

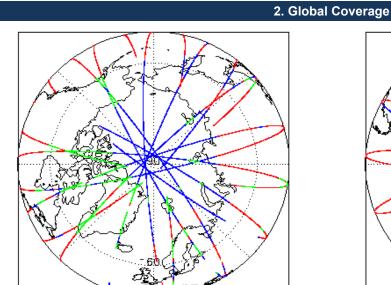
QA4EO Daily Report for NOP data:

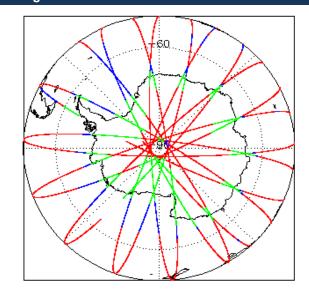
<u>04/01/2022</u>

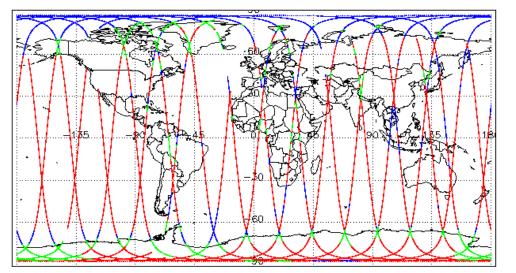
Demont Dreductions	05-Jan-2022	Check	L1 & L2
Report Production:	05-Jan-2022	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CriveSet Oscar Dresses	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Usea:	CryoSat Ocean Processor	Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP)	Product Format Check	Nominal
Data Used:	L1B & L2 Science Data	Product Header Analysis	Nominal
	·	Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	See Section 5.4
		Measurement Confidence Data Check	See Section 4.5, 4.6
		Measurement Quality Flag Check	See Section 5.6
		Ocean Retracking Quality Check	See Section 5.7
		QCC Error/ Warning Check	See Section 7.1 and 7.2

1. Overview

Mission / Instrument News		
03-Jan-2022	None	
04-Jan-2022	None	
05-Jan-2022	Nothing planned	









LRM
SAR
SARIn

3. Instrument Configuration

The SIRAL instrument configuration for the	e day of acquisition is provided be	elow.
SIRAL instrument(s) in use:	SIRAL - A	

Star Tracker(s) in use:	Star Tracker 1

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

0

4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and	d SPH in order to identify any inc	onsistencies and/or errors raised by the ground-segment processing chain.		
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1I DSARIn chains. A modification is required in the next release.	B IOPR and IOPN products beca	use the I1b_processing_quality_hr field is not correctly configured in the OSAR and		
Number of products with errors: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre	e-determined baseline and also to	o check the validity of Auxiliary Data Files is correct.		
Dynamic Atmospheric Correction: The DAC is missing in all products becau	use the auxiliary files required are	e 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 recor	d. The bit value of this flag indica	ates any problems when set.		
Number of products with errors: 0	-			
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurer	ment record. The bit value of this	flag indicates any problems when set.		
> Attitude Correction Missing: This flag is currently set in error for NOPR private in the set of the set o				
Number of products with errors: 0	č	· ·		
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record	d. The bit value of this flag indica	tes any problems when set		
 Loss of Echo Flag: This flag is currently set for products over land, but this 	-	tes ally presiding when out		
Number of products with errors: 22				
	Test Failed	Description		
CS_OFFL_SIR_NOPM1B_20220104T020357_20220104T020639_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPM1B_20220104T072221_20220104T072307_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPM1B_20220104T092725_20220104T094917_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPM1B_20220104T111215_20220104T112844_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPM1B_20220104T134035_20220104T135214_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20220104T023136_20220104T023348_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20220104T104009_20220104T104219_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20220104T163650_20220104T163833_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20220104T181552_20220104T181731_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20220104T195248_20220104T195603_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20220104T022717_20220104T023135_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20220104T045152_20220104T045353_C001	Loss of Echo	The tracking echo is missing for one or more records		
30_011 E_011_1001 111D_2022010+1040102_20220104104000001				
	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20220104T054122_20220104T055132_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20220104T054122_20220104T055132_C001 CS_OFFL_SIR_NOPR1B_20220104T072456_20220104T073243_C001				
CS_OFFL_SIR_NOPR1B_20220104T054122_20220104T055132_C001 CS_OFFL_SIR_NOPR1B_20220104T072456_20220104T073243_C001 CS_OFFL_SIR_NOPR1B_20220104T090130_20220104T090420_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20220104T054122_20220104T055132_C001 CS_OFFL_SIR_NOPR1B_20220104T072456_20220104T073243_C001 CS_OFFL_SIR_NOPR1B_20220104T090130_20220104T090420_C001 CS_OFFL_SIR_NOPR1B_20220104T090439_20220104T091529_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20220104T054122_20220104T055132_C001 CS_OFFL_SIR_NOPR1B_20220104T072456_20220104T073243_C001 CS_OFFL_SIR_NOPR1B_20220104T090130_20220104T090420_C001 CS_OFFL_SIR_NOPR1B_20220104T090439_20220104T091529_C001 CS_OFFL_SIR_NOPR1B_20220104T104428_20220104T105155_C001	Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20220104T054122_20220104T055132_C001 CS_OFFL_SIR_NOPR1B_20220104T072456_20220104T073243_C001 CS_OFFL_SIR_NOPR1B_20220104T090130_20220104T090420_C001 CS_OFFL_SIR_NOPR1B_20220104T090439_20220104T091529_C001 CS_OFFL_SIR_NOPR1B_20220104T104428_20220104T105155_C001 CS_OFFL_SIR_NOPR1B_20220104T190457_20220104T190635_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20220104T054122_20220104T055132_C001 CS_OFFL_SIR_NOPR1B_20220104T072456_20220104T073243_C001 CS_OFFL_SIR_NOPR1B_20220104T090130_20220104T090420_C001 CS_OFFL_SIR_NOPR1B_20220104T090439_20220104T091529_C001 CS_OFFL_SIR_NOPR1B_20220104T104428_20220104T105155_C001 CS_OFFL_SIR_NOPR1B_20220104T190457_20220104T190635_C001 CS_OFFL_SIR_NOPR1B_20220104T190751_20220104T191016_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20220104T054122_20220104T055132_C001 CS_OFFL_SIR_NOPR1B_20220104T072456_20220104T073243_C001 CS_OFFL_SIR_NOPR1B_20220104T090130_20220104T090420_C001 CS_OFFL_SIR_NOPR1B_20220104T090439_20220104T091529_C001 CS_OFFL_SIR_NOPR1B_20220104T104428_20220104T105155_C001 CS_OFFL_SIR_NOPR1B_20220104T190457_20220104T190635_C001 CS_OFFL_SIR_NOPR1B_20220104T190751_20220104T191016_C001 CS_OFFL_SIR_NOPR1B_20220104T193616_20220104T193906_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_202201041043132_202201041043333_0001 CS_OFFL_SIR_NOPR1B_20220104T054122_20220104T055132_C001 CS_OFFL_SIR_NOPR1B_20220104T072456_20220104T073243_C001 CS_OFFL_SIR_NOPR1B_20220104T090130_20220104T091529_C001 CS_OFFL_SIR_NOPR1B_20220104T1090439_20220104T091529_C001 CS_OFFL_SIR_NOPR1B_20220104T104428_20220104T105155_C001 CS_OFFL_SIR_NOPR1B_20220104T190457_20220104T190635_C001 CS_OFFL_SIR_NOPR1B_20220104T190751_20220104T191016_C001 CS_OFFL_SIR_NOPR1B_20220104T193616_20220104T193906_C001 CS_OFFL_SIR_NOPR1B_20220104T204509_20220104T204541_C001 CS_OFFL_SIR_NOPR1B_20220104T204509_20220104T204541_C001 CS_OFFL_SIR_NOPR1B_20220104T221101_20220104T21330_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records		

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 0

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

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

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

0

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.

46

> 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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20220104T001239_20220104T003651_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_20220104T005204_20220104T005321_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_20220104T005623_20220104T005827_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_20220104T023136_20220104T023348_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_20220104T031415_20220104T031554_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_20220104T041056_20220104T041540_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_20220104T050234_20220104T050510_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_20220104T063335_20220104T063726_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20220104T071502_20220104T071521_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_20220104T073436_20220104T073600_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_20220104T081318_20220104T081632_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_20220104T082146_20220104T082302_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_20220104T100052_20220104T100208_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_20220104T104009_20220104T104219_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20220104T104303_20220104T104427_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20220104T122232_20220104T122335_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_20220104T131630_20220104T131900_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_20220104T135703_20220104T135913_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_20220104T140026_20220104T140236_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_20220104T145538_20220104T145915_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_20220104T153708_20220104T154059_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_20220104T154607_20220104T154643_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_20220104T163650_20220104T163833_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_20220104T195248_20220104T195603_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_20220104T204403_20220104T204509_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_20220104T213146_20220104T213503_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20220104T230621_20220104T230858_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_20220104T231051_20220104T231713_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_20220104T022717_20220104T023135_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_20220104T054122_20220104T055132_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_20220104T07154_20220104T07545_0001 Mean Dynamic Topography (1) There is an error with the Masn Dynamic Topography (addition 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T072456_20220104T073243_0001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T00309_02220104T091529_0001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T103156_0001 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) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T13238_02020104T13289_0001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T132128_0001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T135214_20220104T13320_0001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mac Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T140236_02220104T140433_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one			
CBS_OFFL_SIR_NOPR_2_20220104109/0249_20201 Topography (1) Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T090439_20220104T091529_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T104428_20220104T105155_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T122359_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_20220104T13208_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T135214_20220104T132128_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_NOPR_2_20220104T140236_20220104T143212_20220104T14332_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) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T142312_20220104T143127_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (s	CS_OFFL_SIR_NOPR_2_20220104T071354_20220104T071502_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_NOPR_2_2022010411090439_2022010411091529_0001 Topography (1) Topography (eight (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T1041091529_0001 Mean Sea Surface (1), Mean Dynamic Topography (ight (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T122336_20220104T122859_0001 Mean Sea Surface (1), Mean Dynamic Topography (ight (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T13206_20220104T132128_0001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (ight (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T135214_20220104T132128_0001 Mean Sea Surface (1). Mean Dynamic Topography (if) Total Gecoentric Ocean Topography (ight (solution 1) and the Mean Dynamic Topography (if) Total Gecoentric Ocean Topography height (solution 1) and the Mean Dynamic Topography (if) CS_OFFL_SIR_NOPR_2_20220104T142036_20220104T140933_0001 Mean Sea Surface (1). Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (if) CS_OFFL_SIR_NOPR_2_20220104T142312_20220104T140933_C001 Mean Sea Surface (1). Mean Dynamic Topography (if) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (if) CS_OFFL_SIR_NOPR_2_20220104T142312_20220104T142312_0020104T145407_C001 Mean Sea Surface (1). Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T17821_0020104T178631_C001 Mean Sea Surface (1). Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_NOPR_2_20220104T072456_20220104T073243_C001		
CS_OFFL_SIR_NOPR_2_20220104T122336_20220104T122859_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T122336_20220104T122859_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T135214_20220104T135220_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T135214_20220104T135320_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_NOPR_2_20220104T140332_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1) or one or more records CS_OFFL_SIR_NOPR_2_20220104T140336_20220104T140333_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T142312_20220104T140332_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T142312_20220104T143127_C001 Mean Sea Surface (1), Mean Dynamic 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_20220104T17821_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography	CS_OFFL_SIR_NOPR_2_20220104T090439_20220104T091529_C001		
CS_OFFL_SIR_NOPR_2_202201041132338_202201041132128_C001 Topography (1) Topography leight (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T131900_20220104T132128_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide Topography (1). Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T140236_20220104T140933_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T142312_20220104T140933_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T142312_20220104T143127_C001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T171821_20220104T172631_C001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) and the Mean Dynamic Topography Height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T171821_20220104T172631_C001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T190751_20220104T191016_C001 Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) for one or more records <	CS_OFFL_SIR_NOPR_2_20220104T104428_20220104T105155_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 (1), Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_NOPR_2_20220104T140236_20220104T140933_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T140236_20220104T140933_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_20220104T142312_20220104T143127_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T142312_20220104T1454607_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T17821_20220104T172631_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T185709_20220104T190441_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_20220104T190751_20220104T190461_C001 Mean Dynamic Topography (1)	CS_OFFL_SIR_NOPR_2_20220104T122336_20220104T122859_C001		
CS_OFFL_SIR_NOPR_2_20220104T135214_20220104T135320_C001 Topography (1), Total Geocentric Ocean Tide (GOT) Topography (e) topography (e) topography (e) topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_NOPR_2_20220104T140236_20220104T140933_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_20220104T142312_20220104T143127_C001 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_20220104T154100_20220104T154607_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T171821_20220104T172631_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T185709_20220104T190441_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T190751_20220104T190441_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T191353_20220104T191540_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_20220104T191353_20220104T191540_C001 Mean Dynamic Topography (1) There is an error with the Mean	CS_OFFL_SIR_NOPR_2_20220104T131900_20220104T132128_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_202201041140236_202201041140933_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T142312_20220104T143127_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_20220104T154100_20220104T154607_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T17821_20220104T172631_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T17821_20220104T172631_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T185709_20220104T190441_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T190751_20220104T191016_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_20220104T191353_20220104T191540_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_20220104T2354429_20220104T235944_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS	CS_OFFL_SIR_NOPR_2_20220104T135214_20220104T135320_C001	Topography (1), Total Geocentric Ocean	Topography height (solution 1) and the Total Geocentric Ocean Tide
CS_OFFL_SIR_NOPR_2_20220104T142312_20220104T142312_20001 Mean Dynamic Topography (1) more records CS_OFFL_SIR_NOPR_2_20220104T154100_20220104T154607_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_20220104T171821_20220104T172631_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_20220104T185709_20220104T190441_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_20220104T185709_20220104T190441_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_20220104T190751_20220104T191016_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_20220104T191353_20220104T191540_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_20220104T235429_20220104T235944_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic CS_OFFL_SIR_NOPR_2_20220104T235944_20201	CS_OFFL_SIR_NOPR_2_20220104T140236_20220104T140933_C001		
CS_OFFL_SIR_NOPR_2_20220104T1784100_20220104T172631_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T171821_20220104T172631_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_20220104T185709_20220104T190441_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_20220104T190751_20220104T191016_C001 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_20220104T191353_20220104T191540_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T235429_20220104T235944_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (i) CS_OFFL_SIR_NOPR_2_20220104T235429_20220104T235944_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_20220104T235944_20220105T000138_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Th	CS_OFFL_SIR_NOPR_2_20220104T142312_20220104T143127_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_NOPR_2_20220104T17185709_20220104T17263T_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T185709_20220104T190441_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_20220104T190751_20220104T191016_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_20220104T191353_20220104T191540_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_20220104T235429_20220104T235944_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T235429_20220104T235944_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_20220104T235944_20220105T000138_C001 Mean Sea Surface (1), Mean Dynamic 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_20220104T154100_20220104T154607_C001		
CS_OFFL_SIR_NOPR_2_20220104T190751_20220104T191016_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T190751_20220104T191016_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_20220104T191353_20220104T191540_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_20220104T235429_20220104T235944_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T235944_20220104T235944_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20220104T235944_20220105T000138_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_NOPR_2_20220104T171821_20220104T172631_C001		
CS_OFFL_SIR_NOPR_2_20220104T1910751_20220104T191016_C001 Mean Dynamic Topography (1) more records CS_OFFL_SIR_NOPR_2_20220104T191353_20220104T191540_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_20220104T235429_20220104T235944_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T235944_20220105T000138_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)	CS_OFFL_SIR_NOPR_2_20220104T185709_20220104T190441_C001		5 ()
CS_OFFL_SIR_NOPR_2_20220104T191353_20220104T191540_C001 Mean Dynamic Topography (1) more records CS_OFFL_SIR_NOPR_2_20220104T235944_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20220104T235944_20220105T000138_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)	CS_OFFL_SIR_NOPR_2_20220104T190751_20220104T191016_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_NOPR_2_202201041235944_202201041235944_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_202201041235944_20220105T000138_C001 There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_NOPR_2_20220104T191353_20220104T191540_C001	Mean Dynamic Topography (1)	, , , , , ,
	CS_OFFL_SIR_NOPR_2_20220104T235429_20220104T235944_C001		
	CS_OFFL_SIR_NOPR_2_20220104T235944_20220105T000138_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:
0

5.6 L2 Measurement	Quality	/ Flag	Check
--------------------	---------	--------	-------

L2 Quality Flags (20Hz)

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

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

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

> OCOG Altimeter Range and Backscatter Quality Flags: These flags are currently set for some records over continental ice.

89

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20220104T000330_20220104T000628_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_20220104T000750_20220104T001200_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_20220104T001239_20220104T003651_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_20220104T005321_20220104T005623_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20220104T005828_20220104T010035_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_20220104T010153_20220104T011428_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_20220104T013054_20220104T013152_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_20220104T014733_20220104T020217_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_20220104T024046_20220104T024635_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.

05.0FL_SRUGHZ_20220101122010 percent between to confer c			
Confright, Norw, 2, 3022114/102682, 3022114/102684, Confright, Sink, Sin	CS_OFFL_SIR_NOPM_2_20220104T024919_20220104T031323_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Dis_DFT_UBT_UBT_VOT20220144T03058_2022014T130547_0001 Initial Residue Using CODD Initial Residue Using CODD CS_DFT_UBT_UBT_VOT2022014T030541_2022014T130555_0001 CODD Residue Transport Data Structure County Flags Inter benchmark CS_DFT_UBT_UBT_VOT2022014T014155_2022014T130555_0001 CODD Residue Transport Data Structure County Flags Inter benchmark CS_DFT_UBT_UBT_VOT2022014T014155_2022014T130555_0001 CODD Residue Transport Data Structure County Flags Inter benchmark CS_DFT_UBT_UBT_VOTM_202022014T014515_2022014T130555_0001 CODD Residue Transport Data Structure County Flags Inter benchmark CS_DFT_UBT_UBT_VOTM_202022014T014515_2022014T130555_0001 CODD Residue Transport Data Structure County Flags Inter benchmark CS_DFT_UBT_UBT_VOTM_202022014T0140555_2022014T130555_0001 CODD Residue Transport Data Structure County Flags Inter benchmark CS_DFT_UBT_UBT_VOTM_202022014T0140555_2022014T130555_0001 CODD Residue Transport Data Structure County Flags Inter benchmark CS_DFT_UBT_UBT_VOTM_202022014T0140555_2022014T130555_0001 CODD Residue Transport Data Structure County Flags Inter benchmark CS_DFT_UBT_UBT_VOTM_202022014T0140555_2022014T130555_0001 CODM Residue Transport Data Structure County Flags Inter benchmark CS_DFT_UBT_UBT_VOTM_20202014T070572_2022014T130555_0001 CODM Residue Transport Data Structure County Flags Inter benchmark CS_DFT_UBT_UBT_VOTM_20202014T070572_2022014T130555_0001 CODM Residue Transport Data Structure Count	CS_OFFL_SIR_NOPM_2_20220104T031555_20220104T032440_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CIRCUPPENDENDURING Basecater balay between memory scale between memory scale CIRCUPPENDENDURING 2000 FFL_SRL NOPM_2_20220101T04555_20220101T04555_20201 COM Altimeter Tange CARLS, SML Memory Tange CA	CS_OFFL_SIR_NOPM_2_20220104T032659_20220104T035147_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CB_QEFL_SR_VOPH_2_02220141104152_0020141164032_0001 Set field-scatter Coulty Flags Anise background Coulty Flags Ani	CS_OFFL_SIR_NOPM_2_20220104T035641_20220104T040048_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Care, Dark, Marker, 2, 20201041103034, 2001 Backerstein Quality For ear or more energy. GB, OFFL, SR, NOPH, 2, 20201041103055, 20201041103055, 20201041103055, 20201041103055, 20201041103055, 20201041030556, 2001 Control Minister Parage, SSH, SWH, and Backscatter Quality SRg, and SRG, SRK, SNH, Alter QCCG, Alterieter Range, SSH, SNH, and Backscatter Quality SRg, and SRG, SRK, SNH, Alter QCCG, Alterieter Range, SSH, SNH, Alter Range RANG, SSH, SNH, Alter Range, SSH, SNH, Alter Range, SSH, SNH, A	CS_OFFL_SIR_NOPM_2_20220104T041755_20220104T045152_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
C2: OFTL_SIR_NOPM_2_20220104T05555_20220104T075555_20220104T05555_20220104T05555_20220104T075555_20220104T05555_20220104	CS_OFFL_SIR_NOPM_2_20220104T045811_20220104T050234_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CB_OFFL_SIR_NOPM_2_20220104T083555_20220104T083556_C001 and Backscatter Couldy, COCG Altereter Range Backscatter Couldy, COCG Altereter Range, SSHA, SWH and Backscatter Couldy Flag And Backscatter Couldy, COCG Altereter Range, SSHA, SWH and Backscatter Couldy Flag And Backscatter Couldy, COCG Altereter Range, SSHA, SWH and Backscatter Couldy Flag And Backscatter Couldy, COCG Altereter Range, SSHA, SWH and Backscatter Couldy Flag And Backscatter Couldy, COCG Altereter Range Backscatte	CS_OFFL_SIR_NOPM_2_20220104T050535_20220104T053551_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
DS_DFPL_SIR_NOPM_2_202201041106/342_202201041106/345_20001 Backszatter Quality The oran Alterneter Range and Backszatter Quality Fag CS_OFFL_SIR_NOPM_2_202201041106/345_202201041106/3050_0001 Coein Alterneter Range and Backszatter Quality The Ocan Alterneter Range and Backszatter Quality Fag CS_OFFL_SIR_NOPM_2_202201041106/3506_0001 Coein Alterneter Range and Backszatter Quality The Ocan Alterneter Range and Backszatter Quality Fag CS_OFFL_SIR_NOPM_2_202201041707/3000_2022010417074702_C001 Coein Alterneter Range, SSHA, SWH and Backszatter Quality The Ocan Alterneter Range, SSHA, SWH and Backszatter Quality The Ocan Alterneter Range, SSHA, SWH and the OCOC Alterneter Range and Backszatter Quality Fags have be and for one or more records. CS_OFFL_SIR_NOPM_2_2022010417074700_2022010417074702_C001 Coein Alterneter Range, SSHA, SWH and Backszatter Quality The Ocan Alterneter Range, SSHA, SWH and the OCOC Alterneter Range and Backszatter Quality Fags have be and for one or more records. CS_OFFL_SIR_NOPM_2_2022010417074708_202201041708198_C001 Coein Alterneter Range and Backszatter Quality The Ocan Alterneter Range and Backszatter Quality Fags have be and for one or more records. CS_OFFL_SIR_NOPM_2_202201041708243_202201041708235_C001 Coein Alterneter Range and Backszatter Quality Fags have be and the OCOC Alterneter Range and Backszatter Quality Fags have be and the OCOC Alterneter Range and Backszatter Quality Fags have be and the OCOC Alterneter Range and Backszatter Quality Fags have be and the OCOC Alterneter Range and Backszatter Quality Fags h	CS_OFFL_SIR_NOPM_2_20220104T055925_20220104T063056_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CB_OFFL_SIR_NOPM_2_2022010417064454_2022010417062595_0001 and Backstatter Cuality, DCGO Millineter Frage and Backstatter Cuality Flags have be fab for one or more records. CB_OFFL_SIR_NOPM_2_2022010417062555_2022010417070205_0001 Cean Altimeter Frage and Backstatter Cuality Backstatter Cuality Code Altimeter Frage and Backstatter Cuality Altimeter Frage and Backstatter Cuality Flags have be fab for one or more records. CB_OFFL_SIR_NOPM_2_202201041707400_2022010417074702_0001 Cean Altimeter Frage SIA, SWH and Backstatter Cuality. Code Altimeter Frage and Backstatter Cuality Flags have be fab for one or more records. CB_OFFL_SIR_NOPM_2_2022010417074708_002022010417061039_0001 Cean Altimeter Frage SIA, SWH and Backstatter Cuality. Code Altimeter Frage and Backstatter Cuality Flags have be fab for one or more records. CB_OFFL_SIR_NOPM_2_2022010417061039_0001 CCGO Altimeter Frage Cuality. Code Backstatter Cuality. Code Altimeter Frage and Backstatter Cuality Flags have be for one or more records. CB_OFFL_SIR_NOPM_2_202201041706234_202201041706234_202201041706234_202201041706234_202201041706234_202201041706233_0001 CCGO Altimeter Frage SIA, SWH and Backstatter Cuality. Code Altimeter Frage and Backstatter Cuality Flags have be for one or more records. CB_OFFL_SIR_NOPM_2_202201041706234_202201041706234_202201041706235_20001 CCGO Altimeter Frage SIA, SWH and Backstatter Cuality. Code Altimeter Frage and Backstatter Cuality Flags have be for one or more records. CB_OFFL_SIR_NOPM_2_202201041706234_202201041706132_20001 CCGan Altimeter Frage, SSHA, SWH and Backstatter Cuality. Code Altimeter Frage and Backstatter Cuali	CS_OFFL_SIR_NOPM_2_20220104T063726_20220104T064314_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20220104T0763555_20220104T072039_2001 and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be and Backscatter Quality Flags have be Altimeter Range SHA_SWH and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be and Backscatter Quality Flags have be and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be and for no or more records. CS_OFFL_SIR_NOPM_2_20220104T082343_20220104T082543_20020104T082543_2020104T082543_2020104T082543_2020104T082543_2	CS_OFFL_SIR_NOPM_2_20220104T064454_20220104T065059_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_202201041073600_202201041074702_C001 and Backscatter Quality, OCG Altimeter Range and Backscatter Quality, OCG and Backscatter Quality, OCG Altimeter Range, SSHA, SWH and Backscatter Quality, OCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be act for one orme records. CS_OFFL_SIR_NOPM_2_202201041081632_202201041082148_C001 OCGA Altimeter Range, SSHA, SWH and Backscatter Quality, OCG Backscatter Quality, OCG Backscatter Quality, OCG CG_OFFL_SIR_NOPM_2_202201041082343_20220104108233_C001 DecCGA Altimeter Range, SSHA, SWH and Backscatter Quality, OCG Backscatter Quality, OCG CG_OFFL_SIR_NOPM_2_202201041082343_20220104108233_C001 DecCGA Altimeter Range, SSHA, SWH and Backscatter Quality, OCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the COCG Alt	CS_OFFL_SIR_NOPM_2_20220104T065355_20220104T070203_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T074708_20220104T081039_C001 and Backscatter Quality and the OCG Altimeter Range and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220104T08132_20220104T082345_20220104T082535_C001 Ocean Altimeter Range Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range and Backsc	CS_OFFL_SIR_NOPM_2_20220104T073600_20220104T074702_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T082343_20220104T082633_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20220104T082343_20220104T082633_C001 Decan Altimeter Range, SSHA, SWH and Backscatter Quality, CCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, CCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, CCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, CCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be altimeter Range, SSHA, SWH and Backscatter Quality, CCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be altimeter Range, SSHA, SWH and Backscatter Quality, CCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be altimeter Range, SSHA, SWH and Backscatter Quality, Flags have be altimeter Range and Backscatter Quality, Flags have be altimeter Range and Backscatter Quality	CS_OFFL_SIR_NOPM_2_20220104T074708_20220104T081039_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T082343_20220104T082633_C001 and Backscatter Quality, COCG and the OCCG Altimeter Range and Backscatter Quality Flags have be CS_OFFL_SIR_NOPM_2_20220104T082810_20220104T083710_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_20220104T083826_20220104T084252_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_20220104T083826_20220104T084252_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_NOPM_2_20220104T090117_20220104T090130_C001 Decan Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_NOPM_2_20220104T090117_20220104T090130_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_20220104T091529_20220104T092439_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_20220104T092725_20220104T094917_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_20220104T095634_C001 Ocean Altimeter Range ASHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have be CS_OFFL_SIR_NOPM_2_20220104T095641_20220104T100551_C001 Ocean Altimeter Range Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have be at for	CS_OFFL_SIR_NOPM_2_20220104T081632_20220104T082146_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20220104T082810_20220104T083710_C001 and Backscatter Quality and Backscatter Quality and Backscatter Quality set for one or more records. CS_OFFL_SIR_NOPM_2_20220104T083826_20220104T084252_C001 Ocean Altimeter Range and Backscatter Quality, SCOG The Ocean Altimeter Range, SSHA, SWH and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_NOPM_2_20220104T08017_20220104T080130_C001 Coean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220104T091529_20220104T091529_20220104T092439_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220104T091529_20220104T092439_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220104T091529_20220104T094917_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220104T095458_20220104T095634_C001 Ocean Altimeter Range and Backscatter Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have been store or more records. CS_OFFL_SIR_NOPM_2_20220104T095641_20220104T10051_C001 OCCG Altimeter Range Quality, OCOG The OCCG Altimeter Range and Backscatter Quality Flags have been store or more records. CS_OFFL_SIR_NOPM_2_20220104T005551_20220104T100551_C001 OCCGA Altimeter R	CS_OFFL_SIR_NOPM_2_20220104T082343_20220104T082633_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T083826_20220104T084252_C001 and Backscatter Quality, OCCG and the OCCG Altimeter Range and Backscatter Quality Flags have be CS_OFFL_SIR_NOPM_2_20220104T090117_20220104T090130_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_NOPM_2_20220104T091529_20220104T092439_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_NOPM_2_20220104T091529_20220104T092439_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_NOPM_2_20220104T091529_20220104T094917_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be CS_OFFL_SIR_NOPM_2_20220104T095458_20220104T094917_C001 Ocean Altimeter Range Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have been se CS_OFFL_SIR_NOPM_2_20220104T0956458_20220104T095634_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been se CS_OFFL_SIR_NOPM_2_20220104T095641_20220104T100051_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been se CS_OFFL_SIR_NOPM_2_20220104T100257_20220104T10051_C001 OCGG Altimeter Range, SSHA, SWH The OCOG Altimeter Range and Backscatter Quality Flags have been se	CS_OFFL_SIR_NOPM_2_20220104T082810_20220104T083710_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T090117_20220104T090130_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_NOPM_2_20220104T091529_20220104T092439_C001 Coean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, 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_20220104T095458_20220104T095634_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been store or more records. CS_OFFL_SIR_NOPM_2_20220104T095641_20220104T100051_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been store or more records. CS_OFFL_SIR_NOPM_2_20220104T100257_20220104T102504_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, COG 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 R	CS_OFFL_SIR_NOPM_2_20220104T083826_20220104T084252_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T091529_20220104T092439_C001 and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_NOPM_2_20220104T092725_20220104T094917_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20220104T095458_20220104T095634_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been store or more records. CS_OFFL_SIR_NOPM_2_20220104T095641_20220104T100051_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been store or more records. CS_OFFL_SIR_NOPM_2_20220104T100257_20220104T102504_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been store or more records. CS_OFFL_SIR_NOPM_2_20220104T100257_20220104T102504_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been store or more records. CS_OFFL_SIR_NOPM_2_20220104T102551_20220104T103018_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, ISQ The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been store or more records.	CS_OFFL_SIR_NOPM_2_20220104T090117_20220104T090130_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T092725_20220104T094917_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_NOPM_2_20220104T095458_20220104T095634_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_20220104T095641_20220104T100051_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_20220104T100257_20220104T100051_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_NOPM_2_20220104T100257_20220104T102504_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_NOPM_2_20220104T102551_20220104T103018_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.	CS_OFFL_SIR_NOPM_2_20220104T091529_20220104T092439_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T095641_20220104T095634_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20220104T095641_20220104T100051_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been sfor one or more records. CS_OFFL_SIR_NOPM_2_20220104T100257_20220104T100257_20220104T102504_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_20220104T102551_20220104T102504_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20220104T102551_20220104T103018_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20220104T092725_20220104T094917_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T109504T_20220104T10005T_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20220104T100257_20220104T102504_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_NOPM_2_20220104T102551_20220104T103018_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and Backscatter Quality, OCOG	CS_OFFL_SIR_NOPM_2_20220104T095458_20220104T095634_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20220104T100257_20220104T102504_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_NOPM_2_20220104T102551_20220104T103018_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and Backscatter Quality, OCOG	CS_OFFL_SIR_NOPM_2_20220104T095641_20220104T100051_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20220104T102551_20220104T103018_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have be	CS_OFFL_SIR_NOPM_2_20220104T100257_20220104T102504_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T102551_20220104T103018_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T105659_20220104T110007_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T110146_20220104T111211_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH 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_20220104T111215_20220104T112844_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_20220104T113008_20220104T113533_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_20220104T113539_20220104T113546_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_20220104T114639_20220104T115749_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_20220104T120000_20220104T121702_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_20220104T123204_20220104T123220_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_20220104T123348_20220104T123412_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_20220104T124036_20220104T125001_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_20220104T125205_20220104T130735_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_20220104T130935_20220104T131431_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_20220104T131439_20220104T131446_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_20220104T132328_20220104T133554_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_20220104T134035_20220104T135214_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_20220104T143128_20220104T144633_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_20220104T144904_20220104T145346_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_20220104T145959_20220104T152324_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_20220104T152327_20220104T152708_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_20220104T160054_20220104T162142_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_20220104T162232_20220104T162630_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_20220104T162922_20220104T163301_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_20220104T163324_20220104T163650_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_20220104T163915_20220104T170800_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_20220104T173921_20220104T180537_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_20220104T180720_20220104T181215_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_20220104T181223_20220104T181552_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_20220104T181952_20220104T185358_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_20220104T190635_20220104T190750_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_20220104T193906_20220104T194029_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_20220104T194229_20220104T194518_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_20220104T194719_20220104T195248_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_20220104T195843_20220104T203222_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_20220104T204541_20220104T204724_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_20220104T210457_20220104T212433_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_20220104T212641_20220104T213146_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_20220104T213749_20220104T221100_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_20220104T223626_20220104T225922_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_20220104T230858_20220104T231051_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_20220104T231737_20220104T232943_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_20220104T233047_20220104T233305_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_20220104T233955_20220104T234825_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_20220104T235147_20220104T235218_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_20220104T035517_20220104T035641_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_20220104T064314_20220104T064437_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_20220104T073243_20220104T073352_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_20220104T100052_20220104T100208_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_20220104T121702_20220104T122110_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_20220104T122232_20220104T122335_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_20220104T163318_20220104T163323_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_20220104T190441_20220104T190457_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_20220104T204403_20220104T204509_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_20220104T123433_20220104T123452_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_20220104T123555_20220104T123602_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_20220104T131900_20220104T132128_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_20220104T204945_20220104T205000_C001	0	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

> OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice.

73

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20220104T000123_20220104T000330_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_20220104T000628_20220104T000750_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_20220104T003651_20220104T003919_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_20220104T011942_20220104T011956_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_20220104T014530_20220104T014711_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_20220104T023136_20220104T023348_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_20220104T023440_20220104T023708_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_20220104T035147_20220104T035423_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_20220104T041056_20220104T041540_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_20220104T045353_20220104T045524_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_20220104T045700_20220104T045811_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_20220104T063335_20220104T063726_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_20220104T070833_20220104T070938_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_20220104T071917_20220104T072040_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_20220104T072144_20220104T072221_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_20220104T073243_20220104T073352_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_20220104T073436_20220104T073600_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_20220104T084253_20220104T084402_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_20220104T085354_20220104T085434_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_20220104T095037_20220104T095457_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_20220104T100052_20220104T100208_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_20220104T121702_20220104T122110_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_20220104T122232_20220104T122335_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_20220104T131630_20220104T131900_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_20220104T132128_20220104T132251_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_20220104T133630_20220104T134035_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_20220104T135330_20220104T135453_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_20220104T140026_20220104T140236_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_20220104T153708_20220104T154059_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_20220104T155551_20220104T155724_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_20220104T173451_20220104T173555_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_20220104T192611_20220104T192745_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_20220104T192826_20220104T192920_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_20220104T194558_20220104T194719_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_20220104T204749_20220104T204912_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_20220104T212527_20220104T212641_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_20220104T231051_20220104T231713_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_20220104T011429_20220104T011641_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_20220104T020217_20220104T020356_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_20220104T022530_20220104T022651_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_20220104T022717_20220104T023135_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_20220104T054122_20220104T055132_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_20220104T072040_20220104T072111_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_20220104T072456_20220104T073243_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_20220104T073401_20220104T073435_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_20220104T085206_20220104T085354_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_20220104T090439_20220104T091529_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_20220104T100208_20220104T100257_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_20220104T104428_20220104T105155_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_20220104T105157_20220104T105214_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_20220104T105403_20220104T105521_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_20220104T114003_20220104T114639_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_20220104T115908_20220104T115959_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_20220104T122336_20220104T122859_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_20220104T123424_20220104T123429_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_20220104T123433_20220104T123452_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_20220104T125002_20220104T125205_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_20220104T140236_20220104T140933_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_20220104T142312_20220104T143127_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_20220104T152708_20220104T152816_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_20220104T154644_20220104T154828_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_20220104T162631_20220104T162652_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_20220104T171821_20220104T172631_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_20220104T181733_20220104T181952_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_20220104T185709_20220104T190441_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_20220104T191353_20220104T191540_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_20220104T205003_20220104T205158_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_20220104T225922_20220104T230620_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20220104T231713_20220104T231737_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_20220104T233514_20220104T233955_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_20220104T234825_20220104T234858_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_20220104T234949_20220104T235113_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_20220104T235429_20220104T235944_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

182

59

134

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

Number of products with errors:

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

7

1703

Number of products with errors:

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors:

7. NOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	190	190	3	187	0
SIR_NOPR1B	133	133	0	133	0
SIR_NOPN1B	100	100	4	96	0
SIR_NOPM_2	190	190	134	56	0
SIR_NOPR_2	133	133	54	75	4
SIR_NOPN_2	100	100	39	61	0

7.1 QCC Errors

Number of QCC reports with errors:

Total number of occurrences of each error											
Product Type	LOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_NOPR_2	4	4	4	4							
Test Description	Test Description Key:										

rest 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

			Total num	ber of occurrences of ea	ach warning		
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_NOPM1B	187	0	0	0	0	0	0
SIR_NOPM_2	0	0	39	41	0	43	0
SIR_NOPN1B	92	0	0	0	0	0	0
SIR_NOPN_2	0	0	8	29	6	22	23
SIR_NOPR1B	128	0	0	0	0	0	0
SIR_NOPR_2	0	4	24	43	1	25	18
Product Type	RBSZOPOEPNCDF	RDTCONCDF	RMSSGHOPONCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	35	0	1	1	33	0	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	10	1	0	0	0	0	23
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	10	0	0	2	0	42	0
		r	-	T	r	T	
Product Type	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	0	0	29	0	0	7	31
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	29	0	0	27	14	46
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	51	0	0	39	0	5	52
Product Type	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	0	4	38	0	3	0	0
SIR_NOPN1B	0	0	0	0	0	0	47
	52	32	27	30	13	1	0
SIR_NOPN_2							
SIR_NOPN_2 SIR_NOPR1B SIR_NOPR_2	0 23	0	0 27	0 38	0	0	133

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	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
RDTCONCDF	RangeDryTroposphericCorrectionOceanNetCDF	The Dry tropospheric correction should be between -2500mm and -1900mm (or missing) for surface type = ocean - NetCDF
RMSSGHOPONCDF	RangeMSSGeoidHeightOPOceanNetCDF	The MSS/geoid height should be between -106000mm and 88000mm (or missing) for surface type = ocean
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean
	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
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
	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC	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
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports: 0