

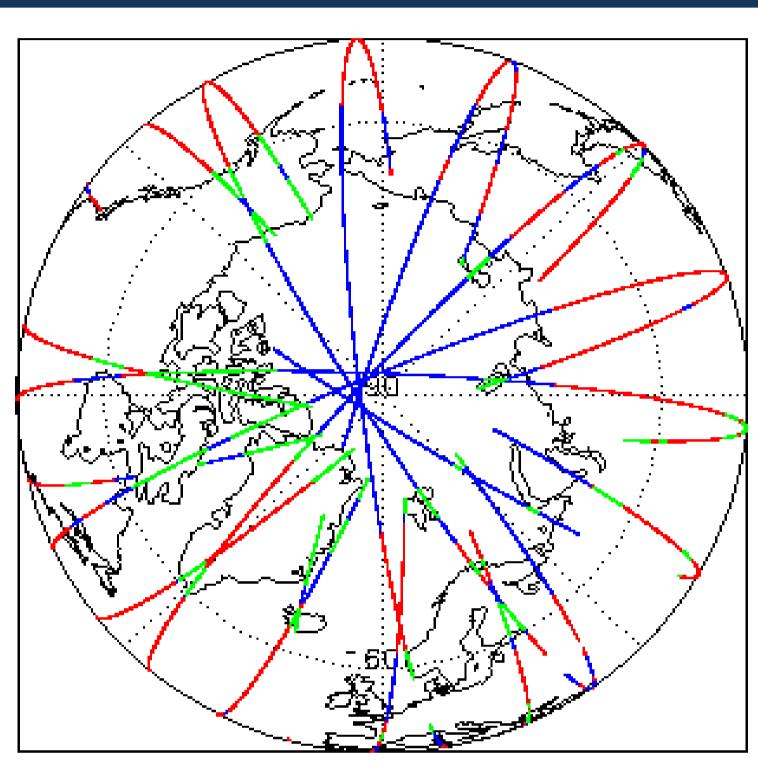
1. Overview

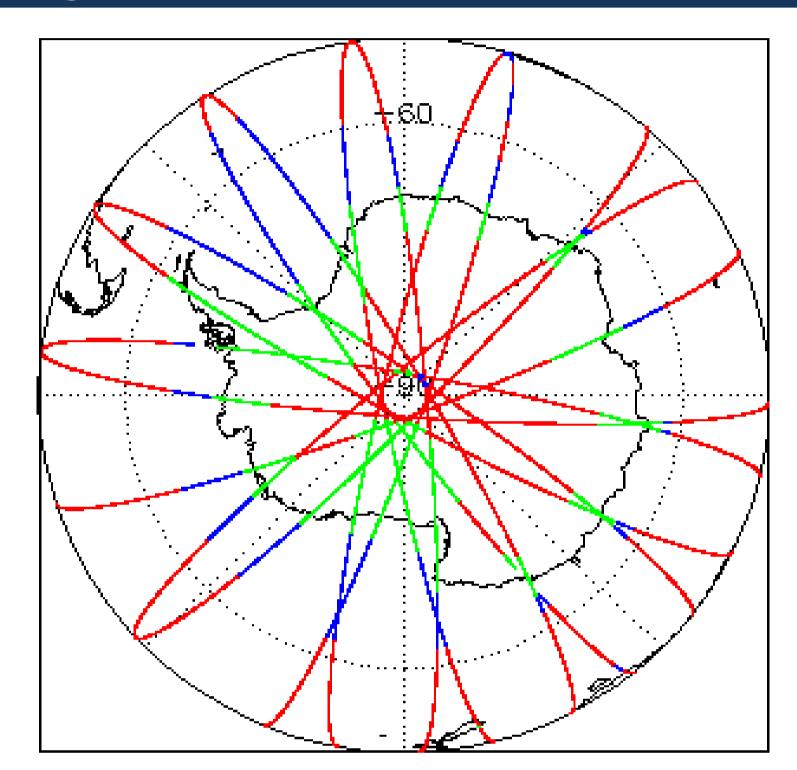
Report Production:	08-Jun-2020	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

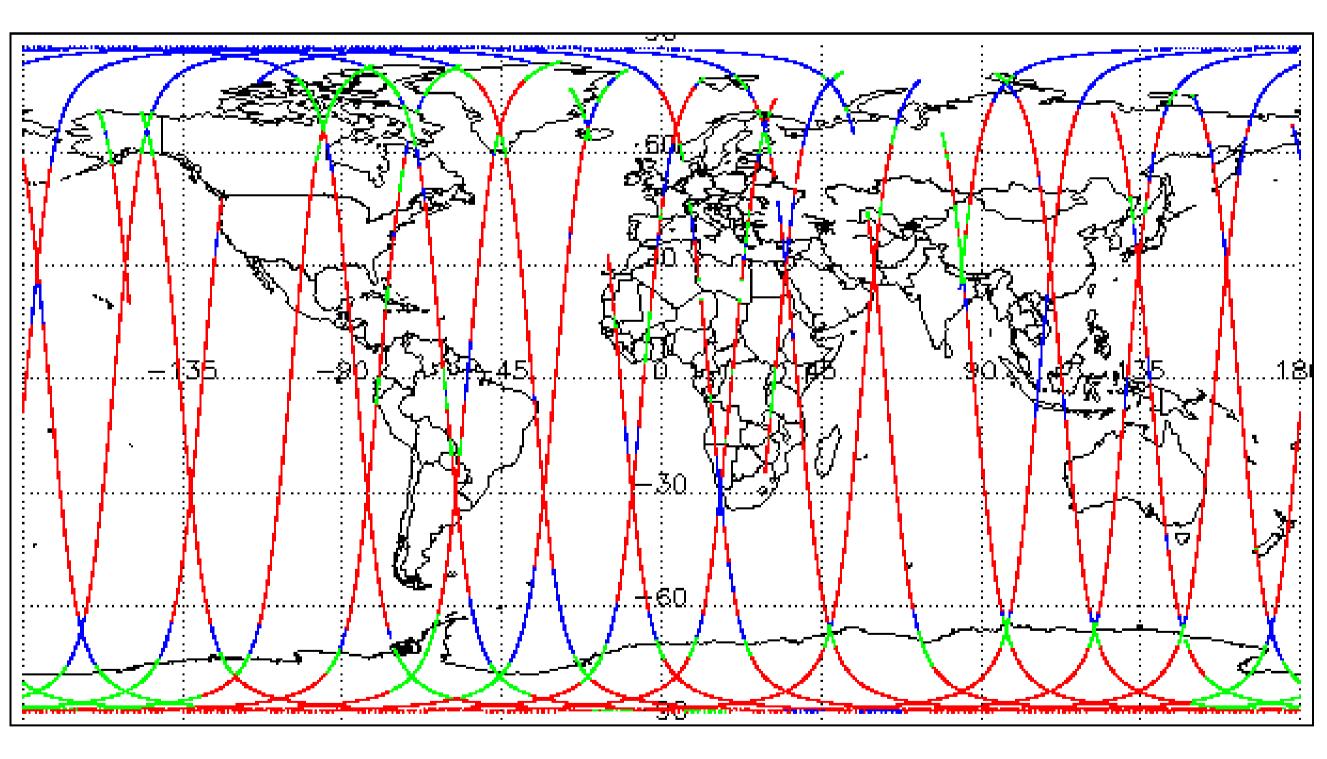
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement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

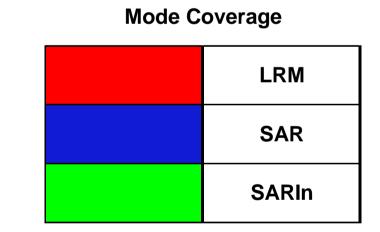
Mission / Instru	ument News
04-Jun-2020	None
05-Jun-2020	None
06-Jun-2020	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

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

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

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:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200605T215653_20200605T220110_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:

11

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200605T030043_20200605T032205_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200605T003435_20200605T003454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200605T065801_20200605T070011_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200605T120056_20200605T120211_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200605T150643_20200605T150853_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200605T164308_20200605T164425_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200605T101210_20200605T101743_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200605T132934_20200605T134219_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200605T181907_20200605T181958_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200605T182558_20200605T182645_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200605T200721_20200605T201237_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:

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

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:** 41 **Product** Test Failed Description Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Tide height CS_OFFL_SIR_NOPM_2_20200605T054717_20200605T055856_C001 (solution 1: GOT) for one or more records Tide (GOT) There is an error with the Mean Dynamic Topography height for one or CS OFFL SIR NOPM 2 20200605T171823 20200605T173331 C001 Mean Dynamic Topography (1) more records There is an error with the MSS height (solution 1), the Mean Dynamic Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height Topography (1), Total Geocentric Ocean CS_OFFL_SIR_NOPM_2_20200605T234415_20200605T235227_C001 Tide (GOT) (solution 1: GOT) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_NOPN_2_20200605T010945_20200605T011251_C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_NOPN_2_20200605T024245_20200605T024536_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_NOPN_2_20200605T024845_20200605T025220_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_NOPN_2_20200605T042323_20200605T042555_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS OFFL SIR NOPN 2 20200605T051830 20200605T051950 C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_NOPN_2_20200605T055857_20200605T060440_C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_NOPN_2_20200605T065801_20200605T070011_C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the Mean Dynamic Topography height for one or CS_OFFL_SIR_NOPN_2_20200605T074046_20200605T074224_C001 Mean Dynamic Topography (1) more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Tide height CS_OFFL_SIR_NOPN_2_20200605T075110_20200605T075319_C001 Tide (GOT) (solution 1: GOT) for one or more records There is an error with the Mean Dynamic Topography height for one or CS_OFFL_SIR_NOPN_2_20200605T083714_20200605T084200_C001 Mean Dynamic Topography (1) more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_NOPN_2_20200605T105957_20200605T110349_C001 Topography height (solution 1) for one or more records Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean There is an error with the MSS height (solution 1), the Mean Dynamic CS_OFFL_SIR_NOPN_2_20200605T115026_20200605T115120_C001 Tide (GOT), Total Geocentric Ocean Topography (solution 1) and the tidal corrections for one or more records Tide (FES), Non-Equilibrium Long Period There is an error with the Mean Dynamic Topography height for one or Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200605T123943_20200605T124255_C001 more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_NOPN_2_20200605T132419_20200605T132532_C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the Mean Dynamic Topography height for one or Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200605T141717_20200605T142133_C001 more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS OFFL SIR NOPN 2 20200605T142711 20200605T142834 C001 Topography height (solution 1) for one or more records Topography (1) There is an error with the Total Geocentric Ocean Tide height (solution 1: CS OFFL SIR NOPN 2 20200605T150643 20200605T150853 C001 Total Geocentric Ocean Tide (GOT) GOT) for one or more records There is an error with the Mean Dynamic Topography height for one or Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200605T160453_20200605T160639_C001 more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_NOPN_2_20200605T164851_20200605T164944_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or

Mean Dynamic Topography (1)

Topography (1)

Mean Sea Surface (1), Mean Dynamic

Total Geocentric Ocean Tide (GOT),

Equilibrium Long Period Ocean Tide

more records

Total Geocentric Ocean Tide (FES), Non-GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean

Tide height for one or more records

There is an error with the MSS height (solution 1) and the Mean Dynamic

There is an error with the Total Geocentric Ocean Tide height (solution 1:

Topography height (solution 1) for one or more records

CS_OFFL_SIR_NOPN_2_20200605T173411_20200605T173552_C001

CS OFFL SIR NOPN 2 20200605T174254 20200605T174514 C001

CS_OFFL_SIR_NOPN_2_20200605T182302_20200605T182557_C001

CS_OFFL_SIR_NOPN_2_20200605T182646_20200605T182858_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_20200605T191304_20200605T191509_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_20200605T192152_20200605T192537_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_20200605T200328_20200605T200721_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_20200605T201238_20200605T201310_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_20200605T224208_20200605T224344_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_20200605T101210_20200605T101743_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_20200605T114030_20200605T114208_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_20200605T115121_20200605T115912_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_20200605T132934_20200605T134219_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_20200605T151049_20200605T151839_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_20200605T164944_20200605T165525_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_20200605T182858_20200605T183549_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_20200605T200721_20200605T201237_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_20200605T233116_20200605T233612_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_20200605T234007_20200605T234204_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height 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_20200605T215653_20200605T220110_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

Number of products with errors: 83

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200604T233636_20200605T001024_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_20200605T002339_20200605T002436_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_20200605T005358_20200605T010117_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_20200605T010427_20200605T010944_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_20200605T011622_20200605T013754_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_20200605T014040_20200605T014952_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_20200605T020157_20200605T020616_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_20200605T022206_20200605T022649_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_20200605T022837_20200605T023949_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_20200605T025540_20200605T030039_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_20200605T030043_20200605T032205_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_20200605T032339_20200605T032843_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_20200605T034504_20200605T035202_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_20200605T035220_20200605T041623_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_20200605T043027_20200605T043232_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_20200605T043452_20200605T043959_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_20200605T044052_20200605T045114_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_20200605T045117_20200605T045212_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_20200605T045349_20200605T050210_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_20200605T051951_20200605T052400_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 OFFI SID NODM 2 20200605T052522 20200605T052002 C001	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_NOPM_2_20200605T052523_20200605T053903_C001	• •	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_202000051052523_202000051053903_C001 CS_OFFL_SIR_NOPM_2_20200605T054717_20200605T055856_C001	•	set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG	set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200605T054717_20200605T055856_C001	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG	Set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set
CS_OFFL_SIR_NOPM_2_20200605T054717_20200605T055856_C001 CS_OFFL_SIR_NOPM_2_20200605T060440_20200605T060706_C001	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	Set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG 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
CS_OFFL_SIR_NOPM_2_20200605T054717_20200605T055856_C001 CS_OFFL_SIR_NOPM_2_20200605T060440_20200605T060706_C001 CS_OFFL_SIR_NOPM_2_20200605T060734_20200605T061157_C001	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG 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 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200605T054717_20200605T055856_C001 CS_OFFL_SIR_NOPM_2_20200605T060440_20200605T060706_C001 CS_OFFL_SIR_NOPM_2_20200605T060734_20200605T061157_C001 CS_OFFL_SIR_NOPM_2_20200605T061424_20200605T062840_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality 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 set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200605T054717_20200605T055856_C001 CS_OFFL_SIR_NOPM_2_20200605T060440_20200605T060706_C001 CS_OFFL_SIR_NOPM_2_20200605T060734_20200605T061157_C001 CS_OFFL_SIR_NOPM_2_20200605T061424_20200605T062840_C001 CS_OFFL_SIR_NOPM_2_20200605T063020_20200605T064115_C001	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG 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 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200605T054717_20200605T055856_C001 CS_OFFL_SIR_NOPM_2_20200605T060440_20200605T060706_C001 CS_OFFL_SIR_NOPM_2_20200605T060734_20200605T061157_C001 CS_OFFL_SIR_NOPM_2_20200605T061424_20200605T062840_C001 CS_OFFL_SIR_NOPM_2_20200605T063020_20200605T064115_C001 CS_OFFL_SIR_NOPM_2_20200605T071033_20200605T071423_C001	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG 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 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200605T054717_20200605T055856_C001 CS_OFFL_SIR_NOPM_2_20200605T060440_20200605T060706_C001 CS_OFFL_SIR_NOPM_2_20200605T060734_20200605T061157_C001 CS_OFFL_SIR_NOPM_2_20200605T061424_20200605T062840_C001 CS_OFFL_SIR_NOPM_2_20200605T063020_20200605T064115_C001 CS_OFFL_SIR_NOPM_2_20200605T071033_20200605T071423_C001 CS_OFFL_SIR_NOPM_2_20200605T071546_20200605T072058_C001	Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG 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 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
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Selection Carlot Selection C	CS_OFFL_SIR_NOPM_2_20200605T093305_20200605T095734_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_VOPNI_2_2000095*10322_2002095*10570_0051 CS_OFFL_SIR_VOPNI_2_2000095*10322_2002095*10570_0051 CS_OFFL_SIR_VOPNI_2_2000095*10322_2002095*10570_0051 CS_OFFL_SIR_VOPNI_2_2000095*10322_2002095*10570_0051 CS_OFFL_SIR_VOPNI_2_2000095*11030_200095*11260_0051 CS_OFFL_SIR_VOPNI_2_2000095*11030_200095*11260_0051 CS_OFFL_SIR_VOPNI_2_2000095*11110_2002095*11260_0051 CS_OFFL_SIR_VOPNI_2_2000095*11110_2002095*11260_0051 CS_OFFL_SIR_VOPNI_2_2000095*11110_2002095*11260_0051 CS_OFFL_SIR_VOPNI_2_2000095*11110_2002095*11260_0051 CS_OFFL_SIR_VOPNI_2_2000095*11110_2002095*11260_0051 CS_OFFL_SIR_VOPNI_2_2000095*11100_0051 CS_OFFL_SIR_VOPNI_2_2000095*11100_0051 CS_OFFL_SIR_VOPNI_2_2000095*11000_0051 CS_OFFL_SIR_VOPNI_2_2000095*11000_0051 CS_OFFL_SIR_VOPNI_2_2000095*1100005*1000000000000000000000000	CS_OFFL_SIR_NOPM_2_20200605T095739_20200605T095804_C001	9	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and Beauseaster Quality Coop Alliment Plaque and Beauseaster Quality Flags have claimed. Finding and Debtacker Quality Coop Alliment Plaque and Beauseaster Quality Flags have claimed. An experimental plant of the Coop Alliment Plaque and Beauseaster Quality Flags have claimed. An experimental plant of the Coop Alliment Plaque and Beauseaster Quality Flags have claimed. An experimental plant of the Coop Alliment Plaque and Beauseaster Quality Flags have claimed. An experimental plant of the Coop Alliment Plaque and Beauseaster Quality Flags have claimed. An experimental plant of the Coop Alliment Plaque and Beauseaster Quality Flags have claimed. An experimental plant of the Coop Alliment Plaque and Beauseaster Quality Flags have claimed. An experimental plant of the Coop Alliment Plaque and Beauseaster Quality Flags have claimed. An experimental plant of the Coop Alliment Plaque and Beauseaster Quality Flags have claimed. An experimental plant of the Coop Alliment Plaque and Beauseaster Quality Flags have claimed. An experimental plant of the Coop Alliment Plaque and Beauseaster Quality Flags have claimed. An experimental plant of the Coop Alliment Plaque and Beauseaster Quality Flags have claimed. An experimental plant of the Coop Alliment Plaque and Beauseaster Quality Flags have	CS_OFFL_SIR_NOPM_2_20200605T102625_20200605T102856_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.
Specification of the control of the	CS_OFFL_SIR_NOPM_2_20200605T103022_20200605T105720_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.
and Readscated Caulity, COOS OFFL_SIR_NOPM_2_20200095T1428B_2020005T14746_0001 CS_OFFL_SIR_NOPM_2_20200095T1428B_2020005T14746_0001 CS_OFFL_SIR_NOPM_2_20200095T1428B_2020005T14746_0001 CS_OFFL_SIR_NOPM_2_20200095T1428B_2020005T14748B_20000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_20000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_20000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_2000005T14748B_20000	CS_OFFL_SIR_NOPM_2_20200605T110350_20200605T110939_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and selectated Quality, CODG and Statement Range and Selectated Quality Flags have after for one or more records. CS OFFL SIR NOPM 2 20200905114845 20200905114838 COO1 CS OFFL SIR NOPM 2 20200905114945 20200905114838 COO1 CS OFFL SIR NOPM 2 202009051120211, 202009051123907, COO1 CS OFFL SIR NOPM 2 202009051120212, 202009051124810, COO1 CS OFFL SIR NOPM 2 202009051125452 202009051126747 COO1 CS OFFL SIR NOPM 2 202009051125454 202009051126747 COO1 CS OFFL SIR NOPM 2 202009051125457 20200905114514 COO1 CS OFFL SIR NOPM 2 202009051145347 20200905114514 COO1 CS OFFL SIR NOPM 2 202009051145347 20200905114514 COO1 CS OFFL SIR NOPM 2 202009051145047 20200905114514 COO1 CS OFFL SIR NOPM 2 202009051145047 20200905114514 COO1 CS OFFL SIR NOPM 2 202009051145405 20200905114514 COO1 CS OFFL SIR NOPM 2 202009051145405 20200905114514 COO1 CS OFFL SIR NOPM 2 202009051145405 20200905114514 COO1 CS OFFL SIR NOPM 2 202009051145693 20200905114593 COO1 CS OFFL SIR NOPM 2 202009051145983 20200905114593 COO1 CS OFFL SIR NOPM 2 202009051145983 20200905114593 COO1 CS OFFL	CS_OFFL_SIR_NOPM_2_20200605T111123_20200605T112622_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.
and Backscatter Quality, COCS Altimeter Range and Backscatter Quality Flags have Altimeter Range and Backscatter Quality Flags have Altimeter Range and Backscatter Quality an	CS_OFFL_SIR_NOPM_2_20200605T113236_20200605T113746_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.
and Backscatter Quality COCG Allmeter Range and Backscatter Quality Flags have bee for one or more records. CS_OFFL_SIR_NOPM_2_20200005T124266_20200005T124810_COO1 CS_OFFL_SIR_NOPM_2_20200005T124562_20200005T125747_COO1 CS_OFFL_SIR_NOPM_2_20200005T125452_20200005T125747_COO1 CS_OFFL_SIR_NOPM_2_20200005T125452_20200005T125747_COO1 CS_OFFL_SIR_NOPM_2_20200005T132533_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132533_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132533_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132533_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132537_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132537_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132537_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132537_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132537_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132537_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132537_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132537_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132537_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_20200005T132539_COO1 COO1 CS_OFFL_SIR_NOPM_2_20200005T132539_COO1 CS_OFFL_SIR_NOPM_2_	CS_OFFL_SIR_NOPM_2_20200605T114845_20200605T114936_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.
Backscatter Quality CS_OFFL_SIR_NOPM_2_20200605T125452_2020605T125747_C001 CS_OFFL_SIR_NOPM_2_20200605T125452_2020605T125747_C001 CS_OFFL_SIR_NOPM_2_20200605T125452_2020605T132934_C001 CS_OFFL_SIR_NOPM_2_20200605T132533_2020605T132934_C001 CS_OFFL_SIR_NOPM_2_20200605T132533_2020605T132934_C001 CS_OFFL_SIR_NOPM_2_20200605T132533_2020605T132934_C001 CS_OFFL_SIR_NOPM_2_20200605T132537_2020605T132934_C001 CS_OFFL_SIR_NOPM_2_20200605T132934_C001 CS_OFFL_SIR_NOPM_2_20200605T132934_C001 CS_OFFL_SIR_NOPM_2_20200605T132934_C001 CS_OFFL_SIR_NOPM_2_20200605T132934_C001 CS_OFFL_SIR_NOPM_2_20200605T132934_C001 CS_OFFL_SIR_NOPM_2_20200605T132934_C001 CS_OFFL_SIR_NOPM_2_20200605T14294_C0010605T144217_C001 CS_OFFL_SIR_NOPM_2_20200605T144030_20200605T144217_C001 CS_OFFL_SIR_NOPM_2_20200605T144030_20200605T144217_C001 CS_OFFL_SIR_NOPM_2_20200605T144030_20200605T145124_C001 CS_OFFL_SIR_NOPM_2_20200605T14405_20200605T145124_C001 CS_OFFL_SIR_NOPM_2_20200605T145030_20200605T145124_C001 CS_OFFL_SIR_NOPM_2_20200605T145030_20200605T145124_C001 CS_OFFL_SIR_NOPM_2_20200605T145030_20200605T145030_C001 CS_OFFL_SIR_NOPM_2_20200605T145030_20200605T145030_C001 CS_OFFL_SIR_NOPM_2_20200605T145030_20200605T145030_C001 CS_OFFL_SIR_NOPM_2_20200605T145030_20200605T145030_C001 CS_OFFL_SIR_NOPM_2_20200605T145030_20200605T145030_C001 CS_OFFL_SIR_NOPM_2_20200605T145030_20200605T145030_C001 CS_OFFL_SIR_NOPM_2_20200605T145030_20200605T145030_C001 CS_OFFL_SIR_NOPM_2_20200605T145030_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T160450_C001 C	CS_OFFL_SIR_NOPM_2_20200605T120211_20200605T123607_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_20200605T145452_20200605T145747_C001 and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have det for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have bee for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have bee for one or more records. The OCEAN Altimeter Range and Backscatter Quality Flags have bee for one or more records. The OCEAN Altimeter Range and Backscatter Quality Flags have bee for one or more records. The OCEAN Altimeter Range and Backscatter Quality Flags have been one or more records. The OCEAN Altimeter Range and Backscatter Quality Flags have been one or more records. The OCEAN Altimeter Range and Backscatter Quality Flags have been one or more records. The OCEAN Altimeter Range and Backscatter Quality Flags have been or more records. The OCEAN Altimeter Range and Backscatter Quality Flags have been or more records. The OCEAN Altimeter Range and Backscatter Quality Flags have been or more records. The OCEAN Altimeter Range and Backscatter Quality Flags have been or more records. The OCEAN Altimeter Range and Backscatter Qua	CS_OFFL_SIR_NOPM_2_20200605T124256_20200605T124810_C001		
and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200605T132533_20200605T135100_C001 Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Quality And Backscatter Qualit	CS_OFFL_SIR_NOPM_2_20200605T125452_20200605T125747_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.
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records. CS_OFFL_SIR_NOPM_2_20200605T135347_20200605T141514_C001 CS_OFFL_SIR_NOPM_2_20200605T135347_20200605T141514_C001 CS_OFFL_SIR_NOPM_2_20200605T142304_20200605T142711_C001 CS_OFFL_SIR_NOPM_2_20200605T142304_20200605T142711_C001 CS_OFFL_SIR_NOPM_2_20200605T1423030_20200605T142711_C001 CS_OFFL_SIR_NOPM_2_20200605T1423030_20200605T142711_C001 CS_OFFL_SIR_NOPM_2_20200605T1423030_20200605T142711_C001 CS_OFFL_SIR_NOPM_2_20200605T14405_20200605T14271_C001 CS_OFFL_SIR_NOPM_2_20200605T14405_20200605T145121_C001 CS_OFFL_SIR_NOPM_2_20200605T14405_20200605T145121_C001 CS_OFFL_SIR_NOPM_2_20200605T145208_20200605T145638_C001 CS_OFFL_SIR_NOPM_2_20200605T145208_20200605T155426_C001 CS_OFFL_SIR_NOPM_2_20200605T155833_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_S	CS_OFFL_SIR_NOPM_2_20200605T132533_20200605T132934_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.
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_NOPM_2_20200605T142304_20200605T142711_C001 CS_OFFL_SIR_NOPM_2_20200605T142304_20200605T142711_C001 CS_OFFL_SIR_NOPM_2_20200605T143030_20200605T144217_C001 CS_OFFL_SIR_NOPM_2_20200605T143030_20200605T144217_C001 CS_OFFL_SIR_NOPM_2_20200605T144405_20200605T144217_C001 CS_OFFL_SIR_NOPM_2_20200605T144405_20200605T145121_C001 CS_OFFL_SIR_NOPM_2_20200605T14508_20200605T145121_C001 CS_OFFL_SIR_NOPM_2_20200605T145208_20200605T145638_C001 CS_OFFL_SIR_NOPM_2_20200605T152215_20200605T155426_C001 CS_OFFL_SIR_NOPM_2_20200605T155633_20200605T155426_C001 CS_OFFL_SIR_NOPM_2_20200605T155633_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T155633_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_NOPM_2_20200605T134219_20200605T135100_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.
Backscatter Quality CS_OFFL_SIR_NOPM_2_20200605T143030_20200605T144217_C001 Backscatter Quality CS_OFFL_SIR_NOPM_2_20200605T143030_20200605T144217_C001 CS_OFFL_SIR_NOPM_2_20200605T144405_20200605T145121_C001 CS_OFFL_SIR_NOPM_2_20200605T144405_20200605T145121_C001 CS_OFFL_SIR_NOPM_2_20200605T145208_20200605T145638_C001 CS_OFFL_SIR_NOPM_2_20200605T145208_20200605T145638_C001 CS_OFFL_SIR_NOPM_2_20200605T145208_20200605T145638_C001 CS_OFFL_SIR_NOPM_2_20200605T152215_20200605T155426_C001 CS_OFFL_SIR_NOPM_2_20200605T152215_20200605T155426_C001 CS_OFFL_SIR_NOPM_2_20200605T155633_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records.	CS_OFFL_SIR_NOPM_2_20200605T135347_20200605T141514_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.
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have Set for one or more records. CS_OFFL_SIR_NOPM_2_20200605T144405_20200605T145121_C001 CS_OFFL_SIR_NOPM_2_20200605T144405_20200605T145121_C001 CS_OFFL_SIR_NOPM_2_20200605T145208_20200605T145638_C001 CS_OFFL_SIR_NOPM_2_20200605T145208_20200605T145638_C001 CS_OFFL_SIR_NOPM_2_20200605T152215_20200605T155426_C001 CS_OFFL_SIR_NOPM_2_20200605T152215_20200605T155426_C001 CS_OFFL_SIR_NOPM_2_20200605T152215_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T155633_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CCCOG Altimeter Range Quality, OCCOG Backscatter Quality Flags have been for one or more records. CCCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. CCCOG Altimeter Range Quality, OCCOG Backscatter Quality Flags have been for one or more records.	CS_OFFL_SIR_NOPM_2_20200605T142304_20200605T142711_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_NOPM_2_20200605T145208_20200605T145638_C001 CS_OFFL_SIR_NOPM_2_20200605T145208_20200605T145638_C001 CS_OFFL_SIR_NOPM_2_20200605T152215_20200605T155426_C001 CS_OFFL_SIR_NOPM_2_20200605T152215_20200605T155426_C001 CS_OFFL_SIR_NOPM_2_20200605T155633_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T155633_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C00	CS_OFFL_SIR_NOPM_2_20200605T143030_20200605T144217_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_20200605T145208_20200605T145638_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200605T152215_20200605T155426_C001 CS_OFFL_SIR_NOPM_2_20200605T155433_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T155633_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records. The Ocoa Altimeter Range and Backscatter Quality Flags have been for one or more records. CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001	CS_OFFL_SIR_NOPM_2_20200605T144405_20200605T145121_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_20200605T152215_20200605T155426_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200605T155633_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T155633_20200605T160155_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001 CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001	CS_OFFL_SIR_NOPM_2_20200605T145208_20200605T145638_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_20200605T155633_20200605T160155_C001 Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records.	CS_OFFL_SIR_NOPM_2_20200605T152215_20200605T155426_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_202006051160214_202006051160453_C001 Backscatter Quality for one or more records.	CS_OFFL_SIR_NOPM_2_20200605T155633_20200605T160155_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality F	CS_OFFL_SIR_NOPM_2_20200605T160214_20200605T160453_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	CS_OFFL_SIR_NOPM_2_20200605T161255_20200605T162525_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_20200605T162536_20200605T164302_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_20200605T164425_20200605T164850_C001 OCOG Altimeter Range Quality, OCOG for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records.	CS_OFFL_SIR_NOPM_2_20200605T164425_20200605T164850_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	CS_OFFL_SIR_NOPM_2_20200605T170423_20200605T171618_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_20200605T171823_20200605T173331_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_20200605T173553_20200605T174052_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_20200605T174059_20200605T174106_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_20200605T174131_20200605T174253_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_20200605T175006_20200605T180031_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_20200605T180819_20200605T181906_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_20200605T185820_20200605T191235_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_20200605T191509_20200605T192003_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_20200605T192045_20200605T192152_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_20200605T192700_20200605T200023_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_20200605T220529_20200605T223143_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_20200605T223333_20200605T223833_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_20200605T223840_20200605T224208_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_20200605T224547_20200605T231957_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_20200605T234415_20200605T235227_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_20200605T003435_20200605T003454_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_20200605T020117_20200605T020139_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_20200605T042751_20200605T043027_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_20200605T060706_20200605T060734_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_20200605T083714_20200605T084200_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_20200605T115026_20200605T115120_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_20200605T025221_20200605T025540_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_20200605T070012_20200605T070119_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_20200605T120010_20200605T120056_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_20200605T202744_20200605T202819_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors:

81

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200605T001024_20200605T001156_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_20200605T002437_20200605T002451_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_20200605T002612_20200605T002735_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_20200605T003154_20200605T003211_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_20200605T010301_20200605T010426_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_20200605T021129_20200605T021138_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_20200605T021834_20200605T022206_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_20200605T024245_20200605T024536_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_20200605T024845_20200605T025220_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_20200605T034111_20200605T034213_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_20200605T042323_20200605T042555_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_20200605T042751_20200605T043027_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_20200605T050341_20200605T050529_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_20200605T052400_20200605T052515_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_20200605T055857_20200605T060440_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_20200605T065801_20200605T070011_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_20200605T070551_20200605T070713_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_20200605T072059_20200605T072250_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_20200605T074046_20200605T074224_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_20200605T075110_20200605T075319_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_20200605T084301_20200605T084422_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_20200605T101157_20200605T101210_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_20200605T105957_20200605T110349_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_20200605T110940_20200605T111105_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_20200605T115026_20200605T115120_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_20200605T132419_20200605T132532_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_20200605T141717_20200605T142133_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_20200605T142711_20200605T142834_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_20200605T160453_20200605T160639_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_20200605T164308_20200605T164425_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_20200605T180355_20200605T180438_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_20200605T180522_20200605T180650_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_20200605T182302_20200605T182557_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_20200605T182646_20200605T182858_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_20200605T191304_20200605T191509_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_20200605T200328_20200605T200721_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_20200605T202216_20200605T202330_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_20200605T202423_20200605T202744_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_20200605T231958_20200605T232128_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_20200605T232213_20200605T232317_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_20200605T235227_20200605T235601_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_20200605T002521_20200605T002612_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_20200605T002735_20200605T002808_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_20200605T010117_20200605T010301_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_20200605T014952_20200605T015207_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_20200605T020616_20200605T020951_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_20200605T021254_20200605T021338_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_20200605T023950_20200605T024244_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_20200605T025221_20200605T025540_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_20200605T032844_20200605T033010_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_20200605T033211_20200605T033332_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_20200605T034214_20200605T034357_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_20200605T053904_20200605T054310_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_20200605T091814_20200605T092021_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_20200605T093124_20200605T093305_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_20200605T101210_20200605T101743_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_20200605T105720_20200605T105956_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_20200605T113211_20200605T113236_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_20200605T114701_20200605T114749_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_20200605T114937_20200605T115025_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_20200605T115121_20200605T115912_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_20200605T120010_20200605T120056_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_20200605T123608_20200605T123943_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_20200605T132934_20200605T134219_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_20200605T141515_20200605T141716_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_20200605T144217_20200605T144404_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_20200605T151049_20200605T151839_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_20200605T151936_20200605T152214_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_20200605T160639_20200605T161255_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_20200605T164944_20200605T165525_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_20200605T171619_20200605T171822_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_20200605T182142_20200605T182302_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_20200605T182558_20200605T182645_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_20200605T182858_20200605T183549_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_20200605T184933_20200605T185820_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_20200605T200024_20200605T200227_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 OFFI SIR NORR 2 20200605T200721 20200605T201237 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_20200605T202744_20200605T202819_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 OFFE SIR NOPR / /0/006051/15/16 /0/006051/15536 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_20200605T232128_20200605T232212_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_20200605T234007_20200605T234204_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors: 177

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: 58

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