

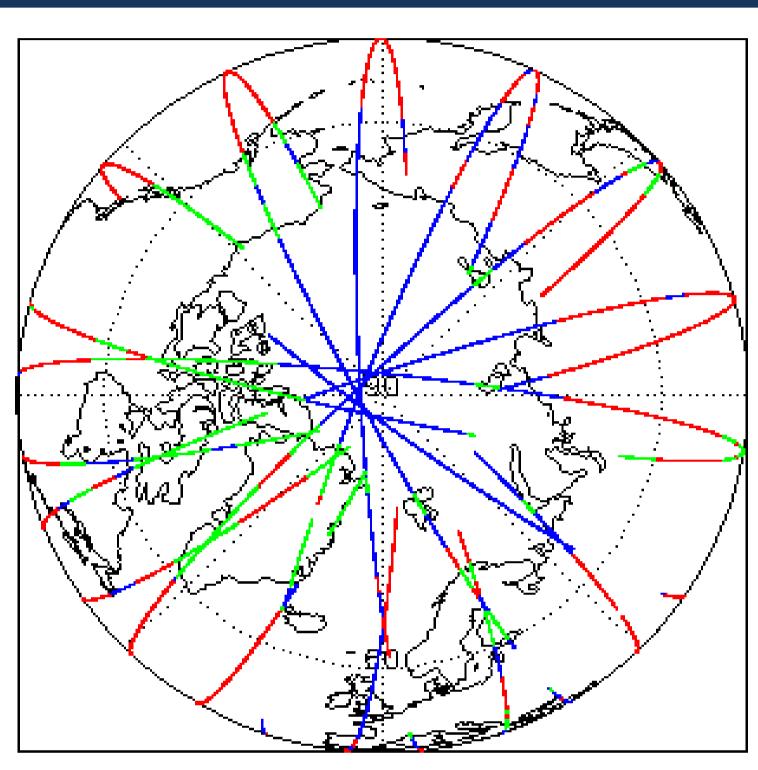
1. Overview

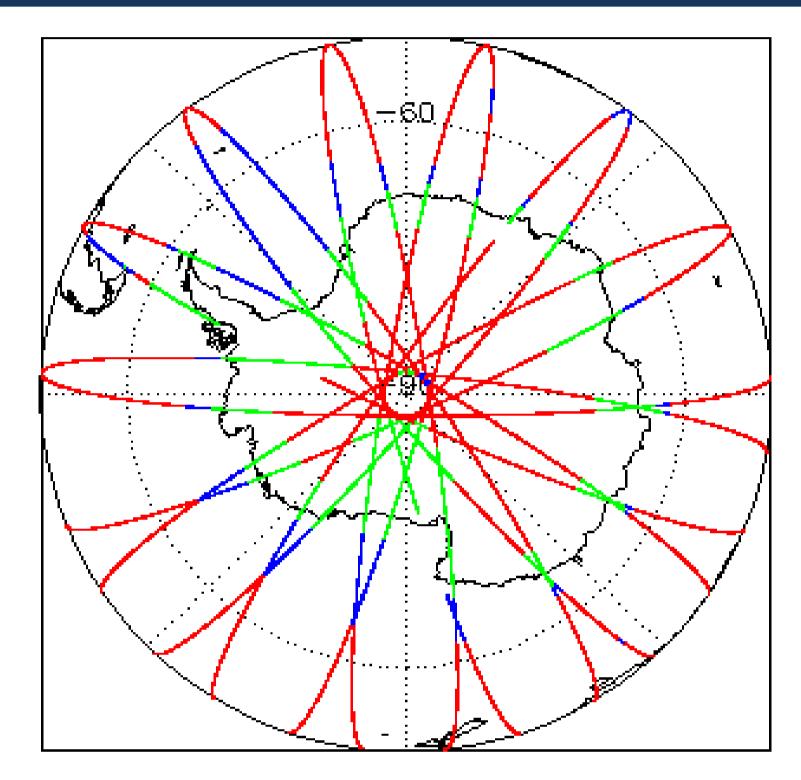
Report Production:	20-Apr-2020	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

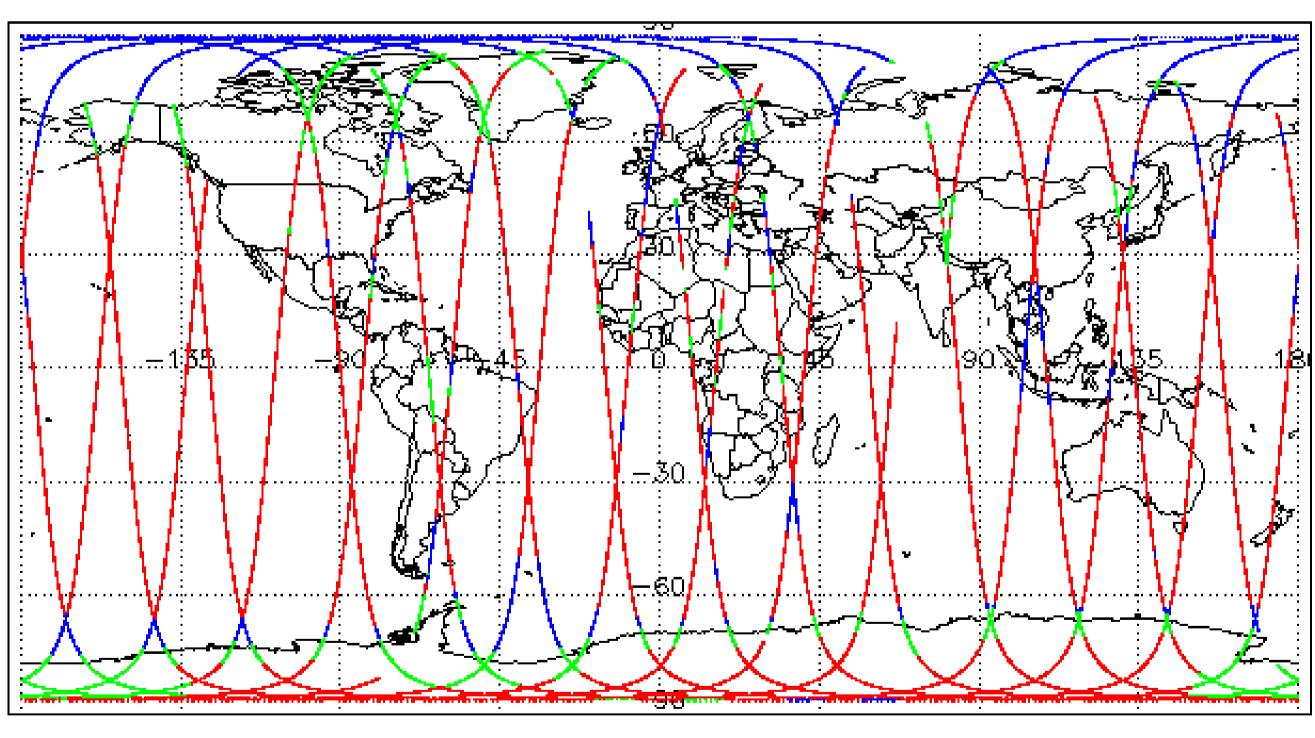
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement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

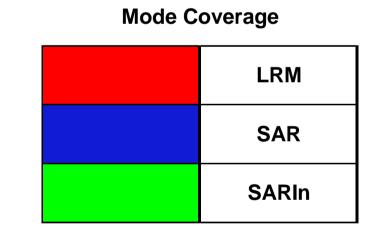
Mission / Instru	ment News
17-Apr-2020	None
18-Apr-2020	None
19-Apr-2020	Nothing planned

2. Global Coverage









3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The l1b_proc_flag_hr flag is currently set all L1B IOPR and IOPN products because the l1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200418T141658_20200418T141755_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200418T071637_20200418T072940_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200418T194440_20200418T195402_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200418T003131_20200418T003253_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200418T010750_20200418T011214_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200418T061728_20200418T061927_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200418T083600_20200418T083855_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200418T093542_20200418T093755_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200418T142819_20200418T142858_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200418T165439_20200418T165858_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200418T174409_20200418T174620_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200418T192633_20200418T192736_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200418T021148_20200418T021351_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200418T095042_20200418T095203_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

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Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

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.

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

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- > 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:

Co. OFFL. SIR. NOPYL. 200041970094 200041970094	Product	Test Failed	Description
Segont Se	CS_OFFL_SIR_NOPN_2_20200418T010750_20200418T011214_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
SCOFFL SIR NOPH 2 200041670042 2000416700408 CO1 CROPFL SIR NOPH 2 2000416700408 CO2 CROPFL SIR NOPH 2 2000416700408 CO2	CS_OFFL_SIR_NOPN_2_20200418T020113_20200418T020156_C001	Mean Dynamic Topography (1)	
Section Plant (1) Expospring (1) Cell CPFL SIR NORM 2 20000418T03040 2000418T03040 Cold Toppopphy (1) See Sign Section (1) Mean Dynamic Topopphy (2) See Sign Section (2) See	CS_OFFL_SIR_NOPN_2_20200418T021036_20200418T021148_C001	Mean Dynamic Topography (1)	
So OFFL SIR NORN 2 2000-41704055 2000418710259 C001 So OFFL SIR NORN 2 2000-41704055 2000418710259 C001 So OFFL SIR NORN 2 2000-41704055 2000418710259 C001 So OFFL SIR NORN 2 2000-4170405 2000418711025 C001 So	CS_OFFL_SIR_NOPN_2_20200418T024949_20200418T025139_C001	Mean Dynamic Topography (1)	
Topography (1) CS_OFFL_SR_NON_2_zoouthisToposes_zoouthisToposes_control for the SS_Service (1), Near Dynamic Topography (2) CS_OFFL_SR_NON_2_zoouthisToposes_zoouthisToposes_control for the SS_Service (1), Near Dynamic Topography (2), Near Dynamic Topography (3), Near Dynamic Topography (3), Near Dynamic Topography (4), Total Generative Coses Title (300); Near Dynamic Topography (3), Near Dynamic Topography (4), Near Dynamic Topography (4), Near Dynamic Topography (4), Near	CS_OFFL_SIR_NOPN_2_20200418T034044_20200418T034210_C001	Mean Dynamic Topography (1)	
Topography (1) GO FFIL. SR. NOPN 2 220041810750329 220041810760325 (2001 GO FFIL. SR. NOPN 2 22004181075032 22004181075032 (2001 GO FFIL. SR. NOPN 2 2200418107512 22004181075752 (2001 GO FFIL. SR. NOPN 2 2200418107512 22004181075752 (2001 GO FFIL. SR. NOPN 2 220041810757512 (20004181075757 (2001 GO FFIL. SR. NOPN 2 22004181075757 (2001 GO FFIL. SR. NOPN 2 2200418107575 (2001 GO FFIL. SR. NOPN 2 22	CS_OFFL_SIR_NOPN_2_20200418T034725_20200418T035028_C001		· · · · · · · · · · · · · · · · · · ·
Topograph (1) Topograph (1) Man Sus Surface (1)	CS_OFFL_SIR_NOPN_2_20200418T052043_20200418T052349_C001		, , , , ,
CS_OFFL_SIR_NOPN_2_20200418T070103_20200418T070237_C001 Mans Sing Surface (1), Mean Dynamic Topography (1) more or control from a fund in the land Dynamic Topography (1) more official Surface (1), Mean Dynamic Topography (1) more or control from a fund in the land Dynamic topography (1) more official Surface (1), Mean Dynamic Topography (1) more or control from a fund in the land Dynamic topography (1) more official Surface (1), Mean Dynamic Topography (1) more or control from a fund in the land Dynamic topography (1) more or control for control from a fund in the land Dynamic topography (1) more or control for more o	CS_OFFL_SIR_NOPN_2_20200418T052626_20200418T052859_C001	, ,	· · · · · · · · · · · · · · · · · · ·
CS_OFFL_SR_NOPN_2_20004181107855_200041811080229 C001 CS_OFFL_SR_NOPN_2_200041811080229 C001 CS_OFFL_SR_NOPN_2_200041811080229 C001 CS_OFFL_SR_NOPN_2_20004181108025 0200418108025 C001 CS_OFFL_SR_NOPN_2_2000418110805 02004181080355 C001 CS_OFFL_SR_NOPN_2_20004181108022 02004181080355 C001 CS_OFFL_SR_NOPN_2_2000418110802 0200418110803 C001 CS_OFFL_SR_NOPN_2_2000418110802 0200418110800 C001 CS_OFFL_SR_NOPN_2_2000418110802 0200418110800 C001 CS_OFFL_SR_NOPN_2_2000418111804 020041811080 C001 CS_OFFL_SR_NOPN_2_2000418111805 C001 CS_OFFL_SR_NOPN_2_2000418111805 C00041811400 C001 CS_OFFL_SR_NOPN_2_2000418111805 C001 CS_OFFL_SR_NOPN_2_2000418111805 C00041811400 C001 CS_OFFL_SR_NOPN_2_2000418111805 C00041811400 C001 CS_OFFL_SR_NOPN_2_200041811400 C00041811500 C001 CS_OFFL_SR_NOPN_2_200041811400 C00041811600 C0004181100 C00041811	CS_OFFL_SIR_NOPN_2_20200418T061728_20200418T061927_C001	` '	
CS. OFFL. SIR. NOPN. 2. 200004187075812 200004187080229_C001 Total Soccornitr. Ocean Tide (SOT) Mean Dynamic Toography (1) Mean Dynamic Too	CS_OFFL_SIR_NOPN_2_20200418T070103_20200418T070337_C001	Topography (1)	Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_2020418T03600_2020418T02032_COOT Mean Dynamic Topography (1) Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_NOPN_2_2020418T030342_2020418T02032_COOT Mean Dynamic Topography (1) Total Geocentric Ocean Tide (GoT) Total Geocentric Ocean Tide (solution 1: GOT) for one or more records There is an error with the Mass Paymin Topography (1) There is an error with the Mass Paymin Topography height (solution 1) and the Mean Dynamic Topography (1) Total Geocentric Ocean Tide (GoT) There is an error with the Mass Paymin Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mass Paymin Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mass Paymin Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mass Paymin Topography height (solution 1) for one or more records There is an error with the Mass Paymin Topography height (solution 1) for one or more records There is an error with the Mass Paymin Topography height (solution 1) for one or more records There is an error with the Mass Paymin Topography height (solution 1) for one or more records There is an error with the Mass Paymin Topography height (solution 1) for one or more records There is an error with the Mass Paymin Topography height (solution 1) for one or more records There is an error with the Mass Paymin Topography height (solution 1) for one or more records There is an error with the Mass Paymin Topography height (solution 1) for one or more records There is an error with the Mass Paymin Topography height (solution 1) and the Mean Dynamic Topogr	CS_OFFL_SIR_NOPN_2_20200418T075612_20200418T075729_C001	Topography (1), Total Geocentric Ocean	Topography (solution 1) and the tidal corrections for one or more records
Geocentric Ocean Tide (GOT) Total Geocen	CS_OFFL_SIR_NOPN_2_20200418T075955_20200418T080229_C001	, ,	GOT) for one or more records
CS_OFF_SIR_NOPN_2_0200418T101802_0200418T102002_C001 Name Sas Surface (1), Mean Dynamic Topography (2) Mean Dynamic Topography (3) Mean Dynamic Topography (4) Mean Dynamic Topography (4) Mean Dynamic Topography (5) Mean Dynamic Topography (6) Mean Dynamic Topography (6) Mean Dynamic Topography (7) Mean Dynamic Topography (8) Topography (8) Mean Dynamic Topography (8) Mean Dynamic Topography (8) Mean Dynamic Topography (8) Topography (8) Mean Dynamic Topography	CS_OFFL_SIR_NOPN_2_20200418T083600_20200418T083855_C001		Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
Topography (1) Topogr	CS_OFFL_SIR_NOPN_2_20200418T093542_20200418T093755_C001		more records
CS OFFL SIR NOPN 2 20200418T14305 20200418T14956 2011 Mean Dynamic Topography (1) Mean Dynamic Topography (2) Mean Dynamic Topography (3) Mean Dynamic Topography (4) Mea	CS_OFFL_SIR_NOPN_2_20200418T101822_20200418T102002_C001		Topography height (solution 1) for one or more records
Topography (1) Topography (2) Topography (3) Topography (3) Total Geocentric Ocean Tide (GOT) Total Geocentr	CS_OFFL_SIR_NOPN_2_20200418T111502_20200418T111947_C001		more records
Topography (1) Topography (1) Topography (1) Topography (1) Total Geocentric Ocean Tide (GOT) Total Geocentr	CS_OFFL_SIR_NOPN_2_20200418T120640_20200418T120918_C001	Topography (1)	Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200418T14195_20200418T144005_C001 CS_OFFL_SIR_NOPN_2_20200418T152036_C001 CS_OFFL_SIR_NOPN_2_20200418T152036_C001 CS_OFFL_SIR_NOPN_2_20200418T15250_20200418T152036_C001 CS_OFFL_SIR_NOPN_2_20200418T15250_20200418T152036_C001 CS_OFFL_SIR_NOPN_2_20200418T17050_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (solution 1) and the Mean Dynamic Topog	CS_OFFL_SIR_NOPN_2_20200418T133741_20200418T134131_C001	Topography (1)	Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200418T15722_20200418T152036_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) There is an error with the MSS 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) There is an error with the MSS 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) There is an error with the MSS 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) There is an error with the MSS 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) There is an error with the MSS 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) There is an error with the MSS 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) There is an error with the MSS 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) There is an error with the MSS 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) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mea	CS_OFFL_SIR_NOPN_2_20200418T141905_20200418T141927_C001	Topography (1), Total Geocentric Ocean	Topography (solution 1) and the tidal corrections for one or more records
Topography (1) Topography (2) Topography (3) Topography (4) Topography (4) Topography (5) Topography (6) Topography (7) Topography (8) Topography (8) Topography (9) Topography (1) Topography (1) Topography (1) Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FCPT). Trail Geocentric Ocean Tide (TCPT). Tr	CS_OFFL_SIR_NOPN_2_20200418T143839_20200418T144005_C001	, ,	GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T1706C_001 Mean Sea Surface (1), Mean Dynamic Topography (1) for one or more records CS_OFFL_SIR_NOPN_2_20200418T174409_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T192104_20200418T192515_C001 CS_OFFL_SIR_NOPN_2_20200418T192104_20200418T192736_C001 CS_OFFL_SIR_NOPN_2_20200418T192633_20200418T192736_C001 CS_OFFL_SIR_NOPN_2_20200418T202030_20200418T202301_C001 CS_OFFL_SIR_NOPN_2_20200418T202030_20200418T202301_C001 CS_OFFL_SIR_NOPN_2_20200418T202030_20200418T202301_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T202301_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T20001_C001 CS_OFFL_SIR_NOPN_2_20200418T20001_C001 CS_OFFL_SIR_NOPN_2_20200418T11000_20200418T11000_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error	CS_OFFL_SIR_NOPN_2_20200418T151722_20200418T152036_C001		Topography height (solution 1) for one or more records
Topography (1) mean Lymanic Topography (1) Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_NOPN_2_20200418T17469_2020418T192515_C001 CS_OFFL_SIR_NOPN_2_20200418T192104_20200418T192515_C001 CS_OFFL_SIR_NOPN_2_20200418T1920303_20200418T192736_C001 CS_OFFL_SIR_NOPN_2_20200418T1920303_20200418T192736_C001 CS_OFFL_SIR_NOPN_2_20200418T202030_20200418T192736_C001 CS_OFFL_SIR_NOPN_2_20200418T20030_20200418T192736_C001 CS_OFFL_SIR_NOPN_2_20200418T20030_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T20104_202000418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_202000418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T215938_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T215938_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T214106_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T214106_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T214106_20200418T203013_C001 CS_OFFL_SIR_NOPN_2_20200418T214106_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T200301_C001 CS_OFFL_SIR_NOPN_2_20200418T11049_20200418T125539_C001 CS_OFFL_SIR_NOPR_2_20200418T11049_20200418T11502_C001 Mean Sea Surface (1), Mean Dynamic Topography (ii) Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is	CS_OFFL_SIR_NOPN_2_20200418T152550_20200418T152706_C001		more records
CS_OFFL_SIR_NOPN_2_20200418T17490_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T192104_20200418T192515_C001 CS_OFFL_SIR_NOPN_2_20200418T192104_20200418T192515_C001 CS_OFFL_SIR_NOPN_2_20200418T192104_20200418T192536_C001 CS_OFFL_SIR_NOPN_2_20200418T192633_20200418T192736_C001 CS_OFFL_SIR_NOPN_2_20200418T202030_20200418T202030_C001 CS_OFFL_SIR_NOPN_2_20200418T202030_20200418T202030_C001 CS_OFFL_SIR_NOPN_2_20200418T202030_C00148T202030_C001 CS_OFFL_SIR_NOPN_2_20200418T20104_20200418T210420_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T210420_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T210420_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T202031_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T202031_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T202031_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T202031_C001 CS_OFFL_SIR_NOPN_2_20200418T216938_20200418T202031_C001 CS_OFFL_SIR_NOPN_2_20200418T224106_20200418T20457_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Topography (1) There is an error with the MSS 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) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solu	CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T170610_C001	Topography (1)	Topography height (solution 1) for one or more records
Topography (1) Topography (20200418T174705_20200418T19215_C001 Topography (1) Topography (1), Total Geocentric Ocean Tide (GOT) Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS 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) There is an error with the MSS 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) There is an error with the MSS 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) There is an error with the Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS 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) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (eight (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (eight (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (eight (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (eight (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more record	CS_OFFL_SIR_NOPN_2_20200418T174409_20200418T174620_C001	Tide (GOT) Total Geocentric Ocean	Topography (solution 1) and the tidal corrections for one or more records
Geocentric Ocean Tide (GOT) Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS 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) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the 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 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the 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 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with	CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001	Topography (1)	Topography height (solution 1) for one or more records
Topography (1) Topography (20200418T192633_20200418T192633_20200418T192630_C001 CS_OFFL_SIR_NOPN_2_20200418T202030_20200418T202030_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T210420_C001 CS_OFFL_SIR_NOPN_2_20200418T215938_20200418T220313_C001 CS_OFFL_SIR_NOPN_2_20200418T215938_20200418T220313_C001 CS_OFFL_SIR_NOPN_2_20200418T21040_20200418T220313_C001 CS_OFFL_SIR_NOPN_2_20200418T224106_20200418T2224457_C001 CS_OFFL_SIR_NOPN_2_20200418T111049_20200418T111502_C001 CS_OFFL_SIR_NOPR_2_20200418T111049_20200418T111502_C001 CS_OFFL_SIR_NOPR_2_20200418T111049_20200418T111502_C001 CS_OFFL_SIR_NOPR_2_20200418T11164525_20200418T115539_C001 CS_OFFL_SIR_NOPR_2_20200418T1114552_20200418T141904_C001 CS_OFFL_SIR_NOPR_2_20200418T141755_20200418T141904_C001 Topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error	CS_OFFL_SIR_NOPN_2_20200418T192104_20200418T192515_C001	Geocentric Ocean Tide (GOT)	Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
Topography (1) CS_OFFL_SIR_NOPN_2_20200418T202030_20200418T210420_C001 CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T210420_C001 CS_OFFL_SIR_NOPN_2_20200418T215938_20200418T220313_C001 CS_OFFL_SIR_NOPN_2_20200418T224106_20200418T220313_C001 CS_OFFL_SIR_NOPN_2_20200418T224106_20200418T224457_C001 CS_OFFL_SIR_NOPR_2_20200418T111049_20200418T111502_C001 CS_OFFL_SIR_NOPR_2_20200418T111049_20200418T111502_C001 CS_OFFL_SIR_NOPR_2_20200418T111049_20200418T111502_C001 CS_OFFL_SIR_NOPR_2_20200418T124525_20200418T125539_C001 CS_OFFL_SIR_NOPR_2_20200418T114755_20200418T141904_C001 CS_OFFL_SIR_NOPR_2_20200418T141755_20200418T141904_C001 CS_OFFL_SIR_NOPR_2_20200418T141755_20200418T141904_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) Topography (1) Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS 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) Topography (1) Topography (1) Topography (1) Topography (2) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Topography (1) Topography (1) Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) 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 There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Topography (1) 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 There is an error with the MSS height (solution 1) and the M	CS_OFFL_SIR_NOPN_2_20200418T192633_20200418T192736_C001	Topography (1)	Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T220313_C001 CS_OFFL_SIR_NOPN_2_20200418T224106_20200418T220313_C001 CS_OFFL_SIR_NOPN_2_20200418T224106_20200418T224457_C001 CS_OFFL_SIR_NOPR_2_20200418T111049_20200418T111502_C001 CS_OFFL_SIR_NOPR_2_20200418T124525_20200418T125539_C001 CS_OFFL_SIR_NOPR_2_20200418T124525_20200418T141904_C001 CS_OFFL_SIR_NOPR_2_20200418T1442859_20200418T1413646_C001 Geocentric Ocean Tide (GOT) Total Geocentric Ocean Tide (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topog	CS_OFFL_SIR_NOPN_2_20200418T202030_20200418T202301_C001	Topography (1)	Topography height (solution 1) for one or more records
Topography (1) CS_OFFL_SIR_NOPN_2_20200418T224106_20200418T224457_C001 CS_OFFL_SIR_NOPN_2_20200418T224106_20200418T224457_C001 CS_OFFL_SIR_NOPR_2_20200418T111049_20200418T111502_C001 CS_OFFL_SIR_NOPR_2_20200418T111049_20200418T111502_C001 CS_OFFL_SIR_NOPR_2_20200418T1124525_20200418T125539_C001 CS_OFFL_SIR_NOPR_2_20200418T124525_20200418T141904_C001 CS_OFFL_SIR_NOPR_2_20200418T141755_20200418T141904_C001 CS_OFFL_SIR_NOPR_2_20200418T141755_20200418T141904_C001 CS_OFFL_SIR_NOPR_2_20200418T141755_20200418T1418666_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution	CS_OFFL_SIR_NOPN_2_20200418T210104_20200418T210420_C001	Geocentric Ocean Tide (GOT)	Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
Topography (1) CS_OFFL_SIR_NOPR_2_20200418T111049_20200418T111502_C001 CS_OFFL_SIR_NOPR_2_20200418T111049_20200418T111502_C001 CS_OFFL_SIR_NOPR_2_20200418T125539_C001 CS_OFFL_SIR_NOPR_2_20200418T125539_C001 CS_OFFL_SIR_NOPR_2_20200418T141755_20200418T141904_C001 CS_OFFL_SIR_NOPR_2_20200418T141755_20200418T141904_C001 Mean Sea Surface (1), Mean Dynamic Topography (eight (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is		Topography (1)	Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200418T111049_20200418T111502_C001 Topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic		Topography (1)	Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200418T124525_20200418T125539_C001 Topography (1) Topography (1) Mean Dynamic Topography (1) Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Mean Dynamic Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic		Topography (1)	Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_202004181141755_202004181141904_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic		Topography (1)	Topography height (solution 1) for one or more records
US OFFI SIK NOPK / 707004161147639 707004161143046 C001			more records
	CS_OFFL_SIR_NOPR_2_20200418T142859_20200418T143646_C001	Topography (1)	Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200418T160844_20200418T161944_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) Topography height (solution 1) for one or more records	CS_OFFL_SIR_NOPR_2_20200418T160844_20200418T161944_C001		, , , , , , , , , , , , , , , , , , , ,
CS_OFFL_SIR_NOPR_2_20200418T174829_20200418T175611_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_20200418T174829_20200418T175611_C001		• • • • • • • • • • • • • • • • • • • •
CS_OFFL_SIR_NOPR_2_20200418T192736_20200418T193259_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_20200418T192736_20200418T193259_C001		, , , , , , , , , , , , , , , , , , , ,
CS_OFFL_SIR_NOPR_2_20200418T202301_20200418T202526_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_20200418T202301_20200418T202526_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
Unlean Sea Surrace (1), Mean Dynamic CS_OFFL_SIR_NOPR_2_20200418T205617_20200418T205715_C001 Topography (1), Total Geocentric Ocean Tide (GOT) I nere is an error with the MISS neight (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records	CS_OFFL_SIR_NOPR_2_20200418T205617_20200418T205715_C001	Topography (1), Total Geocentric Ocean	Topography height (solution 1) and the Total Geocentric Ocean Tide height
CS_OFFL_SIR_NOPR_2_20200418T210635_20200418T211333_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) Topography height (solution 1) for one or more records	CS_OFFL_SIR_NOPR_2_20200418T210635_20200418T211333_C001	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic

CS_OFFL_SIR_NOPR_2_20200418T212711_20200418T213402_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_20200418T224457_20200418T225004_C001	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200418T141658_20200418T141755_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200417T235538_20200418T002112_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_20200418T002237_20200418T002758_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_20200418T002805_20200418T003131_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_20200418T003441_20200418T010750_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_20200418T013230_20200418T015056_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_20200418T015427_20200418T020049_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_20200418T020238_20200418T021036_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_20200418T021351_20200418T024748_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_20200418T030107_20200418T030209_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_20200418T032854_20200418T034005_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_20200418T034210_20200418T034724_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_20200418T035326_20200418T041538_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_20200418T041823_20200418T042752_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_20200418T043910_20200418T044300_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_20200418T045232_20200418T045623_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_20200418T045823_20200418T050429_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_20200418T050616_20200418T051846_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_20200418T052349_20200418T052625_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_20200418T053320_20200418T060318_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_20200418T060408_20200418T060537_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_20200418T062213_20200418T065359_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_20200418T070337_20200418T070532_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_20200418T070736_20200418T071038_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_20200418T071222_20200418T071611_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_20200418T071636_20200418T072940_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_20200418T072942_20200418T074055_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_NOPM_2_20200418T075729_20200418T075955_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_20200418T080229_20200418T080442_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_NOPM_2_20200418T080631_20200418T081836_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_20200418T083502_20200418T083600_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_20200418T084211_20200418T084451_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_20200418T084510_20200418T084938_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_20200418T085140_20200418T090625_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_NOPM_2_20200418T090804_20200418T091047_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_NOPM_2_20200418T094452_20200418T095042_C001	The state of the s	The Ocean Altimeter Range, SSHA, SWH 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_20200418T095325_20200418T101729_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_NOPM_2_20200418T102003_20200418T102847_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_20200418T103111_20200418T105559_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_NOPM_2_20200418T105832_20200418T105922_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_20200418T113128_20200418T115616_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_NOPM_2_20200418T120218_20200418T120640_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_20200418T121012_20200418T123958_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_NOPM_2_20200418T130325_20200418T133533_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_20200418T134131_20200418T134719_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_20200418T134849_20200418T135503_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_20200418T135821_20200418T140546_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_20200418T144005_20200418T151425_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_20200418T152036_20200418T152550_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_20200418T152743_20200418T153037_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_20200418T153153_20200418T154656_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_20200418T155325_20200418T155607_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_20200418T160307_20200418T160436_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_20200418T161945_20200418T162842_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_20200418T163127_20200418T164724_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_20200418T164727_20200418T165308_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_20200418T170043_20200418T170454_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_20200418T170705_20200418T172906_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_20200418T172949_20200418T173420_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_20200418T180022_20200418T180408_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_20200418T180514_20200418T181615_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_20200418T181617_20200418T182457_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_20200418T182459_20200418T183222_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_20200418T183409_20200418T183935_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_20200418T183954_20200418T184216_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_20200418T185040_20200418T190309_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_20200418T190405_20200418T192057_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_20200418T194440_20200418T195402_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_20200418T195605_20200418T201137_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_20200418T201336_20200418T201832_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_20200418T202727_20200418T203955_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_20200418T204435_20200418T205617_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_20200418T205715_20200418T205729_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_20200418T213526_20200418T215029_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_20200418T215304_20200418T215746_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_20200418T220401_20200418T223107_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_20200418T070103_20200418T070337_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_20200418T105922_20200418T110043_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_20200418T112038_20200418T112200_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_20200418T230221_20200418T230448_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_20200418T021148_20200418T021351_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_20200418T060318_20200418T060408_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_20200418T060722_20200418T060742_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_20200418T081837_20200418T082049_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_20200418T170610_20200418T170705_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_20200418T173420_20200418T173639_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_20200418T215030_20200418T215048_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors: 82

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200418T002112_20200418T002237_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_20200418T003131_20200418T003253_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_20200418T010750_20200418T011214_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_20200418T024949_20200418T025139_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_20200418T030353_20200418T030516_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_20200418T032223_20200418T032304_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_20200418T034044_20200418T034210_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.

Co. On 1, SM 1, VOM 2, 2000M 1970M 2000M 1970M 2000M 2001M 2000M 2001M 2000M 2	CS_OFFL_SIR_NOPN_2_20200418T034725_20200418T035028_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
### ADMIN 2-9203H ### ADMIN 2-	CS_OFFL_SIR_NOPN_2_20200418T052043_20200418T052349_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
### NOTE: SER NOTE: 2 2020-1477402. 2020-1477404. 2011 **BIRCHARD SERVICE STATE OF THE PROPERTY OF THE PROPER	CS_OFFL_SIR_NOPN_2_20200418T070103_20200418T070337_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
## CODE Allers From 2 200004 et trouver 200004 et trouver 2 2000004 et trouver 2 200004 et trouver 2 20000	CS_OFFL_SIR_NOPN_2_20200418T071038_20200418T071200_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Constitution Cons	CS_OFFL_SIR_NOPN_2_20200418T074055_20200418T074324_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Secretary 1995 19	CS_OFFL_SIR_NOPN_2_20200418T075955_20200418T080229_C001		
12.00 1.00	CS_OFFL_SIR_NOPN_2_20200418T083600_20200418T083855_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DOCG Subscared Coality DOCG Surviva and Buckscared Coality Flags have been set for one or one record.	CS_OFFL_SIR_NOPN_2_20200418T093542_20200418T093755_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DOCS Altracter Range Quality PLRV. CS_OFFL_SIR_NOPN_2_20000+3711599_2000418711997_C001 DOCS Altracter Range Quality PLRV. CS_OFFL_SIR_NOPN_2_20000+3711599_2000418711999_C001 DOCS Altracter Range Quality PLRV. CS_OFFL_SIR_NOPN_2_20000+3713794_20000418715999_C001 ES_OFFL_SIR_NOPN_2_20000+3713794_2000041871599_C001 DOCS Altracter Range Quality PLRV. CS_OFFL_SIR_NOPN_2_20000+3713794_20000418714944_C001 DOCS Altracter Range Quality PLRV. CS_OFFL_SIR_NOPN_2_20000+3713794_20000418714944_C001 DOCS Altracter Range Quality PLRV. CS_OFFL_SIR_NOPN_2_20000+3713794_20000418714949_C001 DOCS Altracter Range Quality PLRV. CS_OFFL_SIR_NOPN_2_20000+3713794_20000418714944_C001 DOCS Altracter Range Quality PLRV. CS_OFFL_SIR_NOPN_2_20000+3713794_20000418714979_C001 DOCS Altracter Range Quality PLRV. COCS Reconstructed Quality DOCS Reconstructed Quality DOC	CS_OFFL_SIR_NOPN_2_20200418T093846_20200418T094114_C001	_	
OCCI Businessmar County OCCI FIL. SIR. NOPN.2. 20200418114799, 20200418114934. COCI OCCI Attractor Range SIA SIA SIA Interfer Range and Businessmar County Plant Roci Coci Minister Range SIA SIAH Intel Businessmar County Plant Roci Coci All Roci Range SIA SIAH Intel Businessmar County Plant Roci Coci All Roci Range SIA SIAH Intel Businessmar County Plant Roci Coci All Roci Range SIAH SIAH Intel Businessmar County Plant Roci Coci All Roci Range SIAH SIAH Intel Businessmar Coci Range SIAH SIAH Intel Businessmar Coci Range Range Range SIAH SIAH Intel Businessmar Coci Range SIAH SIAH Intel Businessmar Coci Range SIAH SIAH Intel Businessmar Coci Range Range Range SIAH SIAH Intel Businessmar Range Range Range SIAH SIAH Intel Businessmar Range Range Range Range SIAH SIAH Intel Businessmar Range	CS_OFFL_SIR_NOPN_2_20200418T094330_20200418T094452_C001		
DE OFFL SIR NOPN 2 20200418T14759 20200418T14324 C001 CS OFFL SIR NOPN 2 20200418T14374 20200418T14324 C001 CS OFFL SIR NOPN 2 20200418T14324 20200418T14324 C001 CS OFFL SIR NOPN 2 20200418T14324 20200418T14324 C001 CS OFFL SIR NOPN 2 20200418T14324 20200418T14324 C001 CS OFFL SIR NOPN 2 20200418T14237 20200418T14324 C001 CS OFFL SIR NOPN 2 20200418T14237 20200418T14324 C001 CS OFFL SIR NOPN 2 20200418T14237 20200418T14324 C001 CS OFFL SIR NOPN 2 20200418T14324 20200418T14325 C0000418T14424 C001 CS OFFL SIR NOPN 2 20200418T14324 20200418T14424 C001 CS OFFL SIR NOPN 2 20200418T14424 20200418T14424 C001 C	CS_OFFL_SIR_NOPN_2_20200418T111502_20200418T111947_C001		
CS_OFFL_SIR_NOPN_2_202004187134792_202004187134791_2001 And Backscatter Quality PLRM. GOODS Allimenter Range Quality PLRM. GOODS Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_202004187142342_202004187142444_0001 CS_OFFL_SIR_NOPN_2_202004187142344_202004187142844_0001 CS_OFFL_SIR_NOPN_2_202004187142846_202004187142844_0001 CC_OGS_Allimenter Range Quality PLRM. GOODS Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_202004187142846_202004187142847_0001 CC_OGS_Allimenter Range Quality PLRM. GOODS Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_202004187142846_202004187142987_0001 CC_OGS_Allimenter Range Quality PLRM. GOODS Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_202004187143848_202004187142080_0001 CC_OGS_Allimenter Range Quality PLRM. GOODS Range and Backscatter Quality Flags have been set for one or more records. CC_OGS_Allimenter Range Quality PLRM. GOODS Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200418715055_20200418715208_0001 CC_OGS_Allimenter Range Quality PLRM. GOODS Range and Backscatter Quality Flags have been set for one or more records. CC_OGS_Allimenter Ra	CS_OFFL_SIR_NOPN_2_20200418T115759_20200418T115931_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200418T134718_20200418T134840_COO1 All meter Range Quality PLRM, COOS All meter Range Quality PLRM, COOS All meter Range Quality PLRM, COOS All meter Range Quality PLRM. CS_OFFL_SIR_NOPN_2_20200418T14123T_20200418T149741 COO1 CS_OFFL_SIR_NOPN_2_20200418T14123T_20200418T149741 COO1 CS_OFFL_SIR_NOPN_2_20200418T14123T_20200418T149742 COO1 CS_OFFL_SIR_NOPN_2_20200418T14123T_20200418T149742 COO1 CS_OFFL_SIR_NOPN_2_20200418T142342 Quality PLRM, COOS Buckscatter Quality PL	CS_OFFL_SIR_NOPN_2_20200418T133741_20200418T134131_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS OFFL SIR NOPN 2 20200418T141237 20200418T141342 C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS OFFL SIR NOPN 2 20200418T151722 20200418T152036 C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS OFFL SIR NOPN 2 20200418T154656 20200418T154818 C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS OFFL SIR NOPN 2 20200418T174765 20200418T174829 C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one o	CS_OFFL_SIR_NOPN_2_20200418T134719_20200418T134840_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality PLRM. CS_OFFL_SIR_NOPN_2_20200418T142341_20200418T142444_C001 OCOG Altimeter Range Quality PLRM. COG Backscatter Quality PLRM. COG Altimeter Range Quality PLRM. CS_OFFL_SIR_NOPN_2_20200418T152550_20200418T152706_C001 CS_OFFL_SIR_NOPN_2_20200418T152550_20200418T152706_C001 CCS_OFFL_SIR_NOPN_2_20200418T154656_20200418T154818_C001 CCG Altimeter Range Quality PLRM. CCG Gackscatter Quality PLRM. CCG Gackscatt	CS_OFFL_SIR_NOPN_2_20200418T140546_20200418T140741_C001		
CS_OFFL_SIR_NOPN_2_20200418T142546_20200418T142624_C001 CS_OFFL_SIR_NOPN_2_20200418T142546_20200418T142624_C001 CS_OFFL_SIR_NOPN_2_20200418T143846_20200418T143757_C001 CS_OFFL_SIR_NOPN_2_20200418T143846_20200418T143757_C001 CS_OFFL_SIR_NOPN_2_20200418T143839_20200418T144005_C001 CS_OFFL_SIR_NOPN_2_20200418T143839_20200418T144005_C001 CS_OFFL_SIR_NOPN_2_20200418T151722_20200418T152036_C001 CS_OFFL_SIR_NOPN_2_20200418T151722_20200418T152036_C001 CS_OFFL_SIR_NOPN_2_20200418T152550_20200418T152036_C001 CS_OFFL_SIR_NOPN_2_20200418T152550_20200418T152706_C001 CS_OFFL_SIR_NOPN_2_20200418T154856_20200418T154818_C001 CS_OFFL_SIR_NOPN_2_20200418T154656_20200418T154818_C001 CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T170610_C001 CS_OFFL_SIR_NOPN_2_20200418T170055_20200418T170610_	CS_OFFL_SIR_NOPN_2_20200418T141237_20200418T141342_C001		
CS_OFFL_SIR_NOPN_2_20200418T143646_20200418T143757_C001 CS_OFFL_SIR_NOPN_2_20200418T143646_20200418T144005_C001 CS_OFFL_SIR_NOPN_2_20200418T152036 C001 CS_OFFL_SIR_NOPN_2_20200418T151722 20200418T152036 C001 CS_OFFL_SIR_NOPN_2_20200418T152550_20200418T152036 C001 CS_OFFL_SIR_NOPN_2_20200418T154656_20200418T154818_C001 CS_OFFL_SIR_NOPN_2_20200418T154656_20200418T154818_C001 CS_OFFL_SIR_NOPN_2_20200418T174655_20200418T174828 C001 CS_OFFL_SIR_NOPN_2_20200418T174705 20200418T174828 C001 CS_OFFL_SIR_NOPN_2_20200418T174705 20200418T174828 C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T178349 C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T178349 C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T178829 C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T178829 C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T178829 C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T178829 C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T178829 C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T178829 C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T18349 C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T178829 C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T18349 C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T18349 C001 CCS_OFFL_SIR_NOPN_2_20200418T183246_20200418T18349 C001 CCS_OFFL_SIR_	CS_OFFL_SIR_NOPN_2_20200418T142321_20200418T142444_C001		
CS_OFFL_SIR_NOPN_2_20200418T143839_20200418T144005_C001 CS_OFFL_SIR_NOPN_2_20200418T143839_20200418T144005_C001 CS_OFFL_SIR_NOPN_2_20200418T15722_20200418T152036_C001 CS_OFFL_SIR_NOPN_2_20200418T15722_20200418T152036_C001 CS_OFFL_SIR_NOPN_2_20200418T152550_20200418T152706_C001 CS_OFFL_SIR_NOPN_2_20200418T152550_20200418T152706_C001 CS_OFFL_SIR_NOPN_2_20200418T154656_20200418T154818_C001 CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T170610_C001 CS_OFFL_SIR_NOPN_2_20200418T170610_C001 CCG_Altimeter Range_QUality PLRM, COG_Altimeter Range_RSSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCG_Altimeter Range_QUality PLRM, COG_Altimeter Range_RSSHA, SWH and Backscatter Quality Flags and the OCG_Altimeter Range and Backscatter Quality Flags and the OCG_Altimeter Range and Backscatter Quality Flags and the OCG_Altimeter Range and Backscatter Quality Flags and	CS_OFFL_SIR_NOPN_2_20200418T142546_20200418T142624_C001		
OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_20200418T151722_20200418T152036_C001 CS_OFFL_SIR_NOPN_2_20200418T151722_20200418T152036_C001 CS_OFFL_SIR_NOPN_2_20200418T152550_20200418T152706_C001 CS_OFFL_SIR_NOPN_2_20200418T152550_20200418T152706_C001 CS_OFFL_SIR_NOPN_2_20200418T154856_20200418T154818_C001 CS_OFFL_SIR_NOPN_2_20200418T154856_20200418T154818_C001 CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T170610_C001 CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T170610_C001 CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T170610_C001 CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T170610_C001 CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001	CS_OFFL_SIR_NOPN_2_20200418T143646_20200418T143757_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200418T15250_2020418T152706_C001 CS_OFFL_SIR_NOPN_2_20200418T154656_20200418T154818_C001 CS_OFFL_SIR_NOPN_2_20200418T174655_20200418T176610_C001 CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001	CS_OFFL_SIR_NOPN_2_20200418T143839_20200418T144005_C001		
CS_OFFL_SIR_NOPN_2_20200418T15250_2020418T154818_C001 CS_OFFL_SIR_NOPN_2_20200418T154656_20200418T154818_C001 CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T170610_C001 CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T170610_C001 CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 OCOG Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200418T151722_20200418T152036_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200418T152550_20200418T152706_C001	_	
CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T170610_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 And Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200418T154656_20200418T154818_C001		
OCOG Backscatter Quality OCOG Backscatter Quality OCOG Backscatter Quality OCOG Backscatter Quality More records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200418T170455_20200418T170610_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPN_2_20200418T174705_20200418T174829_C001		
	CS_OFFL_SIR_NOPN_2_20200418T183246_20200418T183409_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPN_2_20200418T184216_20200418T184403_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_20200418T192104_20200418T192515_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_20200418T194049_20200418T194240_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_20200418T202526_20200418T202650_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_20200418T204003_20200418T204435_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_20200418T205730_20200418T205853_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_20200418T215049_20200418T215304_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_20200418T215938_20200418T220313_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_20200418T224106_20200418T224457_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_20200418T012033_20200418T012227_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_20200418T024856_20200418T024949_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_20200418T030318_20200418T030353_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_20200418T030516_20200418T030653_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_20200418T032601_20200418T032854_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_20200418T044300_20200418T044910_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_20200418T045053_20200418T045119_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_20200418T053137_20200418T053320_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_20200418T060722_20200418T060742_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_20200418T065400_20200418T070102_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_20200418T081837_20200418T082049_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_20200418T090625_20200418T090804_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_20200418T091047_20200418T091242_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_20200418T091242_20200418T091514_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_20200418T092936_20200418T093058_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_20200418T094114_20200418T094330_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_20200418T095042_20200418T095203_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_20200418T101729_20200418T101822_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_20200418T103041_20200418T103111_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_20200418T111049_20200418T111502_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_20200418T124525_20200418T125539_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_20200418T135504_20200418T135821_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_20200418T142248_20200418T142321_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_20200418T142859_20200418T143646_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_20200418T151425_20200418T151721_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_20200418T160844_20200418T161944_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_20200418T174829_20200418T175611_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_20200418T175957_20200418T180006_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_20200418T190309_20200418T190405_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_20200418T192736_20200418T193259_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_20200418T193823_20200418T193839_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_20200418T193842_20200418T193849_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_20200418T193902_20200418T193920_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_20200418T195402_20200418T195605_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_20200418T202301_20200418T202526_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_20200418T205617_20200418T205715_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_20200418T210635_20200418T211333_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_20200418T211748_20200418T211845_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_20200418T212711_20200418T213402_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_20200418T225041_20200418T225228_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

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:

131

55