

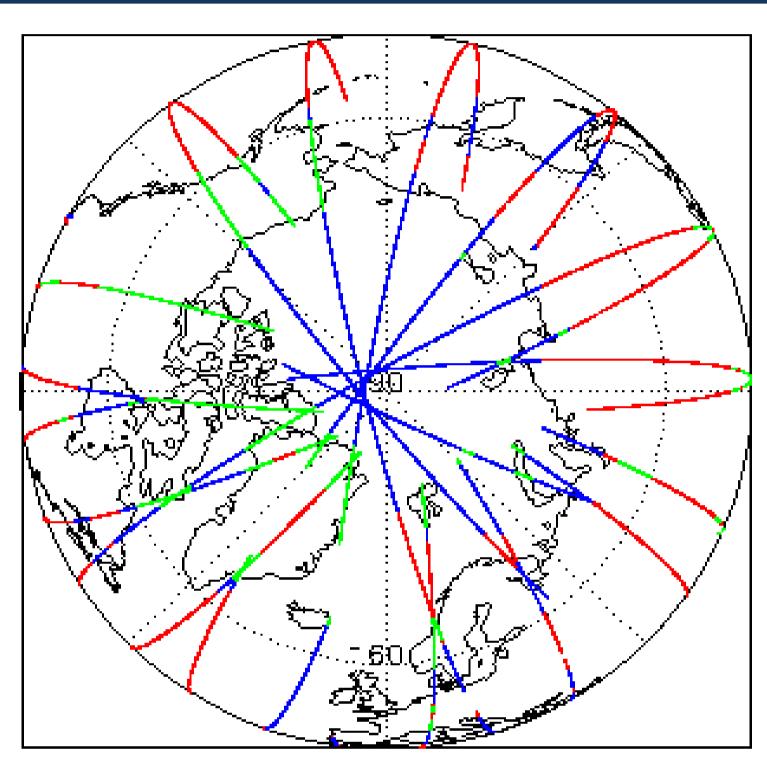
1. Overview

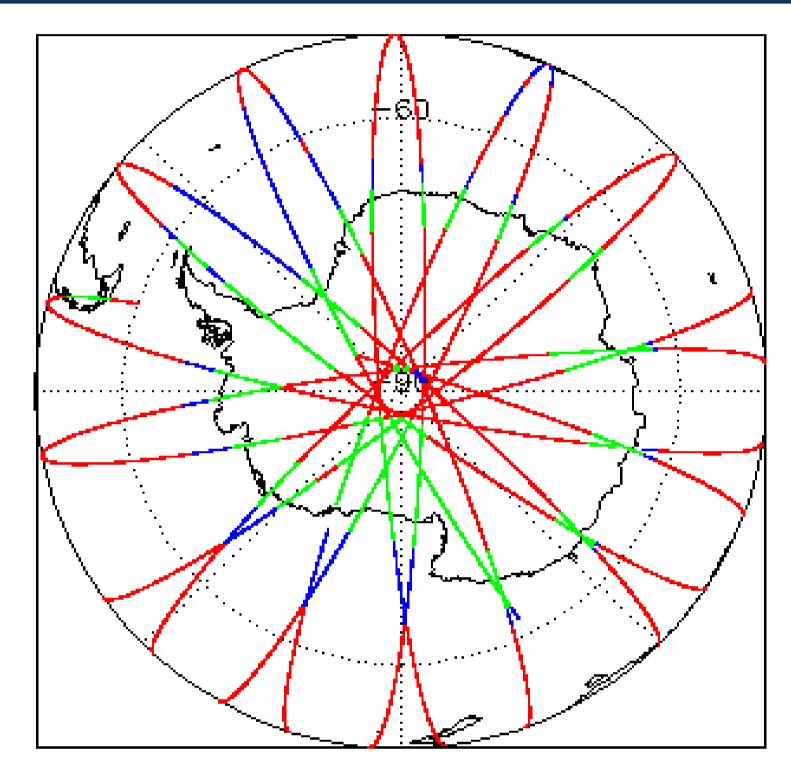
Report Production:	22-Apr-2020
Processor Used:	CryoSat Ocean Processor
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

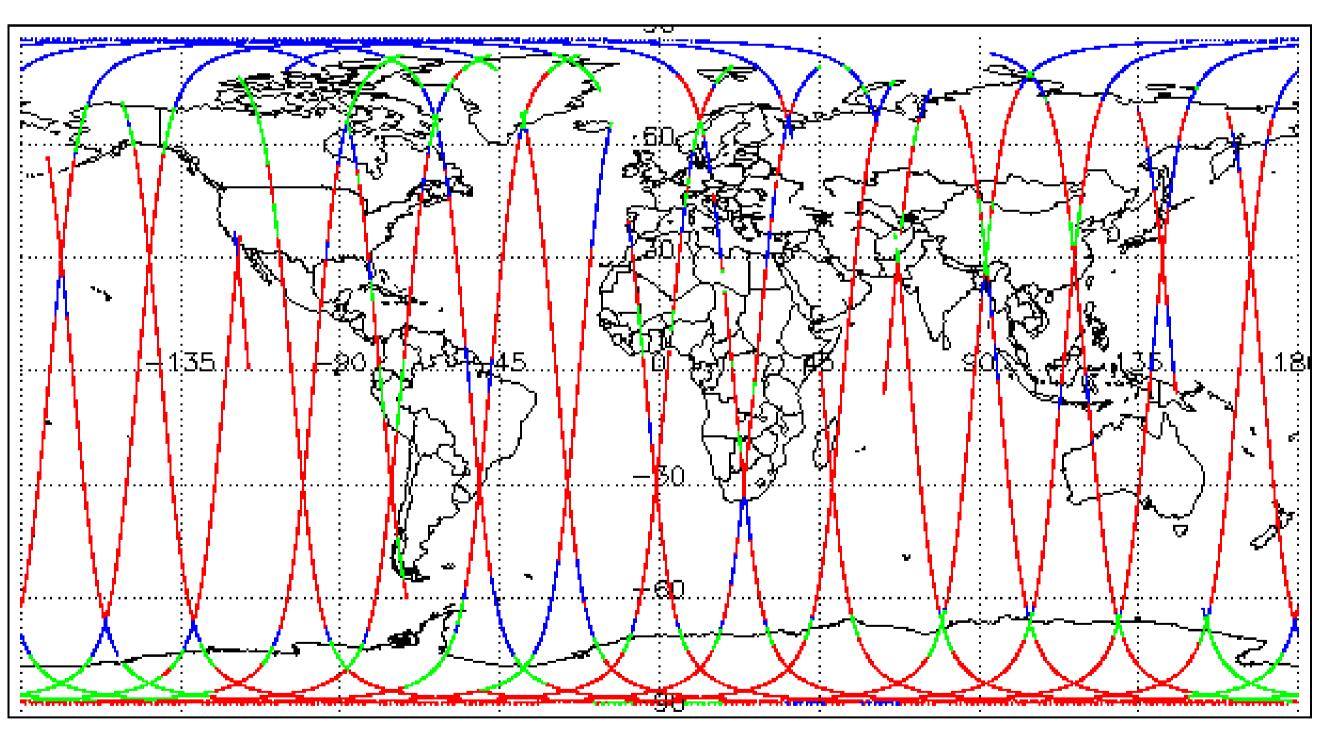
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement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

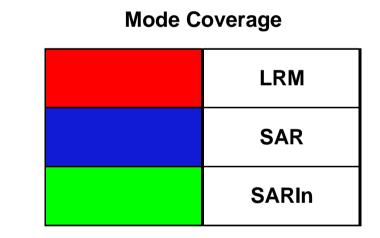
Mission / Instru	ument News
20-Apr-2020	None
21-Apr-2020	None
22-Apr-2020	Nothing planned

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:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

0

4.6 L1B Waveform Group Data Check

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

> Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

Number of products with errors:

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Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200421T064122_20200421T065001_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200421T034938_20200421T035138_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200421T074301_20200421T074438_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200421T084643_20200421T084849_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200421T102130_20200421T102635_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200421T115437_20200421T115510_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200421T165231_20200421T165516_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200421T200757_20200421T200915_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200421T201115_20200421T201151_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200421T211434_20200421T211733_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200421T083550_20200421T083724_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200421T085126_20200421T085220_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200421T102644_20200421T102934_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200421T110333_20200421T110451_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200421T115510_20200421T115624_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200421T133038_20200421T133210_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200421T150109_20200421T150453_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200421T201331_20200421T202013_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

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

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- > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200421T085220_20200421T090312_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or
	wean Sea Surrace (1), wean Dynamic	more records There is an error with the MSS height (solution 1), the Mean Dynamic
CS_OFFL_SIR_NOPM_2_20200421T200439_20200421T200520_C001	Topography (1), Total Geocentric Ocean	Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPM_2_20200421T233950_20200421T234032_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_20200421T024728_20200421T024850_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_20200421T025417_20200421T025648_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_20200421T042659_20200421T042814_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_20200421T043315_20200421T043634_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_20200421T060749_20200421T061026_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_20200421T061219_20200421T061845_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_20200421T070302_20200421T070422_C001	Topography (1), Total Geocentric Ocean	Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200421T074523_20200421T074921_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_20200421T084217_20200421T084322_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPN_2_20200421T092519_20200421T092714_C001	Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200421T102130_20200421T102635_C001	Topography (1) Mean Dynamic Topography (1)	Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or
	iviean Sea Surrace (1), iviean Dynamic	more records I nere is an error with the ivi55 neight (solution 1), the iviean Dynamic Tanagraphy height (solution 1) and the Total Concentric Occan Tide height
CS_OFFL_SIR_NOPN_2_20200421T110451_20200421T110610_C001	Topography (1), Total Geocentric Ocean	Topography height (solution 1) and the Total Geocentric Ocean Tide height (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_20200421T124617_20200421T124817_C001	Mean Dynamic Topography (1) Iviean Sea Surrace (1), Iviean Dynamic	more records
CS_OFFL_SIR_NOPN_2_20200421T142403_20200421T142725_C001	Topography (1), Total Geocentric Ocean	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_20200421T143249_20200421T143407_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_20200421T152249_20200421T152615_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_20200421T160300_20200421T160621_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_20200421T165231_20200421T165516_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_20200421T175013_20200421T175143_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_20200421T183314_20200421T183416_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_20200421T192734_20200421T192938_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_20200421T201151_20200421T201331_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_20200421T205746_20200421T205933_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_20200421T211434_20200421T211733_C001	Topography (1), Total Geocentric Ocean	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_20200421T224706_20200421T224913_C001	Tide (GOT) Total Geocentric Ocean Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200421T232405_20200421T233023_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_20200421T021530_20200421T021716_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_20200421T074439_20200421T074522_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200421T083550_20200421T083724_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_20200421T083748_20200421T083913_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_20200421T115644_20200421T120149_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_20200421T133038_20200421T133210_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_20200421T133347_20200421T134351_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_20200421T151429_20200421T152249_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_20200421T165516_20200421T170300_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_20200421T183417_20200421T184001_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_20200421T201331_20200421T202013_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_20200421T215201_20200421T215721_C001	() / /	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200421T233753_20200421T233950_C001	ilviean Dynamic Tobography (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:

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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200420T234052_20200421T000816_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_20200421T004043_20200421T010721_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_20200421T010854_20200421T011347_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_20200421T011354_20200421T011723_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_20200421T012044_20200421T015523_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_20200421T020841_20200421T020946_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_20200421T023010_20200421T023748_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_20200421T024037_20200421T024200_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_20200421T024359_20200421T024650_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_20200421T024850_20200421T025417_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_20200421T030010_20200421T032224_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_20200421T032505_20200421T0333345_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_20200421T034703_20200421T034938_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_20200421T040617_20200421T042556_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_20200421T043913_20200421T051212_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_20200421T051455_20200421T051539_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_20200421T053754_20200421T060050_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_20200421T061026_20200421T061219_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_20200421T063506_20200421T063640_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_20200421T064122_20200421T065001_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_20200421T065425_20200421T065446_C001 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, OCOG Set for one or in the OCOG	timeter Range, SSHA, SWH and Backscatter Quality Flags G Altimeter Range and Backscatter Quality Flags have been more records. timeter Range, SSHA, SWH and Backscatter Quality Flags G Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200421T070906_20200421T072521_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200421T072735_20200421T074212_C001 CS_OFFL_SIR_NOPM_2_20200421T074921_20200421T075130_C001 CS_OFFL_SIR_NOPM_2_20200421T074921_20200421T075633_C001 CS_OFFL_SIR_NOPM_2_20200421T075219_20200421T075633_C001 CS_OFFL_SIR_NOPM_2_20200421T075219_20200421T075633_C001 CS_OFFL_SIR_NOPM_2_20200421T075219_20200421T075633_C001 CS_OFFL_SIR_NOPM_2_20200421T075219_20200421T075633_C001 CS_OFFL_SIR_NOPM_2_20200421T075219_20200421T075633_C001	G Altimeter Range and Backscatter Quality Flags have been more records. timeter Range, SSHA, SWH and Backscatter Quality Flags G Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200421T072735_20200421T074212_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200421T074921_20200421T075130_C001 CS_OFFL_SIR_NOPM_2_20200421T075219_20200421T075633_C001 CS_OFFL_SIR_NOPM_2_20200421T075219_20200421T075633_C001 CS_OFFL_SIR_NOPM_2_20200421T075219_20200421T075633_C001 CS_OFFL_SIR_NOPM_2_20200421T075219_20200421T075633_C001 CS_OFFL_SIR_NOPM_2_20200421T075219_20200421T075633_C001	G Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200421T074921_20200421T075130_C001 Backscatter Quality OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range Quality Altimeter	more records.
US DEEL SIR NOPN/ / /U/004/110/5/19 /U/004/110/5633 COOT	timeter Range and Backscatter Quality Flags have been set e records.
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	timeter Range, SSHA, SWH and Backscatter Quality Flags G Altimeter Range and Backscatter Quality Flags have been more records.
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	timeter Range, SSHA, SWH and Backscatter Quality Flags 3 Altimeter Range and Backscatter Quality Flags have been more records.
CS_OFFL_SIR_NOPM_2_20200421T092714_20200421T093534_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range Quality, OCOG Backscatter Quality	timeter Range and Backscatter Quality Flags have been set e records.
	timeter Range, SSHA, SWH and Backscatter Quality Flags G Altimeter Range and Backscatter Quality Flags have been more records.
	timeter Range, SSHA, SWH and Backscatter Quality Flags G Altimeter Range and Backscatter Quality Flags have been more records.
CS_OFFL_SIR_NOPM_2_20200421T100604_20200421T100641_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality For one or more	timeter Range and Backscatter Quality Flags have been set e records.
	timeter Range, SSHA, SWH and Backscatter Quality Flags 3 Altimeter Range and Backscatter Quality Flags have been more records.
	timeter Range, SSHA, SWH and Backscatter Quality Flags 3 Altimeter Range and Backscatter Quality Flags have been more records.
CS_OFFL_SIR_NOPM_2_20200421T110610_20200421T110810_C001 OCOG Altimeter Range Quality, OCOG for one or more	timeter Range and Backscatter Quality Flags have been set e records.
CS_OFFL_SIR_NOPM_2_20200421T110854_20200421T111358_C001 OCOG Altimeter Range Quality, OCOG for one or more	timeter Range and Backscatter Quality Flags have been set e records.
Ocean Altimeter Range, SSHA, SWH The Ocean Alt	timeter Range, SSHA, SWH and Backscatter Quality Flags 3 Altimeter Range and Backscatter Quality Flags have been more records.
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Altimeter Range and Backscatter Quality Set for one or in the CS_OFFL_SIR_NOPM_2_20200421T121407_20200421T124209_C001 Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or in the CS_OFFL_SIR_NOPM_2_20200421T121407_20200421T124209_C001 Altimeter Range and Backscatter Quality set for one or in the CS_OFFL_SIR_NOPM_2_20200421T121407_20200421T124209_C001 Altimeter Range and Backscatter Quality set for one or in the CS_OFFL_SIR_NOPM_2_20200421T121407_20200421T124209_C001	timeter Range, SSHA, SWH and Backscatter Quality Flags 3 Altimeter Range and Backscatter Quality Flags have been more records. timeter Range and Backscatter Quality Flags have been set
Altimeter Range and Backscatter Quality set for one or in CS_OFFL_SIR_NOPM_2_20200421T121407_20200421T124209_C001 CS_OFFL_SIR_NOPM_2_20200421T124817_20200421T125418_C001 Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or in CS_OFFL_SIR_NOPM_2_20200421T124817_20200421T125418_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range Quality, OCOG Company of the OCOG Altimeter Range Quality (CS_OFFL_SIR_NOPM_2_20200421T125418_C001) OCOG Altimeter Range Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality The Ocean Altimeter Range Range Quality (CS_OFFL_SIR_NOPM_2_20200421T125418_C001) OCEAN Altimeter Range Ran	timeter Range, SSHA, SWH and Backscatter Quality Flags G Altimeter Range and Backscatter Quality Flags have been more records. timeter Range and Backscatter Quality Flags have been set re records. timeter Range, SSHA, SWH and Backscatter Quality Flags G Altimeter Range and Backscatter Quality Flags have been
Altimeter Range and Backscatter Quality Set for one or of the CS_OFFL_SIR_NOPM_2_20200421T121407_20200421T124209_C001 CS_OFFL_SIR_NOPM_2_20200421T124817_20200421T125418_C001 CS_OFFL_SIR_NOPM_2_20200421T124817_20200421T125418_C001 CS_OFFL_SIR_NOPM_2_20200421T12549_20200421T131334_C001 Altimeter Range and Backscatter 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 The Ocean Altimeter Range, SSHA, SWH Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH	timeter Range, SSHA, SWH and Backscatter Quality Flags G Altimeter Range and Backscatter Quality Flags have been more records. timeter Range and Backscatter Quality Flags have been set re records. timeter Range, SSHA, SWH and Backscatter Quality Flags G Altimeter Range and Backscatter Quality Flags have been more records. timeter Range, SSHA, SWH and Backscatter Quality Flags G Altimeter Range and Backscatter Quality Flags have been go and Backscatter Quality Flags have been grange and Backscatter Quality Flags have been grange.
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## Special Control Con			
Descriptions of the property o	CS_OFFL_SIR_NOPM_2_20200421T144336_20200421T144703_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Cit_1941_SR_N2PH_2_20006F1162F1_20004F1163F6_CCEI Cit_1941_SR_N2PH_2_20006F1163F1_20004F1163F6_CCEI Cit_1941_SR_N2PH_2_20006F1163F2_20004F1163F6_CCEI Cit_1941_SR_N2PH_2_20006F1163F2_20004F1163F6_CCEI Cit_1941_SR_N2PH_2_20006F1163F6_CCEI Cit_1941_SR_N2PH_2_2006F1163F6_CCEI Cit_1941_SR_N2PH_2_20006F1163F6_CCEI Cit_	CS_OFFL_SIR_NOPM_2_20200421T145330_20200421T145812_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
District	CS_OFFL_SIR_NOPM_2_20200421T151057_20200421T151429_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.
### Exchanged Colling ### Collin	CS_OFFL_SIR_NOPM_2_20200421T152646_20200421T153525_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.
Discovered Country CS_OFFL_SIR_NORM_2_200200421T16933_0000042T16039_C0001 Discovered Finding Signs_S	CS_OFFL_SIR_NOPM_2_20200421T153810_20200421T160034_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.
Sedestate Goalty CS. OFFL SRI, NOPV 2, 20205421110303 20205421110305 CO01 CS. OFFL SRI, NOPV 2, 20205421110303 20205421110305 CO01 CS. OFFL SRI, NOPV 3, 20205421110305 2020542110305 CO01 CS. OFFL SRI, NOPV 3, 2020542110305 2020542110305 CO01 CS. OFFL SRI, NOPV 3, 2020	CS_OFFL_SIR_NOPM_2_20200421T160621_20200421T160728_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and the GOOD Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs, and Backscatter Quality Flags twee being from the Good Affirmer Sungs, and Backscatter Quality Flags twee being from the Good Affirmer Sungs, and Backscatter Quality Flags twee being from the Good Affirmer Sungs, and Backscatter Quality Flags twee being from the Good Affirmer Sungs, and Backscatter Quality Flags twee being from the Good Affirmer Sungs, and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Good Affirmer Sungs and Backscatter Quality Flags twee being from the Go	CS_OFFL_SIR_NOPM_2_20200421T160733_20200421T161141_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
and flacecanter Quality, OCOG Alternet Range, SHA, SWH The OCOG Alternet Range and Backscatter Quality Rage Reverber Activated Range, SHA, SWH The OCOG Alternet Range and Backscatter Quality Rage Reverber Activated Range, SHA, SWH The OCOG Alternet Range and Backscatter Quality Rage Reverber Activated Range SHA, SWH The OCOG Alternet Range and Backscatter Quality Rage Reverber Activated Range, SHA, SWH The OCOG Alternet Range and Backscatter Quality Rage Reverber Activated Range, SHA, SWH The OCOG Alternet Range and Backscatter Quality Rage Reverber Activated Range, SHA, SWH The OCOG Alternet Range and Backscatter Quality Rage Reverber Activated Range, SHA, SWH The OCOG Alternet Range and Backscatter Quality Rage Reverber Activated Range SHA, SWH The OCOG Alternet Range and Backscatter Quality Riggs Reverber Activated Range and Backscatter Quality Riggs Reverber Activated Range and Backscatter Quality Riggs Reverber Activated Range and Backscatter Quality Riggs Re	CS_OFFL_SIR_NOPM_2_20200421T161341_20200421T162652_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.
om Backscarter Caulity COCG Allimeter Range and Backscarter Caulity Flags have be store or more records. CS_OFFL_SIR_NOPM_2_20200421T174312_0200427T-7802_C001 CS_OFFL_SIR_NOPM_2_20200421T174372_20200427T-7802_C001 CS_OFFL_SIR_NOPM_2_20200421T174372_20200427T-7802_C001 CS_OFFL_SIR_NOPM_2_20200421T174372_20200427T-80842_C001 CS_OFFL_SIR_NOPM_2_20200421T174572_20200427T-80842_C001 CS_OFFL_SIR_NOPM_2_20200421T194042_20200427T-80842_C001 CS_OFFL_SIR_NOPM_2_20200421T194042_20200427T-80842_C001 CS_OFFL_SIR_NOPM_2_20200421T194042_20200427T-80842_C001 CS_OFFL_SIR_NOPM_2_20200421T194042_20200427T-80842_C001 CS_OFFL_SIR_NOPM_2_20200427T-80842_C001 CS_OFFL_SIR_NOPM_2_20200427T-80842_C0020427T-80843_C001 CS_OFFL_SIR_NOPM_2_20200427T-80842_C0020427T-80843_C001 CS_OFFL_SIR_NOPM_2_20200427T-80842_C0020427T-80843_C001 CS_OFFL_SIR_NOPM_2_20200427T-80842_C0020427T-80843_C001 CS_OFFL_SIR_NOPM_2_20200427T-80842_C0020427T-80843_C001 CS_OFFL_SIR_NOPM_2_20200427T-80842_C0020427T-80843_C001 CS_OFFL_SIR_NOPM_2_20200427T-80842_C0020427T-80843_C001 CS_OFFL_SIR_NOPM_2_20200427T-80842_C0020427T-80843_C001 CS_OFFL_SIR_NOPM_2_20200427T-808	CS_OFFL_SIR_NOPM_2_20200421T162833_20200421T163315_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.
GS OFFL SIR NOPM 2 2020042*1176792 2020042*1176924 C001 CS OFFL SIR NOPM 2 2020042*1176792 2020042*118694 C001 CS OFFL SIR NOPM 2 2020042*1196792 2020042*119694 C001 CS OFFL SIR NOPM 2 2020042*119694 2020042*119695 C001 CS OFFL SIR NOPM 2 2020042*119604 2020042*119695 C001 CS OFFL SIR NOPM 2 2020042*119605 C001 CS OFFL SIR NOPM 2 2020042*119605 C000 CS OFFL SIR NOPM 2 2020042*119606 C000 CS OFFL SIR NOPM 2 2020042*119620 C000042*119606 C000 CS OFFL SIR NOPM 2 2020042*120694 C000042*120695 C000042*120695 C000042*120695 C000042*120695 C000042*120695 C000042*120695 C000042*12069	CS_OFFL_SIR_NOPM_2_20200421T170516_20200421T173847_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.
Sockscalard Quality CS_OFFL_SIR_NOPIM_2_2020421T175727_2020421T182842_C001 All invertee Range SSHA, SWH and Backscalard Quality Flags have been all to come or more records. CS_OFFL_SIR_NOPIM_2_2020421T184846_21220421T18594_C001 CS_OFFL_SIR_NOPIM_2_2020421T186846_21220421T18594_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T19521_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T192524_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T192524_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T192524_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T192524_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T192524_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T192524_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T19254_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T19254_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T19254_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T19254_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T19254_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T19254_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2020421T192734_C001 CS_OFFL_SIR_NOPIM_2_2020421T190046_2	CS_OFFL_SIR_NOPM_2_20200421T174130_20200421T174626_C001		
od Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have be Altimeter Range and Backsca	CS_OFFL_SIR_NOPM_2_20200421T174647_20200421T175012_C001		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 be Altimeter Range and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter Quality Flags have be and the CCOG Altimeter Range and Backscatter	CS_OFFL_SIR_NOPM_2_20200421T175727_20200421T182842_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, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality, O	CS_OFFL_SIR_NOPM_2_20200421T184846_20200421T185604_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 20200421T192600 20200421T192734 C001 CS OFFL SIR NOPM 2 20200421T193526_20200421T194905_C001 CS_OFFL_SIR_NOPM_2_20200421T193526_20200421T194905_C001 CS_OFFL_SIR_NOPM_2_20200421T19520 20200421T200319 C001 CS_OFFL_SIR_NOPM_2_20200421T19520 20200421T200319 C001 CS_OFFL_SIR_NOPM_2_20200421T20524_20200421T200319 C001 CS_OFFL_SIR_NOPM_2_20200421T20524_20200421T20529_C001 CS_OFFL_SIR_NOPM_2_20200421T203045 20200421T204105 C001 CS_OFFL_SIR_NOPM_2_20200421T203045 20200421T204105 C001 CS_OFFL_SIR_NOPM_2_20200421T203045 20200421T204105 C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T205715_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T205715_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T20435_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T20615 C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615 C001 COCAA Altimeter Range Cuality. CCOG Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615 C001 CCCAA Altimeter Range Cuality. CCOG Backscatter Quality Flags have been at for one or more records. CCCCAA Altimeter Range Cuality. CCOG Backscatter Quality Flags have been at for one or more records. CCCCAA Altimeter Range C	CS_OFFL_SIR_NOPM_2_20200421T190046_20200421T191821_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_20200421T193526_20200421T194905_C001 CS_OFFL_SIR_NOPM_2_20200421T193526_20200421T194905_C001 CS_OFFL_SIR_NOPM_2_20200421T195220_20200421T200319_C001 CS_OFFL_SIR_NOPM_2_20200421T195220_20200421T200319_C001 CS_OFFL_SIR_NOPM_2_20200421T20524_20200421T200319_C001 CS_OFFL_SIR_NOPM_2_20200421T20524_20200421T202529_C001 CS_OFFL_SIR_NOPM_2_20200421T203045_20200421T204105_C001 CS_OFFL_SIR_NOPM_2_20200421T203045_20200421T204105_C001 CS_OFFL_SIR_NOPM_2_20200421T204245_20200421T205715_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T20514_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T20514_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T20514_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T20514_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T20514_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210435_C001 CCG_OFFL_SIR_NOPM_2_20200421T210514_20200421T210435_C001 CCG_OFFL_SIR_NOPM_2_202004	CS_OFFL_SIR_NOPM_2_20200421T192011_20200421T192524_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 be set for one or more records. CS_OFFL_SIR_NOPM_2_20200421T19520_20200421T200319_C001 CS_OFFL_SIR_NOPM_2_20200421T202524_20200421T200319_C001 CS_OFFL_SIR_NOPM_2_20200421T202524_20200421T202529_C001 CS_OFFL_SIR_NOPM_2_20200421T202524_20200421T202529_C001 CS_OFFL_SIR_NOPM_2_20200421T203045_20200421T204105_C001 CS_OFFL_SIR_NOPM_2_20200421T203045_20200421T204105_C001 CS_OFFL_SIR_NOPM_2_20200421T203045_20200421T204105_C001 CS_OFFL_SIR_NOPM_2_20200421T204245_20200421T205715_C001 CS_OFFL_SIR_NOPM_2_20200421T204245_20200421T205715_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T20435_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210515_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210515_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210515_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210515_C0	CS_OFFL_SIR_NOPM_2_20200421T192600_20200421T192734_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 been after one or more records. CS_OFFL_SIR_NOPM_2_20200421T202524_20200421T202529_C001 CS_OFFL_SIR_NOPM_2_20200421T202524_20200421T202529_C001 CS_OFFL_SIR_NOPM_2_20200421T203045_20200421T204105_C001 CS_OFFL_SIR_NOPM_2_20200421T203045_20200421T204105_C001 CS_OFFL_SIR_NOPM_2_20200421T203045_20200421T204105_C001 CS_OFFL_SIR_NOPM_2_20200421T204245_20200421T205715_C001 CS_OFFL_SIR_NOPM_2_20200421T204245_20200421T205715_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been after the component of the	CS_OFFL_SIR_NOPM_2_20200421T193526_20200421T194905_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_20200421T203045_20200421T204105_C001 CS_OFFL_SIR_NOPM_2_20200421T203045_20200421T204105_C001 CS_OFFL_SIR_NOPM_2_20200421T204245_20200421T205715_C001 CS_OFFL_SIR_NOPM_2_20200421T204245_20200421T205715_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CCean Altimeter Range Quality, OCOG Backscatter Quality Flags have been store on or	CS_OFFL_SIR_NOPM_2_20200421T195220_20200421T200319_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, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200421T204245_20200421T205715_C001 CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T210435_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T211310_20200421T211434_C001 And Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCO	CS_OFFL_SIR_NOPM_2_20200421T202524_20200421T202529_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200421T204245_20200421T210435_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been store one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been store one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been store one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been store one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been store one or more records.	CS_OFFL_SIR_NOPM_2_20200421T203045_20200421T204105_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_20200421T210435_C001 Backscatter Quality CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001 CS_OFFL_SIR_NOPM_2_20200421T211310_20200421T211434_C001 Backscatter Quality for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been so for one or more records. CS_OFFL_SIR_NOPM_2_20200421T211310_20200421T211434_C001 The OCOG Altimeter Range and Backscatter Quality Flags have been so for one or more records.	CS_OFFL_SIR_NOPM_2_20200421T204245_20200421T205715_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_20200421T210514_20200421T210615_C001 Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be	CS_OFFL_SIR_NOPM_2_20200421T205934_20200421T210435_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200421T211310_20200421T211434_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have be	CS_OFFL_SIR_NOPM_2_20200421T210514_20200421T210615_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	CS_OFFL_SIR_NOPM_2_20200421T211310_20200421T211434_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_20200421T211733_20200421T212630_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_20200421T213009_20200421T213457_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_20200421T221343_20200421T223640_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_20200421T224007_20200421T224351_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_20200421T224413_20200421T224706_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_20200421T225008_20200421T231851_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_20200421T235028_20200422T001614_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_20200421T011850_20200421T011906_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_20200421T084217_20200421T084322_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_20200421T093534_20200421T093622_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_20200421T191833_20200421T192010_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_20200421T224407_20200421T224413_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_20200421T034639_20200421T034703_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_20200421T065001_20200421T065220_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_20200421T085126_20200421T085220_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_20200421T103515_20200421T103630_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_20200421T115237_20200421T115437_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_20200421T162652_20200421T162833_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_20200421T175439_20200421T175719_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors:

80

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200421T015721_20200421T015840_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_20200421T025417_20200421T025648_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_20200421T034531_20200421T034638_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_20200421T035344_20200421T035407_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_20200421T042659_20200421T042814_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.

Control Alle (1997) Control	CS_OFFL_SIR_NOPN_2_20200421T060749_20200421T061026_C001	Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
20 OFFL 3R ACPH 2 ADDALFT 24D 25DCHT 1992 COT 1993 AND 19	CS_OFFL_SIR_NOPN_2_20200421T061219_20200421T061845_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
## Committee Casing P. 300, 2010 ## Com	CS_OFFL_SIR_NOPN_2_20200421T070302_20200421T070422_C001	OCOG Altimeter Range Quality PLRM,	, ,
Communication of the Communica	CS_OFFL_SIR_NOPN_2_20200421T070708_20200421T070822_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
COLD Selection Couldy Figure 2	CS_OFFL_SIR_NOPN_2_20200421T074301_20200421T074438_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_CPT_SR_NCPN_2_2000421100033_000421100034_0001 CS_CPT_SR_NCPN_2_2000421100034_0001321000421100034_0001 CS_CPT_SR_NCPN_2_2000421100034_0001321000421100034_0001321000421100034_0001321000421100034_0001321000421100034_0001321000421100034_0001321000421100034_0001321000421100034_0001321000421100034_0001321000421100034_0001321000421100034_0001321000421100034_0001321000421100034_0001321000421100034_0001321000421100034_0001321000421100034_00013210042100034_00013210042100034_0001321004210034_000132100421100034_0001321004210034_000132100421042104210421042104210421042104210	CS_OFFL_SIR_NOPN_2_20200421T082506_20200421T082644_C001		
CS OFFL SIR NOPN 2 20000471102016 20000471102016 C001 C0000 Altered Range Daily Flusty The COOOS Range and Backsterin Clusty High New born set for one or more records. Cooperation of the Cooperat	CS_OFFL_SIR_NOPN_2_20200421T084405_20200421T084454_C001		
COCC Subsection Coulty COCC Althretic Rough Clearly FLEM. COCC Betty Royal 2, 2000/21 T100106, 2000/21 T10003, 2001 COCC Althretic Royal, SSIA, SSIA Individual Coccus Althretic Royal, SSIA, SSIA Individual Coc	CS_OFFL_SIR_NOPN_2_20200421T090434_20200421T090943_C001		
COORDINATION COOR	CS_OFFL_SIR_NOPN_2_20200421T092519_20200421T092714_C001		
and Bushasouter Quality PLIAL COOK and interest Causity Plags and for one of the one of	CS_OFFL_SIR_NOPN_2_20200421T100216_20200421T100603_C001		
DOCOS Backscatter Quality The CS_OFFL_SIR_NOIN_2_202004211125419_20200421112549_C000 CS_OFFL_SIR_NOIN_2_202004211125419_20200421142549_C000 CS_OFFL_SIR_NOIN_2_20200421142549_2020042114255_C001 CS_OFFL_SIR_NOIN_2_20200421142511_2020042114255_C001 CS_OFFL_SIR_NOIN_2_20200421142511_2020042114255_C001 CS_OFFL_SIR_NOIN_2_20200421142511_2020042114255_C001 CS_OFFL_SIR_NOIN_2_20200421145511_2020042114255_C001 CS_OFFL_SIR_NOIN_2_20200421145511_2020042114255_C001 CS_OFFL_SIR_NOIN_2_20200421145511_20200421145515_C001 CS_OFFL_SIR_NOIN_2_2020042115514_202004211145511_202	CS_OFFL_SIR_NOPN_2_20200421T102130_20200421T102635_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Biaccaster Quality PLRN. OCOG. All maker Range and Backscatter Quality PLRN. OCOG. All maker Range and Backscatter Quality PLRN. OCOG. All maker Range and Backscatter Quality Plags and the OCOG. All maker Range SAHA, SWH and Backscatter Quality Plags and the OCOG. All maker Range SAHA, SWH and Backsca	CS_OFFL_SIR_NOPN_2_20200421T114217_20200421T114317_C001		
CS_OFFL_SIR_NOPN_2_20200421T142316_20200421T152315_C001 Alternate Range and Backscatter Quality PLRM. OCG Backscatter Quality	CS_OFFL_SIR_NOPN_2_20200421T125419_20200421T125549_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCGB Backscatter Quality PLRM, OCGG Althreater Range, SSHA, SWH and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200421T16214_20200421T16305_C001 CS_OFFL_SIR_NOPN_2_20200421T16316_20200421T16305_C001 CS_OFFL_SIR_NOPN_2_20200421T163316_20200421T16305_C001 CS_OFFL_SIR_NOPN_2_20200421T163316_20200421T16305_C001 CS_OFFL_SIR_NOPN_2_20200421T163316_20200421T16305_C001 CS_OFFL_SIR_NOPN_2_20200421T163316_20200421T16305_C001 CS_OFFL_SIR_NOPN_2_20200421T163316_20200421T16306_C001 CS_OFFL_SIR_NOPN_2_20200421T163316_20200421T16306_C001 CS_OFFL_SIR_NOPN_2_20200421T163316_20200421T16306_C001 CS_OFFL_SIR_NOPN_2_20200421T163316_20200421T16306_C001 CS_OFFL_SIR_NOPN_2_20200421T18233_20200421T175438_C001 CS_OFFL_SIR_NOPN_2_20200421T175433_2001 CS_OFFL_SIR_NOPN_2_20200421T19833_20200421T192010_C001 CS_OFFL_SIR_NOPN_2_20200421T19833_20200421T192010_C001 CS_OFFL_SIR_NOPN_2_20200421T192039_C001 CS_OFFL_SIR_NOPN_2_20200421T192734_20200421T192038_C001 CS_OFFL_SIR_NOPN_2_20200421T192734_20200421T192038_C001 CS_OFFL_SIR_NOPN_2_20200421T192734_20200421T192038_C001 CS_OFFL_SIR_NOPN_2_20200421T192734_20200421T192038_C001 CS_OFFL_SIR_NOPN_2_20200421T192734_20200421T192038_C001 CS_OFFL_SIR_NOPN_2_20200421T192734_20200421T192038_C001 CS_OFFL_SIR_NOPN_2_20200421T192734_20200421T192038_C001 CS_OFFL_SIR_NOPN_2_20200421T201351_20200421T201331_C001 CS_OFFL_SIR_NOPN_2_20200421T201351_C001 CS_OFFL_SIR_NOPN_2_20200421T201351_C0	CS_OFFL_SIR_NOPN_2_20200421T142403_20200421T142725_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Allmeter Range and Backscatter Quality Flags have been and the OCOG Allmeter Range and Backscatter Quality Flags have been and the OCOG Allmeter Range and Backscatter Quality Flags have been and the OCOG Allmeter Range and Backscatter Quality Flags have been and the OCOG Allmeter Range and Backscatter Quality Flags have been and the OCOG Allmeter Range and Backscatter Quality Flags have been and the OCOG Allmeter Range and Backscatter Quality Flags have been and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags have been and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags have been and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags have been and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags have been and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags and the OCOG Allmeter Range and Backscatter Quality Flags have been set for one or more records. CS OFFL SIR NOPN 2 20200421T20757 20200421T203	CS_OFFL_SIR_NOPN_2_20200421T145311_20200421T145330_C001		
and Backscatter Quality PLRM CS_OFFL_SIR_NOPN_2_20200421T161141_20200421T161365_C001 Allimeter Range and Backscatter Quality Says and the OCOG Allimeter Range and Backscatter Quality Flags and the OCOG Range and Backscatter Quality Flags and the	CS_OFFL_SIR_NOPN_2_20200421T152249_20200421T152615_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCGG Backscatter Quality CS_OFFL_SIR_NOPN_2_20200421T165316_2020421T165516_C001 CS_OFFL_SIR_NOPN_2_20200421T16531_20200421T175143_C001 CS_OFFL_SIR_NOPN_2_20200421T175013_20200421T175143_C001 CS_OFFL_SIR_NOPN_2_20200421T175013_20200421T175143_C001 CS_OFFL_SIR_NOPN_2_20200421T191833_20200421T175143_C001 CS_OFFL_SIR_NOPN_2_20200421T191833_20200421T192010_C001 CS_OFFL_SIR_NOPN_2_20200421T191833_20200421T192010_C001 CS_OFFL_SIR_NOPN_2_20200421T192734_20200421T192938_C001 CS_OFFL_SIR_NOPN_2_20200421T192734_20200421T192938_C001 CS_OFFL_SIR_NOPN_2_20200421T200757_20200421T200915_C001 CS_OFFL_SIR_NOPN_2_20200421T200757_20200421T200915_C001 CS_OFFL_SIR_NOPN_2_20200421T200757_20200421T200915_C001 CS_OFFL_SIR_NOPN_2_20200421T201311_C001 CS_OFFL_SIR_NOPN_2_20200421T202005_20200421T2003045_C001 CS_OFFL_SIR_NOPN_2_20200421T202005_20200421T2003045_C001 CS_OFFL_SIR_NOPN_2_20200421T200805_20200421T2003045_C001 CS_OFFL_SIR_NOPN_2_20200421T202005_20200421T2003045_C001 CS_OFFL_SIR_NOPN_2_20200421T202005_20200421T2003045_C001 CS_OFFL_SIR_NOPN_2_20200421T202005_20200421T203045_C001 CS_OFFL_SIR_NOPN_2_20200421T2005746_20200421T205933_C001 CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CS_OFFL_SIR_NOPN_2_20200421T205746_20	CS_OFFL_SIR_NOPN_2_20200421T161141_20200421T161305_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200421T165231_20200421T165516_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200421T200757_20200421T200915_C001 CS_OFFL_SIR_NOPN_2_20200421T201151_20200421T201331_C001 CS_OFFL_SIR_NOPN_2_20200421T202805_20200421T203045_C001 CCS_OFFL_SIR_NOPN_2_20200421T205746_20200421T203045_C001 CCS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CCS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CCS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CCS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CCS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CCS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CCS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CCS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C00	CS_OFFL_SIR_NOPN_2_20200421T163316_20200421T163640_C001		
CS_OFFL_SIR_NOPN_2_20200421T175013_20200421T175143_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOC Altimeter Range and Backscatter Quality PLRM, OCOC Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200421T192334_20200421T192938_C001 CS_OFFL_SIR_NOPN_2_20200421T192734_20200421T192938_C001 CS_OFFL_SIR_NOPN_2_20200421T200757_20200421T200915_C001 CS_OFFL_SIR_NOPN_2_20200421T200757_20200421T200915_C001 CS_OFFL_SIR_NOPN_2_20200421T201151_20200421T201331_C001 CS_OFFL_SIR_NOPN_2_20200421T202805_20200421T203045_C001 CS_OFFL_SIR_NOPN_2_20200421T202805_20200421T203045_C001 CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOC Altimeter Range	CS_OFFL_SIR_NOPN_2_20200421T165231_20200421T165516_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200421T191833_20200421T192010_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20200421T192734_20200421T192938_C001 CS_OFFL_SIR_NOPN_2_20200421T200757_20200421T200915_C001 CS_OFFL_SIR_NOPN_2_20200421T200757_20200421T200915_C001 CS_OFFL_SIR_NOPN_2_20200421T200757_20200421T200915_C001 CS_OFFL_SIR_NOPN_2_20200421T201151_20200421T201331_C001 CS_OFFL_SIR_NOPN_2_20200421T202805_20200421T203045_C001 CS_OFFL_SIR_NOPN_2_20200421T202805_20200421T203045_C001 CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T	CS_OFFL_SIR_NOPN_2_20200421T175013_20200421T175143_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Qu	CS_OFFL_SIR_NOPN_2_20200421T191833_20200421T192010_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200421T200757_20200421T200915_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPN_2_20200421T201151_20200421T201331_C001 CS_OFFL_SIR_NOPN_2_20200421T202805_20200421T203045_C001 CS_OFFL_SIR_NOPN_2_20200421T202805_20200421T203045_C001 CS_OFFL_SIR_NOPN_2_20200421T202805_20200421T203045_C001 CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200421T192734_20200421T192938_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200421T201331_C001 OCOG Backscatter Quality OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. Ocog Range and Backscatter Quality Flags have been set for one or more records. Ocog Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the Ocog Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200421T200757_20200421T200915_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20200421T203045_C001 OCOG Backscatter Quality OCOG Backscatter Quality more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20200421T201151_20200421T201331_C001		
CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPN_2_20200421T202805_20200421T203045_C001		
	CS_OFFL_SIR_NOPN_2_20200421T205746_20200421T205933_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPN_2_20200421T212630_20200421T213009_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_20200421T213457_20200421T213619_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_20200421T215721_20200421T215742_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_20200421T220807_20200421T221206_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_20200421T223651_20200421T224007_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_20200421T232405_20200421T233023_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_20200421T234032_20200421T234155_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_20200421T002827_20200421T003059_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_20200421T020618_20200421T020841_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_20200421T020946_20200421T021150_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_20200421T021530_20200421T021716_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200421T021822_20200421T022047_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_20200421T035544_20200421T035737_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_20200421T051212_20200421T051455_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_20200421T060407_20200421T060749_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_20200421T072521_20200421T072735_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_20200421T083550_20200421T083724_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_20200421T083748_20200421T083913_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_20200421T084454_20200421T084643_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_20200421T084850_20200421T084935_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_20200421T085126_20200421T085220_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_20200421T102644_20200421T102934_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_20200421T103515_20200421T103630_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_20200421T111635_20200421T111652_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_20200421T115237_20200421T115437_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_20200421T115644_20200421T120149_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_20200421T133038_20200421T133210_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_20200421T133347_20200421T134351_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_20200421T142111_20200421T142403_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_20200421T150109_20200421T150453_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_20200421T150723_20200421T150950_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_20200421T151429_20200421T152249_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_20200421T160034_20200421T160300_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_20200421T165516_20200421T170300_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_20200421T175143_20200421T175352_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_20200421T183417_20200421T184001_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_20200421T184357_20200421T184846_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_20200421T192524_20200421T192531_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_20200421T192939_20200421T193526_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_20200421T194905_20200421T195219_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_20200421T200915_20200421T201115_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_20200421T201331_20200421T202013_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_20200421T214432_20200421T214704_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_20200421T214728_20200421T214736_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_20200421T215201_20200421T215721_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_20200421T215743_20200421T215833_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_20200421T221237_20200421T221343_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_20200421T224913_20200421T225008_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_20200421T233753_20200421T233950_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

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:

51

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:

128