

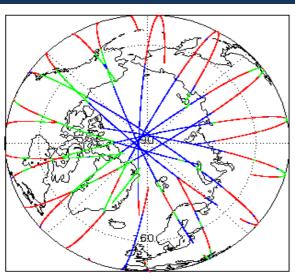
1. Overview

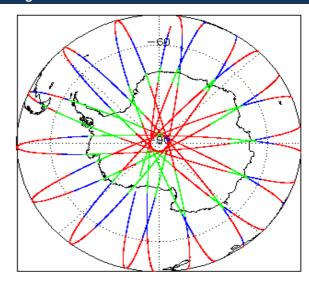
Report Production:	03-Nov-2021
Processor Used:	CryoSat Ocean Processor
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

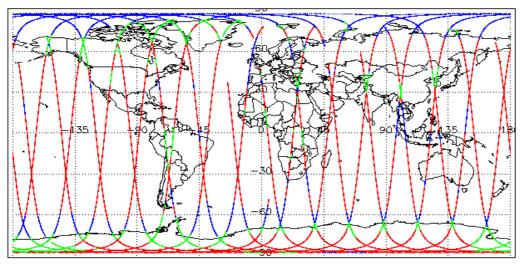
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7
QCC Error/ Warning Check	See Section 7.1 and 7.2

Mission / Instrument News		
01-Nov-2021	None	
02-Nov-2021	None	
03-Nov-2021	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

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

0

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 products over land, but this is to be expected.

Number of products with errors:

19

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20211102T042605_20211102T044319_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211102T091116_20211102T091351_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211102T092718_20211102T095755_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211102T105054_20211102T105241_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211102T210729_20211102T211341_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211102T024158_20211102T024520_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211102T042339_20211102T042605_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211102T045830_20211102T045932_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211102T060016_20211102T060239_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211102T073513_20211102T073542_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211102T105242_20211102T105336_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211102T154713_20211102T155227_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211102T172715_20211102T173114_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211102T204023_20211102T204630_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211102T000119_20211102T000523_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211102T055404_20211102T055541_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211102T105336_20211102T110124_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211102T122040_20211102T122149_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211102T204630_20211102T205531_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 binary product file (.DBL).

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

Product CS_OFFL_SIR_NOPM_2_20211102T191804_20211102T192053_C001	Test Failed Mean Sea Surface (1), Mean Dynamic Topography (1)	Description 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_20211102T000524_20211102T000649_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_20211102T001159_20211102T001504_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_20211102T014555_20211102T014851_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_20211102T015103_20211102T015624_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_20211102T024158_20211102T024520_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_20211102T032539_20211102T032814_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_20211102T042054_20211102T042207_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_20211102T050242_20211102T050634_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_20211102T060016_20211102T060239_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_20211102T060258_20211102T060441_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_20211102T064259_20211102T064450_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_20211102T065313_20211102T065522_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_20211102T073513_20211102T073542_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_20211102T074004_20211102T074437_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_20211102T082237_20211102T082415_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_20211102T100232_20211102T100614_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_20211102T114202_20211102T114519_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_20211102T115031_20211102T115156_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_20211102T122258_20211102T122321_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_20211102T123252_20211102T123349_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_20211102T141157_20211102T141312_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_20211102T154713_20211102T155227_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_20211102T164512_20211102T165125_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_20211102T172715_20211102T173114_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_20211102T181555_20211102T181810_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_20211102T182438_20211102T182755_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_20211102T204023_20211102T204630_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), 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), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20211102T213502_20211102T213625_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_20211102T214441_20211102T214558_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_20211102T224425_20211102T224634_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_20211102T231444_20211102T231611_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_20211102T232133_20211102T232323_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_20211102T041424_20211102T041854_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_20211102T041854_20211102T042054_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_20211102T073542_20211102T074004_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_20211102T091351_20211102T092217_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_20211102T105336_20211102T110124_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_20211102T122321_20211102T122328_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_20211102T123350_20211102T124152_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_20211102T141313_20211102T142033_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_20211102T155227_20211102T155747_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_20211102T173115_20211102T173807_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_20211102T190937_20211102T191804_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_20211102T204630_20211102T205531_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_20211102T224351_20211102T224425_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

0

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20211102T000649_20211102T001159_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_20211102T001858_20211102T005319_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_20211102T010408_20211102T010620_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_20211102T011635_20211102T012112_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_20211102T012152_20211102T013945_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_20211102T014851_20211102T015102_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_20211102T015838_20211102T023158_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_20211102T023303_20211102T023311_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_20211102T024627_20211102T030532_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_20211102T030618_20211102T031938_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_20211102T033137_20211102T033514_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_20211102T033750_20211102T035234_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_20211102T035435_20211102T040357_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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Society Services (1991) Servic	CS_OFFL_SIR_NOPM_2_20211102T050634_20211102T050939_C001		
SO, OFFL. SIRL NOPM_2_202111027093441_0021102700450_0000 Solid Review Figure (Landy County) CS OFFL SIRL NOPM_2_202111027093441_0021102700450_0000 SOLID REVIEW Figure (Landy County) CS OFFL SIRL NOPM_2_202111027093441_00211102700450_0000 SOLID REVIEW Figure (Landy County) SOLID REVIEW Figure (Landy	CS_OFFL_SIR_NOPM_2_20211102T050943_20211102T051416_C001		
Descriptions (Page 2014). Since the received country (Page 2014). Only or one or more records. CB_OFFL_SIR_NOPM_2_782111027860981_X02111027000181_C001 CB_OFFL_SIR_NOPM_2_782111027860981_X0211102700181_C001 CB_OFFL_SIR_NOPM_2_782111027860981_X0211102700181_C001 CB_OFFL_SIR_NOPM_2_782111027860981_X0211102700181_C001 CB_OFFL_SIR_NOPM_2_782111027860981_X0211102700181_C001 CB_OFFL_SIR_NOPM_2_782111027860981_X0211102700418_C001 CB_OFFL_SIR_NOPM_2_782111027860981_X0211102700418_C001 CB_OFFL_SIR_NOPM_2_78211102786091_X0211102700418_C001 CB_OFFR_SIR_NOPM_2_78211102786091_X0211102700418_C001 CB_OFFR_SIR_NOPM_2_78211102786091_X0211102700418_C001 CB_OFFR_SIR_NOPM_2_78211102786091_X0211102700418_C001 CB_OFFR_SIR_NOPM_	CS_OFFL_SIR_NOPM_2_20211102T051730_20211102T053138_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
SG OFFL SIR NOPM 2 2021102T00044 2021102T00046 CO01 And Baskessater Quality OCOC Administer Range SAHA, SWH and Baskessater Quality Flags and below control country for the core or more records. SG OFFL SIR NOPM 2 2021102T000397 2021102T001915 CO01 SG OFFL SIR NOPM 2 2021102T001915 DO11 100T00418 CO01 SG OFFL SIR NOPM 2 2021102T006711 2021102T005131 CO01 SG OFFL SIR NOPM 2 2021102T006711 2021102T005131 CO01 SG OFFL SIR NOPM 2 2021102T00570 ADMINISTER PROPER SAHA SWH and Baskessater Quality Flags flag	CS_OFFL_SIR_NOPM_2_20211102T054441_20211102T054620_C001		
SC_OFFL_SIR_NOPW_2_20211102T000305_02211102T000313_0001 SC_OFFL_SIR_NOPW_2_20211102T000305_02211102T000313_0001 SC_OFFL_SIR_NOPW_2_20211102T000305_0221102T0003013_0001 SC_OFFL_SIR_NOPW_2_20211102T000305_0221102T0003013_0001 SC_OFFL_SIR_NOPW_2_20211102T000305_0221102T0003013_0001 SC_OFFL_SIR_NOPW_2_20211102T000305_0221102T0003013_0001 SC_OFFL_SIR_NOPW_2_20211102T000303_0001 SC_OFFL_SIR_NOPW_2_2021	CS_OFFL_SIR_NOPM_2_20211102T060441_20211102T060546_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
SQ.OFFL.SIR_NOPM_2_20211102T068191_2021102T068108_C001 Animater Range and Blackscatter Caulity (Page Save been affected and the Cooper Alimater Range and Blackscatter Caulity (Page Save been affected and the Cooper Alimater Range and Blackscatter Caulity (Page Save been affected and the Cooper Alimater Range and Blackscatter Caulity (Page Save Been affected Range Save Blackscatter Caulity (Page Save Been affected Range Caulity (Page Save Been affected Range Caulity Range and Blackscatter Caulity (Page Save Been affected Range Caulity Range and Blackscatter Caulity (Page Save Been affected Range Caulity Range and Blackscatter Caulity (Page Save Been affected Range Caulity Range and Blackscatter Caulity (Page Save Been affected Range Caulity Range and Blackscatter Caulity (Page Save Been affected Range Caulity Range and Blackscatter Caulity Range Range Ra	CS_OFFL_SIR_NOPM_2_20211102T060555_20211102T060813_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Causity COCG Altimeter Range and Backscatter Causity Flags have been set for one or more records. S. OFFL SIRI NOPM 2 20211102709471 20211102709333 CO01 S. OFFL SIRI NOPM 2 202111027095710 20211102707314 2 (2011) COTOR SIRI NOPM 2 20211102709573 (2011) COTOR SIRI NOPM 2 20211102710554 (2011) COTOR SIRI NOPM	CS_OFFL_SIR_NOPM_2_20211102T060937_20211102T061913_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Bockscatter Coulty CS_OFFL_SIR_NOPM_2_20211102T082912_0211102T072140_C001 CS_OFFL_SIR_NOPM_2_20211102T072442_0211102T072140_C001 CS_OFFL_SIR_NOPM_2_20211102T072442_0211102T082011_C001 CS_OFFL_SIR_NOPM_2_20211102T072442_0211102T082011_C001 CS_OFFL_SIR_NOPM_2_20211102T082082_0211102T083118_C001 CS_OFFL_SIR_NOPM_2_20211102T082082_0211102T083118_C001 CS_OFFL_SIR_NOPM_2_20211102T082080_0211102T090424_C001 CS_OFFL_SIR_NOPM_2_20211102T090424_C001 CS_OFFL_SIR_NOPM_2_20211102T090442_C001 CS_OFFL_SIR_NOPM_2_20211102T090442_C001 CS_OFFL_SIR_NOPM_2_20211102T090442_C001 CS_OFFL_SIR_NOPM_2_20211102T090442_C001 CS_OFFL_SIR_NOPM_2_20211102T090442_C001 CS_OFFL_SIR_NOPM_2_20211102T090442_C001 CS_OFFL_SIR_NOPM_2_20211102T090444_C001 CS_OFFL_SIR_NOPM_2_20211102T090444_C001 CS_OFFL_SIR_NOPM_2_20211102T090444_C001 CS_OFFL_SIR_NOPM_2_20211102T090444_C001 CS_OFFL_SIR_NOPM_2_20211102T090444_C001 CS_OFFL_SIR_NOPM_2_20211102T109044_C001 CS_OFFL_SIR_NOPM_2_20211102T109044_C0011102T0905050_C001 CS_OFFL_SIR_NOPM_2_20211102T109044_C0011102T090506_C001 CS_OFFL_SIR_NOPM_2_20211102T109044_C0011102T090506_C001 CS_OFFL_SIR_NOPM_2_20211102T109044_C0011102T090506_C001 CS_OFFL_SIR_NOPM_2_20211102T109044_C001102T10906_C001 CS_OFFL_SIR_NOPM_2_20211102T109044_C0011102T10906_C001 CS_OFFL_SIR_NOPM_2_20211102T10904_C0011102T10906_C001 CS_OFFL_SIR_NOPM_2_20211102T109044_C001102T10906_C001 CS_OFFL_SIR_NOPM_2_20211102T109046_C0011102T10906_C001 CS_OFFL_SIR_NOPM_2_20211102T109046_C0011102T10906_C001 CS_OFFL_SIR_NOPM_2_20211102T110204_C0011102T10906_C001 CS_OFFL_SIR_NOPM_2_20211102T110204_C0011102T10906_C001 CS_OFFL_SIR_NOPM_	CS_OFFL_SIR_NOPM_2_20211102T061915_20211102T064108_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211102T05242_20211102T082011_C001 CS_OFFL_SIR_NOPM_2_20211102T082702_20211102T082011_C001 CS_OFFL_SIR_NOPM_2_20211102T082702_20211102T080118_C001 CS_OFFL_SIR_NOPM_2_20211102T08303_20211102T08048_C001 CS_OFFL_SIR_NOPM_2_20211102T08303_20211102T08048_C001 CS_OFFL_SIR_NOPM_2_20211102T08303_20211102T08048_C001 CS_OFFL_SIR_NOPM_2_20211102T08048_20211102T08048_C001 CS_OFFL_SIR_NOPM_2_20211102T08048_20211102T08048_C001 CS_OFFL_SIR_NOPM_2_20211102T08048_20211102T080595_C001 CS_OFFL_SIR_NOPM_2_20211102T08048_20211102T080595_C001 CS_OFFL_SIR_NOPM_2_20211102T0901118_20211102T091300_C001 CS_OFFL_SIR_NOPM_2_20211102T091118_20211102T091300_C001 CS_OFFL_SIR_NOPM_2_20211102T091118_20211102T091300_C001 CS_OFFL_SIR_NOPM_2_20211102T091118_20211102T091300_C001 CS_OFFL_SIR_NOPM_2_20211102T091118_20211102T091300_C001 CS_OFFL_SIR_NOPM_2_20211102T091118_20211102T091300_C001 CS_OFFL_SIR_NOPM_2_20211102T091118_20211102T091300_C001 CS_OFFL_SIR_NOPM_2_20211102T091118_20211102T091300_C001 CS_OFFL_SIR_NOPM_2_20211102T091300_C001 CS_OFFL_SIR_NOPM_2_20211102T1091300_C001 CS_OFFL_SIR_NOPM_2_20211102T1091300_C001 CS_OFFL_SIR_NOPM_2_20211102T1091300_C001 CS_OFFL_SIR_NOPM_2_20211102T1091300_C001 CS_OFFL_SIR_NOPM_2_20211102T1015024_20211102T101300_C001 CS_OFFL_SIR_NOPM_2_20211102T1015024_20211102T101300_C001 CS_OFFL_SIR_NOPM_2_20211102T1015024_20211102T101300_C001 CS_OFFL_SIR_NOPM_2_20211102T1015024_20211102T101300_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T101300_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T101300_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T10200_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T101300_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T101300_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T101300_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T101300_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T101300_C001 CS_OFFL_SIR_NOPM_2_20211102T	CS_OFFL_SIR_NOPM_2_20211102T064711_20211102T065313_C001		
and Backscatter Quality, COGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211102T082702_20211102T083118_C001 CS_OFFL_SIR_NOPM_2_20211102T083630_20211102T090046_C001 CS_OFFL_SIR_NOPM_2_20211102T090048_20211102T090041_C001 CS_OFFL_SIR_NOPM_2_20211102T090048_20211102T090041_C001 CS_OFFL_SIR_NOPM_2_20211102T090048_20211102T090041_C001 CS_OFFL_SIR_NOPM_2_20211102T090048_20211102T090041_C001 CS_OFFL_SIR_NOPM_2_20211102T090048_20211102T090049_C001 CS_OFFL_SIR_NOPM_2_20211102T090048_20211102T09155_C001 CS_OFFL_SIR_NOPM_2_20211102T09116_20211102T095755_C001 CS_OFFL_SIR_NOPM_2_20211102T090048_20211102T095755_C001 CS_OFFL_SIR_NOPM_2_20211102T095748_20211102T095755_C001 CS_OFFL_SIR_NOPM_2_20211102T100614_20211102T095755_C001 CS_OFFL_SIR_NOPM_2_20211102T100614_20211102T095755_C001 CS_OFFL_SIR_NOPM_2_20211102T100614_20211102T09564_C001 CS_OFFL_SIR_NOPM_2_20211102T10558_20211102T109564_C001 CS_OFFL_SIR_NOPM_2_20211102T10554_20211102T109564_C001 CS_OFFL_SIR_NOPM_2_20211102T10564_20211102T105641_C001 CS_OFFL_SIR_NOPM_2_20211102T10564_20211102T115560_C001 CS_OFFL_SIR_NOPM_2_20211102T110564_20211102T115560_C001 CS_OFFL_SIR_NOPM_2_20211102T110564_20211102T115560_C001 CS_OFFL_SIR_NOPM_2_20211102T110564_20211102T115640_C001 CS_OFFL_SIR_NOPM_2_20211102T110564_20211102T115640_C001 CS_OFFL_SIR_NOPM_2_20211102T110564_20211102T115660_20211102	CS_OFFL_SIR_NOPM_2_20211102T065710_20211102T072140_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality GS_OFFL_SIR_NOPM_2_20211102T083630_20211102T090046_C001 CS_OFFL_SIR_NOPM_2_20211102T0806380_20211102T090046_C001 CS_OFFL_SIR_NOPM_2_20211102T090048_20211102T0900421_C001 CS_OFFL_SIR_NOPM_2_20211102T090048_20211102T0900421_C001 CS_OFFL_SIR_NOPM_2_20211102T091116_20211102T091350_C001 CS_OFFL_SIR_NOPM_2_20211102T091116_20211102T091350_C001 CS_OFFL_SIR_NOPM_2_20211102T091116_20211102T091350_C001 CS_OFFL_SIR_NOPM_2_20211102T091116_20211102T091350_C001 CS_OFFL_SIR_NOPM_2_20211102T091116_20211102T091350_C001 CS_OFFL_SIR_NOPM_2_20211102T091116_20211102T091350_C001 CS_OFFL_SIR_NOPM_2_20211102T091116_20211102T091350_C001 CS_OFFL_SIR_NOPM_2_20211102T100614_20211102T091350_C001 CS_OFFL_SIR_NOPM_2_20211102T100614_20211102T09136_C001 CS_OFFL_SIR_NOPM_2_20211102T101536_2001 CS_OFFL_SIR_NOPM_2_20211102T101536_2001 CS_OFFL_SIR_NOPM_2_20211102T105044_20211102T101306_C001 CS_OFFL_SIR_NOPM_2_20211102T105044_20211102T105241_C001 CS_OFFL_SIR_NOPM_2_20211102T105044_20211102T105041_C001 CS_OFFL_SIR_NOPM_2_20211102T105044_20211102T105041_C001 CS_OFFL_SIR_NOPM_2_20211102T105054_20211102T110501_C001 CS_OFFL_SIR_NOPM_2_20211102T105054_20211102T110501_C001 CS_OFFL_SIR_NOPM_2_20211102T110504_20211102T110501_C001 CS_OFFL_SIR_NOPM_2_20211102T110504_20211102T115001_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T115001_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T115001_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T115001_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T115001_C001 CS_	CS_OFFL_SIR_NOPM_2_20211102T075242_20211102T082011_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211102T090048_20211102T090421_C001 CS_OFFL_SIR_NOPM_2_20211102T091116_20211102T091350_C001 CS_OFFL_SIR_NOPM_2_20211102T091116_20211102T091350_C001 CS_OFFL_SIR_NOPM_2_20211102T092718_20211102T093755_C001 CS_OFFL_SIR_NOPM_2_20211102T092718_20211102T095755_C001 CS_OFFL_SIR_NOPM_2_20211102T1091360_C002 Altimeter Range CS_SHA_SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211102T109136_C001 CS_OFFL_SIR_NOPM_2_20211102T109364_20211102T101936_C001 CS_OFFL_SIR_NOPM_2_20211102T105044_20211102T101936_C001 CS_OFFL_SIR_NOPM_2_20211102T105044_20211102T101360_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T103041_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T103041_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T103041_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T103041_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T103041_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T103041_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T103041_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T103041_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T103041_C001 CS_OFFL_SIR_NOPM_2_20211102T10504_20211102T113005_C001 CS_OFFL_SIR_NOPM_2_20211102T110504_20211102T113005_C001 CS_OFFL_SIR_NOPM_2_20211102T110504_20211102T113005_C001 CS_OFFL_SIR_NOPM_2_20211102T110504_20211102T113005_C001 CS_OFFL_SIR_NOPM_2_20211102T110504_20211102T113005_C001 CS_OFFL_SIR_NOPM_2_20211102T110504_20211102T113005_C001 CS_OFFL_SIR_NOPM_2_20211102T110504_20211102T113005_C001 CS_OFFL_SIR_NOPM_2_20211102T110504_20211102T113005_C001 CS_OFFL_SIR_NOPM_2_20211102T110504_20211102T113005_C001 CS_OFFL_SIR_NOPM_2_20211102T110504_20211102T1100504_20211102T110004_20011004_2001004_2001004_2001004_2001004_2001004_20004_2001004_20004_20004_20004_20004_20004_20004_20004_20004_20004_20004_20004_20004_20004_20004_20004_20	CS_OFFL_SIR_NOPM_2_20211102T082702_20211102T083118_C001		
Backscatter Quality CS_OFFL_SIR_NOPM_2_20211102T091116_20211102T091350_C001 CS_OFFL_SIR_NOPM_2_20211102T092718_20211102T095755_C001 CS_OFFL_SIR_NOPM_2_20211102T092718_20211102T095755_C001 CS_OFFL_SIR_NOPM_2_20211102T092718_20211102T095755_C001 CS_OFFL_SIR_NOPM_2_20211102T095755_C001 CS_OFFL_SIR_NOPM_2_20211102T10614_20211102T01155_C001 CS_OFFL_SIR_NOPM_2_20211102T10614_20211102T01155_C001 CS_OFFL_SIR_NOPM_2_20211102T10538_20211102T101936_C001 CS_OFFL_SIR_NOPM_2_20211102T10538_20211102T101936_C001 CS_OFFL_SIR_NOPM_2_20211102T10538_20211102T101936_C001 CS_OFFL_SIR_NOPM_2_20211102T105054_20211102T105241_C001 CS_OFFL_SIR_NOPM_2_20211102T105054_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113031_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T112008_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T112008_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T112008_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T112008_20211102T11206_C001 COCAA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211102T112008_20211102T11206_C001 CCCAA Altimeter Range Quality, COCGAA Iltimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCCAA Altimeter Range Cuality, COCGAA Iltimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCCAA Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20211102T083630_20211102T090046_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been and Backscatter Quality	CS_OFFL_SIR_NOPM_2_20211102T090048_20211102T090421_C001		
and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211102T100614_20211102T101155_C001 CS_OFFL_SIR_NOPM_2_20211102T10538_20211102T101936_C001 CS_OFFL_SIR_NOPM_2_20211102T105054_20211102T101936_C001 CS_OFFL_SIR_NOPM_2_20211102T105054_20211102T105241_C001 CS_OFFL_SIR_NOPM_2_20211102T105054_20211102T10538_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T11301_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T112106_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T112106_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121206_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121206_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121206_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121206_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T1212106_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T121008_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T121008_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T121008_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T121008_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T121008_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T121008_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T121008_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T121008_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T121008_20211102T121106_C001 CS_OFFL_SIR_NOPM_2_20211102T121008_202111	CS_OFFL_SIR_NOPM_2_20211102T091116_20211102T091350_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20211102T101538_20211102T101936_C001 CS_OFFL_SIR_NOPM_2_20211102T10538_20211102T101936_C001 CS_OFFL_SIR_NOPM_2_20211102T105054_20211102T105241_C001 CS_OFFL_SIR_NOPM_2_20211102T105054_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T1105031_C001 CS_OFFL_SIR_NOPM_2_20211102T110502_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T110502_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T110502_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T112008_20211102T121206_C001 CS_OFFL_SIR_NOPM_2_20211102T112008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T112008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CCEAN 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 and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter	CS_OFFL_SIR_NOPM_2_20211102T092718_20211102T095755_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_20211102T105054_20211102T105241_C001 CS_OFFL_SIR_NOPM_2_20211102T1105054_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T110505_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T110505_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T11206_C001 CS_OFFL_SIR_NOPM_2_20211102T112006_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T124152_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T124152_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T124152_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T124152_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T124152_20211102T1231311_C001 CS_OFFL_SIR_NOPM_2_20211102T124152_202111	CS_OFFL_SIR_NOPM_2_20211102T100614_20211102T101155_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001 CS_OFFL_SIR_NOPM_2_20211102T114519_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T12106_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001	CS_OFFL_SIR_NOPM_2_20211102T101538_20211102T101936_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_20211102T114519_20211102T115031_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121206_C001 CS_OFFL_SIR_NOPM_2_20211102T115002_20211102T121206_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T12308_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SI	CS_OFFL_SIR_NOPM_2_20211102T105054_20211102T105241_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20211102T112006_C001 CS_OFFL_SIR_NOPM_2_20211102T115602_20211102T121206_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 Backscatter Quality CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 Backscatter Quality CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T124152_20211102T131711_C001 Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211102T124152_20211102T131711_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range 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 A	CS_OFFL_SIR_NOPM_2_20211102T110524_20211102T113805_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20211102T115602_20211102T121206_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 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_20211102T124152_20211102T131711_C001 CS_OFFL_SIR_NOPM_2_20211102T124152_20211102T131711_C001 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	CS_OFFL_SIR_NOPM_2_20211102T114519_20211102T115031_C001		
CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_NOPM_2_20211102T124152_20211102T131711_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Quality F	CS_OFFL_SIR_NOPM_2_20211102T115602_20211102T121206_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20211102T124152_20211102T131711_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20211102T123008_20211102T123131_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20211102T124152_20211102T131711_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPM_2_20211102T132308_20211102T132520_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_20211102T132526_20211102T132938_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_20211102T133457_20211102T140026_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_20211102T142145_20211102T142204_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_20211102T142234_20211102T142612_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_20211102T142632_20211102T143457_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_20211102T143937_20211102T144143_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_20211102T144145_20211102T145034_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_20211102T145232_20211102T145627_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_20211102T145900_20211102T150419_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_20211102T150438_20211102T150645_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_20211102T151532_20211102T152753_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_20211102T152951_20211102T153822_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_20211102T153950_20211102T154713_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_20211102T160928_20211102T161858_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_20211102T162101_20211102T162820_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_20211102T162931_20211102T163516_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_20211102T163826_20211102T164321_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_20211102T165150_20211102T165408_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_20211102T171107_20211102T171735_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_20211102T172343_20211102T172614_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_20211102T174756_20211102T174815_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_20211102T175913_20211102T181400_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_20211102T181810_20211102T182249_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_20211102T182255_20211102T182304_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_20211102T183021_20211102T185239_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_20211102T185257_20211102T190341_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_20211102T192847_20211102T195309_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_20211102T195700_20211102T200150_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_20211102T200210_20211102T200535_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_20211102T200916_20211102T203532_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_20211102T203732_20211102T204023_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_20211102T210412_20211102T210644_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_20211102T210729_20211102T211341_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_20211102T211344_20211102T213236_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_20211102T213625_20211102T214105_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_20211102T215005_20211102T222226_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_20211102T223418_20211102T223731_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_20211102T230644_20211102T230919_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_20211102T232854_20211102T234939_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_20211102T235225_20211103T000403_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_20211102T054157_20211102T054413_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_20211102T131917_20211102T132308_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_20211102T164512_20211102T165125_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors: 84

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20211102T001159_20211102T001504_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_20211102T015103_20211102T015624_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_20211102T024158_20211102T024520_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_20211102T040358_20211102T040719_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_20211102T042054_20211102T042207_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_20211102T042339_20211102T042605_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_20211102T044320_20211102T044845_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_20211102T050242_20211102T050634_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_20211102T060016_20211102T060239_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_20211102T064259_20211102T064450_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_20211102T065313_20211102T065522_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_20211102T074004_20211102T074437_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_20211102T074520_20211102T074643_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_20211102T075028_20211102T075241_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_20211102T082237_20211102T082415_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_20211102T083118_20211102T083412_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_20211102T092217_20211102T092718_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_20211102T100232_20211102T100614_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_20211102T101155_20211102T101310_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_20211102T102849_20211102T103223_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_20211102T104050_20211102T104253_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_20211102T105002_20211102T105054_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_20211102T114202_20211102T114519_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_20211102T121206_20211102T121523_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_20211102T123252_20211102T123349_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_20211102T131917_20211102T132308_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_20211102T132939_20211102T133046_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_20211102T140836_20211102T141026_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_20211102T154713_20211102T155227_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_20211102T160524_20211102T160928_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_20211102T164512_20211102T165125_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_20211102T170320_20211102T170922_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_20211102T172220_20211102T172342_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_20211102T172715_20211102T173114_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_20211102T182438_20211102T182755_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_20211102T190341_20211102T190504_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_20211102T204023_20211102T204630_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_20211102T213502_20211102T213625_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_20211102T214441_20211102T214558_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_20211102T222226_20211102T222353_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_20211102T222430_20211102T222603_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_20211102T223839_20211102T223920_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_20211102T224425_20211102T224634_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_20211102T231444_20211102T231611_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_20211102T232133_20211102T232323_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_20211102T000119_20211102T000523_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_20211102T001505_20211102T001858_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_20211102T013945_20211102T014555_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_20211102T015624_20211102T015837_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_20211102T031938_20211102T032539_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_20211102T041424_20211102T041854_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_20211102T041854_20211102T042054_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_20211102T053138_20211102T053954_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_20211102T065522_20211102T065709_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_20211102T073542_20211102T074004_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_20211102T091001_20211102T091115_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_20211102T101937_20211102T102412_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_20211102T104011_20211102T104050_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_20211102T104648_20211102T105002_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_20211102T105336_20211102T110124_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_20211102T110253_20211102T110332_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_NOPR_2_20211102T113805_20211102T114202_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_20211102T115157_20211102T115602_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_20211102T123131_20211102T123252_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_20211102T123350_20211102T124152_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_20211102T131712_20211102T131917_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_20211102T133046_20211102T133457_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_20211102T150940_20211102T151532_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_20211102T152753_20211102T152950_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_20211102T155227_20211102T155747_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_20211102T155812_20211102T155942_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_20211102T171736_20211102T171905_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_20211102T173115_20211102T173807_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_20211102T175433_20211102T175709_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_20211102T182755_20211102T183021_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_20211102T190937_20211102T191804_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_20211102T192440_20211102T192516_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_20211102T200650_20211102T200915_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_20211102T204630_20211102T205531_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_20211102T214558_20211102T215004_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_20211102T223731_20211102T223839_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_20211102T224351_20211102T224425_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_20211102T230919_20211102T231444_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_20211102T232442_20211102T232854_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors:

167

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors:

7. NOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	174	174	5	169	0
SIR_NOPR1B	96	96	0	96	0
SIR_NOPN1B	103	103	3	100	0
SIR_NOPM_2	174	174	123	51	0
SIR_NOPR_2	96	96	32	62	2
SIR_NOPN_2	103	103	44	59	0

7.1 QCC Errors

Number of QCC reports with errors:

7

Total number of occurrences of each error

Product Type RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
SIR NOPR 2 2	1	2	2	1	2					

Test Description Key:						
Abbreviation	Test name	Details				
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7 - NetCDF				
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6				
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7				
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7 - NetCDF				
RL	RangeLongitude_6	Longitude should be between -180E6 and 180E6				
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7				

7.2 QCC Warnings

Number of QCC reports with warnings

1660

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_NOPM1B	169	0	0	0	0	0	0
SIR_NOPM_2	0	0	37	36	0	43	0
SIR_NOPN1B	98	0	0	0	0	0	0
SIR_NOPN_2	0	0	10	32	3	26	31
SIR_NOPR1B	95	0	0	0	0	0	0
SIR_NOPR_2	0	2	34	35	0	34	23

Product Type	RBSZOPOEPNCDF	RLPTONCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCI	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	35	0	0	33	0	0	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	23	0	1	0	0	24	0
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	10	4	4	0	39	0	44

Product Type	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	0	26	0	0	1	31	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	31	0	0	30	19	45	48
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	0	0	38	0	2	52	30

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF
SIR_NOPM1B	0	0	0	0	1	0	0
SIR_NOPM_2	2	35	0	1	1	0	0
SIR_NOPN1B	0	0	0	0	0	0	49
SIR_NOPN_2	35	29	28	14	0	0	0
SIR_NOPR1B	0	0	0	0	0	0	96
SIR NOPR 2	6	38	41	1	0	5	0

Test Description Key:	Test Description Key:						
Abbreviation	Test name	Details					
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter					
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)					
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only					
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RLPTONCDF	RangeLongPeriodTideOceanNetCDF	The Long period tide height should be between -50mm and 50mm (or missing) for surface type = ocean - NetCDF					
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean					
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSAR	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSINN	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					

RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMN CDF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports:

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