

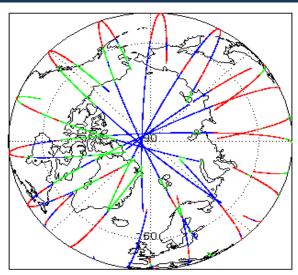
1. Overview

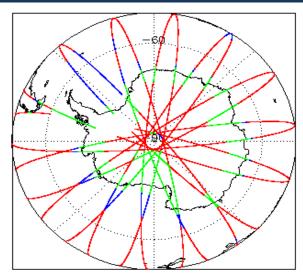
Report Production:	04-Feb-2020	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

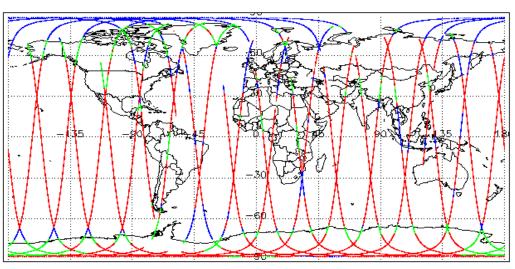
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement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

Mission / Instru	ment News
02-Feb-2020	None
03-Feb-2020	None
04-Feb-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 pert release

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

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:

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Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200203T025510_20200203T032406_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20200203T143106_20200203T145714_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:

17

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200203T012134_20200203T014009_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200203T035519_20200203T042134_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200203T001214_20200203T001516_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200203T001628_20200203T001843_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200203T052024_20200203T052051_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200203T065106_20200203T065140_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200203T101742_20200203T102202_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200203T115926_20200203T120154_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200203T133558_20200203T133820_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200203T150937_20200203T150955_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200203T165717_20200203T170303_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200203T181628_20200203T181832_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200203T182815_20200203T182843_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200203T214732_20200203T214848_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200203T082804_20200203T082848_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200203T120410_20200203T120658_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200203T215813_20200203T220110_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:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

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

Number of products with errors:

38

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200203T034511_20200203T034648_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_20200203T001214_20200203T001516_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_20200203T001628_20200203T001843_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_20200203T010302_20200203T010448_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_20200203T015309_20200203T015707_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_20200203T025234_20200203T025432_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_20200203T064835_20200203T065059_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_20200203T074109_20200203T074235_C001	Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200203T074745_20200203T075049_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20200203T092136_20200203T092433_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_20200203T092647_20200203T093207_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_20200203T101111_20200203T101207_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_20200203T101742_20200203T102202_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_20200203T110123_20200203T110207_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20200203T115636_20200203T115749_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_20200203T115926_20200203T120154_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_20200203T123417_20200203T123519_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_20200203T123625_20200203T124037_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_20200203T133558_20200203T133820_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_20200203T141839_20200203T142031_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_20200203T151541_20200203T152016_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_20200203T155818_20200203T155955_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_20200203T173810_20200203T174153_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	(solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200203T191741_20200203T192057_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_20200203T192609_20200203T192733_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_20200203T200831_20200203T200924_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_20200203T210517_20200203T210624_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_20200203T214732_20200203T214848_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_20200203T001843_20200203T002124_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_20200203T002124_20200203T002529_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_20200203T015707_20200203T020230_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_20200203T053101_20200203T053148_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_20200203T151122_20200203T151541_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_20200203T164530_20200203T165717_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_20200203T182915_20200203T183703_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_20200203T200925_20200203T201943_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_20200203T214849_20200203T215611_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_20200203T232801_20200203T233322_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

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_20200203T025510_20200203T032406_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_20200203T143106_20200203T145714_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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200202T235632_20200203T000801_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_20200203T003400_20200203T004623_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_20200203T004802_20200203T010244_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_20200203T010448_20200203T010948_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_20200203T011825_20200203T012100_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_20200203T012134_20200203T014009_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_20200203T014240_20200203T014954_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_20200203T021901_20200203T024224_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_20200203T024527_20200203T024905_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_20200203T024927_20200203T025234_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_20200203T025510_20200203T032406_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_20200203T035519_20200203T042134_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_20200203T042309_20200203T042819_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_20200203T042825_20200203T043153_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_20200203T043448_20200203T050859_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_20200203T055459_20200203T060123_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_20200203T060309_20200203T060851_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_20200203T061411_20200203T064753_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_20200203T071633_20200203T074109_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_20200203T074235_20200203T074745_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_20200203T075302_20200203T082803_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_20200203T085220_20200203T085700_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_20200203T085740_20200203T091629_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_20200203T091801_20200203T092008_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_20200203T092433_20200203T092647_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_20200203T093338_20200203T100332_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_20200203T102239_20200203T104122_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_20200203T104201_20200203T105515_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_20200203T110724_20200203T111057_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_20200203T111233_20200203T112817_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_20200203T113019_20200203T113940_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_20200203T114521_20200203T114543_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_20200203T115749_20200203T115926_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_20200203T120250_20200203T120410_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_20200203T120658_20200203T121902_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_20200203T123519_20200203T123625_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_20200203T124219_20200203T124520_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_20200203T124526_20200203T124959_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_20200203T125153_20200203T130646_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_20200203T134518_20200203T135229_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_20200203T135352_20200203T141807_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_20200203T142031_20200203T142856_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_20200203T143106_20200203T145714_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_20200203T152223_20200203T152611_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_20200203T152822_20200203T153030_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_20200203T153032_20200203T155654_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_20200203T160242_20200203T160658_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_20200203T160951_20200203T163721_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_20200203T163800_20200203T164002_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_20200203T170304_20200203T173600_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_20200203T174153_20200203T174736_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_20200203T174855_20200203T175516_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_20200203T182634_20200203T182736_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_20200203T184056_20200203T191537_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_20200203T192058_20200203T192609_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_20200203T192751_20200203T194738_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_20200203T200545_20200203T200553_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_20200203T201943_20200203T204816_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_20200203T204819_20200203T205337_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_20200203T210103_20200203T210517_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_20200203T210714_20200203T213443_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_20200203T220110_20200203T220143_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_20200203T220226_20200203T221033_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_20200203T221732_20200203T222549_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_20200203T222722_20200203T223302_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_20200203T223435_20200203T223955_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_20200203T225107_20200203T230328_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_20200203T230518_20200203T231357_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_20200203T231524_20200203T231727_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_20200203T231938_20200203T232209_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_20200203T234502_20200203T235433_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_20200203T235635_20200204T000351_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200203T050859_20200203T051247_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200203T070238_20200203T070333_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPN_2_20200203T074745_20200203T075049_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200203T110123_20200203T110207_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200203T110555_20200203T110724_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200203T111058_20200203T111232_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T100748_20200203T100752_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_20200203T231728_20200203T231938_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T232801_20200203T233322_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T235433_20200203T235635_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors: 75

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200203T001214_20200203T001516_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_20200203T015309_20200203T015707_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_20200203T020230_20200203T020301_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_20200203T021334_20200203T021719_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_20200203T024254_20200203T024527_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_20200203T032406_20200203T032910_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_20200203T035351_20200203T035519_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_20200203T042134_20200203T042309_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_20200203T043153_20200203T043321_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_20200203T060146_20200203T060308_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_20200203T060852_20200203T060923_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_20200203T061053_20200203T061207_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_20200203T065106_20200203T065140_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_20200203T074745_20200203T075049_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_20200203T085701_20200203T085740_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_20200203T092136_20200203T092433_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

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Col. OFFL SIR NOPN 2 20000003112600 2000000113001 Col. OFFL SIR NOPN 2 20000003112600 2000000113001 Col. OFFL SIR NOPN 2 20000003112600 2000000113001 Col. OFFL SIR NOPN 2 20000003112600 20000000113001 Col. OFFL SIR NOPN 2 20000003112600 200000000113001 Col. OFFL SIR NOPN 2 20000003112600 200000000113001 Col. OFFL SIR NOPN 2 20000003113001 Col. OFFL SIR NOPN 2 20000003	CS_OFFL_SIR_NOPN_2_20200203T110555_20200203T110724_C001		
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and dissessent Coulting-FLAN COOK different Ryage and Backwarder Castily Flags have been set for one or one of Section County Flags have b	CS_OFFL_SIR_NOPN_2_20200203T115636_20200203T115749_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CSC CSFL SIR NOPN 2 202002031102012 202002031102012 CSC CSFL SIR NOPN 2 202002031102012 CSFL	CS_OFFL_SIR_NOPN_2_20200203T115926_20200203T120154_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFF_SR_NOPN_2_20000000114260_2000000114260_0001 CS_OFF_SR_NOPN_2_20000000114260_2000000114260_0001 CS_OFF_SR_NOPN_2_20000000114260_2000000114260_0001 CS_OFF_SR_NOPN_2_20000000114260_2000000114260_0001 CS_OFF_SR_NOPN_2_20000000114260_2000000115000_0001 CS_OFF_SR_NOPN_2_20000000114260_2000000115000_0001 CS_OFF_SR_NOPN_2_20000000115000_2000000115000_0001 CS_OFF_SR_NOPN_2_20000000115000_20000001150000_0001 CS_OFF_SR_NOPN_2_20000000115000_20000001150000_0001 CS_OFF_SR_NOPN_2_20000000115000_20000001150000_0001 CS_OFF_SR_NOPN_2_200000001150000_0001 CS_OFF_SR_NOPN_2_200000001150000_0001150000000115000000000	CS_OFFL_SIR_NOPN_2_20200203T121902_20200203T122342_C001		
S. OFFL SIR, NOPH 2 200000031119004, 20000033119010 (2010) S. OFFL SIR, NOPH 2 20000003119014, 2000003119010 (2010) S. OFFL SIR, NOPH 2 20000033119014, 2000003119010 (2010) S. OFFL SIR, NOPH 2 20000033119014, 2000003119010 (2010) S. OFFL SIR, NOPH 2 20000033119014, 20000033119010 (2011) S. OFFL SIR, NOPH 2 20000033119010 (2000003119010 (2011) S. OFFL SIR, NOPH 2 20000033119010 (2000003119010 (2011) S. OFFL SIR, NOPH 2 20000033119010 (2000003119010 (2011) S. OFFL SIR, NOPH 2 20000033119010 (2000003311900 (2011) S. OFFL SIR, NOPH 2 200000033119010 (2010) S. OFFL SIR, NOPH 2 20000003	CS_OFFL_SIR_NOPN_2_20200203T123417_20200203T123519_C001		
and Backscatter Causty PLRA. COCG. Althreder Range and Backscatter Causty PLRA. CS_OFFL_SIR_NOPN_2_20002003T145714_2002003T150041_C001 CS_OFFL_SIR_NOPN_2_20002003T145714_2002003T150041_C001 CS_OFFL_SIR_NOPN_2_20002003T152141_2002003T150041_C001 CS_OFFL_SIR_NOPN_2_20002003T152141_2002003T150041_C001 CS_OFFL_SIR_NOPN_2_20002003T152141_2002003T150041_C001 CS_OFFL_SIR_NOPN_2_20002003T152142_2000203T152223_C001 CS_OFFL_SIR_NOPN_2_20002003T152142_2000203T152223_C001 CS_OFFL_SIR_NOPN_2_20002003T152142_2000203T152223_C001 CS_OFFL_SIR_NOPN_2_20002003T152142_2000203T150056_C001 CS_OFFL_SIR_NOPN_2_20002003T150056_2001 CS_OFFL_SIR_NOPN_2_20002003T150056_2001 CS_OFFL_SIR_NOPN_2_20002003T150056_2001 CS_OFFL_SIR_NOPN_2_20002003T150056_2001 CS_OFFL_SIR_NOPN_2_20002003T150056_2001 CS_OFFL_SIR_NOPN_2_20002003T150056_2001 CS_OFFL_SIR_NOPN_2_20002003T150056_20001 CS_OFFL_SIR_NOPN_2_20002003T150056_20001 CS_OFFL_SIR_NOPN_2_20002003T150056_20001 CS_OFFL_SIR_NOPN_2_20002003T150056_200003T150056_C001 CS_OFFL_SIR_NOPN_2_20002003T150056_200003T150056_C001 CS_OFFL_SIR_NOPN_2_20002003T150056_200003T150056_C001 CS_OFFL_SIR_NOPN_2_20002003T150056_200003T150056_C001 CS_OFFL_SIR_NOPN_2_20002003T150056_200003T150056_C001 CS_OFFL_SIR_NOPN_2_20002003T150056_2000003T150056_C001 CS_OFFL_SIR_NOPN_2_20002003T150056_2000003T150056_C001 CS_OFFL_SIR_NOPN_2_20002003T150056_2000003T150056_C001 CS_OFFL_SIR_NOPN_2_20002003T150056_2000003T150056_C001 CS_OFFL_SIR_NOPN_2_20000003T160056_2000003T150056_C001 CS_OFFL_SIR_NOPN_2_20000003T160	CS_OFFL_SIR_NOPN_2_20200203T123625_20200203T124037_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCCG Barbaccaster Quality PLRM. CS_OFFL_SIR_NOPN_2_20200203116210_202002031102223_C001 OCCG Altiruster Range and Barbaccaster Quality PLRM. CS_OFFL_SIR_NOPN_2_202002031152100_202002031102223_C001 OCCG Altiruster Range Mality PLRM. CS_OFFL_SIR_NOPN_2_202002031152612_202002031102223_C001 OCCG Altiruster Range Quality PLRM. CS_OFFL_SIR_NOPN_2_202002031152612_202002031102223_C001 OCCG Altiruster Range Quality PLRM. CS_OFFL_SIR_NOPN_2_202002031152612_202002031102223_C001 OCCG Altiruster Range Quality PLRM. CS_OFFL_SIR_NOPN_2_202002031150612_202002031102222_C001 OCCG Altiruster Range Quality PLRM. CS_OFFL_SIR_NOPN_2_202002031150612_202002031102222_C001 OCCG Altiruster Range Quality PLRM. CS_OFFL_SIR_NOPN_2_202002031160636_202002031100242_C001 OCCG Altiruster Range Quality PLRM. CS_OFFL_SIR_NOPN_2_202002031160636_202002031170333_C001 OCCG Altiruster Range Quality PLRM. CS_OFFL_SIR_NOPN_2_202002031160717_202002031170333_C001 OCCG Altiruster Range Quality PLRM. CS_OFFL_SIR_NOPN_2_202002031160717_202002031170331_C001 OCCG Altiruster Range Quality PLRM. CS_OFFL_SIR_NOPN_2_202002031160717_202002031170331_C001 OCCG Altiruster Range Quality PLRM. CS_OFFL_SIR_NOPN_2_202002031160717_202002031170331_C001 OCCG Altiruster Range Quality PLRM. CSOG Bardaccatter Quality PLRM.	CS_OFFL_SIR_NOPN_2_20200203T142856_20200203T143100_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200203T15210_20200203T18223_0001 CS_OFFL_SIR_NOPN_2_20200203T15210_20200203T18223_0001 CS_OFFL_SIR_NOPN_2_20200203T15210_20200203T18223_0001 CS_OFFL_SIR_NOPN_2_20200203T15210_20200203T18223_0001 CS_OFFL_SIR_NOPN_2_20200203T15210_20200203T18223_0001 CS_OFFL_SIR_NOPN_2_20200203T15210_20200203T18232_0001 CS_OFFL_SIR_NOPN_2_20200203T15210_20200203T18232_0001 CS_OFFL_SIR_NOPN_2_20200203T15210_20200203T18203_0001 CS_OFFL_SIR_NOPN_2_20200203T16212_20200203T18203_0001 CS_OFFL_SIR_NOPN_2_20200203T16212_20200203T18203_0001 CS_OFFL_SIR_NOPN_2_20200203T16212_20200203T18203_0001 CS_OFFL_SIR_NOPN_2_20200203T16212_20200203T18203_0001 CS_OFFL_SIR_NOPN_2_20200203T16212_20200203T18203_0001 CS_OFFL_SIR_NOPN_2_20200203T16212_20200203T18203_0001 CS_OFFL_SIR_NOPN_2_20200203T16212_20200203T18203_0001 CS_OFFL_SIR_NOPN_2_20200203T1622_20200203T18203_0001 CS_OFFL_SIR_NOPN_2_20200203T18203_20200203T18203_0001 CS_OFFL_SIR_NOPN_2_20200203T18203_20200203T18203_0001 CS_OFFL_SIR_NOPN_2_20200203T18203_2020023T18203_0001 CS_OFFL_SIR_NOPN_2_20200203T18038_20200203T180301_0001 CS_OFFL_SIR_NOPN_2_20200203T18038_20200203T180301_0001 CS_OFFL_SIR_NOPN_2_20200203T18038_20200203T180301_0001 CS_OFFL_SIR_NOPN_2_20200203T18038_20200203T180301_0001 CS_OFFL_SIR_NOPN_2_20200203T18038_20200203T180301_0001 CS_OFFL_SIR_NOPN_2_20200203T18038_20200203T180301_0001 CS_OFFL_SIR_NOPN_2_20200203T18038_20200203T180301_0001 CCS_OFFL_SIR_NOPN_2_20200203T18038_20200203T180301_0001 CCS_OFFL_SIR_NOPN_2_20200203T18038_202002	CS_OFFL_SIR_NOPN_2_20200203T145714_20200203T150041_C001		
CS_OFFL_SIR_NOPN_2_20200203T162812_20200203T152822_C001 CS_OFFL_SIR_NOPN_2_20200203T152812_20200203T152822_C001 CS_OFFL_SIR_NOPN_2_20200203T152818_20200203T152822_C001 CS_OFFL_SIR_NOPN_2_20200203T168018_20200203T169054_C001 CS_OFFL_SIR_NOPN_2_20200203T168018_20200203T160058_C001 CS_OFFL_SIR_NOPN_2_20200203T160058_20200203T160058_C001 CS_OFFL_SIR_NOPN_2_20200203T160058_20200203T160058_C001 CS_OFFL_SIR_NOPN_2_20200203T160058_20200203T160059_C001 CS_OFFL_SIR_NOPN_2_20200203T160058_20200203T160059_C001 CS_OFFL_SIR_NOPN_2_20200203T160058_20200203T160059_C001 CCS_OFFL_SIR_NOPN_2_20200203T160058_20200203T160059_C001 CCS_OFFL_SIR_NOPN_2_20200203T160059_20200203T160059_C001 CCS_OFFL_SIR_NOPN_2_20200203T160059_20200203T160059_C001 CCS_OFFL_SIR_NOPN_2_20200203T160059_20200203T160059_C001 CCS_OFFL_SIR_NOPN_2_20200203T160059_20200203T160059_C001 CCS_OFFL_SIR_NOPN_2_20200203T160059_2020023T160059_C001 CCS_OFFL_SIR_NOPN_2_20200203T160059_2020023T160059_C001 CCS_OFFL_SIR_NOPN_2_20200203T160059_2020023T160059_C001 CCS_OFFL_SIR_NOPN_2_20200203T160059_2020023T160059_C001 CCS_OFFL_SIR_NOPN_2_20200203T160059_2020023T160059_C001 CCS_OFFL_SIR_NOPN_2_20200203T16	CS_OFFL_SIR_NOPN_2_20200203T151541_20200203T152016_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200203T155818_2020203T155955_C001 CS_OFFL_SIR_NOPN_2_20200203T155818_20200203T155955_C001 CS_OFFL_SIR_NOPN_2_20200203T160117_20200203T160242_C001 CS_OFFL_SIR_NOPN_2_20200203T160117_20200203T160242_C001 CS_OFFL_SIR_NOPN_2_20200203T160568_20200203T160956_C001 CS_OFFL_SIR_NOPN_2_20200203T160568_20200203T160950_C001 CS_OFFL_SIR_NOPN_2_20200203T160568_20200203T160950_C001 CS_OFFL_SIR_NOPN_2_20200203T173810_20200203T170303_C001 CS_OFFL_SIR_NOPN_2_20200203T173810_20200203T174153_C001 CS_OFFL_SIR_NOPN_2_20200203T173810_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180428_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180428_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180428_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180428_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180428_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180408_20200203T180408_C001 CS_OFFL_SIR_NOPN_2_20200203T180408_20200203T180408_C001 CS_OFFL_SIR_NOPN_2_20200203T180408_20200203T180408_C001 CCG_OFFL_SIR_NOPN_2_20200203T180408_20200203T180408_C001 CCG_OFFL_SIR_NOPN_2_20200203T194738_20200203T180507_C001 CCG_OFFL_SIR_NOPN_2_20200203T194738_20200203T192733_C001 CCG_OFFL_SIR_NOPN_2_20200203T194738_20200203T192733_C001 CCG_OFFL_SIR_NOPN_2_20200203T194738_20200203T192733_C001 CCG_OFFL_SIR_NOPN_2_20200203T194738_20200203T192733_C001 CCG_OFFL_SIR_NOPN_2_20200203T194738_20200203T192733_C001 CCG_OFFL_SIR_NOPN_2_20200203T194738_20200203T192733_C001 CCG_OFFL_SIR_NOPN_2_20200203T194738	CS_OFFL_SIR_NOPN_2_20200203T152100_20200203T152223_C001		
and Backscatter Quality PLRM, CCOG Altimeter Range and Backscatter Quality PLRM, CCS OFFL_SIR_NOPN_2_20200203T160117_20200203T160242_C001 CS_OFFL_SIR_NOPN_2_20200203T160117_20200203T160950_C001 CS_OFFL_SIR_NOPN_2_20200203T160658_20200203T160950_C001 CS_OFFL_SIR_NOPN_2_20200203T160658_20200203T160950_C001 CS_OFFL_SIR_NOPN_2_20200203T160658_20200203T170303_C001 CS_OFFL_SIR_NOPN_2_20200203T160658_20200203T170303_C001 CS_OFFL_SIR_NOPN_2_20200203T173810_20200203T170303_C001 CS_OFFL_SIR_NOPN_2_20200203T173810_20200203T174153_C001 CS_OFFL_SIR_NOPN_2_20200203T180848_20200203T174153_C001 CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180934_C001 CS_OFFL_SIR_NOPN_2_20200203T18096_20200203T181923_C001 CS_OFFL_SIR_NOPN_2_20200203T18096_20200203T181923_C001 CS_OFFL_SIR_NOPN_2_20200203T18096_20200203T181923_C001 CS_OFFL_SIR_NOPN_2_20200203T18096_20200203T181923_C001 CCGG Altimeter Range Quality PLRM, CCGG Backscatter Quality CS_OFFL_SIR_NOPN_2_20200203T18096_20200203T181923_C001 CCGG Altimeter Range Quality PLRM, CCGG Backscatter Quality The OCGG Range and Backscatter Quality Flags have been set for one or more records. The OCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200203T18096_20200203T180934_C001 CCGG Altimeter Range Quality PLRM, CCGG Backscatter Quality The OCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200203T181906_20200203T181923_C001 CCGG Altimeter Range Quality PLRM, CCGG Backscatter Quality The OCGG Range and Backscatter Quality Flags have been set for one or more records. The OCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200203T181906_20200203T184956_C001 CCGG Altimeter Range Quality PLRM, CCGG Backscatter Quality The OCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CCGG Altimeter	CS_OFFL_SIR_NOPN_2_20200203T152612_20200203T152822_C001		
CS_OFFL_SIR_NOPN_2_20200203T160658_20200203T160950_C001 CS_OFFL_SIR_NOPN_2_20200203T160658_20200203T160950_C001 CS_OFFL_SIR_NOPN_2_20200203T165717_20200203T170303_C001 CS_OFFL_SIR_NOPN_2_20200203T165717_20200203T170303_C001 CS_OFFL_SIR_NOPN_2_20200203T173810_20200203T174153_C001 CS_OFFL_SIR_NOPN_2_20200203T173810_20200203T174153_C001 CS_OFFL_SIR_NOPN_2_20200203T180428_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180934_C001 CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180934_C001 CS_OFFL_SIR_NOPN_2_20200203T181906_20200203T181923_C001 CS_OFFL_SIR_NOPN_2_20200203T181906_20200203T181923_C001 CS_OFFL_SIR_NOPN_2_20200203T180908_20200203T181923_C001 CS_OFFL_SIR_NOPN_2_20200203T180908_20200203T180908_C001 CS_OFFL_SIR_NOPN_2_20200203T180908_20200203T180908_C001 CS_OFFL_SIR_NOPN_2_20200203T180908_20200203T180908_C001 CS_OFFL_SIR_NOPN_2_20200203T180908_20200203T180908_C001 CS_OFFL_SIR_NOPN_2_20200203T180908_20200203T18006_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CCG_Altimeter Range_Coality PLRM, OCOG Altimeter Range_Outlity PLRM, OCOG Backscatter Quality PLRM, OCOG Backscat	CS_OFFL_SIR_NOPN_2_20200203T155818_20200203T155955_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200203T173810_20200203T174153_C001 CS_OFFL_SIR_NOPN_2_20200203T173810_20200203T174153_C001 CS_OFFL_SIR_NOPN_2_20200203T180428_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180428_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180934_C001 CS_OFFL_SIR_NOPN_2_20200203T180918_20200203T180934_C001 CS_OFFL_SIR_NOPN_2_20200203T181906_20200203T181923_C001 CS_OFFL_SIR_NOPN_2_20200203T181906_20200203T181923_C001 CS_OFFL_SIR_NOPN_2_20200203T183909_20200203T184056_C001 CS_OFFL_SIR_NOPN_2_20200203T183909_20200203T184056_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CCG_Altimeter Range_Quality PLRM_OCOG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CCG_Altimeter Range_Quality PLRM_OCOG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CCG_Altimeter Range_Quality PLRM_OCOG_Altimeter Range_Quality PLRM_	CS_OFFL_SIR_NOPN_2_20200203T160117_20200203T160242_C001		
CS_OFFL_SIR_NOPN_2_20200203T180801_20200203T174153_C001 CS_OFFL_SIR_NOPN_2_20200203T180428_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180934_C001 CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180934_C001 CS_OFFL_SIR_NOPN_2_20200203T1808018_20200203T180934_C001 CS_OFFL_SIR_NOPN_2_20200203T18096_20200203T181923_C001 CS_OFFL_SIR_NOPN_2_20200203T181906_20200203T181923_C001 CS_OFFL_SIR_NOPN_2_20200203T180909_20200203T184056_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Qua	CS_OFFL_SIR_NOPN_2_20200203T160658_20200203T160950_C001		
CS_OFFL_SIR_NOPN_2_20200203T180428_20200203T180801_C001 CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180934_C001 CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180934_C001 CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180934_C001 CS_OFFL_SIR_NOPN_2_20200203T181906_20200203T181923_C001 CS_OFFL_SIR_NOPN_2_20200203T181906_20200203T181923_C001 CS_OFFL_SIR_NOPN_2_20200203T183909_20200203T184056_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T205851_C001 CS_OFFL_SIR_NOPN_2_20200203T205455_20200203T205851_C001 CS_OFFL_SIR_NOPN_2_20200203T205455_20200203T205851_	CS_OFFL_SIR_NOPN_2_20200203T165717_20200203T170303_C001		
CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180934_C001 CS_OFFL_SIR_NOPN_2_20200203T181906_20200203T181923_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG B	CS_OFFL_SIR_NOPN_2_20200203T173810_20200203T174153_C001		
OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_20200203T181906_20200203T181923_C001 OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T205851_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200203T180428_20200203T180801_C001		
CS_OFFL_SIR_NOPN_2_20200203T183909_20200203T184056_C001 CS_OFFL_SIR_NOPN_2_20200203T183909_20200203T184056_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T205455_20200203T205851_C001 CS_OFFL_SIR_NOPN_2_20200203T205455_20200203T205851_C001 CS_OFFL_SIR_NOPN_2_20200203T205455_20200203T205851_C001 CS_OFFL_SIR_NOPN_2_20200203T205455_20200203T205851_C001 CCOCG Backscatter Quality PLRM, OCOG Backscatter Q	CS_OFFL_SIR_NOPN_2_20200203T180818_20200203T180934_C001		
CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T205455_20200203T205851_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatt	CS_OFFL_SIR_NOPN_2_20200203T181906_20200203T181923_C001		
CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001 CS_OFFL_SIR_NOPN_2_20200203T205455_20200203T205851_C001 CS_OFFL_SIR_NOPN_2_20200203T205455_20200203T205851_C001 CS_OFFL_SIR_NOPN_2_20200203T205455_20200203T205851_C001 COCG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200203T205455_20200203T205851_C001 CCG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200203T183909_20200203T184056_C001		
OCOG Backscatter Quality OCOG Backscatter Quality more records. OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Plags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200203T192609_20200203T192733_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_NOPN_2_20200203T194738_20200203T195057_C001		
and Backscatter Quality PLRM_OCOG_ The Ocean Alumeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_NOPN_2_20200203T205455_20200203T205851_C001		
CS_OFFL_SIR_NOPN_2_20200203T224223_20200203T224340_C001 Altimeter Range and Backscatter Quality PLRM and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200203T224223_20200203T224340_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPR_2_20200203T000801_20200203T000948_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPR_2_20200203T001118_20200203T001214_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T002124_20200203T002529_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T014954_20200203T015244_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T015707_20200203T020230_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 and the OCOG Altimeter Range and Backscatter Quality Flags ha set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T070349_20200203T070723_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPR_2_20200203T100332_20200203T100742_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags has te for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T101018_20200203T101111_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPR_2_20200203T104122_20200203T104201_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPR_2_20200203T105515_20200203T110123_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T120410_20200203T120658_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPR_2_20200203T123330_20200203T123417_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPR_2_20200203T130647_20200203T131316_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPR_2_20200203T131316_20200203T131535_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPR_2_20200203T134026_20200203T134354_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags has te for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T141807_20200203T141839_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 Qualit and the OCOG Altimeter Range and Backscatter Quality Flags has te for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T150955_20200203T151054_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T151122_20200203T151541_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T164003_20200203T164048_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPR_2_20200203T164530_20200203T165717_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T173600_20200203T173809_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T182402_20200203T182532_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPR_2_20200203T182915_20200203T183703_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T183830_20200203T183908_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPR_2_20200203T191537_20200203T191741_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 and the OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T195623_20200203T195736_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set f more records.
CS_OFFL_SIR_NOPR_2_20200203T200553_20200203T200831_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 and the OCOG Altimeter Range and Backscatter Quality Flags hat set for one or more records.

CS OFFI SIP NORP 2 20200203T200025 20200203T201043 C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200203T205337_20200203T205455_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.
	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_20200203T215813_20200203T220110_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.
	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors: 168

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.

128

Number of products with errors:

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors: