

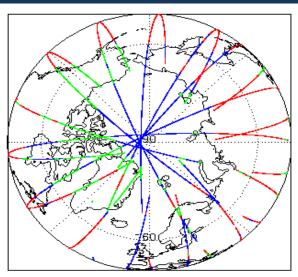
1. Overview

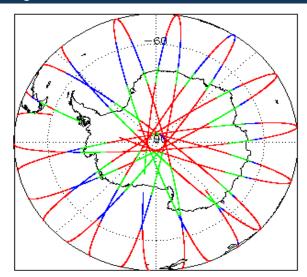
Report Production:	17-Jan-2020	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

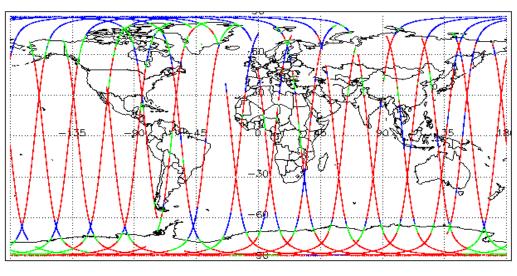
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement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

Mission / Instru	ment News
04-Jan-2020	None
05-Jan-2020	None
06-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:

Ω

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:

- 4

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200105T015941_20200105T021118_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:

45

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200105T012132_20200105T013359_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200105T133029_20200105T134357_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200105T000329_20200105T000427_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200105T013719_20200105T014012_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200105T014127_20200105T014255_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200105T024532_20200105T024638_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200105T105144_20200105T105704_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200105T123556_20200105T123730_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200105T132134_20200105T132247_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200105T150056_20200105T150317_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200105T163436_20200105T163454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200105T194127_20200105T194332_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200105T005952_20200105T010520_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200105T031430_20200105T031804_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200105T181335_20200105T182158_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:

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.

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200105T000329_20200105T000427_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_20200105T005742_20200105T005951_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_20200105T014255_20200105T014342_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_20200105T022758_20200105T022945_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_20200105T031807_20200105T032206_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_20200105T041730_20200105T041929_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_20200105T081332_20200105T081559_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20200105T090605_20200105T090731_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_20200105T091242_20200105T091419_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_20200105T104631_20200105T104929_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_20200105T105144_20200105T105704_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_20200105T114241_20200105T114612_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_20200105T122620_20200105T122855_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_20200105T132134_20200105T132247_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_20200105T132426_20200105T132654_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_20200105T135915_20200105T140016_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_20200105T150056_20200105T150317_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_20200105T154335_20200105T154527_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_20200105T164037_20200105T164513_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_20200105T172314_20200105T172452_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_20200105T190306_20200105T190650_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
CS_OFFL_SIR_NOPN_2_20200105T195045_20200105T195134_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_20200105T204238_20200105T204554_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_20200105T205107_20200105T205231_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_20200105T213330_20200105T213422_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_20200105T223015_20200105T223122_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_20200105T231230_20200105T231347_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_20200105T000428_20200105T001010_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_20200105T014342_20200105T015028_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_20200105T031430_20200105T031804_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_20200105T032206_20200105T032728_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_20200105T065600_20200105T065644_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_20200105T163620_20200105T164037_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_20200105T181335_20200105T182158_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_20200105T195414_20200105T200200_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_20200105T213422_20200105T214416_C001	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_20200105T231347_20200105T232112_C001	 There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200105T015941_20200105T021118_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.

CS_OFFL_SIR_NOPW_2_20200105T00283_2000105T00281_C001 SOFFL_SIR_NOPW_2_20200105T00283_2000105T00282_C001 SOFFL_SIR_NOPW_2_20200105T002830_2000105T00282_C001 SOFFL_SIR_NOPW_2_20200105T002830_2000105T00282_C001 SOFFL_SIR_NOPW_2_20200105T000283_2000105T002830_C001 SOFFL_SIR_NOPW_2_20200105T0002830_2000105T002830_C001 SOFFL_SIR_NOPW_2_20200105T0002830_2000105T002830_C001 SOFFL_SIR_NOPW_2_20200105T0002830_2000105T002830_C001 SOFFL_SIR_NOPW_2_20200105T0002830_C001 SOFFL_SIR_NOPW_2_20200105T0002830_C001 SOFFL_SIR_NOPW_2_20200105T000283_20200105T011510_C001 SOFFL_SIR_NOPW_2_20200105T000283_20200105T011510_C001 SOFFL_SIR_NOPW_2_20200105T0102830_C001 SOFFL_SIR_NOPW_2_20200105T0102830_C001 SOFFL_SIR_NOPW_2_20200105T0102830_C001 SOFFL_SIR_NOPW_2_20200105T0102830_C001 SOFFL_SIR_NOPW_2_20200105T0102830_C0010 SOFFL_SIR_NOPW_2_20200105T0102830_C0010 SOFFL_SIR_NOPW_2_20200105T0102830_C0010 SOFFL_SIR_NOPW_2_20200105T0102830_C0010 SOFFL_SIR_NOPW_2_20200105T0102830_C0010 SOFFL_SIR_NOPW_2_20200105T01010819_20200105T011309_C001 SOFFL_SIR_NOPW_2_20200105T01010819_20200105T011309_C001 SOFFL_SIR_NOPW_2_20200105T01010819_20200105T011309_C001 SOFFL_SIR_NOPW_2_20200105T01010819_20200105T011309_C001 SOFFL_SIR_NOPW_2_20200105T01010819_20200105T011309_C001 SOFFL_SIR_NOPW_2_20200105T01010819_20200105T0110000101000000000000000000000	Product	Test Failed	Description
and the COGA Altimeter Range and Backscatter Quality Flags have been set for on a more records. GS_OFFL_SIR_NOPM_2_20200105T005925_2020105T005935_COG1 CS_OFFL_SIR_NOPM_2_20200105T005925_2020105T005741_COG1 CS_OFFL_SIR_NOPM_2_20200105T005925_2020105T005741_COG1 CS_OFFL_SIR_NOPM_2_20200105T005925_2020105T005741_COG1 CS_OFFL_SIR_NOPM_2_20200105T010520_20200105T011513_COG1 CS_OFFL_SIR_NOPM_2_20200105T010520_20200105T011513_COG1 CS_OFFL_SIR_NOPM_2_20200105T010520_20200105T011513_COG1 CS_OFFL_SIR_NOPM_2_20200105T010520_20200105T011513_COG1 CS_OFFL_SIR_NOPM_2_20200105T010520_20200105T011513_COG1 CS_OFFL_SIR_NOPM_2_20200105T012520_20200105T011513_COG1 CS_OFFL_SIR_NOPM_2_20200105T012520_20200105T011513_COG1 CS_OFFL_SIR_NOPM_2_20200105T012520_20200105T0115022_COG1 CS_OFFL_SIR_NOPM_2_20200105T015610_20200105T015022_COG1 CS_OFFL_SIR_NOPM_2_20200105T015610_20200105T015022_COG1 CS_OFFL_SIR_NOPM_2_20200105T015610_20200105T012710_COG1 CS_OFFL_SIR_NOPM_2_20200105T015610_20200105T022146_COG1 Altimater Range and Backscattler Coulsity Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200105T015610_2020105T012582_COG1 CS_OFFL_SIR_NOPM_2_20200105T015610_2020105T012710_COG1 CS_OFFL_SIR_NOPM_2_20200105T012526_20200105T022146_COG1 CS_OFFL_SIR_NOPM_2_20200105T012546_20200105T022146_COG1 CS_OFFL_SIR_NOPM_2_20200105T024532_COG1 CS_OFFL_SIR_NOPM_2_20200105T024532_COG1 CS_OFFL_SIR_NOPM_2_20200105T024532_COG1 CS_OFFL_SIR_NOPM_2_20200105T024532_DOG105T024532_COG1 CS_OFFL_SIR_NOPM_2_20200105T024532_DOG105T044532_COG1 CS_OFFL_SIR_NOPM_2_20200105T044622_DOG105T044492_COG1 CS_OFFL_SIR_NOPM_2_20200105T044622_DOG105T044695_COG1 CS_OFFL_SIR_NOPM_2_20200105T044622_DOG105T044695_COG1 CS_OFFL_SIR_NOPM_2_20200105T04468_DOG105T044695_COG1 CS_OFFL_SIR_NOPM_2_20200105T04468_DOG105T044695_COG1 CS_OFFL_SIR_NOPM_2_20200105T04468_DOG105T044695_COG1 CS_OFFL_SIR_NOPM_2_20200105T04468_DOG105T044695_COG1 CS_OFFL_SIR_NOPM_2_20200105T04468_DOG105T044695_COG1 CS_OFFL_SIR_NOPM_2_20200105T04468_DOG105T044695_COG1 CS_O	CS_OFFL_SIR_NOPM_2_20200105T001726_20200105T002618_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20200105T0050612_20200105T01515_C001 CS_OFFL_SIR_NOPM_2_20200105T010502_0200105T011513_C001 CS_OFFL_SIR_NOPM_2_20200105T010502_0200105T011513_C001 CS_OFFL_SIR_NOPM_2_20200105T010502_0200105T011513_C001 CS_OFFL_SIR_NOPM_2_20200105T010502_0200105T011513_C001 CS_OFFL_SIR_NOPM_2_20200105T010502_0200105T013539_C001 CS_OFFL_SIR_NOPM_2_20200105T010512_0200105T013539_C001 CS_OFFL_SIR_NOPM_2_20200105T010512_0200105T013539_C001 CS_OFFL_SIR_NOPM_2_20200105T010512_0200105T013522_C001 CS_OFFL_SIR_NOPM_2_20200105T010512_0200105T013522_C001 CS_OFFL_SIR_NOPM_2_20200105T010512_0200105T013522_C001 CS_OFFL_SIR_NOPM_2_20200105T010512_0200105T013522_C001 CS_OFFL_SIR_NOPM_2_20200105T010512_0200105T010502_C001 CS_OFFL_SIR_NOPM_2_20200105T010512_0200105T010502_C001 CS_OFFL_SIR_NOPM_2_20200105T010502_C001 CS_OFFL_SIR_NOPM_2_20200105T010502_C001 CS_OFFL_SIR_NOPM_2_20200105T010502_C001 CS_OFFL_SIR_NOPM_2_20200105T020502_C001 CS_OFFL_SI	CS_OFFL_SIR_NOPM_2_20200105T002830_20200105T004827_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Coulity GS_OFFL_SIR_NOPM_2_20200105T01232_20200105T011339_C001 CS_OFFL_SIR_NOPM_2_20200105T01232_20200105T01339_C001 CS_OFFL_SIR_NOPM_2_20200105T01232_20200105T01339_C001 CS_OFFL_SIR_NOPM_2_20200105T015019_20200105T015022_C001 CS_OFFL_SIR_NOPM_2_20200105T015019_20200105T015022_C001 CS_OFFL_SIR_NOPM_2_20200105T015019_20200105T015022_C001 CS_OFFL_SIR_NOPM_2_20200105T015019_20200105T01502_C001 CS_OFFL_SIR_NOPM_2_20200105T015019_20200105T01502_C001 CS_OFFL_SIR_NOPM_2_20200105T015019_20200105T01502_C001 CS_OFFL_SIR_NOPM_2_20200105T015019_20200105T02118_C001 CS_OFFL_SIR_NOPM_2_20200105T01258_20200105T022707_C001 CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022707_C001 CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022707_C001 CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022507_C001 CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022507_C001 CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022507_C001 CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022507_C001 CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022507_C001 CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022507_C001 CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022507_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T024532_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T024532_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T024532_C001 CS_OFFL_SIR_NOPM_2_20200105T024336_20200105T034532_C001 CS_OFFL_SIR_NOPM_2_20200105T024356_20200105T034532_C001 CS_OFFL_SIR_NOPM_2_20200105T024356_20200105T034532_C001 CS_OFFL_SIR_NOPM_2_20200105T03456_20200105T044026_C001 CS_OFFL_SIR_NOPM_2_20200105T04424_20200105T044026_C001 CS_OFFL_SIR_NOPM_2_20200105T04424_20200105T044026_C001 CS_OFFL_SIR_NOPM_2_20200105T04424_20200105T044026_C001 CS_OFFL_SIR_NOPM_2_20200105T04424_20200105T044026_C001 CS_OFFL_SIR_NOPM_2_20200105T04424_20200105T044026_C001 CS_OFFL_SIR_NOPM_2_20200105T04424_20200105T044026_C001 CCCCA_Minneter Range_Quality, COCGA_Minneter Range and Backscatter Quality Flags have been set to rone or more records. CCCCA_Minneter Range and Backscatter Qua	CS_OFFL_SIR_NOPM_2_20200105T005026_20200105T005535_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOFM_2_202001657012132_202001657013390_C001 CS_OFFL_SIR_NOFM_2_202001657012132_202001657013390_C001 CS_OFFL_SIR_NOFM_2_202001657015819_202001057015922_C001 CS_OFFL_SIR_NOFM_2_202001057015819_202001057015922_C001 CS_OFFL_SIR_NOFM_2_202001057015941_202001057015922_C001 CS_OFFL_SIR_NOFM_2_202001057015941_20200105702170_C001 CS_OFFL_SIR_NOFM_2_202001057021258_202001057022707_C001 CS_OFFL_SIR_NOFM_2_202001057021258_202001057022707_C001 CS_OFFL_SIR_NOFM_2_202001057022458_202001057022707_C001 CS_OFFL_SIR_NOFM_2_202001057022348_2020010570223449_C001 CS_OFFL_SIR_NOFM_2_202001057024324_202001057024332_C001 CS_OFFL_SIR_NOFM_2_202001057024324_202001057024332_C001 CS_OFFL_SIR_NOFM_2_202001057024324_202001057024532_C001 CS_OFFL_SIR_NOFM_2_202001057024324_202001057024532_C001 CS_OFFL_SIR_NOFM_2_202001057024324_202001057024532_C001 CS_OFFL_SIR_NOFM_2_202001057024324_202001057024532_C001 CS_OFFL_SIR_NOFM_2_202001057024324_202001057024532_C001 CS_OFFL_SIR_NOFM_2_202001057024324_202001057024532_C001 CS_OFFL_SIR_NOFM_2_202001057024324_202001057024532_C001 CS_OFFL_SIR_NOFM_2_202001057024324_202001057024532_C001 CS_OFFL_SIR_NOFM_2_202001057024324_202001057024532_C001 CCCOA_Minister Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCOA_Minister Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCOA_Minister Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCOA_Minister Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCOA_Minister Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCOA_Minister Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCOA_Minister Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCOA_Minister Range_SSHA_SWH and	CS_OFFL_SIR_NOPM_2_20200105T005612_20200105T005741_C001		
CS_OFFL_SIR_NOPM_2_20200105T012432_20200105T015922_C001 CS_OFFL_SIR_NOPM_2_20200105T015619_20200105T015922_C001 CS_OFFL_SIR_NOPM_2_20200105T015619_20200105T015922_C001 CS_OFFL_SIR_NOPM_2_20200105T015941_20200105T021118_C001 CS_OFFL_SIR_NOPM_2_20200105T015941_20200105T021118_C001 CS_OFFL_SIR_NOPM_2_20200105T015941_20200105T021118_C001 CS_OFFL_SIR_NOPM_2_20200105T024258_20200105T022707_C001 CS_OFFL_SIR_NOPM_2_20200105T024258_20200105T023445_C001 CS_OFFL_SIR_NOPM_2_20200105T024258_20200105T023445_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T023445_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T024532_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T0254532_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T024338_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T024338_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T0340626_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T034336_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T040246_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T040626_C001 CS_OFFL_SIR_NOP	CS_OFFL_SIR_NOPM_2_20200105T010520_20200105T011513_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20200105T015941_20200105T021118_C001 CS_OFFL_SIR_NOPM_2_20200105T015941_20200105T021118_C001 CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022707_C001 CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022707_C001 CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022707_C001 CS_OFFL_SIR_NOPM_2_20200105T022945_20200105T022707_C001 CS_OFFL_SIR_NOPM_2_20200105T022945_20200105T022945_C001 CS_OFFL_SIR_NOPM_2_20200105T02495_20200105T024532_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T024532_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T024532_C001 CS_OFFL_SIR_NOPM_2_20200105T024532_C001 CS_OFFL_SIR_NOPM_2_20200105T024532_C00105T024638_C001 CS_OFFL_SIR_NOPM_2_20200105T024638_C0200105T024626_C001 CS_OFFL_SIR_NOPM_2_20200105T024638_C0200105T024626_C001 CS_OFFL_SIR_NOPM_2_20200105T024638_C0200105T024626_C001 CS_OFFL_SIR_NOPM_2_20200105T024626_C001 CS_OFFL_SIR_NOPM	CS_OFFL_SIR_NOPM_2_20200105T012132_20200105T013359_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscater Quality, OCOG Altimeter Range and Backscater Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200105T022945_20200105T023445_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T024432_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T024532_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T024532_C001 CS_OFFL_SIR_NOPM_2_20200105T024638_20200105T030599_C001 CS_OFFL_SIR_NOPM_2_20200105T030593_20200105T030599_C001 CS_OFFL_SIR_NOPM_2_20200105T030593_20200105T031430_C001 CS_OFFL_SIR_NOPM_2_20200105T030573_20200105T031430_C001 CS_OFFL_SIR_NOPM_2_20200105T030573_20200105T031430_C001 CS_OFFL_SIR_NOPM_2_20200105T030573_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041022_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041022_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041025_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041025_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041025_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041025_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041025_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041005_C001 CS_OFFL_SIR_NOPM_2_20200105T041005_C001 CS_OFFL_SIR_NOPM_2_202	CS_OFFL_SIR_NOPM_2_20200105T015619_20200105T015922_C001		
and Backscatter Quality Set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200105T022945_20200105T023445_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocoan Altimeter Range and Backscatter Quality Flags have been set for one or more re	CS_OFFL_SIR_NOPM_2_20200105T015941_20200105T021118_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T024532_C001 CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T024532_C001 CS_OFFL_SIR_NOPM_2_20200105T024638_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T03053_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T03053_20200105T031430_C001 CS_OFFL_SIR_NOPM_2_20200105T030553_20200105T031430_C001 CS_OFFL_SIR_NOPM_2_20200105T030553_20200105T031430_C001 CS_OFFL_SIR_NOPM_2_20200105T034356_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T034356_20200105T041022_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041022_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041402_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041402_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041405_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041405_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041405_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041405_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041405_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T0414905_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T0414905_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T044905_C001 CS_OFFL_SIR_NOPM_2_20200105T04105_2038_2000105T0414905_C001 CS_OFFL_SIR_NOPM_2_20200105T04105_2038_2000105T0414905_C001 CS_OFFL_SIR_NOPM_2_20200105T04105_2038_2000105T0414905_C001 CS_OFFL_SIR_NOPM_2_20200105T04105_2038_2000105T0414905_C001 CS_OFFL_SIR_NOPM_2_20200105T04105_2038_2000105T044905_C001 CS_OFFL_SIR_NOPM_2_20200105T042046_20200105T044905_C001 CS_OFFL_SIR	CS_OFFL_SIR_NOPM_2_20200105T021258_20200105T022707_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCG Altimeter Range and Backscatter Quality Flags have been altone or more records. CS_OFFL_SIR_NOPM_2_20200105T024638_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T024638_20200105T030509_C001 CS_OFFL_SIR_NOPM_2_20200105T030753_20200105T031430_C001 CS_OFFL_SIR_NOPM_2_20200105T030753_20200105T031430_C001 CS_OFFL_SIR_NOPM_2_20200105T030753_20200105T031430_C001 CS_OFFL_SIR_NOPM_2_20200105T034356_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041020_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041402_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041402_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T0414095_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041905_C001 CS_OFFL_SIR_NOPM_2_20200105T04102406_20200105T044905_C001 CS_OFFL_SIR_NOPM_2_20200105T042046_20200105T044905_C001 CS_OFFL_SIR_	CS_OFFL_SIR_NOPM_2_20200105T022945_20200105T023445_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200105T030753_20200105T031430_C001 CS_OFFL_SIR_NOPM_2_20200105T034356_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041020_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041402_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041402_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T042046_20200105T044905_C001 CS_OFFL_SIR_NOPM_2_20200105T042046_20200105T044905_C001 CS_OFFL_SIR_NOPM_2_20200105T052018_20200105T054538_C001 CCS_OFFL_SIR_NOPM_2_20200105T052018_20200105T054538_C001 CCS_OFFL_SIR_NOPM_2_20200105T052018_20200105T054538_C001 CCS_OFFL_SIR_NOPM_2_20200105T054018_20200105T054538_C001 CCS_OFFL_SIR_NOPM_2_20200105T054018_20200105T054538_C001 CCS_OFFL_SIR_NOPM_2_20200105T054018_20200105T054538_C001 CCS_OFFL_SIR_NOPM_2_20200105T052018_20200105T054538_C001 CCS_OFFL_SIR_NOPM_2_20200105T054018_20200105T054538_C001 CCS_OFFL_SIR_NOPM_2_20200105T0540	CS_OFFL_SIR_NOPM_2_20200105T024324_20200105T024532_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20200105T034356_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T034356_20200105T040626_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041402_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041402_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041402_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T042046_20200105T044905_C001 CS_OFFL_SIR_NOPM_2_20200105T042046_20200105T044905_C001 CS_OFFL_SIR_NOPM_2_20200105T05052018_20200105T055356_C001 CS_OFFL_SIR_NOPM_2_20200105T052018_20200105T055356_C001 CS_OFFL_SIR_NOPM_2_20200105T055054585_20200105T055356_C001 CS_OFFL_SIR_NOPM_2_20200105T0550535536_C001 CS_OFFL_SIR_NOPM_2_20200105T0550535536_C001 CS_OFFL_SIR_NOPM_2_20200105T054585_20200105T055356_C001 CS_OFFL_SIR_NOPM_2_20200105T05505355356_C001 CS_OFFL_SIR_NOPM_2_20200105T055053555356_C001 CS_OFFL_SIR_NOPM_2_20200105T055053555356_C001 CS_OFFL_SIR_NOPM_2_20200105T055053555356_C001 CS_OFFL_SIR_NOPM_2_20200105T055055356_C001 CS_OFFL_SIR_NOPM_2_20200105T055055356_C001 CS_OFFL_SIR_NOPM_2_20200105T055055356_C001 CS_OFFL_SIR_NOPM_2_20200105T055055356_C001 CS_OFFL_SIR_NOPM_2_20200105T05505055356_C001 CS_OFFL_SIR_NOPM_2_20200105T05505055356_C001 CS_OFFL_SIR_NOPM_2_20200105T055055356_C001 CS_OFFL_SIR_NOPM_2_20200105T05505055356_C001 CS_OFFL_SIR_NOPM_2_20200105T05505055356_C001 CS_OFFL_SIR_NOPM_2_20200105T05505055356_C001 CS_OFFL_SIR_NOPM_2_20200105T05505055356_C001 CS_OFFL_SIR_NOPM_2_20200105T05505055356_C001 CS_OFFL_SIR_NOPM_2_20200105T05505055356_C001 CS_OFFL_SIR_NOPM_2_20200105T05505055356_C001 CS_OFFL_SIR_NOPM_2_20200105T0550505505050505050505050505050505	CS_OFFL_SIR_NOPM_2_20200105T024638_20200105T030509_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041402_C001 CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041402_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041729_C001 CS_OFFL_SIR_NOPM_2_20200105T042046_20200105T044905_C001 CS_OFFL_SIR_NOPM_2_20200105T042046_20200105T044905_C001 CS_OFFL_SIR_NOPM_2_20200105T052018_20200105T055356_C001 CS_OFFL_SIR_NOPM_2_20200105T055355_20200105T055356_C001 CS_OFFL_SIR_NOPM_2_20200105T055356_C001 CS_OFFL_SIR_NOPM_2_20200105T	CS_OFFL_SIR_NOPM_2_20200105T030753_20200105T031430_C001		
Backscatter Quality CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041729_C001 DCGG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200105T042046_20200105T044905_C001 DCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200105T034356_20200105T040626_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_NOPM_2_20200105T042046_20200105T044905_C001 Documentary of the Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200105T052018_20200105T054538_C001 Documentary of the Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200105T041023_20200105T041402_C001	l	
CS_OFFL_SIR_NOPM_2_20200105T042046_20200105T044905_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200105T052018_20200105T054538_C001 CS_OFFL_SIR_NOPM_2_20200105T052018_20200105T054538_C001 CS_OFFL_SIR_NOPM_2_20200105T052018_20200105T054538_C001 CS_OFFL_SIR_NOPM_2_20200105T052018_20200105T054538_C001 CS_OFFL_SIR_NOPM_2_20200105T052018_20200105T054538_C001 CS_OFFL_SIR_NOPM_2_20200105T054805_20200105T055316_C001 CS_OFFL_SIR_NOPM_2_20200105T054805_20200105T055316_C001 CS_OFFL_SIR_NOPM_2_20200105T054805_20200105T055316_C001 CS_OFFL_SIR_NOPM_2_20200105T054805_20200105T055316_C001	CS_OFFL_SIR_NOPM_2_20200105T041424_20200105T041729_C001		
CS_OFFL_SIR_NOPM_2_20200105T052018_20200105T054538_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records. CS_OFFL_SIR_NOPM_2_20200105T052018_20200105T05438_C001 CS_OFFL_SIR_NOPM_2_20200105T054805_20200105T055316_C001 CS_OFFL_SIR_NOPM_2_20200105T054805_20200105T055316_C001	CS_OFFL_SIR_NOPM_2_20200105T042046_20200105T044905_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20200105T052018_20200105T054538_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20200105T054805_20200105T055316_C001		

CS_OFFL_SIR_NOPM_2_20200105T055323_20200105T055650_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_20200105T060102_20200105T063356_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_20200105T071954_20200105T072424_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_20200105T072805_20200105T073349_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_20200105T074024_20200105T081307_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_20200105T082637_20200105T082734_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_20200105T084353_20200105T090243_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_20200105T090731_20200105T091242_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_20200105T091907_20200105T095310_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_20200105T100644_20200105T100702_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_20200105T101716_20200105T102157_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_20200105T102238_20200105T104150_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_20200105T104930_20200105T105144_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_20200105T105850_20200105T113122_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_20200105T113306_20200105T113316_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_20200105T114737_20200105T120620_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200105T120656_20200105T122007_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_20200105T122855_20200105T123052_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_20200105T123224_20200105T123555_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_20200105T123758_20200105T125317_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_20200105T125519_20200105T130440_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_20200105T130940_20200105T130943_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_20200105T132654_20200105T132950_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_20200105T133029_20200105T134357_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_20200105T140017_20200105T140121_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_20200105T140717_20200105T141016_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_20200105T141024_20200105T141456_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_20200105T141733_20200105T143146_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_20200105T144921_20200105T144944_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_20200105T151020_20200105T151724_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_20200105T151848_20200105T152040_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_20200105T152043_20200105T154224_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_20200105T154528_20200105T155354_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_20200105T155654_20200105T162210_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_20200105T165523_20200105T172041_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_20200105T172740_20200105T173155_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_20200105T173552_20200105T180252_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_20200105T180300_20200105T180503_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_20200105T182803_20200105T185937_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_20200105T190651_20200105T191234_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_20200105T191532_20200105T192015_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_20200105T195134_20200105T195243_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_20200105T200551_20200105T203923_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_20200105T204555_20200105T205107_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_20200105T205545_20200105T211236_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_20200105T214417_20200105T221309_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_20200105T221319_20200105T221813_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_20200105T222350_20200105T222554_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_20200105T222601_20200105T223015_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_20200105T223455_20200105T225942_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_20200105T232730_20200105T233528_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_20200105T234008_20200105T234214_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_20200105T234231_20200105T235043_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_20200105T235156_20200105T235730_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_20200105T041418_20200105T041424_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_20200105T081332_20200105T081559_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_20200105T173156_20200105T173448_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_20200105T122008_20200105T122620_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_20200105T213053_20200105T213330_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200104T235853_20200105T000008_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_20200105T004846_20200105T005026_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_20200105T005742_20200105T005951_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_20200105T013719_20200105T014012_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_20200105T015923_20200105T015941_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_20200105T022758_20200105T022945_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_20200105T031807_20200105T032206_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_20200105T032729_20200105T032758_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_20200105T033705_20200105T033747_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_20200105T040749_20200105T041023_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_20200105T051845_20200105T052017_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_20200105T055316_20200105T055322_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_20200105T055651_20200105T055818_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_20200105T064520_20200105T064549_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_20200105T072641_20200105T072804_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_20200105T083350_20200105T083400_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_20200105T084310_20200105T084352_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_20200105T090605_20200105T090731_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_20200105T105144_20200105T105704_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.

	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_NOPN_2_20200105T114241_20200105T114612_C001	Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200105T122620_20200105T122855_C001	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_20200105T123556_20200105T123730_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_20200105T130440_20200105T130808_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_20200105T134357_20200105T134837_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_20200105T135915_20200105T140016_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_20200105T162211_20200105T162541_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_20200105T164037_20200105T164513_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_20200105T172314_20200105T172452_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_20200105T173156_20200105T173448_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_20200105T182158_20200105T182803_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_20200105T192927_20200105T193301_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_20200105T193318_20200105T193456_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_20200105T194127_20200105T194332_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_20200105T194841_20200105T194920_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_20200105T200406_20200105T200550_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_20200105T204238_20200105T204554_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_20200105T211236_20200105T211549_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_20200105T221952_20200105T222349_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_20200105T230912_20200105T231115_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_20200105T000428_20200105T001010_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_20200105T001026_20200105T001147_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_20200105T001428_20200105T001725_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_20200105T005952_20200105T010520_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_20200105T011919_20200105T012132_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_20200105T013506_20200105T013719_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_20200105T014013_20200105T014127_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_20200105T014342_20200105T015028_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_20200105T031430_20200105T031804_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_20200105T032206_20200105T032728_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_20200105T032758_20200105T032857_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_20200105T055818_20200105T060102_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_20200105T071441_20200105T071954_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_20200105T073705_20200105T074023_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_20200105T081600_20200105T081602_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_20200105T082846_20200105T083235_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_20200105T090243_20200105T090605_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_20200105T095355_20200105T095439_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_20200105T100702_20200105T101428_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_20200105T104150_20200105T104631_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_20200105T122008_20200105T122620_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_20200105T132951_20200105T133028_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_20200105T143146_20200105T143907_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_20200105T143907_20200105T144035_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_20200105T150528_20200105T150557_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_20200105T150616_20200105T150851_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_20200105T151014_20200105T151020_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_20200105T163620_20200105T164037_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_20200105T172042_20200105T172314_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_20200105T181038_20200105T181158_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_20200105T181335_20200105T182158_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_20200105T185938_20200105T190305_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_20200105T194718_20200105T194840_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_20200105T203923_20200105T204237_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_20200105T213053_20200105T213330_C001	Altimeter Range and Backscatter Chality	The Ocean Altimeter Range, SSHA, SWH 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_20200105T213422_20200105T214416_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_20200105T231347_20200105T232112_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

more records.

The OCOG Range and Backscatter Quality Flags have been set for one or

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: 18

CS_OFFL_SIR_NOPR_2_20200105T232234_20200105T232312_C001

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

Number of products with errors:

L2 Retracking Flags (20Hz, PLRM)

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

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