

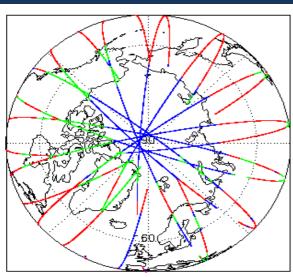
1. Overview

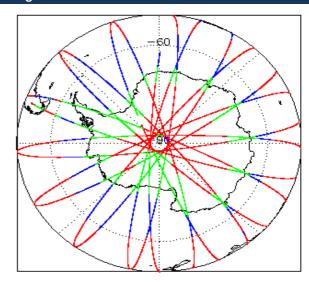
Report Production:	08-Nov-2021
Processor Used:	CryoSat Ocean Processor
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

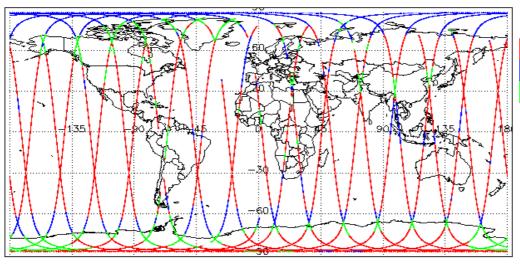
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7
QCC Error/ Warning Check	See Section 7.1 and 7.2

Mission / Instrument News		
05-Nov-2021	None	
06-Nov-2021	None	
07-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:

^

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:

 Product
 Test Failed
 Description

 CS_OFFL_SIR_NOPM1B_20211106T060550_20211106T063725_C001
 Power scaling error
 There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

00

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20211106T042136_20211106T043931_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211106T045528_20211106T045653_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211106T104658_20211106T104916_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211106T141858_20211106T143107_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211106T160540_20211106T161459_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211106T161749_20211106T163125_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211106T210039_20211106T212845_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211106T041706_20211106T041817_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211106T063914_20211106T064103_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211106T091833_20211106T092310_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211106T103704_20211106T103900_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211106T104601_20211106T104657_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211106T140810_20211106T140922_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211106T154553_20211106T154838_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211106T164121_20211106T164725_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211106T172300_20211106T172628_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211106T203659_20211106T204237_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211106T221826_20211106T222001_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211105T235733_20211106T000136_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211106T031610_20211106T032148_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211106T104945_20211106T105733_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211106T114807_20211106T115211_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211106T161513_20211106T161525_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211106T161547_20211106T161748_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211106T164948_20211106T165223_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211106T200302_20211106T200530_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211106T205034_20211106T205137_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211106T205236_20211106T205305_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.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

44

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20211106T042136_20211106T043931_C001	Mean Sea Surface (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), and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20211106T000136_20211106T000300_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_20211106T000809_20211106T001117_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_20211106T014222_20211106T014424_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_20211106T014713_20211106T015240_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_20211106T023805_20211106T024233_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_20211106T032149_20211106T032424_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_20211106T041706_20211106T041817_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_20211106T045331_20211106T045528_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_20211106T045907_20211106T050236_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_20211106T055626_20211106T055704_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_20211106T063914_20211106T064103_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_20211106T064919_20211106T065140_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_20211106T073628_20211106T074052_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_20211106T091833_20211106T092310_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_20211106T095849_20211106T100225_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_20211106T100801_20211106T100916_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_20211106T113811_20211106T114130_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_20211106T122856_20211106T123007_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_20211106T132547_20211106T132654_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_20211106T140810_20211106T140922_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_20211106T150251_20211106T150439_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_20211106T154553_20211106T154838_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_20211106T164121_20211106T164725_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_20211106T172300_20211106T172628_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_20211106T172631_20211106T172721_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_20211106T181157_20211106T181247_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_20211106T181247_20211106T181434_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_20211106T190156_20211106T190544_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_20211106T200145_20211106T200302_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_20211106T203659_20211106T204237_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_20211106T231057_20211106T231223_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_20211106T231742_20211106T232050_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_20211106T052924_20211106T053115_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_20211106T055011_20211106T055626_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_20211106T073151_20211106T073627_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_20211106T091001_20211106T091832_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_20211106T104945_20211106T105733_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_20211106T123007_20211106T123755_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_20211106T140923_20211106T141640_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_20211106T154838_20211106T155557_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_20211106T172721_20211106T173429_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_20211106T190544_20211106T191426_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_20211106T204238_20211106T205018_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20211106T060550_20211106T063725_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (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_20211106T001507_20211106T005003_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_20211106T005006_20211106T005047_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_20211106T010030_20211106T010230_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_20211106T011803_20211106T013539_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_20211106T015451_20211106T021123_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_20211106T021126_20211106T021538_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_20211106T021611_20211106T022906_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_20211106T024233_20211106T030123_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_20211106T030230_20211106T031610_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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Section Color Co	CS_OFFL_SIR_NOPM_2_20211106T032738_20211106T033125_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
See Part P	CS_OFFL_SIR_NOPM_2_20211106T033400_20211106T034843_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Dec	CS_OFFL_SIR_NOPM_2_20211106T035044_20211106T040007_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Security Color C	CS_OFFL_SIR_NOPM_2_20211106T042136_20211106T043931_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Desp. Althree (Props. 2014). The Ocean Althree (Props. 2014). Will are Developed Coulty Flogs have been after the County Flogs of the Ocean Althree (Props. 2014). Will are Developed County Flogs from Props. County Flogs f	CS_OFFL_SIR_NOPM_2_20211106T045528_20211106T045653_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
SQ. DEFL. SIR. NOPM_2_2021100T003194_2021100T003195_0000 CR. DEFL. SIR. NOPM_2_2021100T003197_2021100T003195_0000 CR. DEFL. SIR. NOPM_2_2021100T003197_2021100T003195_0000 CR. DEFL. SIR. NOPM_2_2021100T003197_2021100T004619_0000 CR. DEFL. SIR. NOPM_2_2021100T003309_2021100T004619_0000 CR. DEFL. SIR. NOPM_2_2021100T003309_2021100T007174_COOI CR. DEFL. SIR. NOPM_2_2021100T003309_2021100T003070_COOI CR. DEFR. SIR. NOPM_2_2021100T003309_2021100T00300_COOI CR. DEFR. SIR. NOPM_2_2021100T003309_2021100T00300_COOI CR. DEFR. SIR. NOPM_2_2021100T003000_COOI CR. DEFR. SIR. NOPM_2_2021100T003000_COOI CR. DEFR. SIR. NOPM_2_2021100T003000_COOI CR. DEFR. SIR. NOPM_2_2021100T003000_COOI CR. DEFR. SIR. NOPM_2_2021100T103000_COOI CR. DEFR. SIR. NOPM_2_2021100T1031000_COOI CR. DEFR. SIR. NOPM_2_2021100T10310000_COOI CR.	CS_OFFL_SIR_NOPM_2_20211106T050237_20211106T051027_C001		
SB_OFFL_SIR_NOPM_2_20211106T060550_20211106T06056725_CD01 CB_OFFL_SIR_NOPM_2_20211106T060550_20211106T064739_CD01 CB_OFFL_SIR_NOPM_2_20211106T060550_20211106T064739_CD01 CB_OFFL_SIR_NOPM_2_20211106T065539_20211106T064739_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T064739_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T064739_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T064739_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T064739_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T085739_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T085730_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T085730_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T085730_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T085730_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T085730_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T085730_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T085730_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T085730_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T070487730_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T070487730_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T070487730_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T070487730_CD01 CB_OFFL_SIR_NOPM_2_20211106T0704849_20211106T070487730_CD01 CB_OFFL_SIR_NOPM_2_20211106T070487730_CD01 CB_OFFL_S	CS_OFFL_SIR_NOPM_2_20211106T051343_20211106T052749_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Sc. DFFL_SIR_NOPM_2_20211106T006302_0211106T006375_0001 Sc. DFFL_SIR_NOPM_2_20211106T006339_20211106T007324 C001 Sc. DFFL_SIR_NOPM_2_20211106T006339_2021106T007324 C001 Sc. DFFL_SIR_NOPM_2_20211106T006334_2021106T006753_0001 Sc. DFFL_SIR_NOPM_2_20211106T006334_2021106T006753_0001 Sc. DFFL_SIR_NOPM_2_20211106T006334_2021106T006753_0001 Sc. DFFL_SIR_NOPM_2_20211106T006732_0001 Sc. DFFL_SIR_NOPM_2_2021110	CS_OFFL_SIR_NOPM_2_20211106T060117_20211106T060140_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscater Caulty CS_OFFL_SIR_NOPM_2_20211106T09339_20211106T071724_C001 CS_OFFL_SIR_NOPM_2_20211106T09339_20211106T071734_C001 CS_OFFL_SIR_NOPM_2_20211106T074849_20211106T08159_C001 CS_OFFL_SIR_NOPM_2_20211106T074849_20211106T082740_C001 Backscater Caulty COCCA Altereder Range Caulty, COCCA Altereder Range, SSHA, SWH and Backscater Caulty Village have been set to cocca altereder Range, CSHA, SWH and Backscater Caulty, COCCA Altereder Range Caulty, COCCA Altereder Range, CSHA, SWH and Backscater Caulty Village have been set to core or more records. CS_OFFL_SIR_NOPM_2_20211106T109151_20211106T109151_COCI CAULTY Range Range Caulty, COCCA Altereder Range Caulty, COCCA Altereder Range Caulty, COCCA Altereder Range, SSHA, SWH and Backscater Caulty Village have been set for or or more records. CS_OFFL_SIR_NOPM_2_20211106T101132_20211106T1011442_COCI CAULTY RANGER Caulty, COCCA Altereder Range Caulty, COCCA Altereder Range	CS_OFFL_SIR_NOPM_2_20211106T060550_20211106T063725_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCOGA Alterneter Range and Backscatter Quality Flags have been set to one or more records. CS_OFFL_SIR_NOPM_2_20211106T082243_20211106T082745_C001 CS_OFFL_SIR_NOPM_2_20211106T082243_20211106T082745_C001 CS_OFFL_SIR_NOPM_2_20211106T082243_20211106T08105753_C001 CS_OFFL_SIR_NOPM_2_20211106T082243_20211106T08105753_C001 CS_OFFL_SIR_NOPM_2_20211106T082243_20211106T08105753_C001 CS_OFFL_SIR_NOPM_2_20211106T082243_20211106T08105753_C001 CS_OFFL_SIR_NOPM_2_20211106T082310_20211106T0910570_C001 CS_OFFL_SIR_NOPM_2_20211106T082310_20211106T0910570_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T0910570_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T091055_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T091055_2021106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T091055_2021106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_202	CS_OFFL_SIR_NOPM_2_20211106T064333_20211106T064919_C001		
and Backscatter Quality, OCOD Altimeter Range and Backscatter Quality Flags have been set for one or more roccore. CS_OFFL_SIR_NOPM_2_20211106T082314_20211106T082740_C001 CS_OFFL_SIR_NOPM_2_20211106T082314_20211106T082740_C001 CS_OFFL_SIR_NOPM_2_20211106T082314_20211106T082753_C001 CS_OFFL_SIR_NOPM_2_20211106T082314_20211106T082753_C001 CS_OFFL_SIR_NOPM_2_20211106T080232_20211106T091001 C001 CS_OFFL_SIR_NOPM_2_20211106T09023_20211106T091001 C001 CS_OFFL_SIR_NOPM_2_20211106T09023_20211106T091001 C001 CS_OFFL_SIR_NOPM_2_20211106T09023_20211106T096407 C001 CS_OFFL_SIR_NOPM_2_20211106T09023_20211106T096407 C001 CS_OFFL_SIR_NOPM_2_20211106T10925_20211106T096407 C001 CS_OFFL_SIR_NOPM_2_20211106T10925_20211106T109650 C001 CS_OFFL_SIR_NOPM_2_20211106T1015_2021106T101065_C001 CS_OFFL_SIR_NOPM_2_20211106T1015_2021106T10165_C001 CS_OFFL_SIR_NOPM_2_20211106T10165_2001 CS_OFFL_SIR_NOPM_2_20211106T10165_2001 CS_OFFL_SIR_NOPM_2_20211106T10165_2021106T10165_C001 CS_OFFL_SIR_NOPM_2_20211106T10165_2021106T11665_C001 CS_OFFL_SIR_NOPM_2_20211106T10165_2021106T11665_C001 CS_OFFL_SIR_NOPM_2_20211106T10165_2021106T11665_C001 CS_OFFL_SIR_NOPM_2_20211106T10165_2021106T11665_C001 CS_OFFL_SIR_NOPM_2_20211106T106T1065_C001 CS_OFFL_SIR_NOPM_2_20211106T106T106T106T106T106T106T106T106T10	CS_OFFL_SIR_NOPM_2_20211106T065339_20211106T071724_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20211106T083243_20211106T085753_C001 CS_OFFL_SIR_NOPM_2_20211106T080723_20211106T090101_C001 CS_OFFL_SIR_NOPM_2_20211106T080723_20211106T090101_C001 CS_OFFL_SIR_NOPM_2_20211106T090723_20211106T090101_C001 CS_OFFL_SIR_NOPM_2_20211106T090723_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T100225_20211106T100801_C001 CS_OFFL_SIR_NOPM_2_20211106T100225_20211106T100801_C001 CS_OFFL_SIR_NOPM_2_20211106T10151_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T10140916_C001 CS_OFFL_SIR_NOPM_2_20211106T104988_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T1014888_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T1014888_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T101488_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T101488_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T101488_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T101488_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T101488_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T101488_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T101488_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T101488_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T10148_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T10148_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T10148_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T10148_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106	CS_OFFL_SIR_NOPM_2_20211106T074849_20211106T081619_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20211106T093249_20211106T09501C001 CS_OFFL_SIR_NOPM_2_20211106T090733_20211106T091001C001 CS_OFFL_SIR_NOPM_2_20211106T090733_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_C001 CS_OFFL_SIR_NOPM_2_20211106T100225_20211106T109801_C001 CS_OFFL_SIR_NOPM_2_20211106T101151_20211106T01545_C001 CS_OFFL_SIR_NOPM_2_20211106T104916_C001 CC_OFFL_SIR_NOPM_2_20211106T104916_C001 CC_OFFL_SIR_NOPM_2_20211106T104916_C00	CS_OFFL_SIR_NOPM_2_20211106T082314_20211106T082740_C001		
and the OCOCA Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_NOPM_2_20211106T100225_20211106T100801_C001 CS_OFFL_SIR_NOPM_2_20211106T101151_20211106T101545_C001 CS_OFFL_SIR_NOPM_2_20211106T101151_20211106T101545_C001 CS_OFFL_SIR_NOPM_2_20211106T101151_20211106T101545_C001 CS_OFFL_SIR_NOPM_2_20211106T101658_20211106T101650_C001 CS_OFFL_SIR_NOPM_2_20211106T101658_20211106T10465_C001 CS_OFFL_SIR_NOPM_2_20211106T10168_20211106T10465_C001 CS_OFFL_SIR_NOPM_2_20211106T10168_20211106T113427_C001 CS_OFFL_SIR_NOPM_2_20211106T110168_20211106T113427_C001 CS_OFFL_SIR_NOPM_2_20211106T110168_20211106T113427_C001 CS_OFFL_SIR_NOPM_2_20211106T110168_20211106T114641_C001 CS_OFFL_SIR_NOPM_2_20211106T1161120221_C001 CS_OFFL_SIR_NOPM_2_20211106T11612022_C0011106T11612022_C001 CS_OFFL_SIR_NOPM_2_20211106T11612022_C0011106T11612022_C001 CS_OFFL_SIR_NOPM_2_20211106T11612022_C001 CS_OFFL_SIR_NOPM_2_20211106T11612022_C001 CS_OFFL_SIR_NOPM_2_20211106T11612022_C001 CS_OFFL_SIR_NOPM_2_20211106T11612022_C001 CS_OFFL_SIR_NOPM_2_20211106T11613214_C001 CS_OFFL_SIR_NOPM_2_20211106T136165_C001 CS_OFFL_SIR_NOPM_2_20211106T136165_C001 CS_OFFL_SIR_NOPM_2_2	CS_OFFL_SIR_NOPM_2_20211106T083243_20211106T085753_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_20211106T100225_20211106T100801_C001 CS_OFFL_SIR_NOPM_2_20211106T100225_20211106T101545_C001 CS_OFFL_SIR_NOPM_2_20211106T10151_20211106T101545_C001 CS_OFFL_SIR_NOPM_2_20211106T10151_20211106T101545_C001 CS_OFFL_SIR_NOPM_2_20211106T10151_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T104658_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T10148_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T10148_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T10148_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T10148_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T10148_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_20211106T104916_C001 CS_OFFL_SIR_NOPM_2_2021110	CS_OFFL_SIR_NOPM_2_20211106T090723_20211106T091001_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Cs_OFFL_SIR_NOPM_2_20211106T10151_20211106T101545_C001 Cs_OFFL_SIR_NOPM_2_20211106T10151_20211106T101545_C001 Cs_OFFL_SIR_NOPM_2_20211106T1016T0458_C0011 Cs_OFFL_SIR_NOPM_2_20211106T104658_C0011 Cs_OFFL_SIR_NOPM_2_20211106T104658_C0011106T10461_C001 Cs_OFFL_SIR_NOPM_2_20211106T104658_C0011 Cs_OFFL_SIR_NOPM_2_20211106T104658_C0011106T104648_C001 Cc_OFFL_SIR_NOPM_2_20211106T104658_C0011 Cc_OFFL_SIR_NOPM_2_20211106T10465	CS_OFFL_SIR_NOPM_2_20211106T092310_20211106T095407_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 COCG Altimeter Range and Backscatter Quality Set for one or more records. CS_OFFL_SIR_NOPM_2_20211106T104558_20211106T104916_CO01 CS_OFFL_SIR_NOPM_2_20211106T104588_20211106T104916_CO01 CS_OFFL_SIR_NOPM_2_20211106T110148_20211106T11342T_CO01 CS_OFFL_SIR_NOPM_2_20211106T110148_20211106T11342T_CO01 CS_OFFL_SIR_NOPM_2_20211106T110148_20211106T11342T_CO01 CS_OFFL_SIR_NOPM_2_20211106T111130_20211106T11342T_CO01 CS_OFFL_SIR_NOPM_2_20211106T111130_20211106T1120825_CO01 CS_OFFL_SIR_NOPM_2_20211106T1120825_CO01 CS_OFFL_SIR_NOPM_2_20211106T1122731_CO01 CS_OFFL_SIR_NOPM_2_20211106T1122731_CO01 CS_OFFL_SIR_NOPM_2_20211106T1122731_CO01 CS_OFFL_SIR_NOPM_2_20211106T1122731_CO01 CS_OFFL_SIR_NOPM_2_20211106T1127355_20211106T130221_CO01 CS_OFFL_SIR_NOPM_2_20211106T122735_CO0211106T130221_CO01 CS_OFFL_SIR_NOPM_2_20211106T127355_20211106T130221_CO01 CS_OFFL_SIR_NOPM_2_20211106T13000_20211106T132546_CO01 CS_OFFL_SIR_NOPM_2_20211106T13000_20211106T132546_CO01 CS_OFFL_SIR_NOPM_2_20211106T13054_CO01 CS_OFFL_SIR_NOPM_2_20211106T13054_CO01 CS_OFFL_SIR_NOPM_2_20211106T13054_CO01 CS_OFFL_SIR_NOPM_2_20211106T13054_CO01 CS_OFFL_SIR_NOPM_2_20211106T13000_20211106T13000_CO01 CS_OFFL_SIR_NOPM_2_20211106T13000_20211106T13000_CO01 CS_OFFL_SIR_NOPM_2_20211106T13000_C0011106T131319_CO01 CS_OFFL_SIR_NOPM_2_20211106T13000_C0011106T13000_C0011106T13000_C0011106T13000_C0011106T13000_C0011106T13000_C0011106T13000_C0011106T13000_C0011106T13000_C001106T10000_C001106T	CS_OFFL_SIR_NOPM_2_20211106T100225_20211106T100801_C001		
and Backscatter Quality Flogs have been 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_20211106T110148_20211106T113427_C001 CS_OFFL_SIR_NOPM_2_20211106T110148_20211106T113427_C001 CS_OFFL_SIR_NOPM_2_20211106T114130_20211106T114641_C001 CS_OFFL_SIR_NOPM_2_20211106T115211_20211106T1120825_C001 CS_OFFL_SIR_NOPM_2_20211106T115211_20211106T120825_C001 CS_OFFL_SIR_NOPM_2_20211106T122620_20211106T122731_C001 CS_OFFL_SIR_NOPM_2_20211106T122620_20211106T122731_C001 CS_OFFL_SIR_NOPM_2_20211106T123755_20211106T130300_20211106T131319_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CS_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001 CS_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001 CS_OFFL_SIR_NOPM_2_20211106T132147_20211106T132568_C001 CS_OFFL_SIR_NOPM_2_20211106T132105_20211106T132568_C001 CS_OFFL_SIR_NOPM_2_2021	CS_OFFL_SIR_NOPM_2_20211106T101151_20211106T101545_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 Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211106T114130_20211106T114641_C001 CS_OFFL_SIR_NOPM_2_20211106T115211_20211106T120825_C001 CS_OFFL_SIR_NOPM_2_20211106T115211_20211106T120825_C001 CS_OFFL_SIR_NOPM_2_20211106T122620_20211106T122731_C001 CS_OFFL_SIR_NOPM_2_20211106T122620_20211106T122731_C001 CS_OFFL_SIR_NOPM_2_20211106T123755_20211106T130221_C001 CS_OFFL_SIR_NOPM_2_20211106T123755_20211106T130221_C001 CS_OFFL_SIR_NOPM_2_20211106T123755_20211106T130221_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CCS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CCS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CCS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CCS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CCS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CCS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CCS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CCS_OFFL_SIR_NOPM_2_20211106T130300_20211106T135538_C001 CCS_OFFL_SIR_NOPM_2_20211106T133105_20211106T135538_C001 CCS_OFFL_SIR_NOPM_2_20211106T133105_20211106T135538_C001	CS_OFFL_SIR_NOPM_2_20211106T104658_20211106T104916_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20211106T115211_20211106T120825_C001 CS_OFFL_SIR_NOPM_2_20211106T115211_20211106T120825_C001 CS_OFFL_SIR_NOPM_2_20211106T122620_20211106T122731_C001 CS_OFFL_SIR_NOPM_2_20211106T122620_20211106T122731_C001 CS_OFFL_SIR_NOPM_2_20211106T123755_20211106T130301_2021_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T130301_2021_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T130301_201_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T130301_201_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T130301_201_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T130301_201_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T130301_201_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T130301_201_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T130301_201_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T130300_2011106T13000_2011106T130	CS_OFFL_SIR_NOPM_2_20211106T110148_20211106T113427_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 Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_NOPM_2_20211106T122620_20211106T122731_C001 CS_OFFL_SIR_NOPM_2_20211106T122620_20211106T122731_C001 CS_OFFL_SIR_NOPM_2_20211106T122620_20211106T130221_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T130221_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001 CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T132546_C001 CS_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001 CS_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001 CS_OFFL_SIR_NOPM_2_20211106T133105_20211106T135638_C001 And Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and 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 have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001 CS_OFFL_SIR_NOPM_2_20211106T133105_20211106T135638_C001 CCEAN Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have been set for one or more records. CCEAN Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. CCEAN Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. CCEAN Altimeter Range Range Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCEAN Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCEAN Altimeter Range	CS_OFFL_SIR_NOPM_2_20211106T114130_20211106T114641_C001		
CS_OFFL_SIR_NOPM_2_20211106T122620_20211106T122731_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Cs_OFFL_SIR_NOPM_2_20211106T123755_20211106T130221_C001 Cs_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001 Cs_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001 Cs_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001 Cs_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001 Cs_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001 Cs_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001 Cs_OFFL_SIR_NOPM_2_20211106T133105_20211106T135638_C001 Altimeter Range and Backscatter Quality, OCOG Backscatter Quality	CS_OFFL_SIR_NOPM_2_20211106T115211_20211106T120825_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20211106T133755_20211106T130221_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Cs_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001 Cs_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001 Cs_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001 Cs_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001 Cs_OFFL_SIR_NOPM_2_20211106T132147_20211106T135638_C001 Cs_OFFL_SIR_NOPM_2_20211106T133105_20211106T135638_C001 Altimeter Range and Backscatter Quality, OCOG	CS_OFFL_SIR_NOPM_2_20211106T122620_20211106T122731_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001 CS_OFFL_SIR_NOPM_2_20211106T132147_20211106T135638_C001 Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Coean Altimeter Range, SSHA, SWH And Backscatter Quality Flags 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 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_20211106T123755_20211106T130221_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20211106T130300_20211106T131319_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20211106T133105_20211106T135638_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20211106T132147_20211106T132546_C001		
	CS_OFFL_SIR_NOPM_2_20211106T133105_20211106T135638_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_NOPM_2_20211106T141858_20211106T143107_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211106T143549_20211106T143733_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_20211106T143738_20211106T144903_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_20211106T144934_20211106T145235_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_20211106T151128_20211106T152404_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_20211106T152618_20211106T154509_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_20211106T160540_20211106T161459_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_20211106T161749_20211106T163125_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_20211106T163437_20211106T163942_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_20211106T170753_20211106T170956_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_20211106T171119_20211106T171509_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_20211106T171954_20211106T172210_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_20211106T175445_20211106T181027_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_20211106T181435_20211106T181859_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_20211106T181920_20211106T182058_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_20211106T182631_20211106T184949_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_20211106T192525_20211106T194923_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_20211106T195253_20211106T195814_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_20211106T200530_20211106T203218_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_20211106T203344_20211106T203659_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_20211106T210039_20211106T212845_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_20211106T213242_20211106T214052_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_20211106T214621_20211106T221826_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_20211106T223031_20211106T223234_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_20211106T230216_20211106T230645_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_20211106T231223_20211106T231742_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_20211106T232502_20211106T234551_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_20211106T234837_20211107T000023_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_20211106T104601_20211106T104657_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_20211106T160155_20211106T160420_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_20211106T213118_20211106T213242_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_20211106T214052_20211106T214207_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_20211106T231057_20211106T231223_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211106T053127_20211106T053159_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211106T164726_20211106T164730_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211106T171509_20211106T171525_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211106T230003_20211106T230215_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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20211106T014713_20211106T015240_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_20211106T023805_20211106T024233_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_20211106T033125_20211106T033305_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_20211106T040007_20211106T040310_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_20211106T043931_20211106T044533_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_20211106T045331_20211106T045528_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_20211106T051028_20211106T051215_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_20211106T053711_20211106T054106_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_20211106T060426_20211106T060550_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_20211106T063914_20211106T064103_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_20211106T064315_20211106T064333_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_20211106T071724_20211106T072107_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_20211106T073628_20211106T074052_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_20211106T074132_20211106T074255_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_20211106T074604_20211106T074849_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_20211106T081847_20211106T082027_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_20211106T091833_20211106T092310_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_20211106T095849_20211106T100225_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_20211106T100801_20211106T100916_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_20211106T102501_20211106T102618_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_20211106T104916_20211106T104945_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_20211106T105733_20211106T105910_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_20211106T110003_20211106T110147_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_20211106T113811_20211106T114130_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_20211106T114642_20211106T114806_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_20211106T120825_20211106T121139_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_20211106T122856_20211106T123007_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_20211106T131524_20211106T131856_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_20211106T140810_20211106T140922_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_20211106T145331_20211106T145511_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_20211106T150251_20211106T150439_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_20211106T160155_20211106T160420_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_20211106T163251_20211106T163437_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_20211106T164121_20211106T164725_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_20211106T171831_20211106T171954_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_20211106T172300_20211106T172628_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_20211106T172631_20211106T172721_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_20211106T174353_20211106T174658_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_20211106T181157_20211106T181247_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_20211106T181247_20211106T181434_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_20211106T185953_20211106T190115_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_20211106T190156_20211106T190544_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_20211106T191538_20211106T191707_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_20211106T203659_20211106T204237_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_20211106T205147_20211106T205236_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_20211106T213118_20211106T213242_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_20211106T221826_20211106T222001_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_20211106T222037_20211106T222211_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_20211106T223408_20211106T223530_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_20211106T224040_20211106T224243_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_20211106T231057_20211106T231223_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_20211106T001117_20211106T001507_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_20211106T010230_20211106T011246_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_20211106T013539_20211106T014222_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_20211106T033305_20211106T033400_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_20211106T034843_20211106T035044_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_20211106T052749_20211106T052920_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_20211106T052924_20211106T053115_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_20211106T053127_20211106T053159_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_20211106T053159_20211106T053605_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_20211106T055011_20211106T055626_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_20211106T063726_20211106T063913_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_20211106T065140_20211106T065338_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_20211106T073151_20211106T073627_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_20211106T081619_20211106T081847_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_20211106T091001_20211106T091832_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_20211106T095408_20211106T095848_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_20211106T101545_20211106T101930_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_20211106T104240_20211106T104601_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_20211106T104945_20211106T105733_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_20211106T113427_20211106T113811_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_20211106T114807_20211106T115211_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_20211106T122731_20211106T122856_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_20211106T123007_20211106T123755_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_20211106T132654_20211106T133105_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_20211106T140923_20211106T141640_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH 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_20211106T150440_20211106T151128_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211106T152405_20211106T152537_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_20211106T154509_20211106T154553_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_20211106T154838_20211106T155557_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_20211106T161547_20211106T161748_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_20211106T172721_20211106T173429_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_20211106T174814_20211106T175445_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_20211106T182408_20211106T182630_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_20211106T190544_20211106T191426_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_20211106T204238_20211106T205018_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_20211106T205337_20211106T205437_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_20211106T212845_20211106T213118_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_20211106T214207_20211106T214621_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_20211106T222021_20211106T222036_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_20211106T223337_20211106T223407_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_20211106T230645_20211106T231057_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_20211106T232050_20211106T232502_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)		

L2 Quality Flags (1 Hz & 1Hz PLRM)

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.

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.

140

Number of products with errors:

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	181	181	1	180	0
SIR_NOPR1B	95	95	0	95	0
SIR_NOPN1B	103	103	4	99	0
SIR_NOPM_2	181	181	127	54	0
SIR_NOPR_2	95	95	30	64	1
SIR NOPN 2	103	103	36	67	0

7.1 QCC Errors

Number of QCC reports with errors:

Product Type RLOBOPNCDF RL RLOBOPNCDF RL

4

Total number of occurrences of each error

SIR_NOPR_2	1	1	1	1				

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

7.2 QCC Warnings

Number of QCC reports with warnings

1795

Total number of occurrences of each warning

	Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
Ī	SIR_NOPM1B	180	0	0	0	0	0	0
	SIR_NOPM_2	0	0	44	41	1	43	0
	SIR_NOPN1B	97	0	0	0	0	0	0
	SIR_NOPN_2	0	0	11	34	2	26	31
	SIR_NOPR1B	93	0	0	0	0	0	0
	SIR NOPR 2	0	1	38	45	0	34	33

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCE	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	35	38	0	0	0	0	29
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	24	0	0	26	0	34	0
SIR_NOPR1B	0	0	0	0	0	0	0
SIR NOPR 2	18	0	45	0	47	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	0	0	2	31	0	6	39
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	28	16	48	58	35	32
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	46	0	4	58	35	9	37

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	•
SIR_NOPM1B	0	0	0	0	0	0	
SIR_NOPM_2	0	2	0	0	0	0	
SIR_NOPN1B	0	0	0	0	51	0	
SIR_NOPN_2	34	18	0	0	0	0	
SIR_NOPR1B	0	0	1	0	95	7	
SIR NOPR 2	46	3	0	4	0	0	

Test Description Key:							
Abbreviation	Test name	Details					
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter					
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)					
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only					
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
	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
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_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
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0