

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

<u>14/02/2023</u>

# IDEAS-QA4E0

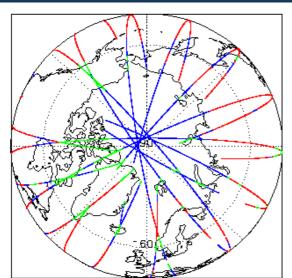
Report Production:	15-Feb-2023	Check	L1 & L2
heport Production:		Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSal Ocean Processor	Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP)	Product Format Check	Nominal
Data Used:	L1B & L2 Science Data	Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
We would	love to hear from you!	Auxiliary Correction Error Check	See Section 5.4
	your feedback about these daily	Measurement Confidence Data Check	See Section 4.5, 4.6
quality reports: Wha	t do you like/ dislike? What quality	Measurement Quality Flag Check	See Section 5.6
information do yo	u need? Send your feedback to	Ocean Retracking Quality Check	See Section 5.7
cs2_qc_	team@telespazio.com	QCC Error/ Warning Check	See Section 7.1 and 7.2
		·	
lission / Instrument N	ews		
13-Feb-2023 None			

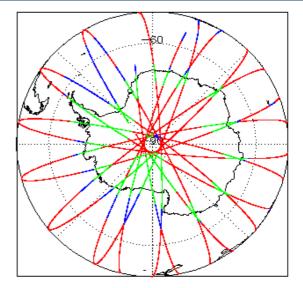
1. Overview

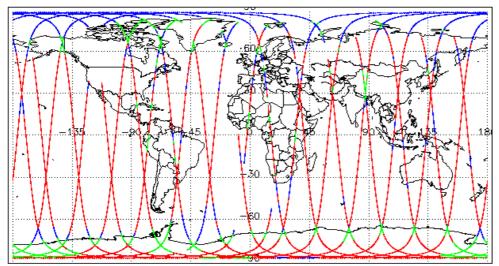
14-Feb-2023 None

15-Feb-2023 Nothing planned

# 2. Global Coverage







Mode Coverage
LRM
SAR
SAR

# 3. Instrument Configuration

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

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

4. NOP Level 1B Data Quality Check

#### 4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and	SPH in order to identify any in	consistencies and/or errors raised by the ground-segment processing chain.		
	IB 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: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre	-determined baseline and also	to check the validity of Auxiliary Data Files is correct.		
> Dynamic Atmospheric Correction: The DAC is missing in all products beca				
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement record	The bit value of this flag india	rates any problems when set		
Number of products with errors: 0	. The bit value of this hay mult	ates any problems when set.		
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurem	ent record. The bit value of this	s flag indicates any problems when set.		
<b>č</b> č , , , , , , , , , , , , , , , , , ,	ducts due to a configuration iss	sue. 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: 0				
4.6.1.1. Wayafarm Group Data Chack				
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record.	-	ates any problems when set.		
> Loss of Echo Flag: This flag is currently set for occasional products over lan Number of products with another 14	ia, but this is to be expected.			
Number of products with errors: 14				
Product CS_OFFL_SIR_NOPM1B_20230214T015619_20230214T020242_C001	Test Failed Loss of Echo	Description The tracking code is missing for one or more records		
CS_OFFL_SIR_NOPM1B_202302141015619_202302141020242_0001 CS_OFFL_SIR_NOPM1B_20230214T104201_20230214T104214_0001	Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPM1B_20230214T104935_20230214T105018_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20230214T042505_20230214T042713_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20230214T050038_20230214T050634_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20230214T091111_20230214T091208_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20230214T101136_20230214T101303_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20230214T122617_20230214T122744_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20230214T140924_20230214T140952_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20230214T172446_20230214T172747_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20230214T172846_20230214T173033_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20230214T023005_20230214T023138_C001 CS_OFFL_SIR_NOPR1B_20230214T032147_20230214T032511_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20230214T140747_20230214T140924_C001	Loss of Echo	The tracking echo is missing for one or more records		
	I			
5. NC	P Level 2 Data Qu	uality Check		
5.1 L2 Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to e	nsure it consists of both an XM	IL header file (.HDR) and a NetCDF product file (.nc).		
Number of products with errors: 0				
5 2 1 2 Product Hooder Apolysia				
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 in	consistencies 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				
	akad for the default array using	(22767)		
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 fro		s superior and to our note type. An our many and summarised in the list below,		
Correction and the U-Wind and V-Wind components of the ECMWF model wind	d vector. This is a known anom			
> Mean Sea Surface: The error value is currently set for products over land an	•			
> Mean Dynamic Topography: The error value is currently set for products ov				
> Altimetric Wind Speed Error: The error value is currently set for products or	ver land and sea ice, but this is	s to be expected.		
Number of products with errors: 45				

Test Failed Description

	Maan Dunamia Tanagraphy (1)	There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPM_2_20230214T104201_20230214T104214_C001	Mean Dynamic Topography (1)	more records
CS_OFFL_SIR_NOPM_2_20230214T160518_20230214T161852_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230214T000444_20230214T000610_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230214T001133_20230214T001441_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_20230214T014428_20230214T014622_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_20230214T015033_20230214T015402_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_20230214T032511_20230214T032655_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_20230214T042022_20230214T042142_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20230214T050038_20230214T050634_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_20230214T051350_20230214T051528_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230214T055948_20230214T060200_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20230214T060328_20230214T060551_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230214T065259_20230214T065457_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_20230214T073902_20230214T074352_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_20230214T100317_20230214T100542_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_20230214T114138_20230214T114450_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_20230214T131945_20230214T132336_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_20230214T132907_20230214T133032_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_20230214T150705_20230214T150847_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_20230214T154532_20230214T154708_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230214T155048_20230214T155144_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_20230214T164455_20230214T164710_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_20230214T172446_20230214T172747_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230214T172846_20230214T173033_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20230214T173033_20230214T173100_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_20230214T181513_20230214T181702_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230214T182349_20230214T182836_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_20230214T190528_20230214T190924_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_20230214T200502_20230214T200654_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_20230214T091409_20230214T091928_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_20230214T104215_20230214T104417_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_20230214T105315_20230214T110111_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_20230214T122434_20230214T122617_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_20230214T123133_20230214T124047_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_20230214T141247_20230214T141811_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_20230214T155145_20230214T155726_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_20230214T155741_20230214T155904_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_20230214T172014_20230214T172204_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_20230214T173100_20230214T173747_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_20230214T190220_20230214T190451_C001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_NOPR_2_20230214T190925_20230214T191444_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_20230214T204743_20230214T205733_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_20230214T222515_20230214T222804_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_20230214T222804_20230214T223253_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_20230214T224304_20230214T224358_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

## 5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:
0

### 5.6 L2 Measurement Quality Flag Check

### L2 Quality Flags (20 Hz)

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

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

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

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

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## Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20230214T000118_20230214T000425_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_20230214T000611_20230214T001132_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_20230214T001704_20230214T003942_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_20230214T004228_20230214T005136_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_20230214T010408_20230214T010750_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_20230214T012347_20230214T012835_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_20230214T014622_20230214T015032_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_20230214T015619_20230214T020242_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_20230214T021047_20230214T022851_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_20230214T024818_20230214T025346_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_20230214T025516_20230214T031812_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_20230214T032746_20230214T032939_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_20230214T033614_20230214T034324_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_20230214T034331_20230214T035230_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_20230214T035844_20230214T040549_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_20230214T042143_20230214T042504_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_20230214T042717_20230214T043034_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_20230214T043055_20230214T043303_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_20230214T043430_20230214T044245_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_20230214T044904_20230214T050005_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_20230214T050634_20230214T050854_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_20230214T050929_20230214T051350_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_20230214T051529_20230214T052236_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_20230214T052353_20230214T053032_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_20230214T053415_20230214T054623_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_20230214T061346_20230214T061614_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_20230214T061736_20230214T062038_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_20230214T062211_20230214T062222_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_20230214T062546_20230214T064151_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_20230214T064424_20230214T065259_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_20230214T065516_20230214T071802_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_20230214T075707_20230214T082112_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_20230214T082336_20230214T082527_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_20230214T082624_20230214T083101_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_20230214T083341_20230214T083804_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_20230214T083926_20230214T090336_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_20230214T090442_20230214T090637_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_20230214T093249_20230214T100028_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_20230214T100542_20230214T101136_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_20230214T101304_20230214T103402_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_20230214T103504_20230214T103738_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_20230214T110414_20230214T113903_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_20230214T114450_20230214T115008_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_20230214T115148_20230214T115448_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_20230214T115647_20230214T115834_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_20230214T120812_20230214T120813_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_20230214T120816_20230214T120907_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_20230214T122324_20230214T122333_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_20230214T122744_20230214T123019_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_20230214T123121_20230214T123132_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_20230214T124419_20230214T125254_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_20230214T125540_20230214T131815_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_20230214T132500_20230214T132907_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_20230214T133032_20230214T134413_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_20230214T134601_20230214T134931_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_20230214T142334_20230214T145649_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_20230214T145840_20230214T150352_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_20230214T150358_20230214T150405_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_20230214T150412_20230214T150705_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_20230214T151453_20230214T154529_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_20230214T160026_20230214T160028_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

Description         Description         Description         Description         Description         Description           CI, PHL, BR, MORE, 2. 20029, VH16014,			
05, 0FT_0FT_0FU_DEVE_2820914T1801_2820914T1801_0000     and the code and the set of the code and the code and the set of the code and the code	CS_OFFL_SIR_NOPM_2_20230214T160518_20230214T161852_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Bit Diff. Str. USA. USA DISAN IN LAND.         Rescant C Auty         Inter or more exclusion           CS_OFFL_SFL_NOW_2_X6300+1714465_000         DCO Althrest Raps Out_NO.         The COOA Althrest Raps Stre X0 Here and Backatter Dusty Raps new bord set backated Dusty. Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X0 Here and Backatter Dusty Raps New York Cook Althrest Raps Stre X	CS_OFFL_SIR_NOPM_2_20230214T162016_20230214T163604_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CLOUTEDRUCHULAUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	CS_OFFL_SIR_NOPM_2_20230214T163747_20230214T164251_C001		
Ci: OFFL SIR NOPM 2 20220141178221 20220141178210 C001 Ci: Sint NOPM 2 2022014178211 C001 Ci: Sint NOPM 2 2022014178212 C001 Ci: Sint NOPM 2 2022014178220 C0014718220 Ci: Sint NOPM 2 2022014178220 C0014718220 C001 Ci: Sint NOPM 2 2022014178220 C0014718220 C001 Ci: Sint NOPM 2 2022014178220 C0014718220 C001 Ci: Sint NOPM 2 2022014178220 C001 Ci: Sint NOPM 2 2022014	CS_OFFL_SIR_NOPM_2_20230214T164330_20230214T164455_C001		
<ul> <li>CR, OFH, SR, NOFW, 2, 20220141174080, 20220141172014, 2001</li> <li>CR, OFH, SR, NOFW, 2, 20220141714087, 20220141172014, 2001</li> <li>CR, OFH, SR, NOFW, 2, 20220141714087, 2022014172014, 2001</li> <li>CR, OFH, SR, NOFW, 2, 20220141714087, 2022014171508, 2001</li> <li>CR, OFH, SR, NOFW, 2, 20220141716087, 2022014171508, 2001</li> <li>CR, OFH, SR, NOFW, 2, 20220141716087, 20220141716087, 20220141716084, 2001</li> <li>CR, OFH, SR, NOFW, 2, 20220141716087, 20220141716082, 2001</li> <li>CR, OFH, SR, NOFW, 2, 20220141716087, 20220141716087, 2001</li> <li>CR, OFH, SR, NOFW, 2, 20220141716087, 20220141716082, 2001</li> <li>CR, OFH, SR, NOFW, 2, 20220141716087, 20220141716082, 20020147160827, 2001</li> <li>CR, OFH, SR, NOFW, 2, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 20220141716082, 2</li></ul>	CS_OFFL_SIR_NOPM_2_20230214T165221_20230214T170230_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Correl Sim, Norw 2 2020011117809, 202021117809, 2020         Badesate Outly         Its are or more record           CS, OFR, SIM, NORW 2 202001117809, 202021117809, 2020         Correl Amore Rung, SSH, SWH, The Ocean Attracting Rung, SSH, SWH and Badesater Cushy Flags Text Badesate	CS_OFFL_SIR_NOPM_2_20230214T170850_20230214T172014_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SRUNDPM_2_200302141174765_20030214177459_0001         Init Backgrame Quality, COOD Allistenter Renge and Backsruther Quality Flags have been set for one more resolds.         Init Backgrame Quality, COOD Allistenter Renge and Backsruther Quality Flags have been set for one more resolds.           CB_OFFL_SRUNDPM_2_200302141177569_0001         Ocean Allistenter Renge SSH, SWH more Backgrame Quality, COOD Allistenter Renge and Backsruther Quality Flags.         The COOD Allistenter Range, SSH, SWH and Backsruther Quality Flags and Backgrame Quality, COOD Allistenter Renge and Backsruther Quality Flags.           CB_OFFL_SRUNDPM_2_200302141178270_0001         Ocean Allistenter Renge SSH, SWH and Backgrame Quality, COOD Allistenter Renge SSH, SWH and Backsruther Quality Flags have been set for one more resolds.           CB_OFFL_SRUNDPM_2_200302141178270_0001         OCOCA Allistenter Renge SSH, SWH Allistenter Renge SSH, SWH Allistenter Renge SSH, SWH and Backsruther Quality Flags have been set for one more resolds.           CB_OFFL_SRUNDPM_2_20030214118270_0001         OCOCA Allistenter Renge SSH, SWH and Backsruther Quality Flags have been set for one more resolds.           CB_OFFL_SRUNDPM_2_20030214118270_0001         OCEAN Allistenter Renge SSH, SWH and Backsruther Quality Flags have been set for one more resolds.           CB_OFFL_SRUNDPM_2_20030214118270_0001         OCEAN Allistenter Renge SSH, SWH and Backsruther Quality Flags have been set for one more resolds.           CB_OFFL_SRUNDPM_2_20030214118270_0001         OCEAN Allistenter Renge SSH, SWH and Backsruther Quality Flags have been set for tablescetter Quality.           CB_OFFL_SRUNDPM_2_20030214118270_0001 <td< td=""><td>CS_OFFL_SIR_NOPM_2_20230214T174147_20230214T174208_C001</td><td></td><td></td></td<>	CS_OFFL_SIR_NOPM_2_20230214T174147_20230214T174208_C001		
CB: OFFL_SIR_NOPM_2_202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173555       202302141173527       20230214117	CS_OFFL_SIR_NOPM_2_20230214T174705_20230214T175439_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SIR_NOPM_2_20230214T18017_20230214T181454_0011     and Backader Quality_COOD     and the OCOO Allmeter Range and Backader Quality Flags have been set to one on most ecods.       CB_OFFL_SIR_NOPM_2_20230214T182210_20230214T182280_0011     COCO Allmeter Range Quality_COOD     The OCOO Allmeter Range and Backader Quality Flags have been set to one on most ecods.       CB_OFFL_SIR_NOPM_2_20230214T182210_20230214T182280_0011     COCO Allmeter Range Quality_COOD     The OCOO Allmeter Range and Backader Quality Flags have been set to one on most ecods.       CB_OFFL_SIR_NOPM_2_20230214T182280_002014T182280_0011     Cocen Allmeter Range, SSHA, SWH and Backader Quality Flags have been set to one on most ecods.       CB_OFFL_SIR_NOPM_2_20230214T182280_0011     Cocen Allmeter Range, SSHA, SWH and Backader Quality Flags have been set to one on most ecods.       CB_OFFL_SIR_NOPM_2_20230214T182280_0011     Cocen Allmeter Range, SSHA, SWH and Backader Quality Flags have been set to one on most ecods.       CB_OFFL_SIR_NOPM_2_20230214T185281_02230214T185280_0011     Cocen Allmeter Range, SSHA, SWH and Backader Quality Flags have been set to one on one recods.       CB_OFFL_SIR_NOPM_2_20230214T18519_02230214T185281_00230_1011     Cocen Allmeter Range, SSHA, SWH and Backader Quality Flags have been set to one on one recods.       CB_OFFL_SIR_NOPM_2_20230214T18519_02302014T185291_0011     Cocen Allmeter Range and Backader Quality Flags have been set to one on one recods.       CB_OFFL_SIR_NOPM_2_20230214T18519_0230214T280591_0011     Cocen Allmeter Range and Backader Quality Flags have been set to one on one recods.       CB_OFFL_SIR_NOPM_2_20230214T280772_0230214T280591_001	CS_OFFL_SIR_NOPM_2_20230214T175556_20230214T175838_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OG_DFTL_SIR_NOPM_2_20230214T182210_0020241T18221_0001     Backscatter Quality     for one or more necods       CS_OFFL_SIR_NOPM_2_20230214T182210_0020241T18221_0001     DOG A Anterber Range Duality, OCG     The OCGN Alterber Range SHA, SWH       CS_OFFL_SIR_NOPM_2_20230214T182381_20230214T182282_0001     Ocean Alterber Range, SHA, SWH     The OCGN Alterber Range, SHA, SWH       CS_OFFL_SIR_NOPM_2_20230214T182381_20230214T18020_0001     Ocean Alterber Range, SHA, SWH     The OCGN Alterber Range, SHA, SWH       CS_OFFL_SIR_NOPM_2_20230214T180341_20230214T18020_0001     Ocean Alterber Range, SHA, SWH     The OCGN Alterber Range, SHA, SWH       CS_OFFL_SIR_NOPM_2_20230214T180341_20230214T18020_0001     Ocean Alterber Range, SHA, SWH     The OCGN Alterber Range, SHA, SWH       CS_OFFL_SIR_NOPM_2_20230214T180341_20230214T180400_0011     Ocean Alterber Range, SHA, SWH     The OCGN Alterber Range and Backscatter Cuality Flags have been set for door once necods       CS_OFFL_SIR_NOPM_2_20230214T180139_20230214T180120_0001     OCCG Alterber Range Cuality, OCCG     The OCGN Alterber Range Cuality, OCCG       CS_OFFL_SIR_NOPM_2_20230214T20192_20230214T200501_C001     OCCG Alterber Range Cuality, OCCG     The OCCG Alterber Range Cuality, OCCG       CS_OFFL_SIR_NOPM_2_20230214T200727_20230214T200521_C001     OCCG Alterber Range Cuality, OCCG     The OCCG Alterber Range Cuality, OCCG       CS_OFFL_SIR_NOPM_2_20230214T210720_20230214T210052_001     OCCG Alterber Range Cuality, OCCG     The OCCG Alterber Range and Backscatter Cuality Flags have been set for on or nor eccods <td< td=""><td>CS_OFFL_SIR_NOPM_2_20230214T180017_20230214T181454_C001</td><td>and Backscatter Quality, OCOG</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></td<>	CS_OFFL_SIR_NOPM_2_20230214T180017_20230214T181454_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Cold JPPEL SIR, NOPML 2, 202302147185236, 202302147185286, 202302147185486, 2023021471200727, 2023021471200727, 2023021471200727, 2023021471200727, 2023021471200727, 2023021471200727, 2023021471200727, 2023021471200727, 2023021471200727, 2023021471200727, 2023021471200727, 2023021471200727, 2023021471200727, 2023021471210720, 202302147121	CS_OFFL_SIR_NOPM_2_20230214T181702_20230214T182202_C001		
CS_OFFL_SIR_NOPM_2_20230214T18238_20230214T18528_20001       and Backscatter Quality COGG Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range Alimeter Range Alimeter Range Alimeter Range and Backscatter Quality Flags have been at the OCGA Alimeter Range	CS_OFFL_SIR_NOPM_2_20230214T182210_20230214T182221_C001		
CS_OFFL_SIR_NOPM_2_20230214T18541_20230214T18520_001       and Backscatter Quality Flags have been Attimeter Range and Backscatter Quality Flags have been Attimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T185449_0001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T185746_20230214T200120_0001       OCGA Attimeter Range Quality, OCOG attimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T200142_20230214T200120_0001       OCGA Attimeter Range Quality, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T200172_20230214T200120_0001       OCGA Attimeter Range Quality, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T210727_20230214T20352_0011       OCGA Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T21472072_0230214T214325_0001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T214720_0230214T214035_0001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T214042_20230214T214035_0001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T214720_20230214T21403	CS_OFFL_SIR_NOPM_2_20230214T182836_20230214T185228_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230214T193193_20230214T195449_0001       and Backscatter Quality, COCG Alimeter Range and Backscatter Quality, COCG Backscatter Quality, COCG       The OCOG Alimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T200142_20230214T200501_0001       OCOG Alimeter Range Quality, OCOG Backscatter Quality, COCG       The OCOG Alimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T200727_20230214T200501_0001       OCOG Alimeter Range, SSHA, SWH and Backscatter Quality, COCG Backscatter Quality, COCG       The OCOG Alimeter Range, and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T200727_20230214T205621_0001       Ocean Alimeter Range, SSHA, SWH and Backscatter Quality, COCG Alimeter Range and Backscatter Quality, Flags have been set for one or more cords         CS_OFFL_SIR_NOPM_2_20230214T210720_20230214T213357_0001       Ocean Alimeter Range Quality, OCOG Backscatter Quality, COCG Backscatter Quality, Flags have been set for one or more records	CS_OFFL_SIR_NOPM_2_20230214T185341_20230214T190220_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_00230214T200142_00230214T200501_C001         Backscatter Quality         for one or more records           GS_OFFL_SIR_NOPM_2_00230214T200142_00230214T200501_C001         QCOG Altimeter Range Quality, OCOG Backscatter Quality         The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality         The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_NOPM_2_0230214T200727_00230214T203621_C001         Altimeter Range, SSHA, SWH and Backscatter Quality         The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_NOPM_2_0230214T2143530_020230214T214035_C001         OCCG Altimeter Range Quality, OCCG Backscatter Quality         The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_NOPM_2_0230214T214712_0030214T22139_C001         OCCG Altimeter Range Quality, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and backscatter Quality Flags         The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_NOPM_2_0230214T214712_0320214T22139_C001         OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or mo	CS_OFFL_SIR_NOPM_2_20230214T193139_20230214T195449_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230214T200727_20230214T203621_C001       Backscatter Quality       for one or more records         CS_OFFL_SIR_NOPM_2_20230214T210720_20230214T210357_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T214042_20230214T214042_20230214T21401_C001       OCCG Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T214042_20230214T21401_C001       OCCG Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T214712_20230214T22149_C001       OCCG Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags Altimeter Range and Backscatter Quality Flags Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Fla	CS_OFFL_SIR_NOPM_2_20230214T195746_20230214T200120_C001		
CS_OFFL_SIR_NOPM_2_20230214T200727_20230214T203621_C001       and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality       and the OCCG Altimeter Range, and Backscatter Quality       set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T210720_20230214T213357_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The OCean Altimeter Range, and Backscatter Quality Flags have been attimeter Range and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20230214T213530_20230214T214035_C001       OCCG Altimeter Range Quality, OCCG Altimeter Range Quality, OCCG Backscatter Quality       The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T214042_20230214T214035_C001       OCCG Altimeter Range Quality, OCCG Backscatter Quality       The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T214042_20230214T214410_C001       OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality, CCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T224753_20230214T225427_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20230214T224753_20230214T225427_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20230214T224753_20230214T225427_C001       Ocean Altimeter Ran	CS_OFFL_SIR_NOPM_2_20230214T200142_20230214T200501_C001		
CS_OFFL_SIR_NOPM_2_20230214T210720_20230214T213357_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T213530_20230214T214035_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_20230214T214042_20230214T21400_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_20230214T214712_20230214T22139_C001       Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, and Backscatter Quality Flags and the OCOG Altimeter Range, and Backscatter Quality         CS_OFFL_SIR_NOPM_2_20230214T224753_20230214T225427_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, ASHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T224753_20230214T225427_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, ASHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T230720_20230214T231530_20230214T231545_C001	CS_OFFL_SIR_NOPM_2_20230214T200727_20230214T203621_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_202302141213330_20230214121400_C001       Backscatter Quality       for one or more records         CS_OFFL_SIR_NOPM_2_20230214T214042_20230214T214410_C001       OCOG Altimeter Range Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T214712_20230214T222139_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T224753_20230214T225427_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T224753_20230214T225427_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T230720_20230214T225427_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T230720_20230214T231345_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T231530_20230214T232109_C001       OCCG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T231530_20230214T232109_C001       OCCG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records <t< td=""><td>CS_OFFL_SIR_NOPM_2_20230214T210720_20230214T213357_C001</td><td>and Backscatter Quality, OCOG</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></t<>	CS_OFFL_SIR_NOPM_2_20230214T210720_20230214T213357_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_202302141214042_202302141214042_202302141214042_202302141214042_20230214121401_C001       Backscatter Quality       for one or more records         CS_OFFL_SIR_NOPM_2_20230214T214712_20230214T222139_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG         CS_OFFL_SIR_NOPM_2_20230214T231530_20230214T231530_20230214T232109_C001       OCGG Altimeter Range Quality, OCOG Backscatter Quality, OCOG       The OCCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T2325636_20230214T232109_C001       OCC0A Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T2325636_20230215T000021_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPM_2_20230214T213530_20230214T214035_C001		
CS_OFFL_SIR_NOPM_2_20230214T214712_20230214T222139_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T224753_20230214T225427_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T220720_20230214T231345_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T231720_20230214T231345_C001       Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T231530_20230214T232109_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_20230214T232636_20230214T232109_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20230214T214042_20230214T214410_C001		
CS_OFFL_SIR_NOPM_2_20230214T224753_20230214T225427_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality       set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T230720_20230214T231345_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T231530_20230214T231530_20230214T232109_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T232636_20230214T232109_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T232636_20230215T000021_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20230214T214712_20230214T222139_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230214T230720_20230214T231345_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPM_2_20230214T231530_20230214T232109_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_20230214T232636_20230214T232636_20230215T000021_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG       The OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags hand the OCOG Altimeter Range and Backscatter Quality Flags hand Backscatter Quality, OCOG	CS_OFFL_SIR_NOPM_2_20230214T224753_20230214T225427_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_202302141231530_202302141232109_C001       Backscatter Quality       for one or more records         CS_OFFL_SIR_NOPM_2_20230214T232636_20230215T000021_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20230214T230720_20230214T231345_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230214T232636_20230215T000021_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20230214T231530_20230214T232109_C001		
	CS_OFFL_SIR_NOPM_2_20230214T232636_20230215T000021_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPN_2_20230214T010301_20230214T010335_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_20230214T024656_20230214T024818_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_20230214T040903_20230214T040909_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_20230214T093054_20230214T093249_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_20230214T104215_20230214T104417_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_20230214T105126_20230214T105249_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_20230214T115123_20230214T115147_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_20230214T160420_20230214T160422_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_20230214T222515_20230214T222804_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_20230214T223318_20230214T223802_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

### L2 Quality Flags (20 Hz PLRM)

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

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

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

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#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20230214T000444_20230214T000610_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_20230214T010750_20230214T010857_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_20230214T012024_20230214T012347_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_20230214T032511_20230214T032655_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_20230214T032939_20230214T033247_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_20230214T050038_20230214T050634_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_20230214T055948_20230214T060200_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_20230214T060328_20230214T060551_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_20230214T065259_20230214T065457_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_20230214T071942_20230214T072303_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_20230214T073902_20230214T074352_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_20230214T082214_20230214T082336_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_20230214T082527_20230214T082624_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

De UPL Sin NOPL 2 2020014110002 (202014110022,000) DOOD Busiestein Quilty Tere mode C6, OFR, S81 NOPL 2 2020014114002, 2020014114002,000 DOOD Busiestein Quilty C6, OFR, S81 NOPL 2 2020014114002, 2020014114002,000 DOOD Busiestein Quilty C6, OFR, S81 NOPL 2 2020014114002, 2020014114002,000 DOOD Busiestein Quilty C6, OFR, S81 NOPL 2 2020014114002, 2020014114002,000 DOOD Busiestein Quilty C6, OFR, S81 NOPL 2 2020014114002, 2020014116014,000 DOOD Busiestein Quilty C6, OFR, S81 NOPL 2 2020014114002, 2020014116014,000 DOOD Busiestein Quilty C6, OFR, S81 NOPL 2 2020014116014,000 DOOD Busiestein Quilty C7, OFR, S81 NOPL 2 2020014116014,000 DOOD Busiestein Quilty C7, OFR, S81 NOPL 2 2020014116014,000 DOOD Busiestein Quilty C7, OFR, S81 NOPL 2 2020014116014,000 DOOD Busiestein Quilty C7, OFR, S81 NOPL 2 2020014116014,000 DOOD Busiestein Quilty C7, OFR, S81 NOPL 2 2020014116014,000 DOOD Busiestein Quilty C7, OFR, S81 NOPL 2 2020014116014,000 DOOD Busiestein Quilty C7, OFR, S81 NOPL 2 2020014116014,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116014,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116014,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014116000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014110000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014110000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014110000,000 DOOD Busiestein Cuilty C7, OFR, S81 NOPL 2 2020014110000,000 DOO	CS_OFFL_SIR_NOPN_2_20230214T105250_20230214T105315_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CB: DFL: SIR. NOPH 2: 202302141118000; 20030214118040; DOI         COCOR Bassector Guily PLM.         The CoCoR Barge and Backstelle Cuily PLB.           CS: OFR: SIR. NOPH 2: 20230214118682; 20030214118682; DOI         COCOR Bassector Cuily PLB.         The CoCoR Affraiter Purg. SSR. SWR.           CS: OFR: SIR. NOPH 2: 20230214118682; 20030214118682; DOI         Cocor Affraiter Purg. SSR. SWR.         The Cocor Affraiter Purg. SSR. SWR.           CS: OFR: SIR. NOPH 2: 20230214118682; 20030214118344; DOI         Cocor Affraiter Purg. SSR. SWR.         The Cocor Affraiter Purg. SSR. SWR.           CS: OFR: SIR. NOPH 2: 20230214118682; 200302141183747; DOI         Cocor Affraiter Purg. SSR. SWR.         The Cocor Affraiter Purg. SSR. SWR.           CS: OFR: SIR. NOPH 2: 20230214118699; 200302141183747; DOI         Cocor Affraiter Purg. SSR. SWR.         The Cocor Affraiter Purg. SSR. SWR.           CS: OFR: SIR. NOPH 2: 20230214118699; 200302141183747; DOI         Cocor Affraiter Purg. SSR. SWR.         The Cocor Affraiter Purg. SSR. SWR.           CS: OFR: SIR. NOPH 2: 202302141172649; 20030214118297; DOI         COCOR Affraiter Purg. SSR. SWR.         The Cocor Affraiter Purg. SSR. SWR.           CS: OFR: SIR. NOPH 2: 202302141172649; 20030214119247; DOI         COCOR Affraiter Purg. SSR. SWR.         The CoCOR Purg and Backscatter Cuality PLB; The teem of the cocor Purg.           CS: OFR: SIR. NOPH 2: 20230214119249; DOI         COCOR Affraiter Purg. SSR. SWR.         The COCOR Purg and Backscatter Cuality PLB; Pure teem set for one on cocor Purg.	CS_OFFL_SIR_NOPN_2_20230214T115008_20230214T115123_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CPTL_SIP_LOPPL_2.202382141149962_202382141149962_20232141149980_2023     COCO Biodecattri Coalty PERA COOR American Engage CPL SIP_LOPPL_2.202382141169548_20222141149980_20232     Company_CPL SIP_LOPPL_2.202382141169548_2022214116914_2020     Company_CPL SIP_LOPPL_2.202382141169548_2022214116914_2020     Company_CPL SIP_LOPPL_2.202382141169548_2022214116914_2020     Company_CPL SIP_LOPPL_2.202382141169368_2022214116914_2020     Company_CPL SIP_LOPPL_2.202382141169368_2022214116914     Company_CPL SIP_LOPPL_2.202382141169368_2022214116914     Company_CPL SIP_LOPPL_2.202382141169368_2022214116914     Company_CPL SIP_LOPPL_2.202382141169368_20222141170227_COM     Company_CPL SIP_LOPPL_2.202382141169368_20222411170247_COM     Company_CPL SIP_LOPPL_2.202382141169368_20222411170247_COM     Company_CPL SIP_LOPPL_2.202382141169368_20222411170247_COM     Company_CPL SIP_LOPPL_2.202382141169368_20252411170247_COM     Company_CPL SIP_LOPPL_2.202382141169368_202522411170247_COM     Company_CPL SIP_LOPPL_2.202382141169368_202522411170247_COM     Company_CPL SIP_LOPPL_2.202382141169368_202522411170247_COM     Company_CPL SIP_LOPPL_2.202382141169368_202522411170247_COM     Company_CPL SIP_LOPPL_2.202382141169368_20252241119244_20222141172247_COM     Company_CPL SIP_LOPPL_2.202382141169368_202522411169389_COM     Company_CPL SIP_LOPPL_2.202382141169368_202522411169389_COM     Company_CPL SIP_LOPPL_2.202382141169368_202522411169389_COM     Company_CPL SIP_LOPPL_2.202382141169368_202522411169389_COM     Company_CPL SIP_LOPPL_2.202382141169368_202522411169389_COM     Company_CPL SIP_LOPPL_2.202382141169369_20222411169389_COM     Company_CPL SIP_LOPPL_2.202382141169369_20222411169389_COM     Company_CPL SIP_LOPPL_2.202382141169380_20222411169389_COM     Company_CPL SIP_LOPPL_2.202382141169380_20222411169389_COM     Company_CPL SIP_LOPPL_2.202382141169380_20222411169389_COM     Company_CPL SIP_LOPPL_2.202382141169380_20222411169389_COM     Company_CPL SIP_LOPPL_2.202382141169380_2022411169389_COM     Company_CPL SIP_LOPPL	CS_OFFL_SIR_NOPN_2_20230214T140703_20230214T140747_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
GS_OFFL_SIR_NOPN_2_20030214T146440_0001     Arrest Parge and Backsterter Cuality FLB, NOPN_2_20030214T16514_0001     Arrest Parge and Backsterter Cuality FLB, NOPN_2_20030214T16514_0001     Arrest Parge and Backsterter Cuality FLB, NOPN_2_20030214T16514_0001     Arrest Parge and Backsterter Cuality FLB, NOPN_2_20030214T165040_2002014T16514_0001     Arrest Parge and Backsterter Cuality FLB, NOPN_2_20030214T165040_2002014T16514_0001     Arrest Parge and Backsterter Cuality FLB, NOPN_2_20030214T165040_2002014T172777 C001     Arrest Parge and Backsterter Cuality FLB, NOPN_2_20020214T165040_2002014T172777 C001     Arrest Parge and Backsterter Cuality FLB, NOPN_2_20020214T165040_2002014T172777 C001     Arrest Parge and Backsterter Cuality FLB, NOPN_2_20020214T165040_2002014T172821_0001     COOG Altereter Parge and Backsterter Cuality     Has COOG Range and Backsterter Cuality FLB, NOPN_2_20020214T165040_2002014T168040_20070     COOG Altereter Parge and Backsterter Cuality     Has COOG Range and Backsterter Cuality FLB, NOPN_2_20020214T165040_2002014T168040_20020     COOG Altereter Parge and Backsterter Cuality     Has COOG Range and Backsterter Cuality FLB, NOPN_2_20020214T168040_2002014T168040_20020     COOG Altereter Parge and Backsterter Cuality     Has COOG Range and Backsterter Cuality FLB, NoPN_2_20020214T168040_20020214T168040_2002014T168040_20020     COOG Altereter Parge and Backsterter Cuality     Has COOG Range and Backsterter Cuality FLB, NoPN_2_20020214T168040_20020214T168040_20020214T168040_20020     COOG Altereter Parge Cuality FLB, NoPN_2_20020214T168040_200202	CS_OFFL_SIR_NOPN_2_20230214T140924_20230214T140952_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
GS_OFFL_SIR_NOPN_2_20230214T15044_0220214T15014_0001       and Balocater Cuality FLRM_COCOL PDAIL       The Occon Allineter Range. SSHA, SWH And Balocater Cuality FLRM_COCOL PDAIL       The Occon Allineter Range SSHA, SWH And Balocater Cuality FLRM_COCOL PDAIL       The Occon Allineter Range SSHA, SWH And Balocater Cuality FLRM_COCOL PDAIL       The Occon Allineter Range SSHA, SWH And Balocater Cuality FLRM_COCOL PDAIL       The Occon Allineter Range SSHA, SWH and Balocater Cuality FLRM_COCOL PDAIL       The Occon Allineter Range SSHA, SWH and Balocater Cuality FLRM_COCOL PDAIL       The Occon Allineter Range SSHA, SWH and Balocater Cuality FLRM_COCOL PDAIL       The Occon Allineter Range SSHA, SWH and Balocater Cuality FLRM_COCOL PDAIL       The Occon Allineter Range SSHA, SWH and Balocater Cuality FLRM_COCOL PDAIL       The OCCOR Balocater Cuality FLRM_EOR PDAIL       The OCCOR Balocater Cuality FLRM_EOR PDAIL       The OCCOR Balocater Cuality FL	CS_OFFL_SIR_NOPN_2_20230214T145659_20230214T145840_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_NOPN_2_20230214T16307_0001       and Badasatter Cuality PLBM_CODE       The Vace Conder Status Cuality PLBM_CODE         GS_OFFL_SIR_NOPN_2_20230214T170231_20230214T170337_0001       OCCG Allineter Range Cuality PLBM_CODE       The CoDE Conder Status Cuality FLBM_Teacher Vace Vace Vace Vace Vace Vace Vace Vace	CS_OFFL_SIR_NOPN_2_20230214T155048_20230214T155144_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20230214T172446_20232214T172747_C001 CS_OFFL_SIR_NOPN_2_20230214T195528_20230214T192747_C001 CS_OFFL_SIR_NOPN_2_20230214T195528_20230214T192924_C001 COCG Altmeter Range Outlay PLRM. CS_OFFL_SIR_NOPN_2_20230214T195528_20230214T192924_C001 COCG Altmeter Range Outlay PLRM. CCCG Altmeter Range and Backscatter Outlay Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_20230214T192622_20230214T192828_C001 COCG Altmeter Range Outlay PLRM. CCCG Range and Backscatter Outlay Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_20230214T192602_20230214T192839_C001 CCCG Altmeter Range Outlay PLRM. CCCG Range and Backscatter Outlay Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_20230214T192602_20230214T192839_C001 CCCG Altmeter Range Outlay PLRM. The OCCG Range and Backscatter Outlay Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_20230214T192602_20230214T192839_C001 CCCG Altmeter Range Outlay PLRM. The OCCG Range and Backscatter Outlay Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_20230214T192602_20230214T192839_C001 CCCG Altmeter Range Outlay PLRM. The OCCG Range and Backscatter Outlay Flags have been set for one or more records CS_OFFL_SIR_NOPN_2_20230214T225427_20230214T02346_001 Altmeter Range SHA, SWH and Backscatter Outlay Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230214T02344_20230214T02346_001 Altmeter Range SHA, SWH and Backscatter Outlay Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230214T02344_20230214T02346_001 Altmeter Range	CS_OFFL_SIR_NOPN_2_20230214T163605_20230214T163747_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_NOPN_2_20230214T172440_20230214T172747_0001       and Backscatter Quality PLRM. GCQG       mice the analyse and Backscatter Quality PLRM. GCQG         GS_OFFL_SIR_NOPN_2_20230214T190582_20230214T190582_0001       CCG Altimeter Parge Quality PLRM. GCQG       The OCCG Range and Backscatter Quality Flags have been set for one or more records         GS_OFFL_SIR_NOPN_2_20230214T190582_00230214T190582_0001       CCG Altimeter Parge Quality PLRM. GCQG       The OCCG Range and Backscatter Quality Flags have been set for one or more records         GS_OFFL_SIR_NOPN_2_20230214T190592_00230214T192591_C001       CCGG Altimeter Parge Quality PLRM. GCQG Range and Backscatter Quality Flags have been set for one or more records         GS_OFFL_SIR_NOPN_2_20230214T192692_00230214T192593_C001       CCGG Altimeter Parge Quality PLRM. GCQG Range and Backscatter Quality Flags have been set for one or more records         GS_OFFL_SIR_NOPN_2_20230214T192692_00230214T22442_C001       CCGG Altimeter Range Quality PLRM. GCQG Range and Backscatter Quality Flags have been set for one or more records         GS_OFFL_SIR_NOPN_2_20230214T225427_20230214T225426_C001       CCGG Altimeter Range Quality PLRM. GCQG Range and Backscatter Quality Flags have been set for one or more records         GS_OFFL_SIR_NOPN_2_20230214T225427_20230214T225426_C001       CCGG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records         GS_OFFL_SIR_NOPN_2_20230214T025136_C001       CCGG Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records         GS_OFFL_SIR_NOPR_2_20230214T025146_C001       CC	CS_OFFL_SIR_NOPN_2_20230214T170231_20230214T170337_C001	OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
DS_OFFL_SIR_NOPN_2_20230214T192402_0230214T192521_C001         OCOG Backscatter Quality         The OCOG Range and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_NOPN_2_20230214T192502_0230214T192521_C001         OCOG Alimeter 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_20230214T192502_0230214T192599_C001         OCOG Alimeter 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_20230214T215410_0230214T215426_001         OCOG Alimeter 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_20230214T225427_00230214T225426_001         OCOG Alimeter Range Quality PLRM, OCOG Randscatter Quality         The OCOG Range and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_NOPN_2_20230214T225426_001         OCOG Alimeter Range Quality PLRM, OCOG Rankscatter Quality         The OCOG Range and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_NOPR_2_20230214T02318_0230214T025426_001         OCOG Rankscatter Quality         The Ocean Alimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records           CS_OFFL_SIR_NOPR_2_20230214T02314_02305_0230214T02318_C001         OCOG Alimeter Range Quality PLM, OCOG Alimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPN_2_20230214T172446_20230214T172747_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
US_OFFL_SIR_NOPR_2_a0230214T192602_20230214T192602_20230214T19260303_20230214T192603_20230214T192603_20230214T1	CS_OFFL_SIR_NOPN_2_20230214T190528_20230214T190924_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OS_OFFL_SIR_NOPN_2_20230214T214410_20230214T214542_C001         OCOG Backscatter Quality         more records           OS_OFFL_SIR_NOPN_2_20230214T225427_20230214T225622_C001         OCOG Altimeter Range Quality PLRM, COCG Backscatter Quality         The OCOG Altimeter Quality FLRM, COCG Backscatter Quality         The OCOG Altimeter Quality FLRM, COCG Backscatter Quality           OS_OFFL_SIR_NOPN_2_20230214T225427_20230214T225622_C001         OCOG Altimeter Range, SSHA, SWH And Backscatter Quality PLRM, COCG Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality PLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, COCG Altimeter	CS_OFFL_SIR_NOPN_2_20230214T192420_20230214T192521_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230214T225427_20230214T225622_0001       OCOG Backscatter Quality PLRM.       The OCOG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPN_2_20230214T225427_20230214T225622_0001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPN_2_20230214T232311_20230214T232426_C001       Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T005136_20230214T005407_C001       Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T005136_20230214T005407_C001       Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T023138_C001       Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T023144_20230214T023138_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T023144_20230214T023154_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T023144_20230214T023154_C001       OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T023144_20230214T032511	CS_OFFL_SIR_NOPN_2_20230214T192602_20230214T192939_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230214122542/_202302141225422_20001       OCOG Backscatter Quality       more records         CS_OFFL_SIR_NOPN_2_202302147232311_202302147232426_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, and Backscatter Quality Flags and the OCOG Altimeter Range, and Backscatter Quality Flags 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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T023144_20230214T023154_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T024204_20230214T024605_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T032511_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T040809_20230214T040817_C001       Ocea	CS_OFFL_SIR_NOPN_2_20230214T214410_20230214T214542_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230214T232311_20230214T232426_C001       In Backscatter Quality PLRM, OCCG Allimeter Range and Backscatter Quality PLRM, OCCG Allimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T005136_20230214T005407_C001       Deean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T023144_20230214T023154_C001       OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality PLRM       The OCCG Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T024204_20230214T024605_C001       OCCG Altimeter Range SSHA, SWH and Backscatter Quality PLRM       The OCCG Altimeter Range and Backscatter Quality PLRM         CS_OFFL_SIR_NOPR_2_20230214T032511_C001       Occean Altimeter Range SSHA, SWH and Backscatter Quality PLRM       The OCCG Altimeter Range and Backscatter Quality PLRM         CS_OFFL_SIR_NOPR_2_20230214T032511_C001       Occean Altimeter Range ASHA, SWH and Backscatter Quality PLRM       The OCCG Altimeter Range and Backscatter Quality PLRM	CS_OFFL_SIR_NOPN_2_20230214T225427_20230214T225622_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20230214T005136_20230214T005407_C001       and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T023005_20230214T023138_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T023144_20230214T023154_C001       OCCGA Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM       The OCCGA Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T023144_20230214T023154_C001       OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, and Backscatter Quality PLRM       The OCCGA Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T024204_20230214T024605_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM       The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T032148_20230214T032511_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records       The OCCGA Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SI	CS_OFFL_SIR_NOPN_2_20230214T232311_20230214T232426_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_20230214T023005_20230214T023138_C001       and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG NCOG Backscatter Quality PLRM, OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG NCOG Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T024204_20230214T024605_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T032148_20230214T032511_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, and Backscatter Quality Flags have been set for one or more records       The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T032511_C001       OCOG Altimeter Range Quality PLRM, OCOG Attimeter Range Quality PLRM, OCOG Ratimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T040809_20230214T040817_C001 <td>CS_OFFL_SIR_NOPR_2_20230214T005136_20230214T005407_C001</td> <td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_NOPR_2_20230214T005136_20230214T005407_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_202302141023144_202302141023134_2001       OCOG Backscatter Quality       more records         CS_OFFL_SIR_NOPR_2_20230214T024204_20230214T024605_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, SSHA, SWH and Backscatter Quality Flags hard Backscatter Quality PLRM         CS_OFFL_SIR_NOPR_2_20230214T032148_20230214T032511_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM         CS_OFFL_SIR_NOPR_2_20230214T040809_20230214T040817_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_20230214T040809_20230214T040817_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_20230214T023005_20230214T023138_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_20230214T024204_20230214T024605_C001       and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM       and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM       and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records         CS_OFFL_SIR_NOPR_2_20230214T040809_20230214T040817_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPR_2_20230214T023144_20230214T023154_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20230214T032148_20230214T032511_C001       and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM       Ine Ocean Attimeter Range, SSFA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality PLRM         CS_OFFL_SIR_NOPR_2_20230214T040809_20230214T040817_C001       OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Attimeter Range Quality PLRM, OCOG Attimeter Range Quality PLRM, OCOG Attimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPR_2_20230214T024204_20230214T024605_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_202302141040809_202302141040817_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_NOPR_2_20230214T032148_20230214T032511_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_20230214T040809_20230214T040817_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCOG Backscatter Quality Infore records	CS_OFFL_SIR_NOPR_2_20230214T040903_20230214T040909_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_20230214T044245_20230214T044458_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG	CS_OFFL_SIR_NOPR_2_20230214T044245_20230214T044458_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20230214T055401_20230214T055445_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OC	CS_OFFL_SIR_NOPR_2_20230214T055401_20230214T055445_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20230214T060201_20230214T060328_C001 CS_OFFL_SIR_NOPR_2_20230214T060201_20230214T060328_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPR_2_20230214T060201_20230214T060328_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_20230214T060551_20230214T060707_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPR_2_20230214T060551_20230214T060707_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_20230214T082112_20230214T082214_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_20230214T104100_20230214T104112_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_20230214T104215_20230214T104417_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_20230214T104735_20230214T104934_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_20230214T105126_20230214T105249_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_20230214T105315_20230214T110111_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_20230214T121914_20230214T122240_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_20230214T124208_20230214T124419_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_20230214T141247_20230214T141811_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_20230214T141811_20230214T142015_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_20230214T142019_20230214T142033_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_20230214T155145_20230214T155726_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_20230214T155741_20230214T155904_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_20230214T160159_20230214T160341_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_20230214T170638_20230214T170850_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_20230214T172347_20230214T172446_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_20230214T173100_20230214T173747_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_20230214T190220_20230214T190451_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_20230214T190925_20230214T191444_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_20230214T204743_20230214T205733_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_20230214T222338_20230214T222356_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_20230214T222515_20230214T222804_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_20230214T222804_20230214T223253_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)		

L2 Quality Flags (1 Hz & 1 Hz PLRM)

 $\label{eq:currently} Currently, there are several common flags raised in the Level 2 products, which are summarised below.$ 

> 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: 185

# 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.

58

125

Number of products with errors:

#### L2 Retracking Flags (20 Hz PLRM)

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

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

#### Number of products with errors:

# 7. NOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	206	206	6	200	0
SIR_NOPR1B	148	148	0	148	0
SIR_NOPN1B	102	102	4	98	0
SIR_NOPM_2	206	206	147	59	0
SIR_NOPR_2	148	148	79	68	1
SIR_NOPN_2	102	102	41	61	0

### 7.1 QCC Errors

Number of QCC repo	orts with er	rrors:	4								
Total number of occurrences of each error											
Product Type RLOP	BOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_NOPR_2	1	1	1	1							
Test Description Key:											
Abbreviation	Test na			Details							
RLOBOPNCDF	RangeLa	atitudeOrBlankOP_	_7NetCDF	Latitude should be between -90E7 and 90E7 - NetCDF							
RL	RangeLa	atitude_7		Latitude should be between -90E7 and 90E7							
RLOBOPNCDF	RangeLo	RangeLongitudeOrBlankOP 7NetCDF Longitude should be between -180E7 and 180E7 - NetCDF									

# 7.2 QCC Warnings

SIR\_NOPR\_2

nber of QCC repo	orts with warnings	1654					
				nber of occurrences of e		•	
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC
SIR_NOPM1B	200	0	0	0	0	0	0
SIR_NOPM_2	0	0	41	35	0	45	0
SIR_NOPN1B	98	0	0	0	0	0	0
SIR_NOPN_2	0	0	14	27	4	22	25
SIR_NOPR1B	146	0	0	0	0	0	0
SIR_NOPR_2	0	1	17	37	1	21	21
Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARN	CERPEPOPFDPLRMSINNCE	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	39	30	0	0	0	0	24
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	16	0	0	16	0	26	0
SIR_NOPR1B	0	0	0	0	0	0	0
SIR NOPR 2	8	0	33	0	40	0	0

Product	Туре	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_NOF	PM1B	0	0	0	0	0	0	0
SIR_NOF	PM_2	0	0	7	30	0	5	36
SIR_NOF	PN1B	0	0	0	0	0	0	0
SIR_NO	PN_2	0	21	16	41	47	32	23
SIR_NOF	PR1B	0	0	0	0	0	0	0
SIR NO	PR 2	32	0	2	50	23	10	20

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-	-
SIR_NOPM1B	0	0	0	0	0		
SIR_NOPM_2	0	2	0	0	0		
SIR_NOPN1B	0	0	0	43	0		
SIR_NOPN_2	25	9	0	0	0		
SIR_NOPR1B	0	0	0	148	5		
SIR NOPR 2	35	1	4	0	0		

Test Description Key:					
Abbreviation	Test name	Details			
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter			
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)			
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees			
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees			
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only			
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter 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
	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
	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0