



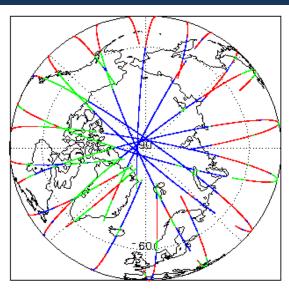
1. Overview

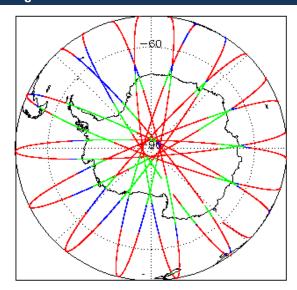
Report Production:	17-Jan-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

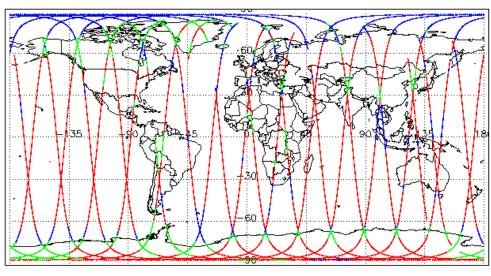
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement 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

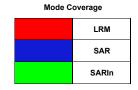
Mission / Instr	ument News
13-Jan-2022	None
14-Jan-2022	None
15-Jan-2022	Nothing planned

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 & 2

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

Λ

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

 Product
 Test Failed
 Description

 CS_OFFL_SIR_NOPM1B_20220114T011022_20220114T011242_C001
 Power scaling error
 There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

19

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20220114T012114_20220114T012222_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20220114T235854_20220115T000441_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220114T004523_20220114T004749_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220114T012222_20220114T012533_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220114T022441_20220114T022622_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220114T045258_20220114T045552_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220114T054333_20220114T054902_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220114T071420_20220114T071518_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220114T120847_20220114T121408_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220114T130653_20220114T131307_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220114T134856_20220114T135256_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220114T203922_20220114T204044_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220114T235201_20220114T235321_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220114T022419_20220114T022441_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220114T071518_20220114T072305_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220114T085529_20220114T090533_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220114T113010_20220114T113713_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220114T180740_20220114T181016_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220114T190529_20220114T190611_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

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:

Ο

5.4 L2 Auxiliary Correction Error Check

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

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

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Corection, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update.

- > Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

Deadust	Test Esiled	Description
Product	Test Failed Mean Sea Surface (1), Mean Dynamic	Description There is an error with the MSS height (solution 1), the Mean Dynamic
CS_OFFL_SIR_NOPM_2_20220114T153943_20220114T154235_C001	Topography (1), Total Geocentric Ocean Tide (GOT)	Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20220114T004234_20220114T004347_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_20220114T012012_20220114T012114_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_20220114T012222_20220114T012533_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_20220114T022157_20220114T022419_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20220114T030438_20220114T030626_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_20220114T040142_20220114T040616_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_20220114T044417_20220114T044555_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_20220114T062411_20220114T062754_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_20220114T080342_20220114T080700_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_20220114T081212_20220114T081337_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_20220114T085434_20220114T085529_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_20220114T095121_20220114T095228_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_20220114T103338_20220114T103454_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20220114T120847_20220114T121408_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_20220114T130653_20220114T131307_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_20220114T134856_20220114T135256_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_20220114T144617_20220114T144935_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_20220114T152730_20220114T153047_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_20220114T170200_20220114T170812_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_20220114T180622_20220114T180739_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_20220114T190611_20220114T190812_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_20220114T194313_20220114T194623_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_20220114T203922_20220114T204044_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20220114T211606_20220114T211728_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_20220114T212213_20220114T212541_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_20220114T225651_20220114T225926_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_20220114T235201_20220114T235321_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20220114T235636_20220114T235853_C001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_NOPR_2_20220114T035723_20220114T040142_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_20220114T053432_20220114T054333_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_20220114T071518_20220114T072305_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_20220114T085529_20220114T090533_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_20220114T103454_20220114T104214_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_20220114T121408_20220114T121927_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_20220114T131608_20220114T131912_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_20220114T135257_20220114T135628_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_20220114T135628_20220114T135956_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_20220114T153120_20220114T153943_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_20220114T170813_20220114T171712_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_20220114T185856_20220114T190048_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_20220114T190530_20220114T190611_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:

- 1

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20220114T011022_20220114T011242_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

89

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20220113T235835_20220114T001416_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_20220114T001618_20220114T002540_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_20220114T003018_20220114T003022_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_20220114T004347_20220114T004522_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_20220114T005302_20220114T010458_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_20220114T012114_20220114T012222_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_20220114T012816_20220114T013119_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_20220114T013124_20220114T013557_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_20220114T013811_20220114T015247_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_20220114T020137_20220114T020242_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_20220114T020511_20220114T020514_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_20220114T023116_20220114T023827_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_20220114T023928_20220114T030357_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_20220114T030630_20220114T031455_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_20220114T031726_20220114T034318_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_20220114T041427_20220114T044210_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_20220114T044842_20220114T045258_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_20220114T045618_20220114T052410_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_20220114T052415_20220114T052604_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_20220114T054902_20220114T062126_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_20220114T062755_20220114T063337_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_20220114T063506_20220114T064119_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_20220114T072700_20220114T080118_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_20220114T080700_20220114T081212_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_20220114T081409_20220114T083345_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_20220114T090533_20220114T093926_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_20220114T094452_20220114T094700_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_20220114T094707_20220114T095120_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_20220114T095314_20220114T095415_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_20220114T095447_20220114T102049_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_20220114T103214_20220114T103338_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_20220114T104332_20220114T104342_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_20220114T104823_20220114T105636_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_20220114T110116_20220114T110304_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_20220114T110340_20220114T111153_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_20220114T111342_20220114T111901_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_20220114T112039_20220114T112600_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_20220114T113713_20220114T114936_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_20220114T115129_20220114T120005_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_20220114T120132_20220114T120511_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_20220114T120537_20220114T120847_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_20220114T122256_20220114T122258_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_20220114T123107_20220114T124037_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_20220114T124239_20220114T124956_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_20220114T125110_20220114T125755_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_20220114T130006_20220114T130501_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_20220114T130536_20220114T130653_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_20220114T131307_20220114T131608_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_20220114T141004_20220114T141009_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_20220114T142059_20220114T143704_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_20220114T143949_20220114T144429_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_20220114T145043_20220114T151427_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_20220114T151431_20220114T152523_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_20220114T155030_20220114T161646_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_20220114T161920_20220114T162330_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_20220114T162334_20220114T162344_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_20220114T162350_20220114T162715_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_20220114T162942_20220114T165714_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_20220114T172552_20220114T172826_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_20220114T173417_20220114T175626_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_20220114T175804_20220114T180245_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_20220114T181016_20220114T184409_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_20220114T185704_20220114T185856_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_20220114T192315_20220114T192654_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_20220114T193258_20220114T193552_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_20220114T193751_20220114T194313_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_20220114T194901_20220114T201121_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_20220114T201407_20220114T202323_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_20220114T203548_20220114T203922_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_20220114T205524_20220114T210013_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_20220114T210201_20220114T211517_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_20220114T211729_20220114T212213_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_20220114T212826_20220114T213429_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_20220114T213438_20220114T220033_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_20220114T222108_20220114T222523_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_20220114T222654_20220114T224951_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_20220114T230755_20220114T231423_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_20220114T233023_20220114T233741_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_20220114T235321_20220114T235636_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_20220114T235853_20220115T000441_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_20220114T083345_20220114T083704_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_20220114T135956_20220114T140004_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_20220114T162344_20220114T162350_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_20220114T035317_20220114T035538_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_20220114T035723_20220114T040142_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_20220114T070151_20220114T070232_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_20220114T185856_20220114T190048_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_20220114T211518_20220114T211606_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_20220114T234454_20220114T234513_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

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Number of products with errors:

Product Test Failed Description OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20220114T002540_20220114T002904_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20220114T004523_20220114T004749_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20220114T010458_20220114T011022_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20220114T012536_20220114T012815_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20220114T013557_20220114T013742_C001 OCOG Backscatter Quality more records 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 and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_NOPN_2_20220114T022157_20220114T022419_C001 Altimeter Range and Backscatter Quality set for one or more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS OFFL SIR NOPN 2 20220114T022441 20220114T022622 C001 Altimeter Range and Backscatter Quality set for one or more records 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 and Backscatter Quality PLRM, OCOG CS OFFL SIR NOPN 2 20220114T035655 20220114T035723 C001 Altimeter Range and Backscatter Quality set for one or more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS OFFL SIR NOPN 2 20220114T040142 20220114T040616 C001 Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR NOPN 2 20220114T040700 20220114T040822 C001 OCOG Backscatter Quality more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS OFFL SIR NOPN 2 20220114T044417 20220114T044555 C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records PLRM Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS OFFL SIR NOPN 2 20220114T045258 20220114T045552 C001 Altimeter Range and Backscatter Quality et for one or more records PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR NOPN 2 20220114T054333 20220114T054902 C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR NOPN 2 20220114T065031 20220114T065405 C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR NOPN 2 20220114T072511 20220114T072700 C001 OCOG Backscatter Quality nore records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR NOPN 2 20220114T081212 20220114T081337 C001 OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20220114T094058_20220114T094452_C001 OCOG Backscatter Quality more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_NOPN_2_20220114T103018_20220114T103214_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records PLRM OCOG Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20220114T112827_20220114T113010_C001 OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG CS OFFL SIR NOPN 2 20220114T120847 20220114T121408 C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records PI RM The OCOG Range and Backscatter Quality Flags have been set for one or OCOG Altimeter Range Quality PLRM, CS_OFFL_SIR_NOPN_2_20220114T122700_20220114T123106_C001 OCOG Backscatter Quality more records Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPN_2_20220114T130653_20220114T131307_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records PLRM The OCOG Range and Backscatter Quality Flags have been set for one or OCOG Altimeter Range Quality PLRM, CS_OFFL_SIR_NOPN_2_20220114T132502_20220114T133014_C001 OCOG Backscatter Quality more records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20220114T134402_20220114T134524_C001 OCOG Backscatter Quality more records

00 CPM_SIR_HOPPL_2.202814713449_202014713489_CODE 00 CPM_SIR_HOPPL_2.202814713449_202014713589_CODE 00 CPM_SIR_HOPPL_2.202814713449_202014713589_CODE 00 CPM_SIR_HOPPL_2.202814713459_202014713589_CODE 00 CPM_SIR_HOPPL_2.202814713459_202014713589_CODE 00 CPM_SIR_HOPPL_2.202814713459_CODE 00 CPM_SIR_HOPPL_2.202814713459_CODE 00 CPM_SIR_HOPPL_2.202814713599_CODE 00 CP			
Description	CS_OFFL_SIR_NOPN_2_20220114T134748_20220114T134816_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFLER_NORM_2_2022114T17630_20223114T17630_20223114T17630_2033114T17630_2033114T176	CS_OFFL_SIR_NOPN_2_20220114T134856_20220114T135256_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CR_OFFL_SR_NOPPL_20020114T19293_2000114T19293_CODI CR_OFFL_SR_NOPPL_20020114T19293_CODI114T19293_CODI CR_OFFL_SR_NOPPL_2	CS_OFFL_SIR_NOPN_2_20220114T152730_20220114T153047_C001		
CS_OFFL_SR_NORM_2_2020114119628_5020141119638_0001 CS_OFFL_SR_NORM_2_2020114119628_502014119638_0001 CS_OFFL_SR_NORM_2_2020114119638_502014119638_0001 CS_OFFL_SR_NORM_2_2020114119638_500014119638_00014119638	CS_OFFL_SIR_NOPN_2_20220114T170200_20220114T170812_C001		
CR_DPF_SR_NOPN_2_9220114110931_2020114110931_2001 CR_DPF_SR_NOPN_2	CS_OFFL_SIR_NOPN_2_20220114T171712_20220114T171741_C001		
CS_OFFL_SIR_NOPN_2_20220114T19453_20220114T19453_C0001 CS_OFFL_SIR_NOPN_2_20220114T295003_D0201147211705_C001 CS_OFFL_SIR_NOPN_2_20220114T295003_D0201147211705_C001 CS_OFFL_SIR_NOPN_2_20220114T295003_D020114T29550_C001 CS_OFFL_SIR_NOPN_2_20220114T295003_20220114T29550_C001 CS_OFFL_SIR_NOPN_2_20220114T295003_20220114T295003_C001 CS_OFFL_SIR_NOPN_2_20220114T095013_20220114T09503_C001 CS_OFFL_SIR_NOPR_2_20220114T095013_20220114T09503_C001 CS_OFFL_SIR_NOPR_2_20220114T095013_20220114T09503_C001 CS_OFFL_SIR_NOPR_2_20220114T09502_20220114T09503_C001 CS_OFFL_SIR_NOPR_2_20220114T09503_20220114T09503_C001 CS_OFFL_SIR_NOPR_2_20220114T09503_20220114T09503	CS_OFFL_SIR_NOPN_2_20220114T175640_20220114T175804_C001		
CS_OFFL_SIR_NOPH_2_202201141109103_02201141109104_00001 CS_OFFL_SIR_NOPH_2_202201141109103_02201141109104_00001 CS_OFFL_SIR_NOPH_2_202201141109103_02201141109104_0001 CS_OFFL_SIR_NOPH_2_202201141109103_02201141109104_0001 CS_OFFL_SIR_NOPH_2_202201141109103_0220114120114109104_0001 CS_OFFL_SIR_NOPH_2_202201141109104_000101 CS_OFFL_SIR_NOPH_2_202201141109103_0000010141201172000001 CS_OFFL_SIR_NOPH_2_202201141109103_0000010141201172000001 CS_OFFL_SIR_NOPH_2_202201141109103_0000010141201172000001 CS_OFFL_SIR_NOPH_2_202201141109103_0000010141201172000001 CS_OFFL_SIR_NOPH_2_202201141109103_000001014100000000000000000000000000	CS_OFFL_SIR_NOPN_2_20220114T180245_20220114T180249_C001		
OCCS Alternater Range Quality PLRM. OCCS Backscaster Quality The OCOS Range and Backscaster Quality Flags have been set for one or more records OCS Alternater Range Quality PLRM. OCCS Backscaster Quality The OCOS Range and Backscaster Quality Flags have been set for one or more records OCCS Alternater Range Quality PLRM. OCCS Backscaster Quality The OCOS Range and Backscaster Quality Flags have been set for one or more records OCCS Alternater Range Quality PLRM. OCCS Backscaster Quality The OCOS Range and Backscaster Quality Flags have been set for one or more records OCCS Alternater Range Quality PLRM. OCCS Backscaster Quality The OCOS Range and Backscaster Quality Flags have been set for one or more records OCCS Alternater Range Quality PLRM. OCCS Backscaster Quality The OCOS Range and Backscaster Quality Flags have been set for one or more records OCCS Backscaster Quality The OCOS Range and Backscaster Quality Flags have been set for one or more records OCCS Backscaster Quality The OCOS Range and Backscaster Quality Flags have been set for one or more records OCCS Backscaster Quality Flags flavor been set for one or more records OCCS Backscaster Quality Flags flavor been set for one or more records OCCS Alternater Range, SIMA, SIMI and Backscaster Quality Flags flavor been set for one or more records OCCS Alternater Range, SIMA, SIMI and Backscaster Quality Flags flavor been set for one or more records OCCS Alternater Range, SIMA, SIMI and Backscaster Quality Flags flavor been set for one or more records OCCS Alternater Range and Backscaster Quality Flags flavor been set for one or more records OCCS Alternater Range and Backscaster Quality Flags flavor been set for one or more records OCCS Alternater Range, SIMA, SIMI and Backscaster Quality Flags flavor been set for one or more records OCCS Alternater Range, SIMA, SIMI and Backscaster Quality Flags flavor been set for one or more records OCCS Alternater Range, SIMA, SIMI and Backscaster Quality Flags flavor been set for one or more records	CS_OFFL_SIR_NOPN_2_20220114T184410_20220114T184535_C001		
OCOS Backscater Cuality CS_OFFL_SIR_NOPN_2_20220114T194513_20220114T196623_C001 CS_OFFL_SIR_NOPN_2_20220114T29503_20220114T295294_C001 CS_OFFL_SIR_NOPN_2_20220114T29503_20220114T295294_C001 CS_OFFL_SIR_NOPN_2_20220114T29503_20220114T295294_C001 CS_OFFL_SIR_NOPN_2_20220114T29503_20220114T295294_C001 CS_OFFL_SIR_NOPN_2_20220114T29503_20220114T295294_C001 CS_OFFL_SIR_NOPN_2_20220114T29503_20220114T29503_C001 CS_OFFL_SIR_NOPN_2_20220114T29503_20220114T29503_C001 CS_OFFL_SIR_NOPN_2_20220114T29503_20220114T29503_C001 CS_OFFL_SIR_NOPN_2_20220114T29503_20220114T29503_C001 CS_OFFL_SIR_NOPN_2_20220114T29503_20220114T095032_C001 CS_OFFL_SIR_NOPR_2_20220114T095032_20220114T095032_C001 CS_OFFL_SIR_NOPR_2_20220114T095032_20220114T095033_C001 CCS_OFFL_SIR_NOPR_2_20220114T095032_2022	CS_OFFL_SIR_NOPN_2_20220114T192153_20220114T192315_C001		
OCOG Battocaster Quality CS_OFFL_SIR_NOPN_2_20220114T205203_20220114T205254_C0011 CS_OFFL_SIR_NOPN_2_20220114T201006_20220114T211728_C0011 CS_OFFL_SIR_NOPN_2_20220114T201006_20220114T211728_C0011 CS_OFFL_SIR_NOPN_2_20220114T221740_20220114T221851_C0011 CS_OFFL_SIR_NOPN_2_20220114T221740_20220114T221851_C0011 CS_OFFL_SIR_NOPN_2_20220114T225535_20220114T225553_C0012 CS_OFFL_SIR_NOPN_2_20220114T225535_20220114T225535_20220114T027279_C0011 CS_OFFL_SIR_NOPN_2_20220114T225535_20220114T027279_C0011 CS_OFFL_SIR_NOPR_2_20220114T02573_20220114T027279_C0011 CS_OFFL_SIR_NOPR_2_20220114T02573_20220114T022730_C0011 CS_OFFL_SIR_NOPR_2_20220114T02573_20220114T022730_C0011 CS_OFFL_SIR_NOPR_2_20220114T02573_20220114T025730_C0011 CS_OFFL_SIR_NOPR_2_20220114T02573_20220114T05433_C0011 CS_OFFL_SIR_NOPR_2_20220114T02573_20220114T05433_C0011 CS_OFFL_SIR_NOPR_2_20220114T05433_20220114T05433_C0011 CS_OFFL_SIR_NOPR_2_20220114T05433_20220114T05433_C0011 CS_OFFL_SIR_NOPR_2_20220114T05433_20220114T05433_C0011 CS_OFFL_SIR_NOPR_2_20220114T05433_20220114T05433_C0011 CS_OFFL_SIR_NOPR_2_20220114T05433_20220114T05433_C0011 CCS_OFFL_SIR_NOPR_2_20220114T05433_20220114T05433_C0011 CCS_OFFL_SIR_NOPR_2_20220114T05433_20220114T05433_C0011 CCS_OFFL_SIR_NOPR_2_20220114T05433_20220114T05433_C0011 CCS_OFFL_SIR_NOPR_2_20220114T05433_20220114T05433_C0011 CCS_OFFL_SIR_NOPR_2_20220114T05433_20220114T05433_C0011 CCS_OFFL	CS_OFFL_SIR_NOPN_2_20220114T193624_20220114T193750_C001		
CS_OFFL_SIR_NOPR_2_20220114T021545_20220114T022730_0001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022730_0001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022730_0001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022730_0001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022730_0001 CS_OFFL_SIR_NOPR_2_20220114T020732_20220114T022730_0001 CS_OFFL_SIR_NOPR_2_20220114T002734_20220114T022730_0001 CS_OFFL_SIR_NOPR_2_20220114T002734_20220114T002411_0001 CS_OFFL_SIR_NOPR_2_20220114T002734_20220114T002411_0001 CS_OFFL_SIR_NOPR_2_20220114T002734_20220114T002411_0001 CS_OFFL_SIR_NOPR_2_20220114T002127_20020114T004117_0001 CS_OFFL_SIR_NOPR_2_20220114T00417_200200114T004117_0001 CS_OFFL_SIR_NOPR_2_20220114T00417_200200114T004057_0001 CCS_OFFL_SIR_NOPR_2_20220114T004057_20020114T004057_0001 CCS_OFFL_SIR_NOPR_2_20220114T004057_20020114T004057_0001 CCS_OFFL_SIR_NOPR_2_20220114T004057_20020114T004057_0001 CCS_OFFL_SIR_NOPR_2_20220114T004057_20020114T004057_0001 CCS_OFFL_SIR_NOPR_2_20220114T004057_0001 CCS_OFFL_SIR_NOPR_2_20220114T004057_0001 CCS_OFFL_SIR_NOPR_2_20220114T004057_0001 CCS_OFFL_SIR_NOPR_2_20220114T004057	CS_OFFL_SIR_NOPN_2_20220114T194313_20220114T194623_C001		
CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022735_C001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022735_C001 CS_OFFL_SIR_NOPR_2_20220114T02273_20220114T022735_C001 CS_OFFL_SIR_NOPR_2_20220114T02273_20220114T022735_C001 CS_OFFL_SIR_NOPR_2_20220114T027735_20220114T022735_C001 CS_OFFL_SIR_NOPR_2_20220114T027735_C001 CS_OFFL_SIR_NOPR_2_20220114T027735_C001 CS_OFFL_SIR_NOPR_2_20220114T027735_C001 CS_OFFL_SIR_NOPR_2_20220114T027735_C001 CS_OFFL_SIR_NOPR_2_20220114T027735_C001 CS_OFFL_SIR_NOPR_2_20220114T027735_C001 CS_OFFL_SIR_NOPR_2_20220114T027735_C001 CS_OFFL_SIR_NOPR_2_20220114T027735_C001 CS_OFFL_SIR_NOPR_2_20220114T02773_C001 CS_OFFL_SIR_NOPR_2_20220114T02773_C001 CS_OFFL_SIR_NOPR_2_20220114T02773_C001 CS_OFFL_SIR_NOPR_2_20220114T02773_C001 CS_OFFL_SIR_NOPR_2_20220114T02773_C001 CS_OFFL_SIR_NOPR_2_20220114T02773_C001 CS_OFFL_SIR_NOPR_2_20220114T02773_C001 CS_OFFL_SIR_NOPR_2_20220114T02773_C001 CS_OFFL_SIR_NOPR_2_20220114T07077735_C001 CS_OFFL_SIR_NOPR_2_20220114T07077735_C001 CS_OFFL_SIR_NOPR_2_20220114T07077735_C001 CS_OFFL_SIR_NOPR_2_20220114T07077777777777777777777777777777777	CS_OFFL_SIR_NOPN_2_20220114T205203_20220114T205254_C001		
CS_OFFL_SIR_NOPR_2_20220114T021740_20220114T02353_C001 Allmeter Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220114T02518_20220114T005302_C001 CS_OFFL_SIR_NOPR_2_20220114T005302_C001 CS_OFFL_SIR_NOPR_2_20220114T005303_C001 CS_OFFL_SIR_NOPR_2_20220114T005303_C	CS_OFFL_SIR_NOPN_2_20220114T211606_20220114T211728_C001		
and Backscatter Quality PLRM. COCG Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_NOPR_2_20220114T005018_20220114T005302_C001 CS_OFFL_SIR_NOPR_2_20220114T021545_20220114T005302_C001 CS_OFFL_SIR_NOPR_2_20220114T021545_20220114T021729_C001 CS_OFFL_SIR_NOPR_2_20220114T021545_20220114T021729_C001 CS_OFFL_SIR_NOPR_2_20220114T022622_20220114T022730_C001 CS_OFFL_SIR_NOPR_2_20220114T022622_20220114T022730_C001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022730_C001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T024333_C001 CS_OFFL_SIR_NOPR_2_20220114T024734_20220114T024333_C001 CS_OFFL_SIR_NOPR_2_20220114T024734_20220114T024333_C001 CS_OFFL_SIR_NOPR_2_20220114T024734_20220114T0245433_C001 CS_OFFL_SIR_NOPR_2_20220114T024734_20220114T024545_C001 CS_OFFL_SIR_NOPR_2_20220114T024545_C001 CS_OFFL_SIR_NOPR_2_20220114T024545_C001 CS_OFFL_SIR_NOPR_2_20220114T02455_C001 CS_OFFL_SIR	CS_OFFL_SIR_NOPN_2_20220114T221740_20220114T221831_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCG Backscatter Quality CS_OFFL_SIR_NOPR_2_20220114T021545_20220114T021729_C001 CS_OFFL_SIR_NOPR_2_20220114T022622_20220114T022730_C001 CS_OFFL_SIR_NOPR_2_20220114T022622_20220114T022730_C001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022730_C001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022730_C001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022730_C001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022953_C001 CS_OFFL_SIR_NOPR_2_20220114T054333_C001 CS_OFFL_SIR_NOPR_2_20220114T054332_20220114T054333_C001 CS_OFFL_SIR_NOPR_2_20220114T054332_20220114T054333_C001 CS_OFFL_SIR_NOPR_2_20220114T0543432_20220114T054333_C001 CS_OFFL_SIR_NOPR_2_20220114T0543432_20220114T070945_C001 CS_OFFL_SIR_NOPR_2_20220114T070829_20220114T070945_C001 CS_OFFL_SIR_NOPR_2_20220114T070849_20220114T07135_C001 CS_OFFL_SIR_NOPR_2_20220114T070849_20220114T07135_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T07518_20220114T079305_C001 CS_OFFL_SIR_NOPR_2_20220114T07518_20220114T079305_C001 CS_OFFL_SIR_NOPR_2_20220114T07518_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T079549_20220114T079305_C001 CS_OFFL_SIR_NOPR_2_20220114T079549_20220114T079305_C001 CS_OFFL_SIR_NOPR_2_20220114T079549_20220114T079305_C001 CS_OFFL_SIR_NOPR_2_20220114T079549_20220114T079305_C001 CS_OFFL_SIR_NOPR_2_20220114T079549_20220114T079305_C001 CS_OFFL_SIR_NOPR_2_20220114T079549_20220114T079305_C001 CS_OFFL_SIR_NOPR_2_20220114T079549_	CS_OFFL_SIR_NOPN_2_20220114T235636_20220114T235853_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022730_C001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022953_C001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022953_C001 CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022953_C001 CS_OFFL_SIR_NOPR_2_20220114T053432_20220114T054333_C001 CS_OFFL_SIR_NOPR_2_20220114T053432_20220114T062411_C001 CS_OFFL_SIR_NOPR_2_20220114T062127_20220114T062411_C001 CS_OFFL_SIR_NOPR_2_20220114T070829_20220114T070945_C001 CS_OFFL_SIR_NOPR_2_20220114T070829_20220114T071135_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T0755529_20220114T09533_C001 CS_OFFL_SIR_NOPR_2_20220114T075559_20220114T09533_C001 CS_OFFL_SIR_NOPR_2_20220114T075559_20220114T09533_C001 CS_OFFL_SIR_NOPR_2_20220114T075559_20220114T09533_C001 CS_OFFL_SIR_NOPR_2_20220114T075559_20220114T09533_C001 CS_OFFL_SIR_NOPR_2_20220114T075559_20220114T09533_C001 CS_OFFL_SIR_NOPR_2_20220114T075589_20220114T09533_C001 CS_OFFL_SIR_NOPR_2_20220114T075589_20220114T09533_C001 CS_OFFL_SIR_NOPR_2_20220114T075589_20220114T09533_C001 CS_OFFL_SIR_NOPR_2_20220114T075589_20220114T09533_C001 CS_OFFL_SIR_NOPR_2_20220114T075589_20220114T09533_C001 CS_OFFL_SIR_NOPR_2_20220114T09553_C001 CS_OFFL_SIR_NOPR_2_	CS_OFFL_SIR_NOPR_2_20220114T005018_20220114T005302_C001		
CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022735_C001 All Mackscatter Quality PLRM, OCOG All Martier Range and Backscatter Quality Flags and the OCOG All All Martier Range and Backscatter Quality Flags and the OCOG All All Martier Range and Backscatter Quality Flags and the OCOG All All Martier Range and Backscatter Quality Flags and the OCOG All All Martier Range and Backscatter Quality Flags and the OCOG All Martier Range and Backscatter Quality Flags and the OCOG All Martier Range and Backscatter Quality Flags and the OCOG All Martier Range and Backscatter Quality Flags and the OCOG All Martier Range and Backscatter Quality Flags	CS_OFFL_SIR_NOPR_2_20220114T021545_20220114T021729_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20220114T052434_20220114T052953_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and Backscatter Quality	CS_OFFL_SIR_NOPR_2_20220114T022622_20220114T022730_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20220114T053432_20220114T054333_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220114T070829_20220114T070945_C001 CS_OFFL_SIR_NOPR_2_20220114T070949_20220114T071135_C001 CS_OFFL_SIR_NOPR_2_20220114T070949_20220114T071135_C001 CS_OFFL_SIR_NOPR_2_20220114T070949_20220114T07135_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T085529_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T085529_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T085529_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T085529_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T095539_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T095	CS_OFFL_SIR_NOPR_2_20220114T022734_20220114T022953_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20220114T070829_20220114T070945_C001 CS_OFFL_SIR_NOPR_2_20220114T070949_20220114T071135_C001 CS_OFFL_SIR_NOPR_2_20220114T070949_20220114T071135_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T070943_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T085529_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001	CS_OFFL_SIR_NOPR_2_20220114T053432_20220114T054333_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20220114T070949_20220114T071135_C001 CS_OFFL_SIR_NOPR_2_20220114T070949_20220114T071135_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T085529_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 OCOG Altimeter Range Quality PLRM, 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, 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 Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPR_2_20220114T062127_20220114T062411_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20220114T070392_20220114T070305_C001 CS_OFFL_SIR_NOPR_2_20220114T070518_20220114T072305_C001 CS_OFFL_SIR_NOPR_2_20220114T085529_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG 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 Al	CS_OFFL_SIR_NOPR_2_20220114T070829_20220114T070945_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPR_2_20220114T095529_20220114T090533_C001 CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Qu	CS_OFFL_SIR_NOPR_2_20220114T070949_20220114T071135_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and the OCOG Altimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM. CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001 and Backscatter Quality PLRM, 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 th	CS_OFFL_SIR_NOPR_2_20220114T071518_20220114T072305_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20220114T085529_20220114T090533_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPR_2_20220114T093927_20220114T094057_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPR_2_20220114T103454_20220114T104214_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_20220114T104358_20220114T104401_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_20220114T104749_20220114T104823_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_20220114T111154_20220114T111342_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_20220114T121953_20220114T122124_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_20220114T124037_20220114T124239_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_20220114T124957_20220114T125110_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_20220114T134524_20220114T134747_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_20220114T135257_20220114T135628_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_20220114T135628_20220114T135956_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_20220114T140520_20220114T140538_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_20220114T141341_20220114T142059_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_20220114T153120_20220114T153943_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_20220114T161647_20220114T161710_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_20220114T170813_20220114T171712_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_20220114T171742_20220114T172006_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_20220114T185856_20220114T190048_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_20220114T192654_20220114T192830_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_20220114T194623_20220114T194901_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_20220114T220138_20220114T220342_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_20220114T221338_20220114T221739_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_20220114T222524_20220114T222654_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_20220114T224952_20220114T225651_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_20220114T233921_20220114T233934_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors:

L2 Retracking Flags (20 Hz)

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

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

Number of products with errors:

65

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

130

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	207	207	6	201	0
SIR_NOPR1B	122	122	0	122	0
SIR_NOPN1B	109	109	3	106	0
SIR_NOPM_2	207	207	153	54	0
SIR_NOPR_2	122	122	53	68	1
SIR NOPN 2	109	109	43	66	0

7.1 QCC Errors

Number of QCC reports with errors:

4

Total number of occurrences of each error

rotal number of occurrences of each error											
Product Type RLOBOI	PNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_NOPR_2	1	1	1	1							
Test Description Key:											
Abbreviation	Test name	е		Details							
RLOBOPNCDF	RangeLatitudeOrBlankOP 7NetCDF Latitude should be between -90E7 and 90E7 - NetCDF										

Test Description Key:	est 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

1539

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_NOPM1B	201	0	0	0	0	0	0
SIR_NOPM_2	0	0	42	43	1	41	0
SIR_NOPN1B	104	0	0	0	0	0	0
SIR_NOPN_2	0	0	11	37	6	28	27
SIR_NOPR1B	120	0	0	0	0	0	0
SIR_NOPR_2	0	1	22	41	0	19	20

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	Product Type	RBSZOPOEPNCDF	RLPTONCDF	RMSSGHOPONCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD
Ì	SIR_NOPM1B	0	0	0	0	0	0	0
	SIR_NOPM_2	32	0	1	0	37	0	0
	SIR_NOPN1B	0	0	0	0	0	0	0
	SIR_NOPN_2	15	3	0	0	0	0	23
	SIR_NOPR1B	0	0	0	0	0	0	0
	SIR NOPR 2	9	0	0	1	0	40	0

Produ	ıct Type	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF
SIR_N	NOPM1B	0	0	0	0	0	0	0
SIR_N	NOPM_2	0	0	23	0	0	1	26
SIR_N	NOPN1B	0	0	0	0	0	0	0
SIR_N	NOPN_2	0	35	0	0	31	8	44
SIR_N	NOPR1B	0	0	0	0	0	0	0
SIR N	NOPR 2	47	0	0	38	0	1	50

Product T	уре	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD
SIR_NOPI	/1B	0	0	0	0	0	0	0
SIR_NOPI	И_2	0	3	33	0	1	0	0
SIR_NOPI	N1B	0	0	0	0	0	1	0
SIR_NOPI	N_2	55	34	32	30	15	0	3
SIR_NOPI	R1B	0	0	0	0	0	0	0
SIR_NOPI	₹_2	24	8	27	38	1	1	4

Test Description Key:	est 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						
RMSSGHOPONCDF	RangeMSSGeoidHeightOPOceanNetCDF	#N/A						
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean						

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RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
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

7.3 Missing QCC Reports

Number of products with missing QCC reports:

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