



1. Overview

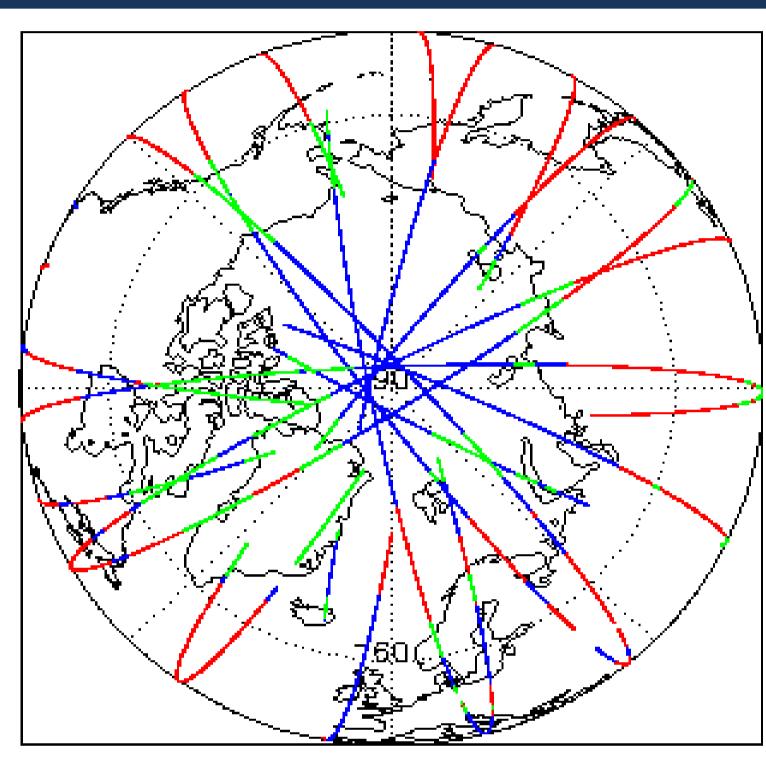
Report Production:	16-Jun-2023	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

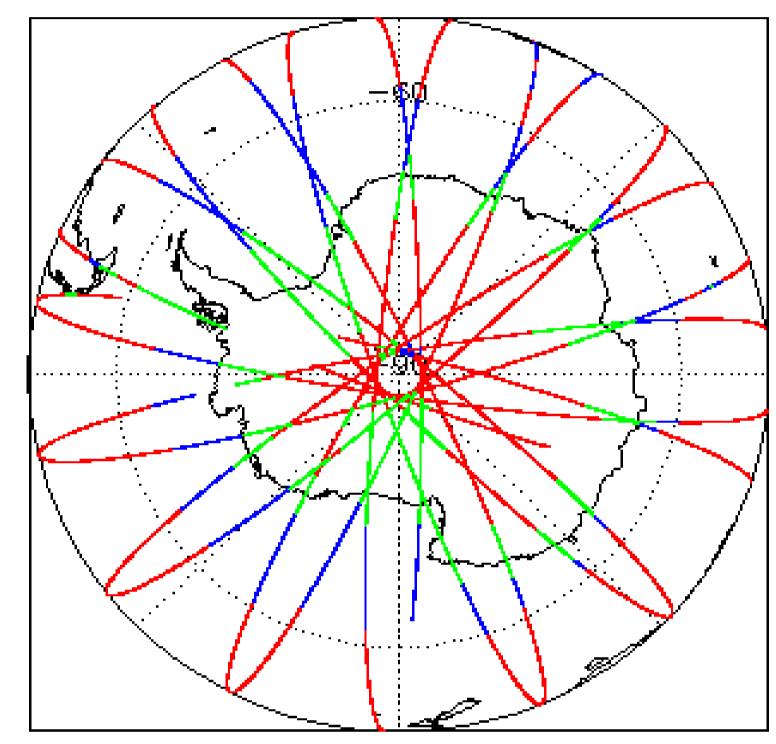
We would love to hear from you!
lease let us know your feedback about these daily
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cs2_qc_team@telespazio.com

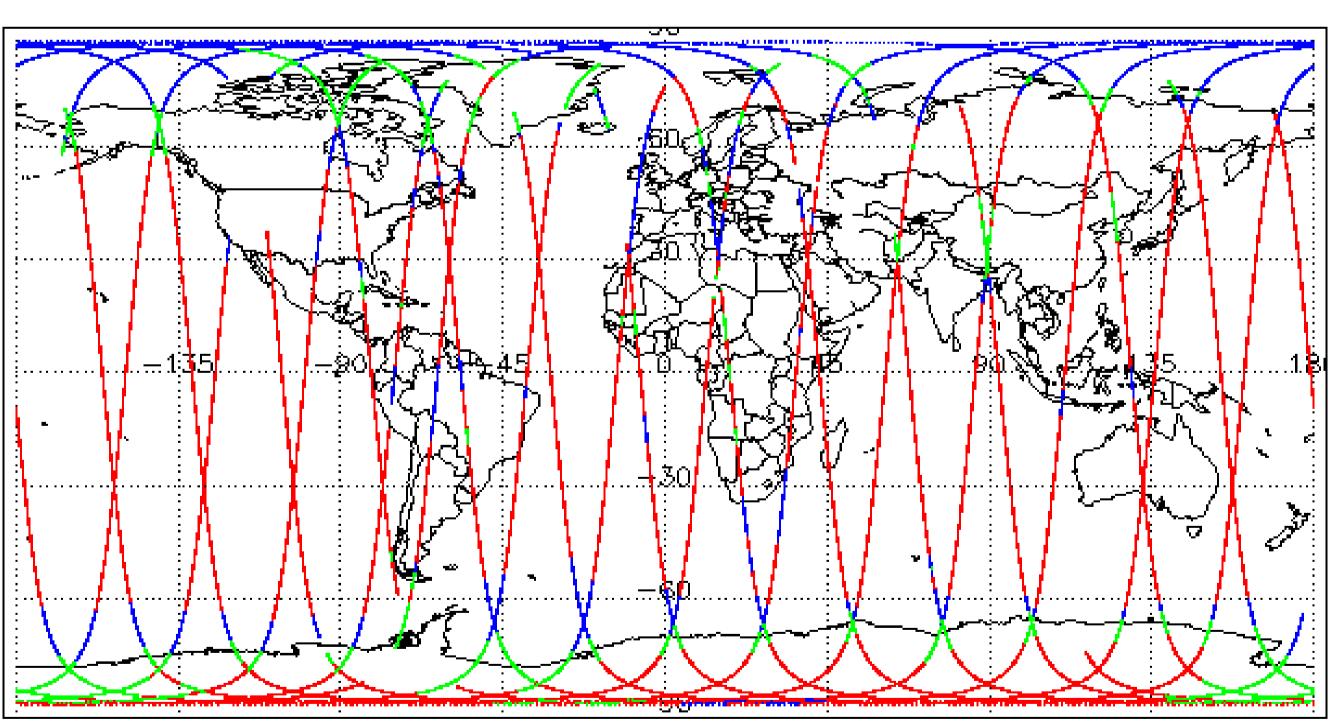
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7
QCC Error/ Warning Check	See Section 7.2

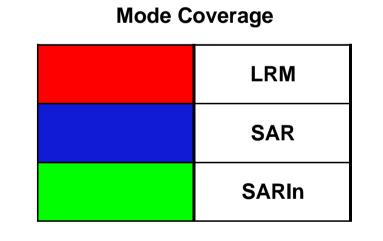
Mission / Instrument News		
12-Jun-2023	None	
13-Jun-2023	None	
14-Jun-2023	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

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

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

4.2 L1B Product Header Analysis

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

> L1B Processing Quality HR: The l1b_proc_flag_hr flag is currently set all L1B NOPR and NOPN products because the l1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

0

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20230613T014535_20230613T015024_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

21

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20230613T231647_20230613T233015_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230613T013750_20230613T014241_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230613T023001_20230613T023214_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230613T031036_20230613T031113_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230613T050138_20230613T050316_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230613T062545_20230613T062645_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230613T080832_20230613T080849_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230613T094938_20230613T095036_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230613T163107_20230613T163241_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230613T212857_20230613T213216_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230613T231042_20230613T231309_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20230613T234738_20230613T235100_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230613T031339_20230613T031700_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230613T045027_20230613T045146_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230613T081137_20230613T081923_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230613T112011_20230613T112055_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230613T144640_20230613T145624_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230613T162400_20230613T163107_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230613T181100_20230613T181233_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230613T182123_20230613T182442_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20230613T230235_20230613T230534_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

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

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Corection, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update.
- > Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

48

CS_OFFL_SIR_NOPM_2_20230613T043516_20230613T044100_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records CS_OFFL_SIR_NOPM_2_20230613T164200_20230613T164211_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records CS_OFFL_SIR_NOPM_2_20230613T004131_20230613T004321_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records CS_OFFL_SIR_NOPM_2_20230613T005149_20230613T004321_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records There is an error with the Mean Dynamic Tomore records Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_NOPM_2_20230613T013750_20230613T014241_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records The	opography height for one or one or opography height for one or one records one records one of the Mean Dynamic ore records
CS_OFFL_SIR_NOPM_2_20230613T044738_20230613T049027_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography (solution 1) and the tidal correct Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide (FES), Non-Equilibrium Long Perio	opography height for one or opography height for one or opography height for one or one or opography height for one or one records one records one of the Mean Dynamic ore records
CS_OFFL_SIR_NOPN_2_20230613T004131_20230613T004321_C001 Mean Dynamic Topography (1) Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records Mean Dynamic Topography (1) Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomore records Mean Dynamic Topography (1) Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography (solution 1) and the tidal correct Topography (solution 1) and the tidal co	opography height for one or opography height for one or ion 1) and the Mean Dynamic ore records
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CS_OFFL_SIR_NOPN_2_20230613T013750_20230613T014241_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or most topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or most topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or most topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or most topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or most topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or most topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or most topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide Mean Sea Surface (1), Mean Dynamic Topography (solution 1) and the tidal correct Top	ion 1) and the Mean Dynamic ore records
Topography (1) CS_OFFL_SIR_NOPN_2_20230613T031203_20230613T031339_C001 CS_OFFL_SIR_NOPN_2_20230613T031203_20230613T031339_C001 CS_OFFL_SIR_NOPN_2_20230613T031701_20230613T031747_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or mode of the composition of the com	ion 1) and the Mean Dynamic ore records ion 1) and the Mean Dynamic ore records ion 1) and the Mean Dynamic ore records
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CS_OFFL_SIR_NOPN_2_20230613T071913_20230613T072233_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more designations. Topography height (solution 1) for one or more designations.	,
CS_OFFL_SIR_NOPN_2_20230613T072759_20230613T072923_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomography (1) more records	pography height for one or
CS_OFFL_SIR_NOPN_2_20230613T090610_20230613T090709_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more than the control of the control	•
CS_OFFL_SIR_NOPN_2_20230613T094938_20230613T095036_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more than the matter of the control o	•
CS_OFFL_SIR_NOPN_2_20230613T104349_20230613T104600_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more than the matter of the matter o	
CS_OFFL_SIR_NOPN_2_20230613T112737_20230613T112952_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more than the matter of the matter o	•
CS_OFFL_SIR_NOPN_2_20230613T121408_20230613T121554_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomography (1) more records	pography height for one or
CS_OFFL_SIR_NOPN_2_20230613T130419_20230613T130817_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomography (1) more records	pography height for one or
CS_OFFL_SIR_NOPN_2_20230613T130827_20230613T130937_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more than the control of the control	· · · · · · · · · · · · · · · · · · ·
CS_OFFL_SIR_NOPN_2_20230613T175948_20230613T180212_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomography (1) more records	pography height for one or
CS_OFFL_SIR_NOPN_2_20230613T185219_20230613T185345_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more than 100 miles. Topography (1)	•
Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	, .
CS_OFFL_SIR_NOPN_2_20230613T203247_20230613T203545_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) for one or more than the matter of the control of the matter of the control of the matter of the control of the contro	•
CS_OFFL_SIR_NOPN_2_20230613T203759_20230613T204320_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more than the matter of the control o	,
CS_OFFL_SIR_NOPN_2_20230613T212227_20230613T212322_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Tomography (1) more records	pography height for one or

CS_OFFL_SIR_NOPN_2_20230613T212857_20230613T213216_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_20230613T221114_20230613T221511_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_20230613T230058_20230613T230234_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_20230613T230752_20230613T230905_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_20230613T231042_20230613T231309_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_20230613T234530_20230613T234632_C001	nviean Dynamic Todography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20230613T234738_20230613T235100_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_20230613T000803_20230613T000913_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_20230613T031339_20230613T031700_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_20230613T031747_20230613T031813_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_20230613T044101_20230613T044302_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_20230613T045204_20230613T050006_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_20230613T063033_20230613T063924_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_20230613T081137_20230613T081923_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_20230613T095037_20230613T095619_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_20230613T112952_20230613T113519_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_20230613T130817_20230613T130827_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_20230613T130937_20230613T131339_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_20230613T144640_20230613T145624_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_20230613T162400_20230613T163107_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_20230613T164211_20230613T164258_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_20230613T230235_20230613T230534_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_20230613T230534_20230613T230752_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

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20230613T014535_20230613T015024_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

Number of products with errors:

Product	Test Failed	Description

## Reconfigure and Sessionant Caulary Control of a virtual for any one control of a virtual for any			
Company Comp	CS_OFFL_SIR_NOPM_2_20230613T000913_20230613T001624_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Control File NOTA 2 PO 399 3TT03906 2 POSCHITTUTES 2 CONTROL Contr	CS_OFFL_SIR_NOPM_2_20230613T002527_20230613T003924_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DECET LIST NOPM 2 ASSOCIATION DE ACCIONATION DE CONTRACTOR DE LA PROPRIA DE ACCIONATION DE CONTRACTOR DE LA PROPRIA DE ACCIONATION D	U.S. OFFI. SIR NOPM / /U/3061310043/1 /U/306131005149 U.001	1	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Section Description Desc	CS_OFFL_SIR_NOPM_2_20230613T005435_20230613T011652_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Septime Sept	LS OFFE SIR NOPM / /0/306131011/58 /0/3061310118/8 C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
12. OFFIL. SIR. NOPW_2_2000619703248_200096 9703955_0001 value Beadanes Casin), OCCO, Principle Royal (1998) value Beadanes Casin), OCCO, Principle Ro	LS OFFE SIR NOPIVEZ ZOZNONI STOTAS ZOZNONI STOTADZA CODI		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
SQUENTLE RENOTH 2. 20200151015597, 20205011710597. DOZIGO Alternate Range and Backessater Quality Flags have been set to can or his encode of course of the	CS_OFFL_SIR_NOPM_2_20230613T015241_20230613T015555_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Darkscatter Quality COCG Affired Range Quality COCG Affired Range and Backecation Quality Flags have been set for an or more records. COCG Affired Range and Backecation Quality Flags have been set for an or more records. COCG Affired Range and Backecation Quality The Decen Affired Range and Backecation Quality Flags have been set for an or more records. COCG Affired Range and Backecation Quality The Decen Affired Range and Backecation Quality Flags have been set for an or more records. COCG Affired Range and Backecation Quality The Decen Affired Range and Backecation Quality Flags have been set for an or more records. COCG Affired Range and Backecation Quality The Decen Affired Range and Backecation Quality Flags have been set for an or more records. COCG Affired Range and Backecation Quality Flags have been set for an or more records. COCG Affired Range and Backecation Quality Flags have been set for an or more records. COCG Affired Range and Backecation Quality Flags have been set for an or more records. COCG Affired Range COCG Affired Range and Backecation Quality Flags have been set for an or more records. COCG Affired Range COCG Affired Range and Backecation Quality Flags have been set for an or more records. COCG Affired Range COCG Affired Range SIAP, SVM and Backecation Quality Flags have been set for an or more records. COCG Affired Range SIAP, SVM and Backecation Quality Flags have been set for an or more records. COCG Affired Range SIAP, SVM and Backecation Quality Flags have been set for an or more records. COCG Affired Range SIAP, SVM and Backecation Quality Flags have been set for an or more records. COCG Affired Range SIAP, SVM and Backecation Quality Flags have been set for an or more records. COCG Affired Range SIAP, SVM and Backecation Quality Flags have been set for an or more records. COCG Affired Range SIAP, SVM and Backecation Quality Flags have been set for an or more records. COCG Affired Range Range SIAP, SVM and Backecation Quality Flags have been set for an or m	CS_OFFL_SIR_NOPM_2_20230613T015557_20230613T021855_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Baccutater Quality So OFFL Silk NOPM 2 200309 3T004048 200309 3T00404 C000 So OFFL Silk NOPM 2 200309 3T004048 200309 3T00405 C000 Attracter Range SSHA, 5WH and Backscatter Quality Flags nave been state of the property	CS OFFE SIR NOPIM 2 202306131022226 202306131022421 C001		
and the COCO Alternater Range. SIHA, SVH and the Coco Alternater Range. SIHA, SVH and Backscatter Quality Flags have been set to receive more words. CS_OFFL_SIR_NOPM_2_20230613T040432_20230613T045514_COC1 CS_OFFL_SIR_NOPM_2_20230613T044043_202230613T045514_COC1 CS_OFFL_SIR_NOPM_2_20230613T044043_202230613T045514_COC1 CS_OFFL_SIR_NOPM_2_20230613T044043_202230613T045514_COC1 CS_OFFL_SIR_NOPM_2_20230613T044043_202230613T045514_COC1 CS_OFFL_SIR_NOPM_2_20230613T044043_202230613T045514_COC1 CS_OFFL_SIR_NOPM_2_20230613T044043_202230613T045514_COC1 CS_OFFL_SIR_NOPM_2_20230613T044043_202230613T045514_COC1 CS_OFFL_SIR_NOPM_2_20230613T044043_202230613T045514_COC1 CS_OFFL_SIR_NOPM_2_20230613T044042_20230613T045040_COC1 CS_OFFL_SIR_NOPM_2_20230613T044042_202230613T054054_COC1 CS_OFFL_SIR_NOPM_2_20230613T054042_20230613T054054_COC1 CS_OFFL_SIR_NOPM_2_20230613T054042_20230613T054054_COC1 CS_OFFL_SIR_NOPM_2_20230613T054042_20230613T054054_COC1 CS_OFFL_SIR_NOPM_2_20230613T054042_20230613T054054_COC1 CS_OFFL_SIR_NOPM_2_20230613T054042_20230613T054054_COC1 CS_OFFL_SIR_NOPM_2_20230613T054042_20230613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T056044_20220613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T056044_20220613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T056044_20220613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T056044_20220613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T056044_20220613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T056044_20220613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T056044_20220613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T056044_20220613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T05604_20220613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T05604_20220613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T05604_20220613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T05604_20220613T055054_COC1 CS_OFFL_SIR_NOPM_2_20230613T05604_20220613T056054_COC1 CS_OFFL_SIR_NOPM_2_20230613T05604_20220613T056054_COC1 CS_OFFL_SIR_NOPM_2_20230613T05604_20220613T056054_COC1 CS_OFFL_SIR_NOPM_2_20230613T05604_20220613T056054_COC1 CS_OFFL_SIR_NO	CS OFFE SIR NOPMED 202306131022513 202306131023001 C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
are backscater Oually, OCOG Altimeter Range and Backscater Oually Plags have been Attended Range Self-A, SVH and Backscater Oually Plags have been Attended Range Self-A, SVH and Backscater Oually Plags have been Attended Range Self-A, SVH and Backscater Oually Plags Attended Range Self-A, SVH and Backscater Oually Plags Attended Range Self-A, SVH and Backscater Oually Plags Attended Range Attended Range Attended Plags Attended Range	CS_OFFL_SIR_NOPM_2_20230613T023648_20230613T025904_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscater Quality CS_OFFL_SIR_NOPM_2_20230613T041248_20230613T043514_C001 Decan Altimoter Range, SSHA, SWH and Backscater Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230613T04738_20230613T045818_C001 Altimoter Range and Backscater Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230613T050318_20230613T058838_C001 CS_OFFL_SIR_NOPM_2_20230613T050318_20230613T058838_C001 CS_OFFL_SIR_NOPM_2_20230613T050318_20230613T058838_C001 CS_OFFL_SIR_NOPM_2_20230613T050318_20230613T058838_C001 CS_OFFL_SIR_NOPM_2_20230613T050318_20230613T058838_C001 CS_OFFL_SIR_NOPM_2_20230613T050318_20230613T058838_C001 CS_OFFL_SIR_NOPM_2_20230613T050318_20230613T0580318_C001 CS_OFFL_SIR_NOPM_2_20230613T050318_20230613T055701_C001 CS_OFFL_SIR_NOPM_2_20230613T0503033_C001 CS_OFFL_SIR_NOPM_2_20230613T0503033_C001 CS_OFFL_SIR_NOPM_2_20230613T0503044_20230613T0503033_C001 CS_OFFL_SIR_NOPM_2_20230613T0503045_20230613T072758_C001 CS_OFFL_SIR_NOPM_2_20230613T072352_20230613T073750_C001 CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T073750_C001 CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T075750_C001 CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T075750_C001 CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T075750_C001 CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T075750_C001 CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T075750_C001 CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T075750_C001 CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T075750_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075750_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075750_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075750_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075750_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075508_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075508_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075508_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075508_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T	CS_OFFL_SIR_NOPM_2_20230613T033139_20230613T035724_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality (DOCS Altmeter Range and Backscatter Quality Flags have been Altmeter Range and Backscatter Quality Flags have been Backscatter Quality COCS Altmeter Range and Backscatter Quality Flags have been Altmeter Ra	U.S OFFE SIR NOPIVEZ ZOZNOG STOROZNOG STOROZNOG STOROZNOG COOL		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and the OCOG Altimeter Range and Backscatter Quality Flags have been after Range. SFIA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230613T054342_20230613T054363_C001 CS_OFFL_SIR_NOPM_2_20230613T054342_20230613T054302_C001 CS_OFFL_SIR_NOPM_2_20230613T054342_20230613T054302_C001 CS_OFFL_SIR_NOPM_2_20230613T055539_20230613T055701_C001 CS_OFFL_SIR_NOPM_2_20230613T05639_20230613T055701_C001 CS_OFFL_SIR_NOPM_2_20230613T05639_20230613T056303_C001 CS_OFFL_SIR_NOPM_2_20230613T062645_20230613T06507_C001 CS_OFFL_SIR_NOPM_2_20230613T062645_20230613T06507_C001 CS_OFFL_SIR_NOPM_2_20230613T062645_20230613T06507_C001 CS_OFFL_SIR_NOPM_2_20230613T062645_20230613T06507_C001 CS_OFFL_SIR_NOPM_2_20230613T062645_20230613T072758_C001 CS_OFFL_SIR_NOPM_2_20230613T072352_20230613T072758_C001 CS_OFFL_SIR_NOPM_2_20230613T072352_20230613T072758_C001 CS_OFFL_SIR_NOPM_2_20230613T072352_20230613T0750566 C001 CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T0750566 C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726 C001 CS_OFFL_SIR_NOPM_2_20230613T076232_20230613T075726 C001 CS_OFFL_SIR_NOPM_2_20230613T076382_20230613T075726 C001 CS_OFFL_SIR_NOPM_2_20230613T076382_20230613T075726 C001 CS_OFFL_SIR_NOPM_2_20230613T076382_20230613T075726 C001 CS_OFFL_SIR_NOPM_2_20230613T076382_20230613T075726 C001 CS_OFFL_SIR_NOPM_2_20230613T076382_20230613T075726 C001 CS_OFFL_SIR_NOPM_2_20230613T076382_20230613T075726 C001 CS_OFFL_	CS_OFFL_SIR_NOPM_2_20230613T041248_20230613T043514_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230613T054342_20230613T054902_CO01 Backscatter Quality, COGG Backscatter Quality, COGG Altimeter Range Quality, COGG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230613T055539_20230613T055701_CO01 CS_OFFL_SIR_NOPM_2_20230613T06444_20230613T06507_CO01 CS_OFFL_SIR_NOPM_2_20230613T06645_20230613T065033_CO01 CS_OFFL_SIR_NOPM_2_20230613T062645_20230613T065033_CO01 CS_OFFL_SIR_NOPM_2_20230613T072352_20230613T072758_CO01 CS_OFFL_SIR_NOPM_2_20230613T072352_20230613T074305_CO01 CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_CO01 CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_CO01 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075258_CO01 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075258_CO01 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_CO01 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_CO01 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075258_CO01 CS_OFFL_SIR_NOPM_2_20230613T075232_20230		and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20230613T065639_20230613T065701_C001 DCean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230613T060444_20230613T060507_C001 DCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range and Ba	CS_OFFL_SIR_NOPM_2_20230613T050316_20230613T053635_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230613T060444_20230613T060507_C001 CS_OFFL_SIR_NOPM_2_20230613T062645_20230613T063033_C001 CS_OFFL_SIR_NOPM_2_20230613T062645_20230613T063033_C001 CS_OFFL_SIR_NOPM_2_20230613T062645_20230613T063033_C001 CS_OFFL_SIR_NOPM_2_20230613T072352_20230613T072758_C001 CS_OFFL_SIR_NOPM_2_20230613T072352_20230613T072758_C001 CS_OFFL_SIR_NOPM_2_20230613T072352_20230613T074305_C001 CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T074305_C001 CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075756_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T0757766_C001 CS_OFFL_SIR_NOPM_2_20230613T0757326_C001 CS_OFFL_SIR_NOPM_2_20230613T0757766_C001 CS_OFFL_SIR_	U.S OFFI SIR NOPN/ / /0/30613105434/ /0/30613105490/ U.001	1	1.
Backscatter Quality CS_OFFL_SIR_NOPM_2_20230613T062645_20230613T063033_C001 CS_OFFL_SIR_NOPM_2_20230613T062645_20230613T063033_C001 CS_OFFL_SIR_NOPM_2_20230613T072352_20230613T072758_C001 CS_OFFL_SIR_NOPM_2_20230613T072352_20230613T072758_C001 CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T074305_C001 CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T074305_C001 CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075058_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T0757526_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T0757526_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 CS_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CS_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CS_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CCG_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CCG_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CCG_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CCG_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CCG_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CCG_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CCG_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CCG_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CCCG_Altimeter Range and Backscatter Quality Flags have been set for one or m	CS_OFFL_SIR_NOPM_2_20230613T055539_20230613T055701_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS OFFE SIR NOPM 2 202306131060444 202306131060507 C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Backscatter Quality CS_OFFL_SIR_NOPM_2_20230613T072352_20230613T074305_C001 Backscatter Quality Cs_OFFL_SIR_NOPM_2_20230613T073210_20230613T074305_C001 Cs_OFFL_SIR_NOPM_2_20230613T073210_20230613T074305_C001 Cs_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_C001 Cs_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_C001 Cs_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 Cs_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 Cs_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 Cs_OFFL_SIR_NOPM_2_20230613T075232_20230613T085437_C001 Backscatter Quality Coean 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 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 and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230613T085740_20230613T085447_C001 CCG_Altimeter Range Quality, OCOG 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_20230613T062645_20230613T063033_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T074305_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 CS_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CS_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 And Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records	LS OFFE SIR NOPMEZ 202306131072352 202306131072758 C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 CS_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 CS_OFFL_SIR_NOPM_2_20230613T085740_20230613T090244_C001 CS_OFFL_SIR_NOPM_2_20230613T085740_20230613T090244_C001	CS_OFFL_SIR_NOPM_2_20230613T073210_20230613T074305_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230613T085740_20230613T090244_C001	CS_OFFL_SIR_NOPM_2_20230613T074452_20230613T075058_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have been set of control of the OCOG Altimeter Range and Backscatter Quality Flags have	CS_OFFL_SIR_NOPM_2_20230613T075232_20230613T075726_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
LS OFFE SIR NOPM 2 202306131085740 202306131090244 COOL	CS_OFFL_SIR_NOPM_2_20230613T081923_20230613T085437_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	LS OFFE SIR NOPNEZ ZOZADA 31085/40 ZOZADA 31090Z44 COOL		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

US OFFE SIR NOPM / 202306131090250 202306131090257 C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
US OFFE SIR NOPM / /0/306131090304 /0/306131090610 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_20230613T091345_20230613T094440_C001	•	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20230613T095752_20230613T103412_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
US OFFI SIR NOPM / /0/306131103635 /0/306131104143 (.001	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_20230613T105126_20230613T110122_C001	_	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20230613T110741_20230613T112011_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
US OFFE SIR NOPM / /0/30613111365/ /0/30613111444/ COOL	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_20230613T114458_20230613T115728_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20230613T115908_20230613T121323_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS OFFE SIR NOPM 2 202306131121554 202306131122055 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_20230613T122933_20230613T123207_C001	• • • • • • • • • • • • • • • • • • • •	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20230613T123242_20230613T125120_C001	_ · · · · · · · · · · · · · · · · · · ·	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
LS OFFE SIR NOPI/EZ ZOZBOTSTIZSSSZ ZOZBOTSTISOTOL COOT	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_20230613T133008_20230613T135146_C001	<u> </u>	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
US OFFE SIR NOPM / /0/306131135634 /0/306131140013 COOT	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_20230613T140708_20230613T143248_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20230613T150646_20230613T153147_C001	• • • • • • • • • • • • • • • • • • • •	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
US OFFE SIR NOPM / 202306131153418 202306131153927 COOL	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS OFFE SIR NOPM 2 202306131153934 202306131154302 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_20230613T154649_20230613T162011_C001	<u> </u>	The Ocean Altimeter Range, SSHA, SWH 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_20230613T163356_20230613T163416_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20230613T164259_20230613T164859_C001	_	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20230613T170608_20230613T171053_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
US OFFE SIR NOPNEZ ZUZSUMESEEZEZ ZUZSUMESEEZEZ UUS	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_20230613T172642_20230613T175948_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_NOPM_2_20230613T181445_20230613T181501_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_20230613T182743_20230613T184931_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_20230613T185345_20230613T185856_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_20230613T190530_20230613T194134_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_20230613T200332_20230613T200812_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_20230613T200852_20230613T202741_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_20230613T203545_20230613T203759_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_20230613T204526_20230613T212019_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_20230613T213349_20230613T215234_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_20230613T215313_20230613T220627_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_20230613T221838_20230613T222211_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_20230613T222424_20230613T223933_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_20230613T224135_20230613T225057_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_20230613T231309_20230613T231555_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_20230613T231647_20230613T233015_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_20230613T233456_20230613T233500_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_20230613T235640_20230614T000114_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230613T001624_20230613T001627_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230613T025904_20230613T030026_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230613T050006_20230613T050129_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230613T104349_20230613T104600_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230613T110122_20230613T110228_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230613T140028_20230613T140034_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_20230613T032949_20230613T033138_C001	_	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20230613T170056_20230613T170608_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_20230613T181100_20230613T181233_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_20230613T181501_20230613T181830_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_20230613T190201_20230613T190530_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20230613T234443_20230613T234530_C001	_	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

Number of products with errors: 90

Product	Test Failed	Description
1 TOURCE	Ocean Altimeter Range, SSHA, SWH	
CS_OFFL_SIR_NOPN_2_20230613T005149_20230613T005338_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230613T011829_20230613T012208_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_20230613T013750_20230613T014241_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_20230613T023001_20230613T023214_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_20230613T031203_20230613T031339_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_20230613T040034_20230613T040155_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_20230613T040220_20230613T040433_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_20230613T041030_20230613T041159_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_20230613T050006_20230613T050129_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_20230613T050138_20230613T050316_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_20230613T054026_20230613T054342_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_20230613T054902_20230613T055022_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_20230613T060816_20230613T060920_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_20230613T062318_20230613T062345_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_20230613T063924_20230613T064101_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_20230613T071913_20230613T072233_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_20230613T080600_20230613T080641_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_20230613T085549_20230613T085739_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_20230613T090610_20230613T090709_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_20230613T094938_20230613T095036_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

	Ocean Altimeter Pange SSHA SWH	
CS_OFFL_SIR_NOPN_2_20230613T104349_20230613T104600_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_20230613T104605_20230613T104727_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_20230613T110122_20230613T110228_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_20230613T112323_20230613T112624_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_20230613T112737_20230613T112952_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_20230613T113519_20230613T113657_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_20230613T130419_20230613T130817_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_20230613T131340_20230613T131410_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_20230613T132315_20230613T132401_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_20230613T132441_20230613T132826_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_20230613T135400_20230613T135634_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_20230613T153242_20230613T153417_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_20230613T154302_20230613T154430_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_20230613T162011_20230613T162356_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_20230613T180219_20230613T180253_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_20230613T185219_20230613T185345_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_20230613T185857_20230613T190201_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_20230613T203247_20230613T203545_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_20230613T203759_20230613T204320_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_20230613T221709_20230613T221837_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_20230613T222212_20230613T222347_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_20230613T225057_20230613T225423_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_20230613T231042_20230613T231309_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_20230613T234530_20230613T234632_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_20230613T234738_20230613T235100_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_20230613T000451_20230613T000556_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_20230613T003924_20230613T004131_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20230613T011653_20230613T011758_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_20230613T014305_20230613T014535_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_20230613T015024_20230613T015241_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_20230613T021855_20230613T022106_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_20230613T031018_20230613T031036_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_20230613T031339_20230613T031700_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_20230613T035724_20230613T040034_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_20230613T044633_20230613T044738_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_20230613T045204_20230613T050006_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_20230613T053635_20230613T054026_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_20230613T055022_20230613T055220_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_20230613T055701_20230613T055943_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_20230613T063033_20230613T063924_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_20230613T064013_20230613T064015_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_20230613T071600_20230613T071913_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_20230613T080641_20230613T080832_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_20230613T081137_20230613T081923_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_20230613T095037_20230613T095619_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_20230613T103413_20230613T103454_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_20230613T104727_20230613T105126_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_20230613T112245_20230613T112323_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_20230613T112952_20230613T113519_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_20230613T130100_20230613T130358_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_20230613T130937_20230613T131339_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_20230613T131410_20230613T131503_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_20230613T144640_20230613T145624_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_20230613T154430_20230613T154648_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_20230613T162400_20230613T163107_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_20230613T165037_20230613T165102_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_20230613T171054_20230613T171255_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_20230613T181501_20230613T181830_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_20230613T182123_20230613T182442_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_20230613T184932_20230613T185219_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_20230613T190201_20230613T190530_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_20230613T202741_20230613T203247_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_20230613T212134_20230613T212227_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20230613T215234_20230613T215313_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_20230613T220627_20230613T221114_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_20230613T230235_20230613T230534_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_20230613T230534_20230613T230752_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_20230613T233016_20230613T233456_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_20230613T233500_20230613T233538_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_20230613T234443_20230613T234530_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors: 187

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.

146

Number of products with errors: 55

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	150	150	3	147	0
SIR_NOPR1B	103	103	0	103	0

SIR_NOPN1B	104	104	2	102	0
SIR_NOPM_2	150	150	98	52	0
SIR_NOPR_2	103	103	33	70	0
SIR_NOPN_2	104	104	43	61	0

7.1 QCC Errors

Number of QCC reports with errors:

0

Test Description Key:			
Abbreviation	Test name	Details	

7.2 QCC Warnings

Number of QCC reports with warnings

1691

Total number of occurrences of each warning

	rotal number of occurrences of each warning						
Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
SIR_NOPM1B	147	0	0	0	0	0	0
SIR_NOPM_2	0	40	38	0	41	0	37
SIR_NOPN1B	101	0	0	0	0	0	0
SIR_NOPN_2	0	9	29	3	22	24	16
SIR_NOPR1B	100	0	0	0	0	0	0
SIR_NOPR_2	0	32	50	0	26	22	12

Product Type	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	1	32	0	0	0	0	22
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	0	22	0	32	0
SIR_NOPR1B	0	0	0	0	0	0	0
SIR NOPR 2	0	0	52	0	55	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	0	0	5	32	0	6	37
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	26	20	43	51	31	26
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	52	0	0	58	41	9	38

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	•
SIR_NOPM1B	0	0	0	0	0	0	
SIR_NOPM_2	0	3	0	0	0	0	
SIR_NOPN1B	0	0	1	0	45	0	
SIR_NOPN_2	32	12	0	1	0	0	
SIR_NOPR1B	0	0	0	0	103	4	
SIR_NOPR_2	48	1	0	1	0	0	

Test Description Key:						
	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude between -70 and 70 degrees				
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) surface type = ocean				
	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean				
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
	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				
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch				
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