NOPN_2_20230531T2055_20230531T20407_O01 CS_OFFL_SIR_NOPN_2_20230531T2055_20230531T20407_O01 CS_OFFL_SIR_NOPN_2_20230531T2055_20230531T20407_O01 CS_OFFL_SIR_NOPN_2_20230531T2055_20230531T2055_20005_10005_20005_20005_20005_10005_20005_20005_10005_20005_20005_10005_20005_20005_10005_2000	CS_OFFL_SIR_NOPN_2_20230531T172505_20230531T172613_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Caulity PLPM. OCDO. Series IR NOPN 2_20230531T192156_20230531T192141_COURT PLANS COORD. Alternater Range and Backscatter Caulity Plags and beneficially Plags and benef	CS_OFFL_SIR_NOPN_2_20230531T174917_20230531T175023_C001		
CS_OFFL_SIR_NOPN_2_20230531T192311_20230531T192010_0001 CS_OFFL_SIR_NOPN_2_20230531T192215_20230531T192010_0001 CS_OFFL_SIR_NOPN_2_20230531T192215_20230531T192007_0001 CS_OFFL_SIR_NOPN_2_20230531T192215_20230531T192007_0001 CS_OFFL_SIR_NOPN_2_20230531T192215_20230531T192007_0001 CS_OFFL_SIR_NOPN_2_20230531T192215_20230531T192007_0001 CS_OFFL_SIR_NOPN_2_20230531T192215_20230531T192007_0001 CS_OFFL_SIR_NOPN_2_20230531T192205_20230531T192007_0001 CS_OFFL_SIR_NOPN_2_20230531T192205_20230531T192007_0001 CS_OFFL_SIR_NOPN_2_20230531T20055_20230531T200407_0001 CS_OFFL_SIR_NOPN_2_20230531T20055_20230531T200507_0001 CS_OFFL_SIR_NOPN_2_20230531T20305_20230531T200507_0001 CS_OFFL_SIR_NOPN_2_20230531T23527_20230531T23502_0001 CS_OFFL_SIR_NOPN_2_20230531T23527_20230531T23502_0001 CS_OFFL_SIR_NOPN_2_20230531T23527_20230531T23502_0001 CS_OFFL_SIR_NOPN_2_20230531T23523_20230531T23552_0001 CS_OFFL_SIR_NOPN_2_20230531T23523_20230531T23552_0001 CS_OFFL_SIR_NOPN_2_20230531T23553_20230531T23552_0001 CS_OFFL_SIR_NOPN_2_20230531T23553_20230531T23552_0001 CS_OFFL_SIR_NOPN_2_20230531T23553_20230531T005551_0001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T005551_0001 CS_OFFL_SIR_	CS_OFFL_SIR_NOPN_2_20230531T182156_20230531T182514_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality OCOG Backscat	CS_OFFL_SIR_NOPN_2_20230531T191311_20230531T191401_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_20230531T193220_20230531T193420_C001 CS_OFFL_SIR_NOPN_2_20230531T200053_20230531T200407_C001 CS_OFFL_SIR_NOPN_2_20230531T200053_20230531T200407_C001 CS_OFFL_SIR_NOPN_2_20230531T213527_20230531T213802_C001 CS_OFFL_SIR_NOPN_2_20230531T213527_20230531T213802_C001 CS_OFFL_SIR_NOPN_2_20230531T213527_20230531T213802_C001 CS_OFFL_SIR_NOPN_2_20230531T213958_20230531T214535_C001 CS_OFFL_SIR_NOPN_2_20230531T22339_20230531T225251_C001 CS_OFFL_SIR_NOPN_2_20230531T22339_20230531T2223445_C001 CS_OFFL_SIR_NOPN_2_20230531T223049_20230531T223445_C001 CS_OFFL_SIR_NOPN_2_20230531T223049_20230531T235529_C001 CS_OFFL_SIR_NOPN_2_20230531T2004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T00555_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T00555_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T00555_20230531T00555_C001 CS_OFFL_SIR_NOPR_2_20230531T00555_C001 CS_OFFL_SIR	CS_OFFL_SIR_NOPN_2_20230531T192048_20230531T192111_C001		
OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_20230531T200053_20230531T200407_C001 CS_OFFL_SIR_NOPN_2_20230531T200053_20230531T200407_C001 CS_OFFL_SIR_NOPN_2_20230531T213527_20230531T213802_C001 CS_OFFL_SIR_NOPN_2_20230531T213527_20230531T213802_C001 CS_OFFL_SIR_NOPN_2_20230531T213527_20230531T213802_C001 CS_OFFL_SIR_NOPN_2_20230531T213528_20230531T214535_C001 CS_OFFL_SIR_NOPN_2_20230531T223339_20230531T222521_C001 CS_OFFL_SIR_NOPN_2_20230531T223339_20230531T222521_C001 CS_OFFL_SIR_NOPN_2_20230531T223339_20230531T222521_C001 CS_OFFL_SIR_NOPN_2_20230531T223349_20230531T2225445_C001 CS_OFFL_SIR_NOPN_2_20230531T223049_20230531T223445_C001 CS_OFFL_SIR_NOPN_2_20230531T223049_20230531T235529_C001 CS_OFFL_SIR_NOPN_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T005552_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230	CS_OFFL_SIR_NOPN_2_20230531T192215_20230531T192301_C001		
and Backscatter Quality PLRM, COG Altimeter Range and Backscatter Quality PLRM, COG Altimeter Range and Backscatter Quality PLRM, COG CS_OFFL_SIR_NOPN_2_20230531T213527_20230531T213802_C001 CS_OFFL_SIR_NOPN_2_20230531T213527_20230531T214535_C001 CS_OFFL_SIR_NOPN_2_20230531T22339_20230531T22521_C001 CS_OFFL_SIR_NOPN_2_20230531T22339_20230531T22521_C001 CS_OFFL_SIR_NOPN_2_20230531T22339_20230531T223445_C001 CS_OFFL_SIR_NOPN_2_20230531T22339_20230531T223445_C001 CS_OFFL_SIR_NOPN_2_20230531T2235253_20230531T223445_C001 CS_OFFL_SIR_NOPN_2_20230531T04304_20230531T04845_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T004856_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T004856_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T004856_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T004856_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_202	CS_OFFL_SIR_NOPN_2_20230531T193220_20230531T193420_C001		
CS_OFFL_SIR_NOPN_2_20230531T213958_20230531T214535_C001 CS_OFFL_SIR_NOPN_2_20230531T222339_20230531T22521_C001 CS_OFFL_SIR_NOPN_2_20230531T222339_20230531T222521_C001 CS_OFFL_SIR_NOPN_2_20230531T222339_20230531T222521_C001 CS_OFFL_SIR_NOPN_2_20230531T22339_20230531T222521_C001 CS_OFFL_SIR_NOPN_2_20230531T223049_20230531T2223445_C001 CS_OFFL_SIR_NOPN_2_20230531T223049_20230531T223445_C001 CS_OFFL_SIR_NOPN_2_20230531T235253_20230531T223445_C001 CS_OFFL_SIR_NOPN_2_20230531T235253_20230531T235529_C001 CS_OFFL_SIR_NOPN_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T005551_	CS_OFFL_SIR_NOPN_2_20230531T200053_20230531T200407_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_20230531T22339_20230531T22521_C001 CS_OFFL_SIR_NOPN_2_20230531T222339_20230531T22521_C001 CS_OFFL_SIR_NOPN_2_20230531T222339_20230531T22521_C001 CS_OFFL_SIR_NOPN_2_20230531T223049_20230531T223445_C001 CS_OFFL_SIR_NOPN_2_20230531T235253_20230531T23529_C001 CS_OFFL_SIR_NOPN_2_20230531T235253_20230531T235529_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T010555_20230531T010356_C001 CS_OFFL_SIR_NOPR_2_20230531T010555_20230531T0105551_C001 CS_OFFL_SIR_NOPR_2_20230531T010555_20230531T0105551_C001 CS_OFFL_SIR_NOPR_2_20230531T010555_20230531T0105551_C0	CS_OFFL_SIR_NOPN_2_20230531T213527_20230531T213802_C001		
CS_OFFL_SIR_NOPN_2_20230531T222339_20230531T222521_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_20230531T2235253_20230531T223529_C001 CS_OFFL_SIR_NOPN_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T005551_C001 CS_OFFL_SIR_NOPR_2_20230531T005552_20230531T010356_C001 CS_OFFL_SIR_NOPR_2_20230531T010555_20230531T010356_C001 CS_OFFL_SIR_NOPR_2_20230531T010255_20230531T010356_C001 CS_OFFL_SIR_NOPR_2_20230531T010255_20230531T014325_C001 CS_OFFL_SIR_NOPR_2_20230531T014205_20230531T014325_C001 CS_OFFL_SIR	CS_OFFL_SIR_NOPN_2_20230531T213958_20230531T214535_C001		
CS_OFFL_SIR_NOPN_2_20230531T235253_20230531T23529_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPN_2_20230531T222339_20230531T222521_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_20230531T004814_20230531T004845_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM Ocog Altimeter Range and Backscatter Quality PLRM, Ocog Altimeter Range and Backscatt	CS_OFFL_SIR_NOPN_2_20230531T223049_20230531T223445_C001		
OCOG Backscatter Quality DOCOG Backscatter Quality	CS_OFFL_SIR_NOPN_2_20230531T235253_20230531T235529_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_NOPR_2_20230531T004814_20230531T004845_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altime	CS_OFFL_SIR_NOPR_2_20230531T005444_20230531T005551_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_NOPR_2_20230531T010255_20230531T010356_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_20230531T014205_20230531T014325_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
CS_OFFL_SIR_NOPR_2_20230531T021954_20230531T022029_C001	OCOG Backscatter Quality	more records
CS_OFFL_SIR_NOPR_2_20230531T022955_20230531T023118_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_20230531T023623_20230531T023959_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_20230531T032055_20230531T032302_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_20230531T041037_20230531T041405_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_20230531T041949_20230531T042031_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_20230531T054948_20230531T055032_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_20230531T055222_20230531T055308_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_20230531T055406_20230531T060155_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_20230531T060257_20230531T060342_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_20230531T063850_20230531T064226_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_20230531T070653_20230531T070741_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_20230531T072531_20230531T072812_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_20230531T073347_20230531T074505_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_20230531T083118_20230531T083321_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_20230531T091336_20230531T092128_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_20230531T092220_20230531T092318_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_20230531T100921_20230531T101544_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_20230531T104550_20230531T104602_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_20230531T105240_20230531T105812_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_20230531T105901_20230531T105959_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_20230531T110254_20230531T110431_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_20230531T114927_20230531T115109_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_20230531T120621_20230531T120941_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_20230531T123147_20230531T123722_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_20230531T125221_20230531T130035_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_20230531T141138_20230531T141523_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_20230531T145426_20230531T145604_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_20230531T150742_20230531T150857_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_20230531T154756_20230531T155529_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_20230531T164637_20230531T164841_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_20230531T172421_20230531T172505_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_20230531T172613_20230531T173307_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_20230531T173639_20230531T173910_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_20230531T174255_20230531T174452_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_20230531T175518_20230531T175852_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_20230531T181330_20230531T181507_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_20230531T182514_20230531T182815_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_20230531T191757_20230531T192044_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_20230531T200407_20230531T200701_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_20230531T212828_20230531T213527_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_20230531T221713_20230531T221742_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_20230531T221744_20230531T221757_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_20230531T225335_20230531T225516_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_20230531T230925_20230531T231314_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

> 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.

149

Number of products with errors: 57

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	159	44	0	44	0
SIR_NOPR1B	124	33	0	33	0
SIR_NOPN1B	103	33	0	33	0
SIR_NOPM_2	159	44	27	17	0
SIR_NOPR_2	124	31	13	18	0
SIR_NOPN_2	103	27	11	16	0

7.1 QCC Errors

Number of QCC reports with errors:

(

7.2 QCC Warnings

Number of QCC reports with warnings

475

Total number	٥f	occurrences of each	warning
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	Total number of occurrences of each warning						
Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
SIR_NOPM1B	44	0	0	0	0	0	0
SIR_NOPM_2	0	12	13	0	11	0	9
SIR_NOPN1B	33	0	0	0	0	0	0
SIR_NOPN_2	0	2	8	1	7	8	5
SIR_NOPR1B	32	0	0	0	0	0	0
SIR NOPR 2	0	10	8	0	4	4	2

Product Type	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNO	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	12	0	0	0	0	9	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	7	0	8	0	0
SIR_NOPR1B	0	0	0	0	0	0	0
SIR NOPR 2	0	11	0	13	0	0	10

Product Type	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	0	2	7	0	0	12	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	8	8	12	15	10	8	8
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	0	1	15	8	3	7	10

Product Type	RSWHOEPNCDF	SCSTODHRNCDF	SCSTODNCDF	-	-	-	-
SIR_NOPM1B	0	0	0				
SIR_NOPM_2	0	0	0				
SIR_NOPN1B	0	15	1				
SIR_NOPN_2	5	0	0				
SIR_NOPR1B	0	33	3				
SIR_NOPR_2	1	0	0				

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