

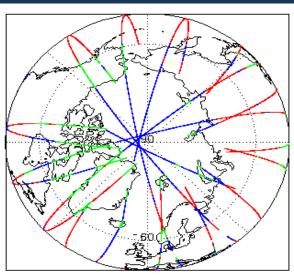
1. Overview

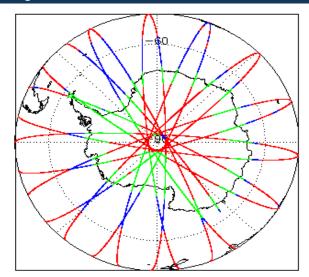
Report Production:	17-Jan-2020	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

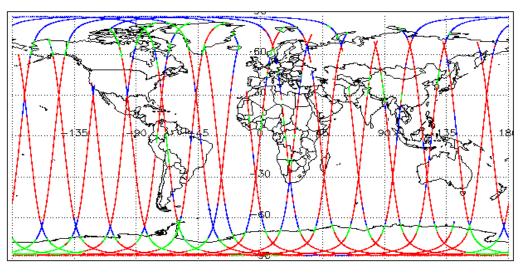
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement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

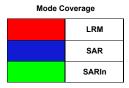
Mission / Instrument News		
03-Jan-2020	None	
04-Jan-2020	None	
05-Jan-2020	Nothing planned	

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:

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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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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_20200104T143929_20200104T145403_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200104T190219_20200104T190424_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200104T220632_20200104T221119_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200104T000950_20200104T001134_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200104T004936_20200104T005336_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200104T005358_20200104T005525_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200104T015113_20200104T015428_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200104T022958_20200104T023310_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200104T091548_20200104T091641_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200104T155146_20200104T155638_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200104T164359_20200104T164613_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200104T001134_20200104T001830_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200104T022642_20200104T022901_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200104T172658_20200104T173207_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200104T190558_20200104T191401_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200104T195039_20200104T195420_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200104T203142_20200104T203536_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.

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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200104T004936_20200104T005336_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200104T005358_20200104T005525_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_20200104T014813_20200104T015052_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_20200104T015113_20200104T015428_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200104T022958_20200104T023310_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_20200104T023310_20200104T023349_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_20200104T032728_20200104T033051_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_20200104T040848_20200104T041238_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_20200104T050832_20200104T050946_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_20200104T063750_20200104T063914_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_20200104T064736_20200104T064856_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_20200104T072529_20200104T072614_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200104T074611_20200104T074627_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_20200104T081737_20200104T081903_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_20200104T082428_20200104T082739_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_20200104T095716_20200104T095831_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_20200104T100326_20200104T100651_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_20200104T113802_20200104T114038_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_20200104T114231_20200104T114858_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_20200104T123312_20200104T123433_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_20200104T123737_20200104T123956_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_20200104T131321_20200104T131929_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_20200104T141233_20200104T141404_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_20200104T145529_20200104T145719_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_20200104T150547_20200104T150735_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_20200104T155146_20200104T155638_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_20200104T172434_20200104T172509_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_20200104T181617_20200104T181829_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_20200104T195420_20200104T195736_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_20200104T213308_20200104T213627_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_20200104T214152_20200104T214317_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_20200104T232005_20200104T232142_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_20200104T005525_20200104T010045_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_20200104T023416_20200104T024115_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_20200104T074010_20200104T074218_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_20200104T074553_20200104T074610_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_20200104T074627_20200104T074742_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_20200104T125534_20200104T125747_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_NOPR_2_20200104T140551_20200104T140735_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPR_2_20200104T142104_20200104T142252_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_20200104T172658_20200104T173207_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_20200104T185456_20200104T185656_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_20200104T190028_20200104T190219_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_20200104T190558_20200104T191401_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_20200104T204433_20200104T205315_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_20200104T222529_20200104T223317_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:

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_20200104T000158_20200104T000719_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_20200104T001830_20200104T003055_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_20200104T003231_20200104T004124_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_20200104T004250_20200104T004936_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_20200104T010305_20200104T010308_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_20200104T011137_20200104T012153_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_20200104T012356_20200104T012542_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_20200104T012700_20200104T013132_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_20200104T013230_20200104T013853_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_20200104T014124_20200104T014619_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_20200104T015428_20200104T015834_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_20200104T020436_20200104T020446_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_20200104T021222_20200104T022151_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_20200104T030242_20200104T031815_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_20200104T032102_20200104T032547_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_20200104T033220_20200104T035856_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_20200104T043200_20200104T045724_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_20200104T050050_20200104T050446_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_20200104T050451_20200104T050500_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_20200104T050507_20200104T050832_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_20200104T051154_20200104T053829_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_20200104T060113_20200104T063615_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_20200104T063914_20200104T064400_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_20200104T064405_20200104T064735_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_20200104T065230_20200104T072528_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_20200104T073804_20200104T074010_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_20200104T074743_20200104T074817_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_20200104T080429_20200104T080810_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_20200104T081009_20200104T081212_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_20200104T081412_20200104T081428_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_20200104T081904_20200104T082427_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_20200104T083103_20200104T085234_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_20200104T085520_20200104T090451_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_20200104T091648_20200104T092025_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_20200104T093633_20200104T095342_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_20200104T101003_20200104T104303_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_20200104T110459_20200104T110717_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_20200104T110805_20200104T113103_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_20200104T114934_20200104T120459_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_20200104T120532_20200104T120653_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_20200104T121135_20200104T121919_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_20200104T123433_20200104T123736_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_20200104T124003_20200104T125533_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_20200104T125747_20200104T131241_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_20200104T131929_20200104T132143_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_20200104T132225_20200104T132643_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_20200104T132847_20200104T134322_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_20200104T134501_20200104T140008_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_20200104T140130_20200104T140551_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_20200104T142253_20200104T143437_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_20200104T143929_20200104T145403_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_20200104T145720_20200104T150547_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_20200104T150821_20200104T153050_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_20200104T160639_20200104T163258_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_20200104T163910_20200104T164359_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_20200104T164733_20200104T164929_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_20200104T165034_20200104T171257_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_20200104T174533_20200104T181056_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_20200104T181829_20200104T182426_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_20200104T182651_20200104T185454_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_20200104T190219_20200104T190424_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_20200104T191712_20200104T195039_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_20200104T195737_20200104T200257_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

DOFFL. SIR, NOFM 2, 2020/10/12/04/1, 202	CS_OFFL_SIR_NOPM_2_20200104T200704_20200104T200825_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
Cap. OPPL_SIR_NOPM_2_202010141720327_20201141721037_2021 Cap. OPPL_SIR_NOPM_2_2020101417210327_20201151721037_2021 Cap. OPPL_SIR_NOPM_2_2020101417210327_20201151721050_2021 Cap. OPPL_SIR_NOPM_2_2020101417210323_20201151721050_2021 Cap. OPPL_SIR_NOPM_2_202010141721032_20201151721050_2021 Cap. OPPL_SIR_NOPM_2_202010141721032_20201151721050_2021 Cap. OPPL_SIR_NOPM_2_202010141721032_20201151721050_2021 Cap. OPPL_SIR_NOPM_2_202010141721032_20201151721050_2021 Cap. OPPL_SIR_NOPM_2_202010141721032_20201151721050_2021 Cap. OPPL_SIR_NOPM_2_202010141721032_20201151721050_20201151721050_2021 Cap. OPPL_SIR_NOPM_2_202010141721032_2020115172050_20201151721050_2020115172	CS_OFFL_SIR_NOPM_2_20200104T204041_20200104T204312_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200104T210622_20200104T210037_0001 All Reference Range and Blackcaster Quality COCG Affinisher Range and Blackcaster Quality Range have been set for one or none records. CS_OFFL_SIR_NOPM_2_20200104T21374S_20200104T2141S_C0001 CS_OFFL_SIR_NOPM_2_20200104T214041_20200104T2159S_C0001 CS_OFFL_SIR_NOPM_2_20200104T21594C_2020104T2204S_C0001 CS_OFFL_SIR_NOPM_2_20200104T21594C_2020104T2204S_C0001 CS_OFFL_SIR_NOPM_2_20200104T22053_20200104T2204S_C0001 CS_OFFL_SIR_NOPM_2_20200104T22053_20200104T2205S_C0001 CS_OFFL_SIR_NOPM_2_20200104T22053_20200104T2205S_C0001 CS_OFFL_SIR_NOPM_2_20200104T22053_20200104T2205S_C0001 CS_OFFL_SIR_NOPM_2_20200104T22053_20200104T2205S_C0001 CS_OFFL_SIR_NOPM_2_20200104T22053_20200104T2205S_C0001 CS_OFFL_SIR_NOPM_2_20200104T22053_20200104T2205S_C0001 CS_OFFL_SIR_NOPM_2_20200104T2205S_C00010 CS_OFFL_SIR_NOPM_2_20200104T2205S_C00010 CS_OFFL_SIR_NOPM_2_20200104T2205S_C00010 CS_OFFL_SIR_NOPM_2_20200104T2205S_C00010 CS_OFFL_SIR_NOPM_2_20200104T0205S_C00010 CS_OFFL_SIR_NOPM_2_2020	CS_OFFL_SIR_NOPM_2_20200104T204347_20200104T204433_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality Annual Process (Allege Plange and Backscatter Quality Flags have been set for one in none records. OCS_6FFL_SIR_NOPM_2_200001041213687_202001041213730_0001 Backscatter Quality Annual Process (Allege Plange Plange) Backscatter Quality Annual Plange Pl	CS_OFFL_SIR_NOPM_2_20200104T205642_20200104T210537_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20200104721475_202010472145_C001 Backscatter Quality, OCOG Allmeter Range and Backscatter Quality Flags have been set to core or more records. The OCOGA Allmeter Range and Backscatter Quality Flags have been set to core or more records. The Ocean Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been set to core or more records. The Ocean Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been set to core or more records. The Ocean Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been set to core or more records. The Ocean Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been set to core or more records. CS_OFFL_SIR_NOPM_2_20000104729464_202001047221119_C001 CS_OFFL_SIR_NOPM_2_20000104722032_202001047221119_C001 Allmeter Range and Backscatter Quality Flags have been set for or so or none records. CS_OFFL_SIR_NOPM_2_20000104722033_202001047221119_C001 CS_OFFL_SIR_NOPM_2_20000104722037_20200104722057_C001 CS_OFFL_SIR_NOPM_2_20000104722133_20200104723	CS_OFFL_SIR_NOPM_2_20200104T210823_20200104T213013_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. CS_OFFL_SIR_NOPM_2_20200104T225940_2020104T22919_C001 All Timeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range Quality, COOG Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range Quality, COOG Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range Quality, COOG Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Quality Flags have been set for one or more recods. Osean Allimeter Range and Backscatter Qu	CS_OFFL_SIR_NOPM_2_20200104T213627_20200104T213739_C001		
and Backscatter Quality, COGG Altimeter Range and Backscatter Quality Flags have been after Core or more records. CS_OFFL_SIR_NOPM_2_20200104T215846_20200104T220450_CO01 CS_OFFL_SIR_NOPM_2_20200104T220332_20200104T221119_CO01 CS_OFFL_SIR_NOPM_2_20200104T220332_20200104T221119_CO01 CS_OFFL_SIR_NOPM_2_20200104T220332_20200104T221119_CO01 CS_OFFL_SIR_NOPM_2_20200104T223337_20200104T230557_CO01 CS_OFFL_SIR_NOPM_2_20200104T23333_20200104T231637_CO01 CS_OFFL_SIR_NOPM_2_20200104T23133_20200104T231637_CO01 CS_OFFL_SIR_NOPM_2_20200104T23133_20200104T231637_CO01 CS_OFFL_SIR_NOPM_2_20200104T232738_20200104T231637_CO01 CS_OFFL_SIR_NOPM_2_20200104T232738_20200104T231637_CO01 CS_OFFL_SIR_NOPM_2_20200104T232738_20200104T231637_CO01 CS_OFFL_SIR_NOPM_2_20200104T022738_20200104T231637_CO01 CS_OFFL_SIR_NOPM_2_20200104T022738_20200104T023508_CO01 CS_OFFL_SIR_NOPM_2_20200104T022738_20200104T023508_CO01 CS_OFFL_SIR_NOPM_2_20200104T022738_20200104T02310_CO01 CS_OFFL_SIR_NOPM_2_20200104T022738_20200104T023508_CO01 CS_OFFL_SIR_NOPM_2_20200104T025588_20200104T023310_CO01 CS_OFFL_SIR_NOPM_2_20200104T025588_20200104T025508_C001 CS_OFFL_SIR_NOPM_2_20200104T025588_20200104T025090_C001 CS_OFFL_SIR_NOPM_2_20200104T025588_20200104T025090_C001 CS_OFFL_SIR_NOPM_2_20200104T025588_20200104T025090_C001 CS_OFFL_SIR_NOPM_2_20200104T025588_20200104T025090_C001 CS_OFFL_SIR_NOPM_2_20200104T025588_20200104T025790_C001 CS_OFFL_SIR_NOPM_2_20200104T025584_20200104T055716_C001 CS_OFFL_SIR_NOPM_2_20200104T025584_20200104T055716_C001 CS_OFFL_SIR_NOPM_2_20200104T025584_20200104T125747_C001 CS_OFFL_SIR_NOPM_2_20200104T025584_20200104T125747_C001 CS_OFFL_SIR_NOPM_2_20200104T025584_20200104T125580_C001 CS_OFFL_SIR_NOPM_2_20200104T025584_20200104T125580_C001 CS_OFFL_SIR_NOPM_2_20200104T025584_20200104T125580_C001 CS_OFFL_SIR_NOPM_2_20200104T025584_20200104T125580_C001 CS_OFFL_SIR_NOPM_2_20200104T025584_20200104T125580_C001 CS_OFFL_SIR_NOPM_2_20200104T025584_20200104T125580_C001 CS_OFFL_SIR_NOPM_2_20200104T025584_20200104T125580_C00	CS_OFFL_SIR_NOPM_2_20200104T213745_20200104T214152_C001		
CS_OFFL_SIR_NOPM_2_20200104T220532_20200104T221119_C001 CS_OFFL_SIR_NOPM_2_20200104T220532_20200104T221119_C001 CS_OFFL_SIR_NOPM_2_20200104T223537_20200104T230557_C001 CS_OFFL_SIR_NOPM_2_20200104T223537_20200104T230557_C001 CS_OFFL_SIR_NOPM_2_20200104T223537_20200104T230557_C001 CS_OFFL_SIR_NOPM_2_20200104T223537_20200104T230557_C001 CS_OFFL_SIR_NOPM_2_20200104T231133_20200104T231537_C001 CS_OFFL_SIR_NOPM_2_20200104T231133_20200104T231537_C001 CS_OFFL_SIR_NOPM_2_20200104T231133_20200104T231537_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T023359_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T024749_20200104T042920_C001 CS_OFFL_SIR_NOPM_2_20200104T024749_20200104T042920_C001 CS_OFFL_SIR_NOPM_2_20200104T024749_20200104T042920_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T025050_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T082730_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T082730_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T087730_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T087730_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T087730_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T087730_C001 CS_OFFL_SIR_NOPM_2_20200104T08543_20200104T08774_C001 CS_OFFL_SIR_NOPM_2_20200104T08543_20200104T08774_C001 CS_OFFL_SIR_NOPM_2_20200104T08543_20200104T08774_C001 CS_OFFL_SIR_NOPM_2_20200104T085448_20200104T28546_C001 COCOA Altimeter Range Quality, CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200104T08543_20200104T08774_C001 CCCG Altimeter Range Cuality, CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCCG Altimeter Range and Backscatter Qualit	CS_OFFL_SIR_NOPM_2_20200104T214641_20200104T215658_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Alltmeter Range, SSHA, SWH and Backscatter Quality Flags have been Alltmeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200104T231133_20200104T231637_C001 CS_OFFL_SIR_NOPM_2_20200104T231133_20200104T231637_C001 CS_OFFL_SIR_NOPM_2_20200104T231133_20200104T231637_C001 CS_OFFL_SIR_NOPM_2_20200104T232738_20200104T235836_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T023010_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T023010_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T04290_C001 CS_OFFL_SIR_NOPM_2_20200104T042749_20200104T04290_C001 CS_OFFL_SIR_NOPM_2_20200104T055050_2020104T04290_C001 CS_OFFL_SIR_NOPM_2_20200104T055050_20200104T082739_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T082739_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T082739_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T082739_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T095716_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T095716_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T095716_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T095716_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T095716_C001 CS_OFFL_SIR_NOPM_2_20200104T082428_20200104T095716_C001 CS_OFFL_SIR_NOPM_2_20200104T085434_20200104T095716_C001 CS_OFFL_SIR_NOPM_2_20200104T08544_20200104T125747_C001 CS_OFFL_SIR_NOPR_2_20200104T08544_20200104T125747_C001 CS_OFFL_SIR_NOPR_2_20200104T08544_20200104T125544_20200104T125747_C001 CCS_OFFL_SIR_NOPR_2_20200104T08544_20200104T125544_20200104T125545_2001 CCS_OFFL_SIR_NOPR_2_20200104T085454_20200104T125545_2001 CCS_OFFL_SIR_NOPR_2_20200104T085454_20200104T125545_2001 CCS_OFFL_SIR_NOPR_2_20200104T085454_20200104T125545_2001 CCS_OFFL_SIR_NOPR_2_20200104T085454_20200104T125545_2001 CCS_OFFL_SIR_NOPR_2_20200104T085454_20200104T125545_2001 CCS_OFFL_SIR_NOPR_2_20200104T085454_20200104T125545_200	CS_OFFL_SIR_NOPM_2_20200104T215846_20200104T220450_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_20200104T231133_20200104T231637_C001 CS_OFFL_SIR_NOPM_2_20200104T231133_20200104T235836_C001 CS_OFFL_SIR_NOPM_2_20200104T232738_20200104T235836_C001 CS_OFFL_SIR_NOPM_2_20200104T022558_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022558_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022558_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022558_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022558_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022558_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T022558_20200104T023310_C001 CS_OFFL_SIR_NOPM_2_20200104T025001_20200104T042920_C001 CS_OFFL_SIR_NOPM_2_20200104T042749_20200104T042920_C001 CS_OFFL_SIR_NOPM_2_20200104T05001_20200104T050006_C001 CS_OFFL_SIR_NOPM_2_20200104T05001_20200104T050006_C001 CS_OFFL_SIR_NOPM_2_20200104T05001_20200104T050006_C001 CS_OFFL_SIR_NOPM_2_20200104T05001_20200104T050006_C001 CS_OFFL_SIR_NOPM_2_20200104T05001_20200104T050006_C001 CS_OFFL_SIR_NOPM_2_20200104T05001_20200104T050006_C001 CS_OFFL_SIR_NOPM_2_20200104T05001_20200104T050006_C001 CS_OFFL_SIR_NOPM_2_20200104T05001_20200104T050006_C001 CS_OFFL_SIR_NOPM_2_20200104T05001_20200104T050006_C001 CS_OFFL_SIR_NOPM_2_20200104T050006_C001 CS_O	CS_OFFL_SIR_NOPM_2_20200104T220632_20200104T221119_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20200104T232738_20200104T235836_C001 CS_OFFL_SIR_NOPM_2_20200104T022958_20200104T023310_C001 CS_OFFL_SIR_NOPN_2_20200104T022958_20200104T023310_C001 CS_OFFL_SIR_NOPN_2_20200104T022958_20200104T023310_C001 CS_OFFL_SIR_NOPN_2_20200104T042749_20200104T042920_C001 CS_OFFL_SIR_NOPN_2_20200104T042749_20200104T042920_C001 CS_OFFL_SIR_NOPN_2_20200104T042749_20200104T050506_C001 CS_OFFL_SIR_NOPN_2_20200104T050501_20200104T050506_C001 CS_OFFL_SIR_NOPN_2_20200104T082739_C001 CS_OFFL_SIR_NOPN_2_20200104T082428_20200104T082739_C001 CS_OFFL_SIR_NOPN_2_20200104T095716_C001 CS_OFFL_SIR_NOPN_2_20200104T095343_20200104T095716_C001 CS_OFFL_SIR_NOPR_2_20200104T095343_20200104T095716_C001 CS_OFFL_SIR_NOPR_2_20200104T05554_20200104T125747_C001 CS_OFFL_SIR_NOPR_2_20200104T025544_20200104T125747_C001 CS_OFFL_SIR_NOPR_2_20200104T025544_20200104T125747_C001 CS_OFFL_SIR_NOPR_2_20200104T025544_20200104T125747_C001 CS_OFFL_SIR_NOPR_2_20200104T025544_20200104T12574558_C001 CS_OFFL_SIR_NOPR_2_20200104T025545_20200104T12574555_C001 CS_OFFL_SIR_NOPR_2_20200104T025558_C001 CS_OFFL_SIR_NOPR_2_20200104T	CS_OFFL_SIR_NOPM_2_20200104T223537_20200104T230857_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. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCG Altimeter Range and Backscatter	CS_OFFL_SIR_NOPM_2_20200104T231133_20200104T231637_C001		
Backscatter Quality CS_OFFL_SIR_NOPN_2_20200104T042749_20200104T042920_C001 CS_OFFL_SIR_NOPN_2_20200104T050501_20200104T050506_C001 CS_OFFL_SIR_NOPN_2_20200104T050501_20200104T050506_C001 CS_OFFL_SIR_NOPN_2_20200104T050501_20200104T050506_C001 CS_OFFL_SIR_NOPN_2_20200104T050501_20200104T050506_C001 CS_OFFL_SIR_NOPN_2_20200104T082428_20200104T082739_C001 CS_OFFL_SIR_NOPN_2_20200104T082428_20200104T082739_C001 CS_OFFL_SIR_NOPN_2_20200104T082428_20200104T082739_C001 CS_OFFL_SIR_NOPN_2_20200104T082438_20200104T095736_C001 CS_OFFL_SIR_NOPN_2_20200104T095343_20200104T095716_C001 CS_OFFL_SIR_NOPR_2_20200104T095343_20200104T095716_C001 CS_OFFL_SIR_NOPR_2_20200104T095343_20200104T095746_C001 CS_OFFL_SIR_NOPR_2_20200104T025534_20200104T025508_C001 CS_OFFL_SIR_NOPR_2_20200104T025534_20200104T025508_C001 CS_OFFL_SIR_NOPR_2_20200104T025534_20200104T025508_C001 CS_OFFL_SIR_NOPR_2_20200104T0255858_20200104T2155858_20200104T2155858_20200104T215845_C001 CS_OFFL_SIR_NOPR_2_20200104T0255858_20200104T215845_C001 CS_OFFL_SIR_NOPR_2_20200104T0255858_2020104T215845_C001 CS_OFFL_SIR_NOPR_2_20200104T0255858_2020104T215845_C001 CS_OFFL_SIR_NOPR_2_20200104T0255858_2020104T215845_C001 CS_OFFL_SIR_NOPR_2_20200104T0255858_2020104T215845_C001 CS_OFFL_SIR_NOPR_2_20200104T025685_2020104T215845_C001 CS_OFFL_SIR_NOPR_2_20200104T025685_20200	CS_OFFL_SIR_NOPM_2_20200104T232738_20200104T235836_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPN_2_20200104T050501_20200104T050506_C001 Backscatter Quality CS_OFFL_SIR_NOPN_2_20200104T050501_20200104T050506_C001 CS_OFFL_SIR_NOPN_2_20200104T082428_20200104T082739_C001 CS_OFFL_SIR_NOPN_2_20200104T082428_20200104T082739_C001 CS_OFFL_SIR_NOPN_2_20200104T121919_20200104T121943_C001 CS_OFFL_SIR_NOPN_2_20200104T121919_20200104T121943_C001 CS_OFFL_SIR_NOPR_2_20200104T095343_20200104T095716_C001 CS_OFFL_SIR_NOPR_2_20200104T095343_20200104T095716_C001 CS_OFFL_SIR_NOPR_2_20200104T125534_20200104T125747_C001 CS_OFFL_SIR_NOPR_2_20200104T125534_20200104T125508_C001 CS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_C001 CS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_C001 CS_OFFL_SIR_NOPR_2_20200104T205454_20200104T215845_C001 CS_OFFL_SIR_NOPR_2_20200104T215658_20200104T215845_C001 CS_OFFL_SIR_NOPR_2_20200104T215658_20200104T215845_C001 CS_OFFL_SIR_NOPR_2_20200104T215658_20200104T215845_C001 CCG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_C001 CCS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_C001 CS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_C001 CCS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_C001 CCS_OFFL_SIR_NOPR_2_	CS_OFFL_SIR_NOPN_2_20200104T022958_20200104T023310_C001		
Backscatter Quality CS_OFFL_SIR_NOPN_2_20200104T082428_20200104T082739_C001 Doesn Altimeter Range, SSHA, SWH 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_20200104T121919_20200104T121943_C001 DOESN Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DOESN Altimeter Range and Backscatter Quality Flags have been set for one or more records. DOE	CS_OFFL_SIR_NOPN_2_20200104T042749_20200104T042920_C001		
CS_OFFL_SIR_NOPN_2_20200104T082428_20200104T082739_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200104T095343_20200104T095716_C001 CS_OFFL_SIR_NOPR_2_20200104T095343_20200104T095716_C001 CS_OFFL_SIR_NOPR_2_20200104T125534_20200104T125747_C001 CS_OFFL_SIR_NOPR_2_20200104T125534_20200104T125747_C001 CS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_C001 CS_OFFL_SIR_NOPR_2_20200104T20	CS_OFFL_SIR_NOPN_2_20200104T050501_20200104T050506_C001		
Backscatter Quality CS_OFFL_SIR_NOPR_2_20200104T095343_20200104T095716_C001 Backscatter Quality CS_OFFL_SIR_NOPR_2_20200104T095343_20200104T095716_C001 CS_OFFL_SIR_NOPR_2_20200104T125534_20200104T125747_C001 CS_OFFL_SIR_NOPR_2_20200104T125534_20200104T125747_C001 CS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_C001 CS_OFFL_S	CS_OFFL_SIR_NOPN_2_20200104T082428_20200104T082739_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200104T095343_20200104T095716_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG	CS_OFFL_SIR_NOPN_2_20200104T121919_20200104T121943_C001		
Backscatter Quality CS_OFFL_SIR_NOPR_2_20200104T1255454_20200104T125508_C001 CS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_C001 CS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_C001 CS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_C001 CS_OFFL_SIR_NOPR_2_20200104T215658_20200104T215845_C001 Backscatter Quality for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter	CS_OFFL_SIR_NOPR_2_20200104T095343_20200104T095716_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_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 have been a	CS_OFFL_SIR_NOPR_2_20200104T125534_20200104T125747_C001		
CS_OFFL_SIR_NOPR_2_20200104T215658_20200104T215845_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPR_2_20200104T205454_20200104T205508_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPR_2_20200104T215658_20200104T215845_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200104T004936_20200104T005336_C001	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.
		The OCOG 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.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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.
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.
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.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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.
	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 Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Backscatter Quality PLRM, OCOG Backscatter

CS_OFFL_SIR_NOPN_2_20200104T205508_20200104T205617_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, 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
	PLRM	set for one or more records.
CS_OFFL_SIR_NOPN_2_20200104T213308_20200104T213627_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_20200104T214152_20200104T214317_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_20200104T220450_20200104T220631_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_20200104T222226_20200104T222311_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_20200104T230941_20200104T231044_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_20200104T232005_20200104T232142_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_20200104T005525_20200104T010045_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_20200104T010113_20200104T010231_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_20200104T010637_20200104T010658_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_20200104T013854_20200104T013939_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_20200104T015835_20200104T020037_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_20200104T022642_20200104T022901_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_20200104T023416_20200104T024115_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_20200104T024636_20200104T024658_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_20200104T025457_20200104T025620_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_20200104T025622_20200104T030242_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_20200104T035857_20200104T040042_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_20200104T063616_20200104T063750_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_20200104T064856_20200104T065229_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_20200104T074010_20200104T074218_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_20200104T082739_20200104T083103_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_20200104T092203_20200104T092333_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_20200104T095343_20200104T095716_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_20200104T122052_20200104T122143_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_20200104T123956_20200104T124002_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_20200104T125534_20200104T125747_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_20200104T140551_20200104T140735_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_20200104T141449_20200104T141639_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_20200104T142104_20200104T142252_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_20200104T145404_20200104T145529_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_20200104T160422_20200104T160639_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_20200104T163258_20200104T163502_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_20200104T172250_20200104T172354_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_20200104T172411_20200104T172433_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_20200104T172658_20200104T173207_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_20200104T181056_20200104T181430_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_20200104T190028_20200104T190219_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_20200104T190558_20200104T191401_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_20200104T195039_20200104T195420_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_20200104T204313_20200104T204347_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_20200104T204433_20200104T205315_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_20200104T214317_20200104T214641_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_20200104T222529_20200104T223317_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_20200104T232142_20200104T232737_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:

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: 50

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:

139