

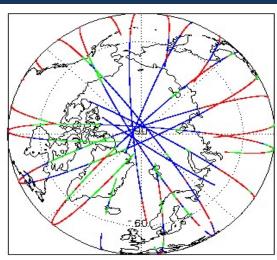
1. Overview

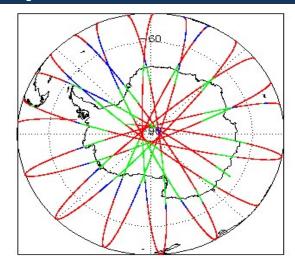
Report Production:	17-Mar-2022			
Processor Used:	CryoSat Ocean Processor			
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data			

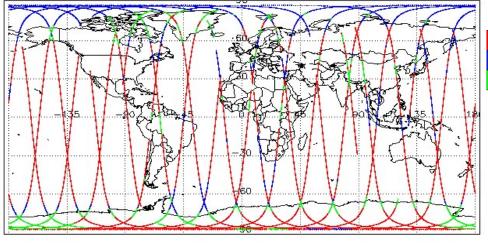
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement 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 / Instru	Mission / Instrument News		
15-Mar-2022	None		
16-Mar-2022	None		
17-Mar-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

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

umber 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:

Ω

4.5 L1B Measurement Confidence Data Check

CS_OFFL_SIR_NOPM1B_20220316T005037_20220316T005209_C001

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.

Power scaling error

Number of products with errors:

Product

Test Failed Description

records

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

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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20220316T064933_20220316T065339_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20220316T140321_20220316T142925_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220316T070350_20220316T070556_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220316T084607_20220316T084709_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220316T102030_20220316T102332_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220316T143925_20220316T144104_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220316T170738_20220316T170820_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220316T202515_20220316T202735_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20220316T224041_20220316T224125_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220316T101922_20220316T102030_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220316T130207_20220316T130248_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220316T192636_20220316T192954_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220316T201102_20220316T201454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20220316T203023_20220316T203046_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric 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.

See OFFIL SIR NORM 2 2020019703011 2020019703020 COD Water Dynamic Transprophy (1) There is an error with the Mean Dynamic Transprophy regist for one or in the Mean Dynamic Transprophy regist for one or in the Mean Dynamic Transprophy regist for one or in the Mean Dynamic Transprophy regist for one or in the Mean Dynamic Transprophy regist for one or in the Mean Dynamic Transprophy regist for one or in the Mean Dynamic Transprophy regist for one or in the Mean Dynamic Transprophy regist for one or in the Mean Dynamic Transprophy regist for one or in the Mean Dynamic Transprophy regist for one or in the Mean Dynamic Transprophy regist for one or in the Mean Dynamic Transprophy regist for one or interest for the Mean	Product	Test Failed	Description
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Today Toda	CS_OFFL_SIR_NOPM_2_20220316T154209_20220316T154344_C001	Mean Dynamic Topography (1)	
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SO, OFFL. SR. NOPN 2, 2022036T000553, 2022036T000544, 202016T000564, 202016T000544, 202016T0005444, 202016T00054444, 202016T00054444, 202016T00054444, 202016T00054444, 202016T00054444, 202016T00054444, 202016T000544444, 202016T00054444, 202016T00054444, 202016T00054444, 202016T00054444, 202016T00054444, 202016T00054444, 202016T00054444, 202016T00054444, 202016T00054444, 202016T000544444, 202016T00054444, 202016T00054444, 202016T000544444, 202016T000544444, 202016T000544	CS_OFFL_SIR_NOPN_2_20220316T034735_20220316T034832_C001	Mean Dynamic Topography (1)	
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Topography (1) Topography (2) Topography (2) Topography (3) Topography (3) Topography (3) Topography (4) Topography (4)	CS_OFFL_SIR_NOPN_2_20220316T080156_20220316T080343_C001	Mean Dynamic Topography (1)	
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SO SFFL_SIR_NOPR_2_20220316T034749_20220316T035749_20220316T0335912_C001 Mean Dynamic Topography (1) Mean Dynamic Topography (2) Mean Dynamic Topography (3) Mean Dynamic Topography (4) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220316T106403_20220316T1074_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220316T132046_2020316T130047_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220316T132046_2020316T13005C_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220316T152041_2020316T152012_C001 Mean Sea Surface (1), Mean Dynamic Topography heig	CS_OFFL_SIR_NOPN_2_20220316T234340_20220316T234930_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
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Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records	CS_OFFL_SIR_NOPR_2_20220316T102613_20220316T103307_C001		
Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records	CS_OFFL_SIR_NOPR_2_20220316T120436_20220316T120947_C001		
Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220316T153721_20220316T153916_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_20220316T210400_20220316T210829_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220316T215743_20220316T220052_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_20220316T215743_20220316T220052_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_NOPR_2_20220316T134213_20220316T135005_C001		
CS_OFFL_SIR_NOPR_2_20220316T210400_20220316T210829_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220316T215743_20220316T220052_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_NOPR_2_20220316T152041_20220316T152812_C001		
CS_OFFL_SIR_NOPR_2_20220316T215743_20220316T220052_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_20220316T220052_2020316T220052_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_NOPR_2_20220316T153721_20220316T153916_C001	Mean Dynamic Topography (1)	
more records CS_OFFL_SIR_NOPR_2_202203101210743_202203101220032_0001 Mean Dynamic Topography (1) more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_NOPR_2_20220316T210400_20220316T210829_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
	CS_OFFL_SIR_NOPR_2_20220316T215743_20220316T220052_C001	Mean Dynamic Topography (1)	
	CS_OFFL_SIR_NOPR_2_20220316T220052_20220316T220425_C001		

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_20220316T005037_20220316T005209_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

Number of products with errors:

Product	T4 F-11-4	Description.
Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20220315T235017_20220316T001430_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
	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_20220316T005212_20220316T011633_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
	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	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_20220316T022314_20220316T025534_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
	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_20220316T030813_20220316T032650_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

CR_OPTL_SR_NOPM_2_20220316704606_2022316704606_2001 CR_OPTL_SR_NOPM_2_20220316704606_2002316704606_2001 CR_OPTL_SR_NOPM_2_20220316704606_20023016704606_2001 CR_OPTL_SR_NOPM
SS_OFFL_SR_NOPM_2_2022016T040018_202201 SS_OFFL_SR_NOPM_2_2022016T040018_2022016T050202_COOL SS_OFFL_SR_NOPM_2_2022016T040018_2022016T050202_COOL SS_OFFL_SR_NOPM_2_2022016T050204_2022016T050202_COOL SS_OFFL_SR_NOPM_2_2022016T050204_2022016T050202_COOL SS_OFFL_SR_NOPM_2_2022016T050204_2022016T050202_COOL SS_OFFL_SR_NOPM_2_2022016T050204_2022016T050202_COOL SS_OFFL_SR_NOPM_2_2022016T050204_2022016T050202_COOL SS_OFFL_SR_NOPM_2_2022016T050204_2022016T050202_COOL SS_OFFL_SR_NOPM_2_2022016T050204_2022016T050202_COOL SS_OFFL_SR_NOPM_2_2022016T050204_2022016T050202_COOL SS_OFFL_SR_NOPM_2_2022016T050202_COOL SS_OFFL_SR_NOPM_2_2022016T050201_COOL SS_OFFL_SR_NOPM_2_2022016T050001_COOL SS_OFFL_SR_NOPM_2_2022016T050001
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and the COGA Altimeter Range and Backscaster Quality (Flags have been set for one more records) Ocean Altimeter Range, SSHA, SWH and Backscaster Quality (Flags have been set for one more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one or more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one or more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one or more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one or more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one or more records) Ocean Altimeter Range (SMA, SWH and Backscaster Quality (Flags have been set for one or more records) Ocean Altimeter Range (SMA, SWH and Backscaster Quality (Flags have been set for one or more records) Ocean Altimeter Range (SMA, SWH and Backscaster Quality (Flags have been set for one or more records) Ocean Altimeter Range (SMA, SWH and Backscaster Quality (Flags have been set for one or more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set for one or more records) Ocean Altimeter Range and Backscaster Quality (Flags have been set f
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and Backscatter Quality Flags have been and the COCO Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20220316T065100_20220316T062329_0001 CS_OFFL_SIR_NOPM_2_20220316T065100_20220316T062020_0001 CS_OFFL_SIR_NOPM_2_20220316T065100_20220316T062020_0001 CS_OFFL_SIR_NOPM_2_20220316T062019_20220316T062024_0001 CS_OFFL_SIR_NOPM_2_20220316T062019_20220316T062024_0001 CS_OFFL_SIR_NOPM_2_20220316T062019_20220316T062024_0001 CS_OFFL_SIR_NOPM_2_20220316T062019_20220316T062024_0001 CS_OFFL_SIR_NOPM_2_20220316T062019_20220316T062032_0001 CS_OFFL_SIR_NOPM_2_20220316T062019_20220316T062032_0001 CS_OFFL_SIR_NOPM_2_20220316T062019_20220316T062032_0001 CS_OFFL_SIR_NOPM_2_20220316T062019_20220316T063932_0001 CS_OFFL_SIR_NOPM_2_20220316T062019_20220316T063932_0001 CS_OFFL_SIR_NOPM_2_20220316T062019_20220316T064332_0001 CS_OFFL_SIR_NOPM_2_20220316T062019_20220316T064333_0001 CS_OFFL_SIR_NOPM_2_20220316T064033_20220316T064333_0001 CS_OFFL_SIR_NOPM_2_20220316T06433_20220316T064333_0001 CS_OFFL_SIR_NOPM_2_20220316T076433_20220316T065338_0001 CS_OFFL_SIR_NOPM_2_20220316T076433_20220316T076538_0001 CS_OFFL_SIR_NOPM_2_20220316T076433_20220316T076538_0001 CS_OFFL_SIR_NOPM_2_20220316T076433_20220316T076538_0001 CS_OFFL_SIR_NOPM_2_20220316T076433_20220316T076538_0001 CS_OFFL_SIR_NOPM_2_20220316T0764020_20220316T075201_0001 CS_OFFL_SIR_NOPM_2_20220316T0764020_20220316T075201_0001 CS_OFFL_SIR_NOPM_2_20220316T0764020_20220316T076500_0001 CS_OFFL_SIR_NOPM_2_20220316T0764020_00020316T0764020_0001 CS_OFFL_SIR_NOPM_2_20220316T0764020_0001 CS_OFFL_SIR_NOPM_2_20220316T064030_0001 CS_OFFL_SIR_NOPM_
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more secords The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more secords CS_OFFL_SIR_NOPM_2_20220316T062810_20220316T062007_C001 CS_OFFL_SIR_NOPM_2_20220316T062810_20220316T062824_C001 Backscatter Quality, COCOG Backscatter Quality, C
Backscatter Quality (50 or one or more records CS_OFFL_SIR_NOPM_2_20220316T062015_20220316T062424_C0011 CS_OFFL_SIR_NOPM_2_20220316T062016_20220316T063393_C0011 CS_OFFL_SIR_NOPM_2_20220316T062019_20220316T064837_C0011 CS_OFFL_SIR_NOPM_2_20220316T064019_20220316T064837_C0011 CS_OFFL_SIR_NOPM_2_20220316T064019_20220316T064837_C0011 CS_OFFL_SIR_NOPM_2_20220316T064019_20220316T064837_C0011 CS_OFFL_SIR_NOPM_2_20220316T064033_20220316T06433_C0011 CS_OFFL_SIR_NOPM_2_20220316T064033_20220316T06433_C0011 CS_OFFL_SIR_NOPM_2_20220316T072002_20220316T07243_C0011 CS_OFFL_SIR_NOPM_2_20220316T072002_20220316T07243_C0011 CS_OFFL_SIR_NOPM_2_20220316T072002_20220316T07243_C0011 CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T075097_C0011 CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T075097_C0011 CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T075097_C0011 CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T075097_C0011 CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T075097_C0011 CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T075097_C0011 CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T082040_C0011 CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T082040_C0011 CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T080455_C0011 CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T080455_C0011 CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T080455_C0011 CS_OFFL_SIR_NOPM_2_20220316T075047_20220316T080455_C0011 CS_OFFL_SIR_NOPM_2_20220316T075047_20220316T080455_C0011 CS_OFFL_SIR_NOPM_2_20220316T080356_20220316T080455_C0011 CS_OFFL_SIR_NOPM_2_20220316T080356_20220316T080455_C0011 CS_OFFL_SIR_NOPM_2_20220316T080356_20220316T080356_C0011 CCOCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220316T080356_20220316T080356_C0011 CCOCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220316T080356_20220316T080356_C0011 CCOCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220316T080356_20220316T0803
Backscatter Quality CS_OFFL_SIR_NOPM_2_20220316T062610_20220316T063932_C001 CS_OFFL_SIR_NOPM_2_20220316T062610_20220316T063932_C001 CS_OFFL_SIR_NOPM_2_20220316T062610_20220316T064837_C001 CS_OFFL_SIR_NOPM_2_20220316T064019_20220316T064837_C001 CS_OFFL_SIR_NOPM_2_20220316T064019_20220316T064837_C001 CS_OFFL_SIR_NOPM_2_20220316T064033_20220316T064837_C001 CS_OFFL_SIR_NOPM_2_20220316T064033_20220316T064933_C001 CS_OFFL_SIR_NOPM_2_20220316T072002_20220316T072343_C001 CS_OFFL_SIR_NOPM_2_20220316T072002_20220316T072343_C001 CS_OFFL_SIR_NOPM_2_20220316T072002_20220316T072343_C001 CS_OFFL_SIR_NOPM_2_20220316T072522_20220316T075211_C001 CS_OFFL_SIR_NOPM_2_20220316T075202_20220316T075201_C001 CS_OFFL_SIR_NOPM_2_20220316T075202_20220316T075201_C001 CS_OFFL_SIR_NOPM_2_20220316T075202_20220316T075207_C001 CS_OFFL_SIR_NOPM_2_20220316T075202_20220316T075207_C001 CS_OFFL_SIR_NOPM_2_20220316T075207_20220316T075207_C001 CS_OFFL_SIR_NOPM_2_20220316T07507_20220316T075007_C001 CS_OFFL_SIR_NOPM_2_20220316T07507_20220316T080105_C001 CS_OFFL_SIR_NOPM_2_20220316T07507_20220316T080105_C001 CS_OFFL_SIR_NOPM_2_20220316T07507_20220316T080105_C001 CS_OFFL_SIR_NOPM_2_20220316T080105_C001 CS_OFFL_SIR_NOPM_2_20220316T080105_C001 CS_OFFL_SIR_NOPM_2_20220316T080105_C001 CS_OFFL_SIR_NOPM_2_20220316T080105_C001 CS_OFFL_SIR_NOPM_2_20220316T080105_C001 CS_OFFL_SIR_NOPM_2_20220316T080105_C001 CS_OFFL_SIR_NOPM_2_20220316T080105_C001 CS_OFFL_SIR_NOPM_2_20220316T080105_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T0804055_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T091336_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T091336_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T09336_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T09336_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T09336_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T09336_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T09336_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T09336_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T09336_C00
CS_OFFL_SIR_NOPM_2_20220316T064019_20220316T064837_C001 CS_OFFL_SIR_NOPM_2_20220316T064019_20220316T064837_C001 CS_OFFL_SIR_NOPM_2_20220316T064033_20220316T064837_C001 CS_OFFL_SIR_NOPM_2_20220316T064033_20220316T065338_C001 CS_OFFL_SIR_NOPM_2_20220316T064033_20220316T065338_C001 CS_OFFL_SIR_NOPM_2_20220316T07202_20220316T072343_C001 CS_OFFL_SIR_NOPM_2_20220316T072002_20220316T072343_C001 CS_OFFL_SIR_NOPM_2_20220316T072002_20220316T072343_C001 CS_OFFL_SIR_NOPM_2_20220316T072002_20220316T075211_C001 CS_OFFL_SIR_NOPM_2_20220316T075202_20220316T0750907_C001 CS_OFFL_SIR_NOPM_2_20220316T075097_2001 CS_OFFL_SIR_NOPM_2_20220316T075097_20200316T082240_C001 CS_OFFL_SIR_NOPM_2_20220316T080315_20220316T080305_2001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T080305_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T080305_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T080305_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T080305_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T080305_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T080305_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T080305_C001 CS_OFFL_SIR_NOPM_2_20220316T080305_20220316T093305_C001 CS_OFFL_SIR_NOPM_2_20220316T093306_20220316T093305_C001 CS_OFFL_SIR_NOPM_2_20220316T093306_20220316T093305_C001 CS_OFFL_SIR_NOPM_2_20220316T093306_20220316T093305_C001 CS_OFFL_SIR_NOPM_2_20220316T093306_20220316T093305_C001 CS_OFFL_SIR_NOPM_2_20220316T093306_20220316T093305_C001 CS_OFFL_SIR_NOPM_2_20220316T093306_20220316T093305_C001 CS_OFFL_SIR_NOPM_2_20220316T093306_20220316T093305_C001 CS_OFFL_SIR_NOPM_2_20220316T093306_20220316T093305_C001 CS_OFFL_SIR_NOPM_2_20220316T093306_20220
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been at least content of the Cocon Altimeter Range and Backscatter Quality Flags have been at least content of the Cocon Altimeter Range and Backscatter Quality Flags have been at least content of the Cocon 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 The Ocean 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 have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range an
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been at Memory Plance of the Corner of the Corn
and Backscatter Quality, COG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T075907_C001 CS_OFFL_SIR_NOPM_2_20220316T075927_20220316T080155_C001 CS_OFFL_SIR_NOPM_2_20220316T081010_20220316T082240_C001 CS_OFFL_SIR_NOPM_2_20220316T081010_20220316T082240_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T090358_20220316T091336_C001 CS_OFFL_SIR_NOPM_2_20220316T090358_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been The Ocean Altimeter Range and Backscatter Quality Flags have been The Ocean Altimeter Range and Backscatter Quality Flags have been The Ocean Altimeter Range and Backscatter Quality Flags have been The Ocean Altimeter Range and Backscatter Quality Flags have been The Ocean Altimeter Range and Backscatter Quality Flags have been The Ocean Altimeter Range and Backscatter Quality Flags have been The Ocean Altimeter Range and Ba
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220316T075340_20220316T075907_C001 CS_OFFL_SIR_NOPM_2_20220316T075927_20220316T080155_C001 CS_OFFL_SIR_NOPM_2_20220316T081010_20220316T082240_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T093388_20220316T093386_C001 CS_OFFL_SIR_NOPM_2_20220316T093388_20220316T093805_C001 And Backscatter Quality, 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 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_20220316T093388_20220316T093885_C001 CS_OFFL_SIR_NOPM_2_20220316T093388_20220316T093885_C001 CS_OFFL_SIR_NOPM_2_20220316T093388_20220316T093885_C001 CS_OFFL_SIR_NOPM_2_20220316T093388_20220316T093885_C001 CS_OFFL_SIR_NOPM_2_20220316T093388_20220316T093885_C001 CS_OFFL_SIR_NOPM_2_20220316T093388_20220316T093885_C001 CS_OFFL_SIR_NOPM_2_20220316T093388_20220316T093885_C001 CS_OFFL_SIR_NOPM_2_20220316T093886_20220316T093885_C001 CS_OFFL_SIR_NOPM_2_2022
Backscatter Quality Gr one or more records CS_OFFL_SIR_NOPM_2_20220316T075927_20220316T080155_C001 CS_OFFL_SIR_NOPM_2_20220316T081010_20220316T082240_C001 CS_OFFL_SIR_NOPM_2_20220316T081010_20220316T082240_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T082240_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T093388_20220316T091336_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags 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_20220316T093308_20220316T093805_C001 CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Backscatter Quality CS_OFFL_SIR_NOPM_2_20220316T081010_20220316T082240_C001 Backscatter Quality CS_OFFL_SIR_NOPM_2_20220316T081010_20220316T082240_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T090358_20220316T091336_C001 CS_OFFL_SIR_NOPM_2_20220316T090358_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 Backscatter Quality Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the 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 have been set for one or more records CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 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_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220316T093387_C001
CS_OFFL_SIR_NOPM_2_20220316T081010_20220316T082240_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220316T082315_20220316T084025_C001 CS_OFFL_SIR_NOPM_2_20220316T090358_20220316T091336_C001 CS_OFFL_SIR_NOPM_2_20220316T090358_20220316T091336_C001 CS_OFFL_SIR_NOPM_2_20220316T090358_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093806_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093806_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093806_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093806_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093806_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093806_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093806_20220316T093805_C001 CS_OFFL_SIR_NOPM_2_20220316T093806_20220316T093807_C001 CCS_OFFL_SIR_NOPM_2_20220316T093806_20220316T093807_C001 CCS_OFFL_SIR_NOPM_2_20220316T09380
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220316T090358_20220316T091336_C001 CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220316T090358_20220316T091336_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220316T093308_20220316T093805_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Backscatter Quality for one or more records CS_OFFL_SIR_NOPW_2_202203161093306_202203161093805_C001 Backscatter Quality for one or more records OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set
Backscatter Quality for one or more records
CS_OFFL_SIR_NOPM_2_20220316T093844_20220316T094005_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220316T094708_20220316T095818_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPM_2_20220316T095949_20220316T100030_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records
Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags

CS_OFFL_SIR_NOPM_2_20220316T101539_20220316T101600_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_20220316T105503_20220316T111013_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_20220316T111233_20220316T111719_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_20220316T111743_20220316T111752_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_20220316T111759_20220316T111910_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_20220316T112331_20220316T115049_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_20220316T121902_20220316T121927_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_20220316T122523_20220316T124554_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_20220316T124645_20220316T125001_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_20220316T125301_20220316T125635_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_20220316T125658_20220316T130024_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_20220316T130248_20220316T133119_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_20220316T140321_20220316T142925_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_20220316T143053_20220316T143549_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_20220316T144226_20220316T151734_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_20220316T160602_20220316T160911_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_20220316T161052_20220316T161622_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_20220316T162129_20220316T165547_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_20220316T170922_20220316T171048_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_20220316T172842_20220316T174823_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_20220316T175012_20220316T175519_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_20220316T180033_20220316T183500_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_20220316T190015_20220316T192256_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_20220316T193230_20220316T193424_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_20220316T194107_20220316T195421_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_20220316T195542_20220316T195845_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_20220316T200327_20220316T201102_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_20220316T202735_20220316T202904_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_20220316T203046_20220316T204754_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_20220316T204944_20220316T210359_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_20220316T211131_20220316T211336_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_20220316T211433_20220316T211837_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_20220316T212015_20220316T213422_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_20220316T213544_20220316T213553_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_20220316T213754_20220316T214717_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_20220316T221530_20220316T222644_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_20220316T223223_20220316T224040_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_20220316T224125_20220316T224652_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_20220316T224932_20220316T225741_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_20220316T225933_20220316T231538_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_20220316T235833_20220317T002545_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_20220316T025708_20220316T030059_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_20220316T111013_20220316T111232_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_20220316T111752_20220316T111758_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_20220316T122153_20220316T122446_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_20220316T143925_20220316T144104_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_20220316T154345_20220316T154450_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_20220316T220425_20220316T220532_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_20220316T052805_20220316T053923_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_20220316T062008_20220316T062014_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_20220316T084709_20220316T085238_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_20220316T085826_20220316T085826_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_20220316T094231_20220316T094510_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_20220316T130207_20220316T130248_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20220316T135025_20220316T135304_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_20220316T231539_20220316T231824_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.

Number of products with errors: 82

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20220316T001501_20220316T001758_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_20220316T001854_20220316T002028_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_20220316T025708_20220316T030059_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_20220316T034251_20220316T034414_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_20220316T034524_20220316T034558_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_20220316T035810_20220316T035930_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_20220316T043653_20220316T044006_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_20220316T044520_20220316T044633_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_20220316T062424_20220316T062543_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_20220316T070350_20220316T070556_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_20220316T084257_20220316T084424_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_20220316T085238_20220316T085328_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_20220316T100030_20220316T100407_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_20220316T102030_20220316T102332_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_20220316T111910_20220316T111935_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_20220316T120044_20220316T120436_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_20220316T122153_20220316T122446_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_20220316T125029_20220316T125301_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_20220316T130024_20220316T130207_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_20220316T142925_20220316T143053_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_20220316T151734_20220316T151847_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_20220316T154345_20220316T154450_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_20220316T154751_20220316T154930_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_20220316T154946_20220316T155103_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_20220316T160933_20220316T161052_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_20220316T161622_20220316T161938_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_20220316T170738_20220316T170820_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_20220316T171644_20220316T171734_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_20220316T174858_20220316T175012_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_20220316T193425_20220316T194005_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_20220316T202515_20220316T202735_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_20220316T210830_20220316T211131_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_20220316T214718_20220316T214942_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_20220316T220425_20220316T220532_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_20220316T222645_20220316T222805_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_20220316T224041_20220316T224125_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_20220316T225741_20220316T225929_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_20220316T232439_20220316T232822_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_20220316T234340_20220316T234930_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_20220316T011633_20220316T011728_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_20220316T012839_20220316T012907_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_20220316T020450_20220316T021502_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_20220316T033447_20220316T033627_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_20220316T033747_20220316T033747_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_20220316T034230_20220316T034251_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_20220316T034832_20220316T035621_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_20220316T045602_20220316T050203_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_20220316T052805_20220316T053923_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_20220316T070803_20220316T071557_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_20220316T071736_20220316T071810_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_20220316T071829_20220316T071907_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_20220316T071930_20220316T071931_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_20220316T080343_20220316T080630_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_20220316T084709_20220316T085238_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_20220316T094231_20220316T094510_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_20220316T101922_20220316T102030_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_20220316T102613_20220316T103307_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_20220316T103730_20220316T103741_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_20220316T104820_20220316T105503_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_20220316T120436_20220316T120947_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_20220316T121022_20220316T121157_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_20220316T134213_20220316T135005_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_20220316T135025_20220316T135304_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_20220316T151848_20220316T151901_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_20220316T152041_20220316T152812_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_20220316T152834_20220316T153040_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_20220316T153104_20220316T153333_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_20220316T155949_20220316T160241_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_20220316T170820_20220316T170922_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_20220316T171241_20220316T171514_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_20220316T171734_20220316T171944_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_20220316T174824_20220316T174858_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_20220316T183838_20220316T183844_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_20220316T194005_20220316T194107_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_20220316T201102_20220316T201454_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_20220316T210400_20220316T210829_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_20220316T215743_20220316T220052_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_20220316T220052_20220316T220425_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_20220316T220729_20220316T220911_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_20220316T220922_20220316T221208_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_20220316T221330_20220316T221530_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_20220316T234930_20220316T235151_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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: 176

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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

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

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors: 127

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	183	183	6	177	0
SIR_NOPR1B	148	148	0	148	0
SIR_NOPN1B	101	101	2	98	1
SIR_NOPM_2	183	183	129	54	0
SIR_NOPR_2	148	148	78	68	2
SIR NOPN 2	100	100	40	60	0

7.1 QCC Errors

Number of QCC reports with errors:

Total number of occurrences of each

					i otal Hullibel	or occurrences	OI CACII CITOI			
Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	RRTAISSOPOBHRNCDF	-	-	-
SIR_NOPN1B	0	0	0	0	0	0	1			
SIR NOPR 2	2	1	2	2	1	2	0			

Fest Description Key:						
Abbreviation	Test name	Details				
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7 - NetCDF				
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6				
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7				
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7 - NetCDF				
RL	RangeLongitude_6	Longitude should be between -180E6 and 180E6				
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7				
RRTAISSOPOBHRNCD	RangeRecordTAlStartStopOPOrBlankHRNetCl	The time value should be between the the record TAI start/stop times of the MPH with a margin of 0.5 - NetCDF				

7.2 QCC Warnings

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_NOPM1B	177	0	0	0	0	0	0
SIR_NOPM_2	0	0	38	39	0	41	0
SIR_NOPN1B	98	0	0	0	0	0	0
SIR_NOPN_2	0	0	9	27	6	26	27
SIR_NOPR1B	144	0	0	0	0	0	0
SIR_NOPR_2	0	2	24	39	0	27	21

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCDI	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	35	0	33	0	0	0	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	12	0	0	0	10	0	26
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	7	1	0	35	0	45	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	27	0	0	1	27	0	2
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	21	16	41	49	24
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	0	36	0	2	55	31	8

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_NOPM1B	0	0	0	1	0	0	0
SIR_NOPM_2	32	0	1	1	0	0	0
SIR_NOPN1B	0	0	0	0	0	45	0
SIR_NOPN_2	28	21	8	0	2	0	0
SIR_NOPR1B	0	0	0	0	0	147	11
SIR_NOPR_2	29	39	5	0	4	0	0

Test Description Key:		
Test Description 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
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR 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
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