

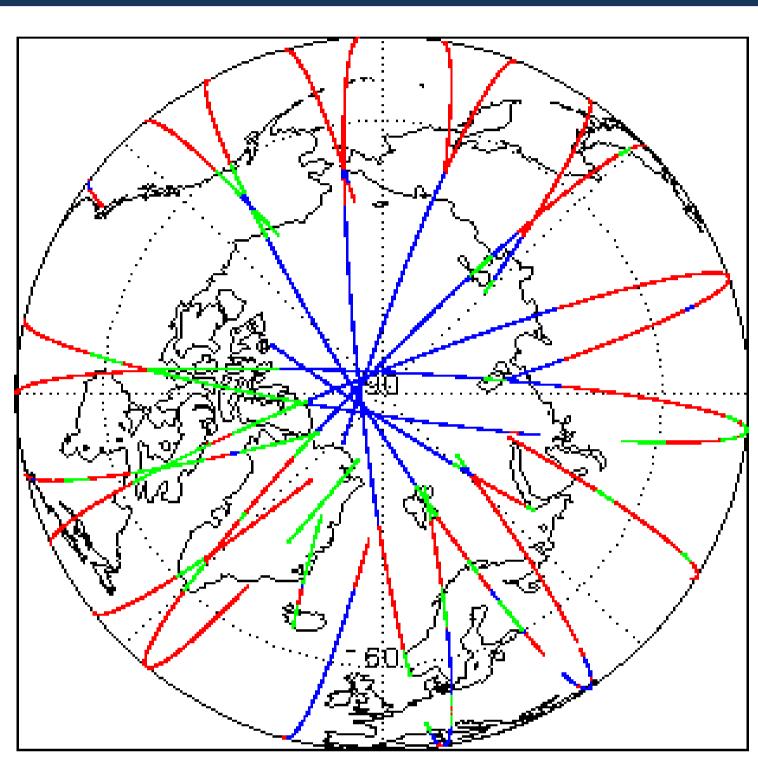
1. Overview

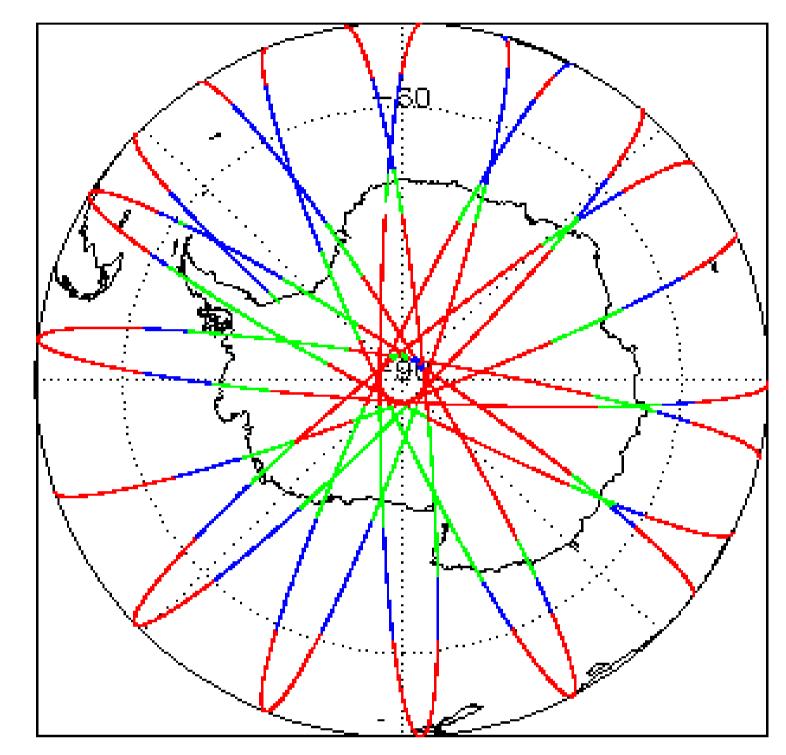
Report Production:	21-Sep-2020
Processor Used:	CryoSat Ocean Processor
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

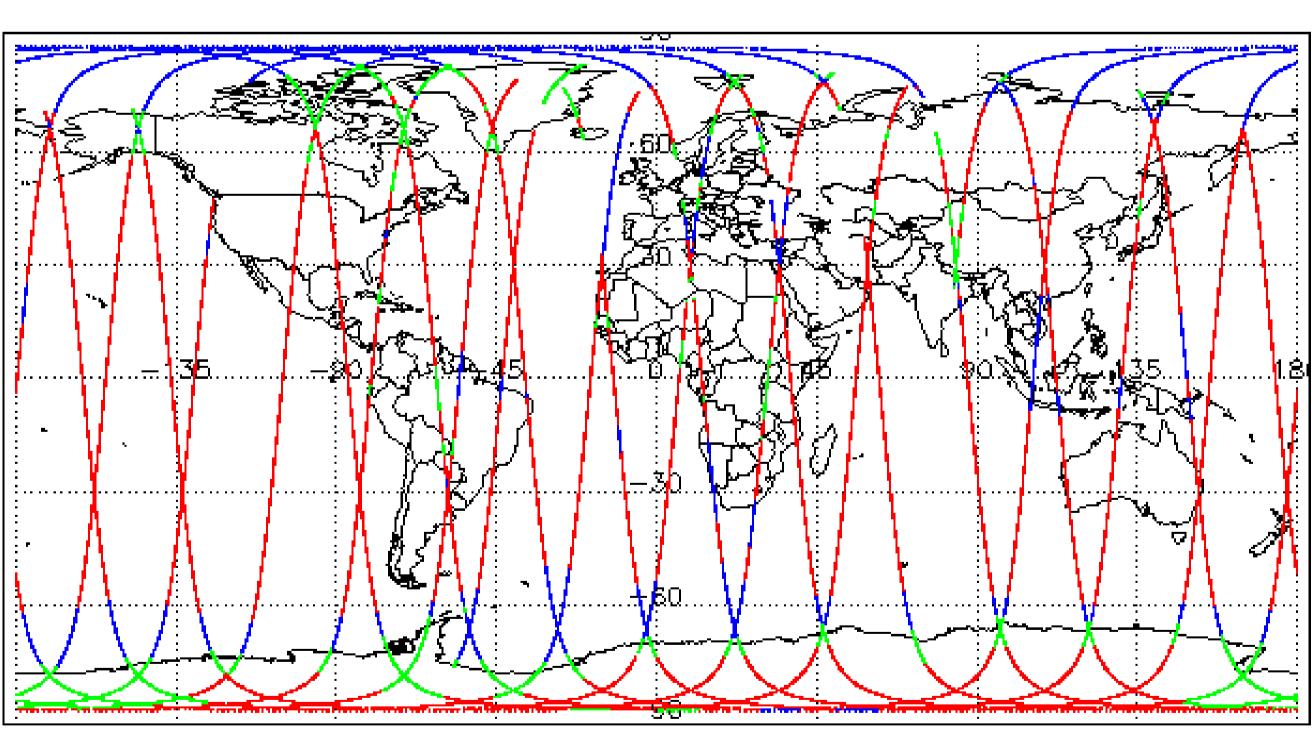
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement 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
QCC Error/ Warning Check	See Section 7.1 and 7.2

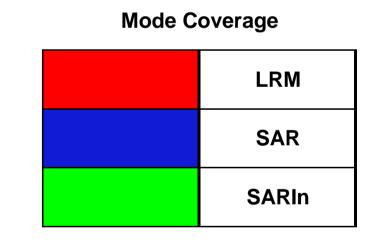
Mission / Instru	iment News
18-Sep-2020	None
19-Sep-2020	None
20-Sep-2020	Nothing planned

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 I1b_proc_flag_hr flag is currently set all L1B IOPR and IOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

0

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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_20200919T125444_20200919T131059_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20200919T164429_20200919T164905_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20200919T200548_20200919T200554_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:

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Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200919T015821_20200919T020210_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200919T125444_20200919T131059_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200919T004647_20200919T005224_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200919T032502_20200919T032949_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200919T064846_20200919T065003_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200919T095432_20200919T095638_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200919T113644_20200919T113734_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200919T131108_20200919T131354_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200919T195815_20200919T195909_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200919T022611_20200919T022832_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200919T113734_20200919T114318_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200919T171757_20200919T172001_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200919T182802_20200919T183000_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200919T235426_20200919T235934_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors: 0

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

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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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200919T061849_20200919T062526_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPM_2_20200919T123813_20200919T124609_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200919T004647_20200919T005224_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T014549_20200919T014758_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T014903_20200919T015133_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
CS_OFFL_SIR_NOPN_2_20200919T022832_20200919T023009_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200919T023857_20200919T024103_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200919T032502_20200919T032949_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T041649_20200919T041914_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200919T054746_20200919T055138_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20200919T063813_20200919T063910_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200919T072733_20200919T073046_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200919T073600_20200919T073711_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T090504_20200919T090923_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200919T091503_20200919T091625_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T095432_20200919T095638_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T105242_20200919T105429_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200919T113644_20200919T113734_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200919T123046_20200919T123309_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T131440_20200919T131651_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T140056_20200919T140306_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200919T140947_20200919T141416_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T145123_20200919T145515_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T150030_20200919T150104_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200919T173005_20200919T173141_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

CS_OFFL_SIR_NOPN_2_20200919T190013_20200919T190130_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200919T190703_20200919T191021_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T203934_20200919T204026_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T204559_20200919T204911_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20200919T222031_20200919T222306_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T222504_20200919T223037_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200919T231554_20200919T231852_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_20200919T031950_20200919T032502_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_20200919T045958_20200919T050533_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_20200919T062821_20200919T062955_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_20200919T063315_20200919T063327_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_20200919T063910_20200919T064701_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_20200919T081732_20200919T082609_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_20200919T095841_20200919T100644_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_20200919T113734_20200919T114318_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_20200919T131652_20200919T132350_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_20200919T145515_20200919T150030_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_20200919T182802_20200919T183000_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_20200919T235426_20200919T235934_C001	Mean Sea Surface (1)	There is an error with the MSS 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_20200919T125444_20200919T131059_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20200919T164429_20200919T164904_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20200919T200548_20200919T200554_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

Number of products with errors:

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Product	Test Failed	Description
CS OFFE SIR NOPM 2 202009191000736 202009191001141 C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200919T001300_20200919T002739_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_20200919T003502_20200919T004552_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_20200919T005225_20200919T005452_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_20200919T005519_20200919T005943_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_20200919T010237_20200919T011626_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_20200919T011806_20200919T012454_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_20200919T014815_20200919T014903_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_20200919T015821_20200919T020210_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_20200919T020333_20200919T020917_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_20200919T020959_20200919T022611_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_20200919T023009_20200919T023857_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_20200919T024227_20200919T030328_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_20200919T033210_20200919T040548_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_20200919T041223_20200919T041649_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_20200919T042158_20200919T044521_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_20200919T045734_20200919T045925_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_20200919T051408_20200919T051646_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_20200919T051811_20200919T054348_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_20200919T055139_20200919T055728_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_20200919T060055_20200919T061608_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_20200919T061849_20200919T062526_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_20200919T063635_20200919T063813_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_20200919T065003_20200919T072320_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_20200919T073046_20200919T073600_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_20200919T074243_20200919T074553_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_20200919T081320_20200919T081732_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_20200919T082610_20200919T082707_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.

Osan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been stronged and the Cook Altimeter Range and Backscatter Quality Flags have been stronged and the Cook Altimeter Range and Backscatter Quality Flags have been stronged and the Cook Altimeter Range and Backscatter Quality Flags have been stronged and the Cook Altimeter Range and Backscatter Quality Flags have been stronged backscatter Quality Flags have been
Backscatter Quality CS OFFL SIR NOPM 2 20200919T092019 20200919T093008 C001 CS OFFL SIR NOPM 2 20200919T092019 20200919T093008 C001 CS OFFL SIR NOPM 2 20200919T0930156 20200919T0930914 C001 CS OFFL SIR NOPM 2 20200919T094006 20200919T094430 C001 CS OFFL SIR NOPM 2 20200919T094006 20200919T094430 C001 CS OFFL SIR NOPM 2 20200919T00645 20200919T09645 C001 CS OFFL SIR NOPM 2 20200919T100645 20200919T106691 C001 CS OFFL SIR NOPM 2 20200919T106692 C000919T106692 C001 CS OFFL SIR NOPM 2 20200919T1106692 C000919T106692 C001 CS OFFL SIR NOPM 2 20200919T1106692 C000919T111317 C001 CS OFFL SIR NOPM 2 20200919T1106692 C000919T111317 C001 CS OFFL SIR NOPM 2 20200919T111335 C0200919T11310 C001 Altimeter Range SSHA, SWH and Backscatter Quality Flags have been as for one or more records. CS OFFL SIR NOPM 2 20200919T111305 C000919T11300 C001 Altimeter Range Quality, CCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been as for one or more records. CS OFFL SIR NOPM 2 20200919T11336 C0200919T11300 C001 Altimeter Range Quality, CCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been as for one or more records. CS OFFL SIR NOPM 2 20200919T113368 C0200
and Backscatter Quality Good Altimeter Range and Backscatter Quality Flags have bee Altimeter Range and Backscatter Quality Flags have been store on or more records. CS_OFFL_SIR_NOPM_2_20200919T104422_2020919T104947_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_2020919T1104947_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_2020919T1104947_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_2020919T1104947_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_2020919T1104947_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_2020919T1104947_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_2020919T1104947_C001 CS_OFFL_SIR_NOPM_2_20200919T11048_2020919T1104947_C001 CS_OFFL_SIR_NOPM_2_20200919T11048_2020919T1104947_C001 CS_OFFL_SIR_NOPM_2_20200919T1104947_C001 CS_OFFL
and Backscatter Quality, COGA Altimeter Range and Backscatter Quality Flags have bee Altimeter Range and Backscatter Quality Flags have bee Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200919T1094006_20200919T094430_C001 CS_OFFL_SIR_NOPM_2_20200919T100645_20200919T102631_C001 CS_OFFL_SIR_NOPM_2_20200919T100645_20200919T102631_C001 CS_OFFL_SIR_NOPM_2_20200919T102633_20200919T104126_C001 CS_OFFL_SIR_NOPM_2_20200919T102633_20200919T104126_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_20200919T104947_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_20200919T104947_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_20200919T104947_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_20200919T104947_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_20200919T104947_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T10448_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T10448_20200919T1105242_C001 CS_OFFL_SIR_NOPM_2_20200919T11048_20200919T1105242_C001 CS_OFFL_SIR_NOPM_2_20200919T11048_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T11048_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T11048_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T11048_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T10648_20200919T105
and the OCOG Altimeter Range and Backscatter Quality (CS_OFFL_SIR_NOPM_2_20200919T100645_20200919T102631_C001 CS_OFFL_SIR_NOPM_2_20200919T100645_20200919T102631_C001 CS_OFFL_SIR_NOPM_2_20200919T102633_20200919T104126_C001 CS_OFFL_SIR_NOPM_2_20200919T102633_20200919T104126_C001 CS_OFFL_SIR_NOPM_2_20200919T104422_20200919T104947_C001 CS_OFFL_SIR_NOPM_2_20200919T105006_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T105006_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T10048_20200919T11317_C001 CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T11317_C001 CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T11305_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T11305_20200919T113105_C001 CS_OFFL_SIR_NOPM_2_20200919T11305_20200919T11305_C001 CS_OFFL_SIR_NOPM_2_20200919T11305_20200919T11305_C001 CS_OFFL_SIR_NOPM_2_202009
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have bee Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_NOPM_2_20200919T105006_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T105006_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T11317_C001 CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T11317_C001 CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T111335_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T1113436_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T1113436_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T113436_20200919T113644_C001 CS_OFFL_SIR_NOPM_2_20200919T113436_20200919T113644_C001 CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have bee and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Q
and the OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200919T104422_20200919T104947_C001 CS_OFFL_SIR_NOPM_2_20200919T105006_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T105006_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T10048_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T11317_C001 CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T11317_C001 CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T11335_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T11335_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T113436_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T113436_20200919T113644_C001 CCGG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Backscatter Quality CS_OFFL_SIR_NOPM_2_20200919T105006_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T105006_20200919T105242_C001 CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T111317_C001 CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T111335_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T11335_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T113436_20200919T113644_C001 Backscatter Quality for one or more records. The 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. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200919T105006_20200919T105242_C001 Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200919T111335_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T11335_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T113436_20200919T113644_C001 Backscatter Quality 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_NOPM_2_20200919T113436_20200919T113644_C001 CS_OFFL_SIR_NOPM_2_20200919T113436_20200919T113644_C001 CS_OFFL_SIR_NOPM_2_20200919T113436_20200919T113644_C001
CS_OFFL_SIR_NOPM_2_20200919T110048_20200919T111317_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have bee set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have bee set for one or more records. CS_OFFL_SIR_NOPM_2_20200919T11335_20200919T113103_C001 CS_OFFL_SIR_NOPM_2_20200919T113436_20200919T113644_C001 OCOG Altimeter Range Quality, OCOG Backscatter Qu
CS_OFFL_SIR_NOPM_2_20200919T11335_20200919T113103_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality set for one or more records. CS_OFFL_SIR_NOPM_2_20200919T113436_20200919T113644_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Backscatter Quality for one or more records.
Ocean Altimeter Range, SSHA, SWH. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_NOPM_2_20200919T114514_20200919T115119_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range, 35HA, 5WH and Backscatter Quality Flags have bee Altimeter Range and Backscatter Quality Flags have bee Altimeter Range and Backscatter Quality Flags have bee and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been altimeter Range, 35HA, 3WH and Backscatter Quality Flags have been altimeter Range, 35HA, 3WH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been altimeter Range, 35HA, 3WH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been altimeter Ran
CS_OFFL_SIR_NOPM_2_20200919T115229_20200919T120412_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags set for one or more records.
CS_OFFL_SIR_NOPM_2_20200919T120616_20200919T122051_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags set for one or more records.
CS_OFFL_SIR_NOPM_2_20200919T122347_20200919T122845_C001 OCOG Altimeter Range Quality, OCOG for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been seen of the ocong and Backscatter Quality Flags have been seen on the ocong and Backscatter Quality Flags have been seen oc
CS_OFFL_SIR_NOPM_2_20200919T122853_20200919T122859_C001 OCOG Altimeter Range Quality, OCOG for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been seen seen and the ocognity of the ocognity for one or more records.
CS_OFFL_SIR_NOPM_2_20200919T123813_20200919T124609_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Qual
CS_OFFL_SIR_NOPM_2_20200919T125444_20200919T131059_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags set for one or more records.
CS_OFFL_SIR_NOPM_2_20200919T131354_20200919T131439_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records.
CS_OFFL_SIR_NOPM_2_20200919T134542_20200919T135928_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records.
CS_OFFL_SIR_NOPM_2_20200919T140306_20200919T140758_C001 OCOG Altimeter Range Quality, OCOG for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been seen and the ocog Altimeter Range and Backscatter Quality Flags have been seen and Backscatter Quality Flags
CS_OFFL_SIR_NOPM_2_20200919T140823_20200919T140832_C001 OCOG Altimeter Range Quality, OCOG for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been seen seen on the control of the ocong and Backscatter Quality Flags have been seen seen seen seen seen seen see
CS_OFFL_SIR_NOPM_2_20200919T141554_20200919T145123_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records.
CS_OFFL_SIR_NOPM_2_20200919T165440_20200919T171756_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records.

## COLOR - SPE, 10PHL_202001971202_20001971203_COLOR ## COLOR - SPE, 10PHL_202001971202_20001971203_COLOR ## COLOR - SPE, 10PHL_202001971202_20001971203_COLOR ## COLOR - SPE, 10PHL_202001971203_20001971203_COLOR ## COLOR - SPE, 10PHL_202001971203_COLOR ## COLOR - SPE,	CS_OFFL_SIR_NOPM_2_20200919T172131_20200919T172630_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CO OFF. 58 VCPP 2 200001718 SB3 2000 FT 90VP 2 DV CO OFF. 58 VCPP 2 200001718 SB3 2000 FT 90VP 2 DV CO OFF. 58 VCPP 2 200001718 SB3 2000 FT 90VP 2 DV CO OFF. 58 VCPP 2 200001718 SB3 2000 FT 90VP 2 DV CO OFF. 58 VCPP 2 200001718 SB3 2000 FT 90VP 2 DV CO OFF. 58 VCPP 2 200001718 SB3 2000 FT 90VP 2 DV CO OFF. 58 VCPP 2 200001718 SB3 2000 FT 90VP 2 DV CO OFF. 58 VCPP 2 20000171 SB3 2000 FT	CS_OFFL_SIR_NOPM_2_20200919T172637_20200919T173004_C001	•	
Security Company Com	CS_OFFL_SIR_NOPM_2_20200919T173422_20200919T180759_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Description of the control of the co	CS_OFFL_SIR_NOPM_2_20200919T181930_20200919T182649_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
So OFFL SIR NOPM 2 20003916719556 20003916719556 001 COO Afterward Range Sales, NOPM 2 2000391671956 2000391671956 001 COO Afterward Range Sales, NOPM 2 2000391671956 2000391671956 001 COO Afterward Range Sales, NOPM 2 2000391671956 2000391671956 001 COO Afterward Range Sales, NOPM 2 2000391671956 2000391671956 001 COO Afterward Range Sales, NOPM 2 2000391671956 2000391671956 001 COO Afterward Range Sales, NOPM 2 2000391671956 2000391671956 001 COO Afterward Range Sales, NOPM 2 2000391671956 2000391671956 001 COO Afterward Range Sales, NOPM 2 2000391671956 2000391672057 001 COO Afterward Range Sales, NOPM 2 2000391671956 2000391672057 001 COO Afterward Range Sales, NOPM 2 2000391671956 2000391672057 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2000391672056 001 COO Afterward Range Sales, NOPM 2 2000391672056 2	CS_OFFL_SIR_NOPM_2_20200919T183332_20200919T183512_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
ES_OPEL_SIR_NOME_2_20200919719550_2000916716092_0000 CS_OPEL_SIR_NOME_2_2020091971950_2000916716092_0000 CS_OPEL_SIR_NOME_2_2020091971950_2000916716092_0000 CS_OPEL_SIR_NOME_2_2020091971950_2000916716092_0000 CS_OPEL_SIR_NOME_2_2020091971950_2000916716092_0000 CS_OPEL_SIR_NOME_2_2020091971950_2000916716092_00000 CS_OPEL_SIR_NOME_2_20200919720092_0000916716092_00000 CS_OPEL_SIR_NOME_2_20200919720092_0000916726093_00000000000000000000000000000000000	CS_OFFL_SIR_NOPM_2_20200919T184534_20200919T185011_C001		
Sandscare Justing Ober Allmann Range SSHA, 59H The Ocean Administration and include Colin Ober Allmann Range SSHA, 59H Anne Colong and includence of Loudy Page Anne Colong and includence Justing Page Ober Allmann Range SSHA, 59H The Ocean Administration Range SSHA, 59H The	CS_OFFL_SIR_NOPM_2_20200919T185320_20200919T185558_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SR_NOPN_2_2020091673934_2010019724017_CD01 All red Engage and Blassaciate Duality Color Administer Range and Blassaciater Duality Flags and the COCO Administer Range and Blassaciater Duality Flags and the COCO Administer Range and Blassaciater Duality Flags have been and transfer Range and Blassaciater Duality Flags have be	CS_OFFL_SIR_NOPM_2_20200919T190130_20200919T190702_C001		
and the COCO Alternet Range and Backscatter Quality Flags have been Active Range and	CS_OFFL_SIR_NOPM_2_20200919T191434_20200919T194916_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Part	CS_OFFL_SIR_NOPM_2_20200919T195910_20200919T200117_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Beschearter Quality CS OFFL SIR NOPM 2 202009191205258 202009191212325 CO1 CS OFFL SIR NOPM 2 202009191205258 202009191214022_CO11 CS OFFL SIR NOPM 2 202009191215544 20200919121559 CO11 CS OFFL SIR NOPM 2 202009191215544 20200919121559 CO11 CS OFFL SIR NOPM 2 202009191215539 20200919121559 CO11 CS OFFL SIR NOPM 2 202009191215539 20200919121559 CO11 CS OFFL SIR NOPM 2 20200919121559 2020091912159 CO11 CS OFFL SIR NOPM 2 2020091912259 2020091912259 CO11 CS OFFL SIR NOPM 2 2020091912250 CO11 CS OFFL SIR NOPM 2 202009191230 CO11 CS OFFL SIR NOPM 2 20200919120 CO11 CC OFFL SIR NOPM 2	CS_OFFL_SIR_NOPM_2_20200919T201931_20200919T203521_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200919713044_202009197124092_C001 All meter Faingre and Bescate Country Flags have been and Bescate Country Flags and Bescate Country Flags have been and Bescate Country Flags have been and Bescate Country Flags and Bescate Country Flags have been and Bescate Flags have b	CS_OFFL_SIR_NOPM_2_20200919T204051_20200919T204559_C001		
and Backscatter Ouality, Plags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at the OCGG Allimeter Range and Backscatter Ouality Flags have been at for one or more records. CS_O	CS_OFFL_SIR_NOPM_2_20200919T205258_20200919T212825_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality. CCOG Aktimeter Range and Backscatter Quality Flags have been Aktimeter Range and Backscatter Quality. CCOG Aktimeter Range and Backscat	CS_OFFL_SIR_NOPM_2_20200919T213844_20200919T214022_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the COCO Altimeter Range and Backscatter Quality, COCO Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the COCO Altimeter Range and Backscatter Quality Fla	CS_OFFL_SIR_NOPM_2_20200919T215039_20200919T215509_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200919T224752_0200919T224923_CO01 CS_OFFL_SIR_NOPM_2_20200919T224752_0200919T224923_CO01 CS_OFFL_SIR_NOPM_2_20200919T225404_20200919T230635_CO01 CS_OFFL_SIR_NOPM_2_20200919T225404_20200919T230635_CO01 CS_OFFL_SIR_NOPM_2_20200919T225404_20200919T230635_CO01 CS_OFFL_SIR_NOPM_2_20200919T225404_20200919T230635_CO01 CS_OFFL_SIR_NOPM_2_20200919T232049_20200919T230635_CO01 CS_OFFL_SIR_NOPM_2_20200919T232049_20200919T233649_CO01 CS_OFFL_SIR_NOPM_2_20200919T232049_20200919T233649_CO01 CS_OFFL_SIR_NOPM_2_20200919T232049_20200919T235426_CO01 CS_OFFL_SIR_NOPM_2_20200919T234022_20200919T235426_CO01 CS_OFFL_SIR_NOPM_2_20200919T014903_20200919T015133_CO01 CS_OFFL_SIR_NOPM_2_20200919T014903_20200919T015133_CO01 CS_OFFL_SIR_NOPM_2_20200919T014903_20200919T015133_CO01 CS_OFFL_SIR_NOPM_2_20200919T014903_20200919T015459_CO01 CS_OFFL_SIR_NOPM_2_20200919T015337_20200919T015459_CO01 CS_OFFL_SIR_NOPM_2_20200919T01626_202009	CS_OFFL_SIR_NOPM_2_20200919T215555_20200919T221334_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality Flags have been Altimeter Range Altimeter Rang	CS_OFFL_SIR_NOPM_2_20200919T223240_20200919T224631_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200919T232049_20200919T233849_C001 CS_OFFL_SIR_NOPM_2_20200919T232049_20200919T233849_C001 CS_OFFL_SIR_NOPM_2_20200919T234022_20200919T235426_C001 CS_OFFL_SIR_NOPM_2_20200919T234022_20200919T235426_C001 CS_OFFL_SIR_NOPM_2_20200919T014903_20200919T015133_C001 CS_OFFL_SIR_NOPM_2_20200919T014903_20200919T015133_C001 CS_OFFL_SIR_NOPM_2_20200919T014903_20200919T015133_C001 CS_OFFL_SIR_NOPM_2_20200919T015337_20200919T015459_C001 CS_OFFL_SIR_NOPM_2_20200919T01626_20200919T01806_C001 CS_OFFL_SIR_NOPM_2_20200919T01626_20200919T011806_C001 CS_OFFL_SIR_NOPM_2_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C	CS_OFFL_SIR_NOPM_2_20200919T224752_20200919T224923_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200919T234022_20200919T235426_C001 CS_OFFL_SIR_NOPM_2_20200919T014903_20200919T015133_C001 CS_OFFL_SIR_NOPN_2_20200919T014903_20200919T015133_C001 CS_OFFL_SIR_NOPN_2_20200919T015337_20200919T015133_C001 CS_OFFL_SIR_NOPN_2_20200919T015337_20200919T015459_C001 CS_OFFL_SIR_NOPR_2_20200919T01626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806	CS_OFFL_SIR_NOPM_2_20200919T225404_20200919T230635_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200919T014903_20200919T015133_C001 CS_OFFL_SIR_NOPN_2_20200919T014903_20200919T015133_C001 CS_OFFL_SIR_NOPN_2_20200919T014903_20200919T015133_C001 CS_OFFL_SIR_NOPN_2_20200919T015337_20200919T015459_C001 CS_OFFL_SIR_NOPN_2_20200919T015337_20200919T015459_C001 CS_OFFL_SIR_NOPN_2_20200919T015337_20200919T015459_C001 CS_OFFL_SIR_NOPN_2_20200919T015337_20200919T015459_C001 CS_OFFL_SIR_NOPN_2_20200919T015337_20200919T015459_C001 CS_OFFL_SIR_NOPN_2_20200919T09703_20200919T015459_C001 CS_OFFL_SIR_NOPN_2_20200919T190703_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 And Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCGA Altimeter Range, SSHA, SWH 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_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2	CS_OFFL_SIR_NOPM_2_20200919T232049_20200919T233849_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200919T014903_20200919T015133_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200919T234022_20200919T235426_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPN_2_20200919T015337_20200919T015459_C001 Backscatter Quality CS_OFFL_SIR_NOPN_2_20200919T190703_20200919T191021_C001 Backscatter Quality CS_OFFL_SIR_NOPN_2_20200919T190703_20200919T191021_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 Backscatter Quality 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_NOPR_2_20200919T011626_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T122900_20200919T011806_C001 CS_OFFL_SIR_NOPR_2_20200919T122900_20200919T122905_C001 CS_OFFL_SIR_NOPR_2_20200919T122900_20200919T122905_C001 CS_OFFL_SIR_NOPR_2_20200919T122900_20200919T122905_C001 CS_OFFL_SIR_NOPR_2_20200919T122900_20200919T122905_C001 CS_OFFL_SIR_NOPR_2_20200919T122900_20200919T122905_C001	CS_OFFL_SIR_NOPN_2_20200919T014903_20200919T015133_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200919T190703_20200919T191021_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200919T015337_20200919T015459_C001		
CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range and Backscatter Quality Flags have been set occurred by the ocog Altimeter Range	CS_OFFL_SIR_NOPN_2_20200919T190703_20200919T191021_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
LS OFFE SIR NOPR / 707009191177900 707009191177905 COOT	CS_OFFL_SIR_NOPR_2_20200919T011626_20200919T011806_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPR_2_20200919T122900_20200919T122905_C001		

CS_OFFL_SIR_NOPR_2_20200919T150104_20200919T150238_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_20200919T194917_20200919T194939_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.

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200919T001141_20200919T001259_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_20200919T004647_20200919T005224_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_20200919T014549_20200919T014758_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_20200919T014903_20200919T015133_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_20200919T015337_20200919T015459_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_20200919T020210_20200919T020315_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_20200919T020917_20200919T020955_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_20200919T022832_20200919T023009_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_20200919T031440_20200919T031621_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_20200919T032502_20200919T032949_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_20200919T033048_20200919T033210_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_20200919T040809_20200919T040936_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_20200919T041118_20200919T041222_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_20200919T041649_20200919T041914_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_20200919T055728_20200919T055853_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_20200919T063327_20200919T063451_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_20200919T073600_20200919T073711_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_20200919T081213_20200919T081320_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_20200919T090504_20200919T090923_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_20200919T091503_20200919T091625_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_20200919T095432_20200919T095638_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_20200919T104259_20200919T104422_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_20200919T125139_20200919T125444_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_20200919T131108_20200919T131354_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_20200919T131440_20200919T131651_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_20200919T140947_20200919T141416_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_20200919T145123_20200919T145515_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_20200919T150030_20200919T150104_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_20200919T151224_20200919T151540_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_20200919T151558_20200919T151605_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_20200919T164905_20200919T165011_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_20200919T172001_20200919T172104_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_20200919T173005_20200919T173141_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_20200919T180759_20200919T180925_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_20200919T181009_20200919T181115_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_20200919T181848_20200919T181913_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_20200919T183512_20200919T183529_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_20200919T183904_20200919T184008_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_20200919T190703_20200919T191021_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_20200919T200554_20200919T200626_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_20200919T201742_20200919T201931_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_20200919T204559_20200919T204911_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_20200919T222031_20200919T222306_C001	LAITIMETER RANGE AND BACKSCATTER CHAILTV	The Ocean Altimeter Range, SSHA, SWH 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_20200919T222504_20200919T223037_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_20200919T231554_20200919T231852_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_20200919T002739_20200919T003019_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_20200919T022611_20200919T022832_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_20200919T031950_20200919T032502_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_20200919T040548_20200919T040808_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_20200919T041914_20200919T042157_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_20200919T045958_20200919T050533_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_20200919T054348_20200919T054746_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_20200919T055854_20200919T060054_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_20200919T062526_20200919T062704_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_20200919T063451_20200919T063521_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_20200919T063910_20200919T064701_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_20200919T064801_20200919T064846_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_20200919T072321_20200919T072733_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_20200919T073711_20200919T074243_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_20200919T074554_20200919T075144_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_20200919T080618_20200919T080815_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_20200919T081732_20200919T082609_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_20200919T091625_20200919T092019_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_20200919T095841_20200919T100644_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_20200919T105429_20200919T110048_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_20200919T111318_20200919T111335_C001	Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
	Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200919T111318_20200919T111335_C001	Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200919T111318_20200919T111335_C001 CS_OFFL_SIR_NOPR_2_20200919T113734_20200919T114318_C001	Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for Ocean Altimeter Range and Backscatter Quality Flags have been set for O
CS_OFFL_SIR_NOPR_2_20200919T111318_20200919T111335_C001 CS_OFFL_SIR_NOPR_2_20200919T113734_20200919T114318_C001 CS_OFFL_SIR_NOPR_2_20200919T114407_20200919T114513_C001	Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200919T111318_20200919T111335_C001 CS_OFFL_SIR_NOPR_2_20200919T113734_20200919T114318_C001 CS_OFFL_SIR_NOPR_2_20200919T114407_20200919T114513_C001 CS_OFFL_SIR_NOPR_2_20200919T122052_20200919T122204_C001	Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200919T111318_20200919T111335_C001 CS_OFFL_SIR_NOPR_2_20200919T113734_20200919T114318_C001 CS_OFFL_SIR_NOPR_2_20200919T114407_20200919T114513_C001 CS_OFFL_SIR_NOPR_2_20200919T122052_20200919T122204_C001 CS_OFFL_SIR_NOPR_2_20200919T123309_20200919T123653_C001	Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200919T111318_20200919T111335_C001 CS_OFFL_SIR_NOPR_2_20200919T113734_20200919T114318_C001 CS_OFFL_SIR_NOPR_2_20200919T114407_20200919T114513_C001 CS_OFFL_SIR_NOPR_2_20200919T122052_20200919T122204_C001 CS_OFFL_SIR_NOPR_2_20200919T123309_20200919T123653_C001 CS_OFFL_SIR_NOPR_2_20200919T131652_20200919T132350_C001	Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPR_2_20200919T171757_20200919T172001_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_20200919T173142_20200919T173422_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_20200919T182802_20200919T183000_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_20200919T185559_20200919T190013_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_20200919T191021_20200919T191433_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_20200919T200250_20200919T200548_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_20200919T203521_20200919T203933_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_20200919T204911_20200919T205258_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_20200919T221334_20200919T222030_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_20200919T230823_20200919T231000_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_20200919T235426_20200919T235934_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors: 164

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: 63

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: 117

7. NOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	140	140	1	139	0
SIR_NOPR1B	88	88	0	88	0
SIR_NOPN1B	97	97	3	94	0
SIR_NOPM_2	140	140	79	56	5
SIR_NOPR_2	88	88	20	68	0
SIR_NOPN_2	97	97	34	61	2

7.1 QCC Errors

Number of QCC reports with errors:

11

Total number of occurrences of each error

Product Type	EOVSNCDF	MPHSVSNCDF	-	•	-	-	-	-	-	-	•
SIR_NOPM_2	5	5									
SIR_NOPN_2	2	2									

Test Description Key:						
Abbreviation	Test name	Details				
EOVSNCDF	EnumOrbitVectorSourceNetCDF	Orbit vector source should match one of the allowed enumeration values - NetCDF				
MPHSVSNCDF	MPH_State_Vector_Source_NetCDF	State_Vector_Source mismatch				

7.2 QCC Warnings

Number of QCC reports with warnings

1696

Total number of occurrences of each warning

	Total Halling							
Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF	
SIR_NOPM1B	139	0	0	0	0	0	0	
SIR_NOPM_2	0	40	44	0	38	0	32	
SIR_NOPN1B	92	0	0	0	0	0	0	

SIR_NOPN_2	0	8	29	4	17	25	15
SIR_NOPR1B	84	0	0	0	0	0	0
SIR_NOPR_2	0	40	38	0	33	1 4 4	22

Product Type	RLPTONCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	13	3	33	0	0	0	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	44	0	0	0	21	0	29
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	34	1	0	40	0	45	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	30	0	0	8	29	0	4
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	21	23	43	49	28
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	0	37	0	2	50	36	8

Р	Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	•
S	SIR_NOPM1B	0	0	0	0	0	0	
S	SIR_NOPM_2	36	0	5	0	0	0	
S	SIR_NOPN1B	0	0	0	0	43	0	
S	SIR_NOPN_2	26	28	15	1	0	0	
S	SIR_NOPR1B	0	0	0	0	88	4	
S	SIR_NOPR_2	37	44	2	3	0	0	

Test Description Key:						
Abbreviation	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitubetween -70 and 70 degrees				
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude between -70 and 70 degrees				
RLPTONCDF	RangeLongPeriodTideOceanNetCDF	The Long period tide height should be between -50mm and 50mm (or missing) for surface type = ocean - NetCDF				
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean				
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean				
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSWHOEPFDPLRMNC	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample				
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter				
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter				

7.3 Missing QCC Reports