

QA4EO Daily Report for NOP data:

06/05/2020

Penert Production	07 May 2020	Check	L1 & L2
Report Production:	07-May-2020	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:		Server check: calval-pds.cryosat.esa.int	Nominal
Processor Usea:	CryoSat Ocean Processor	Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP)	Product Format Check	Nominal
Data Useu.	L1B & L2 Science Data	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

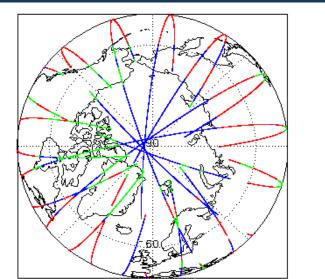
1. Overview

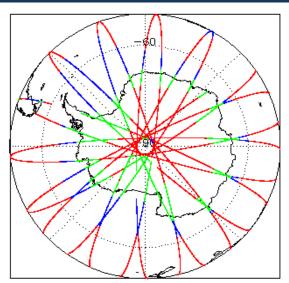
Mission / Instrument News 05-May-2020 None

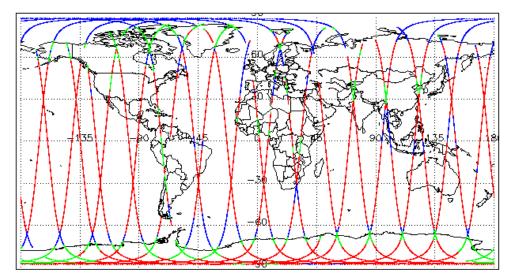
06-May-2020 None

07-May-2020 Nothing planned

2. Global Coverage







Mode Coverage

LRM
SAR
SARIn

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). Number of products with errors: 0

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.			
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B IOPR and IOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.			
sumper of products with errors:	0		
Number of products with errors:	0		
	uge Check		
4.3 L1B Auxilary Data File Usa	u age Check at Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.		
	et Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.		
4.3 L1B Auxilary Data File Usa			

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:

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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20200506T065035_20200506T070555_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200506T070756_20200506T071718_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200506T074348_20200506T075641_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20200506T193255_20200506T193312_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200506T055516_20200506T055948_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200506T073418_20200506T073528_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200506T095625_20200506T095814_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200506T135414_20200506T135606_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200506T190311_20200506T190540_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200506T203954_20200506T204422_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200506T231847_20200506T232005_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200506T104728_20200506T104824_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200506T135339_20200506T135413_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200506T172627_20200506T173341_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200506T173619_20200506T173719_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200506T204422_20200506T205136_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200506T214112_20200506T214239_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

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5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update.

> Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.

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

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

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200506T074246_20200506T074320_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more record
CS_OFFL_SIR_NOPM_2_20200506T110641_20200506T113356_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_20200506T013939_20200506T014053_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 20200506T014831 20200506T014947 C001	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynam
CS_OFFL_SIR_NOPN_2_20200506T031853_20200506T032015_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1)	Topography height (solution 1) for one or more records 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_NOPN_2_20200506T032524_20200506T032629_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more record
CS_OFFL_SIR_NOPN_2_20200506T045942_20200506T050225_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	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_NOPN_2_20200506T050427_20200506T050956_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	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_NOPN_2_20200506T055516_20200506T055948_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 he (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200506T063900_20200506T064136_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	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_NOPN_2_20200506T064838_20200506T065018_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_20200506T073418_20200506T073528_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more record
CS_OFFL_SIR_NOPN_2_20200506T073642_20200506T073827_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	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_NOPN_2_20200506T091336_20200506T091924_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200506T095625_20200506T095814_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynan Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200506T100628_20200506T100850_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_20200506T105342_20200506T105508_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynan Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200506T131559_20200506T131933_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_20200506T145517_20200506T145818_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynan Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200506T150349_20200506T150514_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_20200506T154559_20200506T154714_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynan Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200506T164252_20200506T164400_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_20200506T181954_20200506T182145_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynan Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200506T190311_20200506T190540_C001	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynan Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200506T195825_20200506T200214_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynam
CS OFFL SIR NOPN 2 20200506T203954 20200506T204422 C001	Topography (1) Mean Dynamic Topography (1), Total	Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography (solution 1) and the topography (solution 1) and the solution 1) and the solution of
CS_OFFL_SIR_NOPN_2_20200506T212856_20200506T213116_C001	Geocentric Ocean Tide (GOT) Mean Dynamic Topography (1)	Total Geocentric Ocean Tide (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_20200506T221857_20200506T222244_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	more records There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more record
CS_OFFL_SIR_NOPN_2_20200506T235408_20200506T235510_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_20200506T010730_20200506T010928_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_20200506T072741_20200506T073031_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_20200506T074111_20200506T074246_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more record
CS_OFFL_SIR_NOPR_2_20200506T104858_20200506T105341_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	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_20200506T122538_20200506T123541_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynan Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200506T140649_20200506T141439_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynan Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200506T154715_20200506T155444_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynan Topography height (solution 1) for one or more records
CS OFFL SIR NOPR 2 20200506T172627 20200506T173341 C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynar 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), the Mean Dynamic

 Topography (1), Total Geocentric Ocean
 Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) 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_20200506T000055_20200506T000557_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_20200506T000604_20200506T000932_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_20200506T001310_20200506T004709_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_20200506T011301_20200506T011947_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_20200506T013242_20200506T013805_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_20200506T014053_20200506T014629_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_20200506T015245_20200506T022626_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_20200506T023927_20200506T024030_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_20200506T025858_20200506T031707_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_20200506T032015_20200506T032524_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_20200506T033136_20200506T040543_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_20200506T041920_20200506T041942_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_20200506T042958_20200506T043420_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_20200506T043515_20200506T045253_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_20200506T050225_20200506T050427_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_20200506T051141_20200506T052744_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_20200506T052841_20200506T053043_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_20200506T053325_20200506T054133_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_20200506T060028_20200506T061826_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_20200506T061941_20200506T063330_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.

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Cit, UPT_UPT_UPT_UPT_UPT_UPT_UPT_UPT_UPT_UPT_	CS_OFFL_SIR_NOPM_2_20200506T064447_20200506T064838_C001		
G. OFFL, BR. NEPN 2. 2020/08/11/0706.2020/09/07/11/0.001 ave Blackaster Coulty Regs National Reg	CS_OFFL_SIR_NOPM_2_20200506T065035_20200506T070555_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Displace	CS_OFFL_SIR_NOPM_2_20200506T070756_20200506T071718_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C0: DTL_SIR_NOPM_2 202030011914110_C001 ine de booksetter Quarty Frage ine de booksetter Quarty Frage C0: DFL_SIR_NOPM_2 20203001191411_C001 Quer Alterier Frage, SIR_NOPM The Const Alterier Frage, SIR_NOPM C0: DFL_SIR_NOPM_2 202030001191411_C001 Quer Alterier Frage, SIR_NOPM The Const Alterier Frage, SIR_NOPM C0: DFL_SIR_NOPM_2 20203000119141_C001 Quer Alterier Frage, SIR_NOPM The Const Alterier Frage, SIR_NOPM C0: DFL_SIR_NOPM_2 20203000119141_C001 Quer Alterier Frage, SIR_NOPM The Const Alterier Frage, SIR_NOPM C0: DFL_SIR_NOPM_2 2020300011942_FRAGE Quer Alterier Frage, SIR_NOPM The Const Alterier Frage, SIR_NOPM C0: DFL_SIR_NOPM_2 2020300011942_FRAGE Quer Alterier Frage, SIR_NOPM The Const Alterier Frage, SIR_NOPM C0: DFL_SIR_NOPM_2 2020300011942_FRAGE Quer Alterier Frage, SIR_NOPM The Const Alterier Frage, SIR_NOPM C0: DFL_SIR_NOPM_2 2020300011942_FRAGE Quer Alterier Frage, SIR_NOPM The Const Alterier Frage, SIR_NOPM C0: DFL_SIR_NOPM_2 20203000119451_SIR_2001 Quer Alterier Frage, SIR_NOPM The Const Alterier Frage, SIR_NOPM C0: DFL_SIR_NOPM_2 20203000119451_C001 Quer Alterier Frage, SIR_NOPM The Const Alterier Frage, SIR_NOPM C0: DFL_SIR_NOPM_2 20203000119451_SIR_2001 Quer Alterier Frage, SIR_NOPM The Const Alterier Frage, SIR_NOPM	CS_OFFL_SIR_NOPM_2_20200506T073528_20200506T073642_C001		
CS, OPTL, SR, NOPML2, 20000561170446, 200005611011542, 200005611011522, 200005611011522, 200005611011522, 200005611011522, 200005611011522, 200005611011522, 200005611011522, 200005611011522, 200005611011522, 200005611011522, 20000561101152, 200005611011152, 200005611011152, 20000561101152, 200005	CS_OFFL_SIR_NOPM_2_20200506T074004_20200506T074110_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C5. OFTL. SR. NOPM. 2. 2020398171615142. 2020039171615142. ODD Mith Subscatter Quality, COCO Mitheney Regins and Baskacatter Quality Coco Mitheney Regins and Baskacatter Quality Flags have been set and from an innova. C5. OFTL. SR. NOPM. 2. 202039517161512. 202003917161512. ODD Cach. Memory Regins and Baskacatter Quality Flags have been set and from an innova. The Quark Memory Regins and Baskacatter Quality Flags have been set and from an innova. C5. OFTL. SR. NOPM. 2. 202039517162126. 202003917161512. ODD Cocin Ameter Regins, SBM, With and Baskacatter Regins, SBM, SWH and Baskacatter Quality Flags have been set and Baskacatter Quality Flags have been and Baskacatter Quality Flags have been and Baskacatter Quality Flags have been set for or or more novel. C5. OFFL SR, NOPM 2. 2020305617100002 20200311100002 20200311100002 202003011100002 20200311100000 20200311100000 202003011100000 20	CS_OFFL_SIR_NOPM_2_20200506T074348_20200506T075641_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CSL, DPL, DPL, MURAL 2, 000000011031044, 00010011031041, 00011 Backstaller Quality Eur ore in more records. CSL, OPL, SIR, NOPM, 2, 200000011030011, 20000001103001, 20000001103001, 20000001103001, 20000001103001, 20000001103001, 20000001103001, 20000001103001, 20000001103001, 20000001103000, 20000001103000, 20000001103000, 20000001103001, 20000001103001, 20000001103000, 200000011103000, 2000000011103000, 200000011103000, 200000011103000, 200000011103000, 2000000011103000, 2000000011103000, 2000000011103000, 2000000011103000, 2000000011103000, 20	CS_OFFL_SIR_NOPM_2_20200506T081232_20200506T081548_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C2. OFFL_SRLNOPM_2_0000060T1982016_2000050FT198206_2000050FT19	CS_OFFL_SIR_NOPM_2_20200506T081944_20200506T082739_C001		
CS_OFFL_SIR_NOPM_2_20200506T102205_20200506T1033132_001 and Beakscatter Quality Code Altimeter Range and Beakscatter Quality Code The OCOG Altimeter Range and Beakscatter Quality Flags have been ad an extension of the	CS_OFFL_SIR_NOPM_2_20200506T083016_20200506T084501_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CE OFL_SIR_NOPM_2_202005061108202_20200506110001 and Badsacter Quality, OCOG Intel the COCG Altimeter Range and Backscatter Quality Flags have been set boxic dater Quality, OCOG CS_OFFL_SIR_NOPM_2_202005061100004_202005061100005_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set boxic dater Quality CS_OFFL_SIR_NOPM_2_202005061100004_202005061100002_C001 OCCG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set boxic dater Quality CS_OFFL_SIR_NOPM_2_202005061100002_02005061100002_C0001 Occan Altimeter Range, SNA, SVH and Backscatter Quality The OCOG Altimeter Range, SNA, SVH and Backscatter Quality, OCOG Altimeter Range, SNA, SVH and Backscatter Quality Flags have been set been Altimeter Range, SNA, SVH and Backscatter Quality Flags and Backscatter Quality CS_OFFL_SIR_NOPM_2_202005061110001_202005061113356_C001 Ocean Altimeter Range, SSHA, SVH and Backscatter Quality The Ocean Altimeter Range, SSHA, SVH and Backscatter Quality The Ocean Altimeter Range, SSHA, SVH and Backscatter Quality CS_OFFL_SIR_NOPM_2_202005061111661_2020005061111661_0001 Ocean Altimeter Range, SSHA, SVH and Backscatter Quality The Ocean Altimeter Range, SSHA, SVH and Backscatter Quality CS_OFFL_SIR_NOPM_2_202005061111661_2020050611116616_0001 OCCGA Altimeter Range, SSHA, SVH and Backscatter Quality The Ocean Altimeter Range, SSHA, SVH and Backscatter Quality The Ocean Altimeter Range, SSHA, SVH and Backscatter Quality <td>CS_OFFL_SIR_NOPM_2_20200506T092205_20200506T093132_C001</td> <td>and Backscatter Quality, OCOG</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_NOPM_2_20200506T092205_20200506T093132_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_UFFL_SIR_NOPM_2_20200506T100047_20200506T100628_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20200506T100047_20200506T100628_C001 QCOG Altimeter Range Quality, QCOG Radescatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been affinishes conter or more records. CS_OFFL_SIR_NOPM_2_20200506T10000_20200506T103422_C001 QCoan Altimeter Range and Backscatter Quality The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been affiniter Range and Backscatter Quality Flags have been affiniter Range Quality, QCOG CS_OFFL_SIR_NOPM_2_20200050F114624_2020050F114655_C001 QCOG Altimeter Range Quality, QCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set tor one or more records. CS_OFFL_SIR_NOPM_2_20200506F114624_20200506F114625_C001 QCOG Altimeter Range Quality, QCOG Altimeter Range and Backscatter Quality Flags have been set tor one or more records. CS_OFFL_SIR_NOPM_2_20200506F114624_20200506F112628_C001 QCOG Altimeter Range, SHA, SWH and Backscatter Quality, Flags and the COCGO Altimeter Range and Backscatter Quality Flags and the COCGO A	CS_OFFL_SIR_NOPM_2_20200506T093202_20200506T095511_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CBL_DFPL_SIR_NOPM_2_20200506T10042_2020050F110442_C001 Backstatter Quality For one or more records. CB_OFFL_SIR_NOPM_2_2020050F110000_2020050F110342_C001 Ocean Altimeter Range, SSHA, SWH and backscatter Quality Flags have been and backscat	CS_OFFL_SIR_NOPM_2_20200506T095814_20200506T100025_C001		
CS_OFFL_SIR_NOPM_2_20200506T11000_20200506T103222_C001 and Backscatter Quality COCG Allimeter Range and Backscatter Quality Flags have been after Core or more records. CS_OFFL_SIR_NOPM_2_20200506T110641_20200506T113356_C001 Cocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Allimeter Range and Backscatter Quality, COCG Allimeter Range and Backscatter Quality, COCG Allimeter Range and Backscatter Quality, COCG additionater Range Quality, COCG Backscatter Quality, COCG Allimeter Range Quality, COCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T114614_20200506T114616_C001 COCG Altimeter Range Quality, COCG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T114614_20200506T114616_C001 COCG Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Allimeter Range and Backscatter Quality, Flags and Backscatter Quality, COCG Allimeter Range and Backscatter Quality, Flags have been at for one or more records. CS_OFFL_SIR_NOPM_2_20200506T113250_C001	CS_OFFL_SIR_NOPM_2_20200506T100047_20200506T100628_C001		5 , S
CS_OFFL_SIR_NOPM_2_20200506T110641_20200506T113356_C001 and Backscatter Quality. OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T114024_20200506T114616_C001 CCOG Allimeter Range Quality. OCOG Backscatter Quality The OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T114614_20200506T114616_C001 CCOG Allimeter Range Quality. OCOG Backscatter Quality The OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T114614_20200506T112628_C001 Ocean Allimeter Range a.SNA, SWH and Backscatter Quality. OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T122504_20200506T122538_C001 Ocean Allimeter Range a.SNA, SWH and Backscatter Quality. COCOG Allimeter Range and Backscatter Quality. Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T122504_20200506T132538_C001 Ocean Allimeter Range a.SNA, SWH and Backscatter Quality. COCOG Allimeter Range and Backscatter Quality. Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T132538_C001 OCCGA Allimeter Range SNA, SWH and Backscatter Quality. COCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200506T101000_20200506T103422_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_a0200506T114014_20200506T114016_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_a0200506T114614_20200506T114616_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCog Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_a0200506T114824_20200506T1121528_C001 Cosan Altimeter Range, SHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T1122504_20200506T1122538_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality. COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T1124010_20200506T113248_C001 OCGG Altimeter Range Quality. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T1132508_C001 OCGG Altimeter Range Quality. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T113253_C001 OCGG Altimeter Range SHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range. SHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T1145257_C0200506T1145252_C001 OC	CS_OFFL_SIR_NOPM_2_20200506T110641_20200506T113356_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200506T114814_20200506T114824_20200506T12628_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20200506T114824_20200506T12628_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COGG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200506T122504_20200506T122538_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COGG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COGG Altimeter Range and Backscatter Quality, COGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T1312538_C001 OCGA Altimeter Range, SSHA, SWH and Backscatter Quality, COGG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, COGG Altimeter Range, SSHA, SWH and Backscatter Quality, COGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T141857_20200506T145222_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T145857_20200506T1452531_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COGG Altimeter Range	CS_OFFL_SIR_NOPM_2_20200506T114024_20200506T114455_C001		
CS_OFFL_SIR_NOPM_2_20200506T114824_20200506T121628_C001 and Backscatter Quality, OCG Attimeter Range and Backscatter Quality of one or more records. and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T122504_20200506T122538_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T124010_20200506T131248_C001 Ocean Attimeter Range Quality, OCCG Attimeter Range and Backscatter Quality Flags have been at the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T131933_20200506T132508_C001 OCCG Attimeter Range Quality, OCCG Attimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T132726_20200506T133253_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Attimeter Range, and Backscatter Quality Flags and the OCCG Attimeter Range, and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_NOPM_2_20200506T1418537_20200506T1452531_C001 Ocean	CS_OFFL_SIR_NOPM_2_20200506T114614_20200506T114616_C001	0	5 , S
CS_OFFL_SIR_NOPM_2_20200506T122504_20200506T122538_C001 and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality and the OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T124010_20200506T131248_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T131233_20200506T132508_C001 OCCG Altimeter Range Quality, OCCG Backscatter Quality The OCean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T132726_20200506T13253_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality The OCean Altimeter Range, and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200506T142672_20200506T143253_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T141857_20200506T145222_C001 Ocean Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T145837_20200506T150349_C001 OCCGA Altimeter Range Quality, OCCG Backscatter Quality The OCCGA Altimeter Range and Bac	CS_OFFL_SIR_NOPM_2_20200506T114824_20200506T121628_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200506T124010_20200506T131248_C001 and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200506T131933_20200506T132508_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_20200506T132726_20200506T133253_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T141857_20200506T145222_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T141857_20200506T145222_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T145837_20200506T150349_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T150652_20200506T152531_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T154340_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COOG Altimeter Range and	CS_OFFL_SIR_NOPM_2_20200506T122504_20200506T122538_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200306T132306_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20200506T132726_20200506T133253_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200506T141857_20200506T145222_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20200506T145837_20200506T145222_C001 Ocean 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_20200506T145837_20200506T150349_C001 OCCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T150652_20200506T152531_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T154326_20200506T154340_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T154340_C001 Ocean Altimeter Range, SSHA, SWH and Backsc	CS_OFFL_SIR_NOPM_2_20200506T124010_20200506T131248_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200506T132726_20200506T133253_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_NOPM_2_20200506T141857_20200506T145222_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been 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_NOPM_2_20200506T145837_20200506T145837_20200506T150349_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_NOPM_2_20200506T150652_20200506T152531_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, 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 and the 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_NOPM_2_20200506T154326_20200506T154340_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGThe Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200506T131933_20200506T132508_C001		
CS_OFFL_SIR_NOPM_2_20200506T141857_20200506T145222_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T145837_20200506T145837_20200506T150349_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_20200506T150652_20200506T152531_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T154326_20200506T154340_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200506T132726_20200506T133253_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200506T150652_20200506T152531_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20200506T150652_20200506T152531_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Flags have been and Backscatter Quality, OCOG CS_OFFL_SIR_NOPM_2_20200506T154326_20200506T154340_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags 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	CS_OFFL_SIR_NOPM_2_20200506T141857_20200506T145222_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200506T150652_20200506T152531_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPM_2_20200506T154326_20200506T154340_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_NOPM_2_20200506T145837_20200506T150349_C001		
CS_OFFL_SIR_NOPM_2_20200506T154326_20200506T154340_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20200506T150652_20200506T152531_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20200506T154326_20200506T154340_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPM_2_20200506T155715_20200506T161840_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_20200506T161949_20200506T163046_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_20200506T163536_20200506T163836_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_20200506T164708_20200506T171351_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_20200506T171406_20200506T172109_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_20200506T172250_20200506T172515_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_20200506T173719_20200506T174811_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_20200506T175252_20200506T175447_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_20200506T175450_20200506T181019_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_20200506T181216_20200506T181734_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_20200506T181753_20200506T181954_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_20200506T182826_20200506T184110_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_20200506T184324_20200506T185638_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_20200506T185753_20200506T190012_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_20200506T191301_20200506T191333_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_20200506T192244_20200506T193216_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_20200506T193451_20200506T194905_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_20200506T195141_20200506T195645_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_20200506T195652_20200506T195703_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_20200506T202237_20200506T202700_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_20200506T202823_20200506T203528_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_20200506T210746_20200506T210923_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_20200506T211131_20200506T212753_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_20200506T213143_20200506T213601_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_20200506T213623_20200506T213805_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_20200506T214239_20200506T220548_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_20200506T224239_20200506T230742_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_20200506T230953_20200506T231515_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_20200506T231522_20200506T231846_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_20200506T232217_20200506T234919_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_20200506T235034_20200506T235407_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_20200506T000932_20200506T001107_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Attimeter Range, SSHA, SWH 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_20200506T023811_20200506T023835_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Attimeter Range, SSHA, SWH 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_20200506T055516_20200506T055948_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Attimeter Range, SSHA, SWH 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_20200506T023802_20200506T023811_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_20200506T141619_20200506T141722_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_20200506T145222_20200506T145517_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_20200506T155508_20200506T155715_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Attimeter Range, SSHA, SWH 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_20200506T181020_20200506T181035_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200506T234920_20200506T235034_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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200506T004710_20200506T004849_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_20200506T005811_20200506T005837_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_20200506T011947_20200506T012321_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_20200506T014831_20200506T014947_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_20200506T022803_20200506T022822_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_20200506T023811_20200506T023835_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_20200506T024030_20200506T024140_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_20200506T025743_20200506T025858_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_20200506T032524_20200506T032629_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_20200506T043420_20200506T043515_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_20200506T045942_20200506T050225_C001	Ocean Attimeter 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_20200506T050427_20200506T050956_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_20200506T054916_20200506T054947_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_20200506T055516_20200506T055948_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_20200506T064838_20200506T065018_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_20200506T071719_20200506T072014_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_20200506T073418_20200506T073528_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_20200506T073642_20200506T073827_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_20200506T081624_20200506T081944_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_20200506T082740_20200506T082928_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_20200506T085432_20200506T085825_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_20200506T091336_20200506T091924_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_20200506T092136_20200506T092205_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_20200506T095625_20200506T095814_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_20200506T100025_20200506T100047_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_20200506T100628_20200506T100850_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_20200506T103423_20200506T103537_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_20200506T103609_20200506T103815_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_20200506T104711_20200506T104728_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_20200506T105342_20200506T105508_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_20200506T105841_20200506T110003_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_20200506T110250_20200506T110551_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_20200506T113556_20200506T113736_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_20200506T123542_20200506T123644_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_20200506T134237_20200506T134350_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

Approxyline Approxyline <thapproxyline< th=""> <thapproxyline< th=""></thapproxyline<></thapproxyline<>	CS_OFFL_SIR_NOPN_2_20200506T154559_20200506T154714_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.
CB_COPPL_DER_LOOPL_2_0000X001101046_0001 end Education Coulty Flags end Education Coulty Flags CB_COPPL_DER_LOOPL_2_0000X00110104_0001 CODO Collegan Addition Flags end Education Coulty Flags CB_COPPL_DER_LOOPL_2_0000X00110104_0001 CODO Collegan Addition Flags end CoDO Education Coulty Flags CB_COPPL_DER_LOOPL_2_0000X001101040_0001 CODO Collegan Addition Flags end CoDO Education Coulty Flags CB_COPPL_DER_LOOPL_2_0000X001101040_0001 CODO Collegan Addition Flags end CoDO Education Coulty Flags CB_COPPL_DER_LOOPL_2_0000X001101040_0001 CODO Collegan Addition Flags end CoDO Education Coulty Flags CB_COPPL_DER_LOOPL_2_0000X001101040_0001 CODO Collegan Addition Flags end CoDO Education Coulty Flags CB_COPPL_DER_LOOPL_2_0000X001101000_0000001101010_0001 CODO Flags end CoDO Education Coulty Flags CB_COPPL_DER_LOOPL_2_0000X001101000_0000001101010_0001 CODO Flags end CoDO Education Coulty Flags CB_COPPL_DER_LOOPL_2_0000X001101000_0000000000000000000000	CS_OFFL_SIR_NOPN_2_20200506T163229_20200506T163536_C001	OCOG Altimeter Range Quality PLRM,	
OC. DT. LOR. MONT. 2. ALL ADDRESS (UN FILL) DOCID Rescuence (Largery) The OCID Response of Section (UN Figure have been set for over a memory). OL, OTT., DR., NOTH. 2. ADDRESST 20042, 2005017210202, 20011 DOCID Admendance (Larger) (Lar	CS_OFFL_SIR_NOPN_2_20200506T181954_20200506T182145_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CC OFFL SRI, NOPR, 2. 20000001120002, 20000001120142, 2000 COOD Restanctur Guily Image in constant CS, GPH, SRI, NOPR, 2. 20000001120002, 20000001210002, 20000001210002, 20000001210000, 2000000100000, 20000000000	CS_OFFL_SIR_NOPN_2_20200506T201147_20200506T201510_C001		
CPU DPL SIN NOPH 2 AD30000 (2000)	CS_OFFL_SIR_NOPN_2_20200506T201658_20200506T202237_C001		
CCO CPL SR, NOPR 2, 200300171000, 2003001710104 (2007) CR, OFFL SR, NOPR 2, 2003001701002, 2003001701004 (2007) CR, OFFL SR, NOPR 2, 20030017010102, 2003001701004 (2007) CR, OFFL SR, NOPR 2, 20030017010102, 2003001701004 (2007) CR, OFFL SR, NOPR 2, 20030017010104 (2007) CR, OFFL SR, NOPR 2, 20030017010104 (2007) CR, OFFL SR, NOPR 2, 20030017010104 (2007) CR, OFFL SR, NOPR 2, 200300017010104 (2007) CR, OFFL SR, NOPR 2, 2003000170010107 (2008) CR, OFFL SR, NOPR 2, 2003000170010107 (2008) CR, OFFL SR, NOPR 2, 2003000170010107 (2008) CR, OFFL SR, NOPR 2, 200300017001002 (2001) CR, OFFL SR, NOPR 2, 200300017001002 (2000) CR, OFFL SR, NOPR 2, 200300017001002 (2000) CR, OFFL SR, NOPR 2, 200300017001002 (2000) CR, OFFL SR, NOPR 2, 200300017001002 (2001) CR, OFFL SR, NOPR 2, 200300017001002 (2000) CR, OFFL SR, NOPR 2, 20030001701002 (2000) CR, OFFL SR, NOPR 2, 200300017002007 (2007) CR, OFFL SR, NOPR 2,	CS_OFFL_SIR_NOPN_2_20200506T203954_20200506T204422_C001		
CS_OFT_SR_NOPK_2.30200001713136_0001 and baseder Casing FLAN COOL micro and baseder Casing FLAN COOL CS_OFT_SR_NOPK_2.302000017121306_20200001721412_CODI Coan Ammer Range SBAA, With and Baseder Casing FLAN COOL micro and baseder Casing FLAN COOL CS_OFT_SR_NOPK_2.30200001721412_CODI Coan Ammer Range SBAA, With and Baseder Casing FLAN COOL micro and baseder Casing FLAN COOL CS_OFT_SR_NOPK_2.30200001721412_CODI Coan Ammer Range SBAA, With and Baseder Casing FLAN COOL micro and baseder Casing FLAN COOL CS_OFT_SR_NOPK_2.30200001721412_CODI Coan Ammer Range SBAA, With and Baseder Casing FLAN COOL micro and baseder Casing FLAN COOL CS_OFT_SR_NOPK_2.30200001721412_CODI COAN Ammer Range SBAA, With and Baseder Casing FLAN COOL micro and baseder Casing FLAN COOL CS_OFT_SR_NOPK_2.302000017201202 CODI Ammer Range SBAA, With and Baseder Casing FLAN COOL micro and baseder Casing FLAN COOL CS_OFT_SR_NOPK_2.30200001701107_J02010011001107_C00100110011001107_C00010101001010	CS_OFFL_SIR_NOPN_2_20200506T210050_20200506T210351_C001		
CS_OFTL_SIR_NOPR_2_2000006T1221857_28200006T1222244_C001 PG Gamma Gamma Calling Figure All Subscripts Calling Figure All Figure All Subscripts Calling Figure All Figure All Figure All Subscripts Calling Figure All Su	CS_OFFL_SIR_NOPN_2_20200506T212856_20200506T213116_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFIL_SIR_NOPR_2_2020050FT221857_2020000FT0222244_001 and Backsatter Quality FLM, COCO Allender Regis and Backsatter Quality F	CS_OFFL_SIR_NOPN_2_20200506T213806_20200506T214112_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200506T00130_20000012242.9_2001 OCC0 Backscatter Capity more records. CS_OFFL_SIR_NOPR_2_20200506T001107_20200506T00130_2001 Descen Attimeter Range, SSHA, SVH and Backscatter Capity FLBg. The Ocean Attimeter Range, SSHA, SVH and Backscatter Capity FLBg. CS_OFFL_SIR_NOPR_2_20200506T001502_20000 DCCO Backscatter Capity FLB, OCCO Backscatter Capity FLB, OCCO Backscatter Capity FLB, CS_OFFL_SIR_NOPR_2_20200506T010328_0001 DCCO Backscatter Capity FLB, OCCO Attimeter Range, SSHA, SVH and Backscatter Capity FLB, CS, OFFL_SIR_NOPR_2_20200506T023297, 2001 DCSEA Attimeter Range, SSHA, SVH and Backscatter Capity FLB, OCCO Attimeter Range, SSHA, SVH and Backscatter Capity FLB, OCCO Attimeter Range and Backscatter Capity FLB, Nor OCCO Attimeter Range SSHA, SVH and Backscatter Capity FLB, Nor Atti	CS_OFFL_SIR_NOPN_2_20200506T221857_20200506T222244_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SIR_NOPR_2_20200506T01107_2020050T01310_C001 Individual Account PLAN COOD All moder Range and Backcaster Quality Flags have been set for one or more records. CB_OFFL_SIR_NOPR_2_20200506T004440_2020050T01422_C001 COCO Altimeter Range Cuality PLRN. COCO Backscatter Quality Flags have been set for one or more records. The OCOO Range and Backscatter Quality Flags have been set for one or more records. CB_OFFL_SIR_NOPR_2_20200506T014447_20200506T01422_C001 Cocon Altimeter Range Quality PLRN. QCOCO Backscatter Quality The OCOOR Range and Backscatter Quality Flags have been set for one or more records. CB_OFFL_SIR_NOPR_2_20200506T014447_20200506T01528_C001 Cocon Altimeter Range Quality PLRN. QCOCO Backscatter Quality The OCOOR Altimeter Range and Backscatter Quality Flags have been set for one or more records. CB_OFFL_SIR_NOPR_2_20200506T014447_20200506T015245_C001 Cocon Altimeter Range, SMA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOR Altimeter Range and Backscatter Quality Flags have been set for one or more records. CB_OFFL_SIR_NOPR_2_20200506T0122702_20200506T0122800_C001 Cocon Altimeter Range, SMA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocona Altimeter Range and Backscatter Quality Flags and the OCOCO Altimeter Range and Backscatter Quality Flags and the	CS_OFFL_SIR_NOPN_2_20200506T223836_20200506T224239_C001		
CS_OFFL_SIR_NOPR_2_20200508T004892_00000104892_0001 OCC08 Backscater Quality more records. CS_OFFL_SIR_NOPR_2_20200508T005687_20200508T010326_0001 OCC08 Backscater Quality FLM more records. CS_OFFL_SIR_NOPR_2_20200508T010282_0001 OCC08 Backscater Quality FLM more records. CS_OFFL_SIR_NOPR_2_20200508T01028_0200508T011024_0001 OCC08 Alimeter Range SHA. SWH and Backscatter Quality FLM more records. CS_OFFL_SIR_NOPR_2_20200508T011024_2000508T011024_0001 OCC08 Alimeter Range SHA. SWH and Backscatter Quality FLM, OCC0 more records. CS_OFFL_SIR_NOPR_2_20200508T011024_2000508T0110245_C001 Alimeter Range SHA. SWH and Backscatter Quality FLM, OCC0 more records. CS_OFFL_SIR_NOPR_2_20200508T022702_20200508T022803_C001 Alimeter Range SHA. SWH and Backscatter Quality FLM, OCC0 Alimeter Range and Backscatter Quality FLM, OCC0 Mineter Range and Backscatter Quality FLM, OCC0 Alimeter Range and Backscatter Quality FLM, OCC0 Mineter Range and Backscatter Quality FLM, OCC0 Alimeter Range and Backscatter Quality FLM, OCC0 Mineter Range and Backscatter Quality FLM, OCC0 Alimeter Range and Backscatter Quality FLM, OCC0 Mineter Range and Backscatter Quality FLM, OCC0 Alimeter Range and Backscatter Quality FLM, OCC0 Mineter Range and Backscatter Quality FLM, OCC0 Alimeter Range and Backsca	CS_OFFL_SIR_NOPR_2_20200506T001107_20200506T001310_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200506T005837_20200506T010326_C001 and Backscatter Quality PLRM, COCO Attemeter Range and Backscatter Quality PLRM, COCO Backscatter Quality PLRM, CS_OFFL_SIR_NOPR_2_20200506T014947_20200506T015245_C001 Decam Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, CS_OFFL_SIR_NOPR_2_20200506T022702_20200506T015245_C001 Decam Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, CS_OFFL_SIR_NOPR_2_20200506T022803_C001 Decam Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, CS_OFFL_SIR_NOPR_2_20200506T022803_C001 Decam Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, CS_OFFL_SIR_NOPR_2_20200506T022803_C001 Decam Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, CS_OFFL_SIR_NOPR_2_20200506T022805_C020506T023927_C001 Decam Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, COCO Backscatter Quality PLRM The OCCOR Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_NOPR_2_20200506T023836_20200506T033186_C001 OCCOR Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, COCOG Backscatter Quality Flags have been set for one or more records. </td <td>CS_OFFL_SIR_NOPR_2_20200506T004849_20200506T004929_C001</td> <td></td> <td></td>	CS_OFFL_SIR_NOPR_2_20200506T004849_20200506T004929_C001		
CS_OFFL_SIR_NOPR_2_20200506T014947_20200506T015245_C001 OCCG Backscatter Quality more records. CS_OFFL_SIR_NOPR_2_20200506T014947_20200506T015245_C001 Ocean Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. The Ocean Allimeter Range and Backscatter Quality FLIM CS_OFFL_SIR_NOPR_2_20200506T022702_20200506T022803_C001 Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. The Ocean Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_NOPR_2_20200506T023836_20200506T023827_C001 Marketscatter Quality Flags, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. The Ocean Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_NOPR_2_20200506T023836_20200506T024506_C001 OCCG Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. The Ocean Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_NOPR_2_20200506T032834_20200506T033136_C001 OCCG Allimeter Range, SSHA, SWH and Backscatter Quality Flags The OCean Allimeter Range and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_NOPR_2_20200506T045254_20200506T045542_C001 OCCG Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. The OCean Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. <td>CS_OFFL_SIR_NOPR_2_20200506T005837_20200506T010326_C001</td> <td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_NOPR_2_20200506T005837_20200506T010326_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200506T014947_20200506T015245_C001 and Backsatter Quality PLEM_OCOG Ine Ocean Allimeter Range, SSHA, SWH and Backscatter Quality Flags and backscatter Quality Flags. CS_OFFL_SIR_NOPR_2_20200506T022702_20200506T022803_C001 Allimeter Range, SSHA, SWH and Backscatter Quality Flags. The Ocean Allimeter Range, SSHA, SWH and Backscatter Quality Flags. CS_OFFL_SIR_NOPR_2_20200506T022803_C001 Allimeter Range, SSHA, SWH and Backscatter Quality Flags. The Ocean Allimeter Range, SSHA, SWH and Backscatter Quality Flags. CS_OFFL_SIR_NOPR_2_20200506T023836_20200506T023927_C001 Allimeter Range, SSHA, SWH and Backscatter Quality Flags. The Ocean Allimeter Range, SSHA, SWH and Backscatter Quality Flags. CS_OFFL_SIR_NOPR_2_20200506T024146_20200506T024506_C001 OCOG Allimeter Range Quality PLEM. OCOG The OCean Allimeter Range, SSHA, SWH and Backscatter Quality Flags. CS_OFFL_SIR_NOPR_2_20200506T032834_20200506T033136_C001 OCOG Allimeter Range Quality PLEM. OCOG The OCean Allimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20200506T045254_20200506T045925_C001 OCOG Allimeter Range Quality PLEM. OCOG The OCEAN Allimeter Range and Backscatter Quality Flags and Backscatter Quality Flags. CS_OFFL_SIR_NOPR_2_20200506T045954_2001 OCCGA Allimeter Range SSHA, SWH The OCEAN Allimeter Range. SSHA, SWH and Backscatter Quality Flags. CS_OFFL_SIR_NOPR_2_20200506T045954_2001 OCEGA Allimeter Range ASHA, SWH and Backscatter Quality Flags. CS_OFFL_SIR_NO	CS_OFFL_SIR_NOPR_2_20200506T011026_20200506T011034_C001		
CS_OFFL_SIR_NOPR_2_20200506T022702_20200506T022803_C001 and Backscatter Quality Files, NA, OCCO, Allmeter Range and Backscatter Quality Files, NA, SWH and Backscatter Quali	CS_OFFL_SIR_NOPR_2_20200506T014947_20200506T015245_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200506T023836_20200506T023927_C001 and Backscatter Quality PLRM, COCG Interformance and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T024146_20200506T024506_C001 OCCG Altimeter Range and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T024146_20200506T024506_C001 OCCG Altimeter Range and Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T032834_20200506T033136_C001 Ocean Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T040759_20200506T040825_C001 OCCG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T045254_20200506T045942_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T065956_20200506T045942_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T065956_20200506T051141_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T063331_20200506T063900_C001 Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SI	CS_OFFL_SIR_NOPR_2_20200506T022702_20200506T022803_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200506T032834_20200506T033136_C001 OCGG Backscatter Quality more records. CS_OFFL_SIR_NOPR_2_20200506T032834_20200506T033136_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T040759_20200506T040825_C001 OCCG Backscatter Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T045254_20200506T045942_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and the OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T063331_20200506T063900_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCCOG Altimeter Range and Backscatter Quality PLRM, OC	CS_OFFL_SIR_NOPR_2_20200506T023836_20200506T023927_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200506T032834_20200506T033136_C001 and Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality Flags have been ast Inte OCean Atimeter Range, SSHA, SWH and Backscatter Quality Flags have been ast for one or more records. CS_OFFL_SIR_NOPR_2_20200506T040759_20200506T040825_C001 OCCG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T045254_20200506T045942_C001 Occean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been ast for one or more records. CS_OFFL_SIR_NOPR_2_20200506T045254_20200506T051141_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T063331_20200506T063900_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range	CS_OFFL_SIR_NOPR_2_20200506T024146_20200506T024506_C001		
CS_OFFL_SIR_NOPR_2_202005061040759_202005061040825_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_NOPR_2_20200506T045254_20200506T045942_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hard Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM,	CS_OFFL_SIR_NOPR_2_20200506T032834_20200506T033136_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200506T045254_20200506T045942_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_NOPR_2_20200506T050956_20200506T051141_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20200506T063331_20200506T063900_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20200506T074321_20200506T063900_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T074321_20200506T074348_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20200506T074321_20200506T074348_C001 OCOG Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_NOPR_2_20200506T074321_20200506T074348_C001 OCOG Altimeter Range, Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T074321_20200506T074348_C001 OCOG Altimeter Range Quality PLRM, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20200506T040759_20200506T040825_C001		
CS_OFFL_SIR_NOPR_2_20200506T050956_20200506T051141_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ind Bockscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T063331_20200506T063900_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T074321_20200506T074348_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T074321_20200506T074348_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T074346_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20200506T045254_20200506T045942_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200506T063331_20200506T063900_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ind Bockscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPR_2_20200506T074321_20200506T074348_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T074321_20200506T074348_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20200506T07436_0_001 OCOG Altimeter Range Quality PLRM, DCOG Altimeter Range Quality PLRM,	CS_OFFL_SIR_NOPR_2_20200506T050956_20200506T051141_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20200506T074321_20200506T074348_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20200506T063331_20200506T063900_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPR_2_20200506T074321_20200506T074348_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPR_2_20200506T084501_20200506T085316_C001		

CS_OFFL_SIR_NOPR_2_20200506T091925_20200506T092136_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_20200506T104451_20200506T104711_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_20200506T104728_20200506T104824_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_20200506T104858_20200506T105341_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_20200506T113356_20200506T113555_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_20200506T122258_20200506T122504_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_20200506T122538_20200506T123541_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_20200506T131248_20200506T131558_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_20200506T135942_20200506T140259_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_20200506T140649_20200506T141439_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_20200506T141619_20200506T141722_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_20200506T145222_20200506T145517_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_20200506T153342_20200506T153415_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_20200506T154340_20200506T154559_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_20200506T154715_20200506T155444_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_20200506T164400_20200506T164708_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_20200506T172627_20200506T173341_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_20200506T173619_20200506T173719_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_20200506T182145_20200506T182826_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_20200506T184110_20200506T184323_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_20200506T190012_20200506T190311_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_20200506T190541_20200506T191248_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_20200506T200659_20200506T200833_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_20200506T204422_20200506T205136_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_20200506T210516_20200506T210746_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_20200506T210924_20200506T211131_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG PLRM

The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags

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.

57

136

Number of products with errors:

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors: