

QA4EO Daily Report for NOP data:

<u>13/05/2023</u>

IDEAS-QA4E0

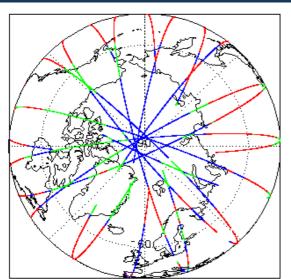
Panart Draduation	10 May 2022	Check	L1 & L2
Report Production:	19-May-2023	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CriveSet Oscen Breeseer	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP)	Product Format Check	Nominal
Data Used:	L1B & L2 Science Data	Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
We would	love to hear from you!	Auxiliary Correction Error Check	See Section 5.4
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to		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
cs2_qc_	team@telespazio.com	QCC Error/ Warning Check	See Section 7.1 and 7.2

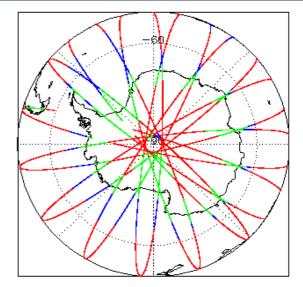
1. Overview

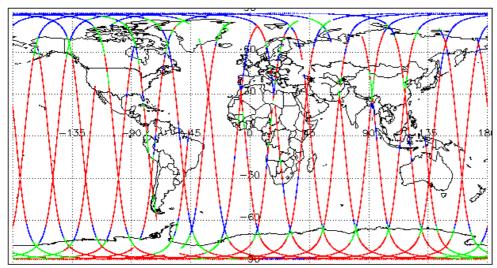
13-May-2023 None

14-May-2023 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 NetCDF product file (.nc). Number of products with errors: 0

4.2 L1B Product Header Analysis				
or 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 NOPR and NOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and SARIn chains. A modification is required in the next release.				
umber of products with errors: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pro	e-determined baseline and also	to check the validity of Auxiliary Data Files is correct.		
> Dynamic Atmospheric Correction: The DAC is missing in all products bec	ause the auxiliary files required a	are not available in time for processing. This known and expected behaviour.		
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement recor	d. The bit value of this flag indica	ates any problems when set.		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurer	ment record. The bit value of this	flan indicates any problems when set		
		ue. The attitude correction is not actually missing, This is being investigated and will be		
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	d. The bit value of this flag indica	tes any problems when set.		
> Loss of Echo Flag: This flag is currently set for occasional products over la	and, but this is to be expected.			
Number of products with errors: 17				
Product	Test Failed	Description		
CS OFFL SIR NOPM1B 20230513T053132 20230513T060003 C001	Loss of Echo	The tracking echo is missing for one or more records		
CS OFFL SIR NOPM1B 20230513T152605 20230513T155050 C001	Loss of Echo	The tracking echo is missing for one or more records		
CS OFFL SIR NOPM1B 20230513T225254 20230513T231219 C001	Loss of Echo	The tracking echo is missing for one or more records		
CS OFFL SIR NOPN1B 20230513T003156 20230513T003331 C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20230513T075818_20230513T080149_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20230513T110848_20230513T110950_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS OFFL SIR NOPN1B 20230513T124650 20230513T124905 C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20230513T215711_20230513T220224_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS OFFL SIR NOPN1B 20230513T224815 20230513T225209 C001	Loss of Echo	The tracking echo is missing for one or more records		
CS OFFL SIR NOPR1B 20230513T001958 20230513T002057 C001	Loss of Echo	The tracking echo is missing for one or more records		
CS OFFL SIR NOPR1B 20230513T012027 20230513T012214 C001	Loss of Echo	The tracking echo is missing for one or more records		
CS OFFL SIR NOPR1B 20230513T030208 20230513T030503 C001	Loss of Echo	The tracking echo is missing for one or more records		
CS OFFL SIR NOPR1B 20230513T043250 20230513T043632 C001	Loss of Echo	The tracking echo is missing for one or more records		

CS_OFFL_SIR_NOPR1B_20230513T075003_20230513T075818_C001 Loss of Echo CS_OFFL_SIR_NOPR1B_20230513T124445_20230513T124650_C001 Loss of Echo CS_OFFL_SIR_NOPR1B_20230513T142848_20230513T143300_C001 Loss of Echo CS_OFFL_SIR_NOPR1B_20230513T211243_20230513T211940_C001 Loss of Echo

5. NOP Level 2 Data Quality Check

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

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 NetCDF product file (.nc). Number of products with errors: 0

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Wind Model File Usage: This file is currently not included in all L2 products.

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 Corection, 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.

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Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20230513T011208_20230513T011211_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPM_2_20230513T060007_20230513T060011_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPM_2_20230513T124015_20230513T124040_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20230513T002057_20230513T002445_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T003156_20230513T003331_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_20230513T011744_20230513T011849_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T020044_20230513T020104_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_20230513T034018_20230513T034136_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_20230513T043113_20230513T043250_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T043632_20230513T043659_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T052146_20230513T052344_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20230513T061505_20230513T061518_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T065930_20230513T070253_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T070818_20230513T070935_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_20230513T075818_20230513T080149_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20230513T083831_20230513T084151_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T084710_20230513T084833_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_20230513T092808_20230513T092920_C001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_NOPN_2_20230513T102548_20230513T102716_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T110848_20230513T110950_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T115405_20230513T115541_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_20230513T120306_20230513T120509_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T124650_20230513T124905_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T135001_20230513T135333_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20230513T142237_20230513T142738_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_20230513T142807_20230513T142848_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T152236_20230513T152445_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_20230513T160018_20230513T160601_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T173849_20230513T174301_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T183200_20230513T183324_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_20230513T201130_20230513T201255_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_20230513T201808_20230513T202110_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T215138_20230513T215442_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_20230513T215711_20230513T220224_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20230513T224815_20230513T225209_C001	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 Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and 2: FES) and the Non- Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20230513T233025_20230513T233258_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T001958_20230513T002057_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T004909_20230513T005109_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_20230513T011059_20230513T011156_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_20230513T011212_20230513T011253_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_20230513T011313_20230513T011448_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T011448_20230513T011743_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T012652_20230513T012741_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_20230513T033824_20230513T034017_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_20230513T043251_20230513T043632_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T043700_20230513T043717_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T060011_20230513T060039_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_20230513T060605_20230513T060747_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_20230513T061052_20230513T061504_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T061519_20230513T061920_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T075003_20230513T075818_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T093049_20230513T093833_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T110951_20230513T111657_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T124906_20230513T125336_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T125336_20230513T125430_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_20230513T142738_20230513T142806_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T142848_20230513T143300_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T160602_20230513T161523_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20230513T174302_20230513T175001_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:
0

L2 Quality Flags (20 Hz)

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_20230512T234415_20230513T000051_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_20230513T000301_20230513T001732_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_20230513T002744_20230513T003156_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_20230513T003355_20230513T004608_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_20230513T004654_20230513T004908_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_20230513T005109_20230513T010031_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_20230513T012741_20230513T013805_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_20230513T014517_20230513T015906_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_20230513T020241_20230513T021058_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_20230513T021331_20230513T022947_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_20230513T023228_20230513T023439_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_20230513T031158_20230513T033823_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_20230513T034136_20230513T034336_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_20230513T034419_20230513T034926_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_20230513T035304_20230513T041737_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_20230513T044942_20230513T051711_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_20230513T052344_20230513T052946_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_20230513T053132_20230513T060003_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_20230513T060747_20230513T060928_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_20230513T062251_20230513T065608_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_20230513T070253_20230513T070818_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_20230513T071041_20230513T071610_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_20230513T074017_20230513T074121_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

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CB Der L. SPL HOPM 2. 20200 (1710000 2. 20200 (171000 2. 20200 (1710000 2. 20200	CS_OFFL_SIR_NOPM_2_20230513T074634_20230513T075002_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Control Description Description Description CS OPEL_DES_NOM_2_RESUSTINGES_2000011100000_CONT More Anisot Regin Status Result The Open Anisot Regin Status Result CS_OPEL_DES_NOM_2_RESUSTINGES_2000011100000_CONT Description Result The Open Anisot Regin Status Result CS_OPEL_DES_NOM_2_RESUSTINGES_2000011100000_CONT Description Result The Open Anisot Regin Status Result CS_OPEL_DES_NOM_2_RESUSTINGES_2000011100000_CONT Description Result The Open Anisot Regin Status Result CS_OPEL_DES_NOM_2_RESUSTINGES_200001100000_CONT Description Result The Open Anisot Regin Status Result CS_OPEL_DES_NOM_2_RESUSTINGES_200001100000_CONT Description Result The Open Anisot Regin Result Description Result CS_OPEL_DES_NOM_2_RESUSTINGES_200001100000_CONT Description Result The OPEN Anisot Regin Result Description Result CS_OPEL_DES_NOM_2_RESUSTINGES_20001100000_CONT Description Result The OPEN Anisot Regin Result Description Result CS_OPEL_DES_NOM_2_RESUSTINGES_2000011100000_CONT Description Result The OPEN Anisot Regin Result Description Result CS_OPEL_DES_NOM_2_RESUSTINGES_200011100000_CONT Description Result Description Result Description Result DescriptionR	CS_OFFL_SIR_NOPM_2_20230513T080149_20230513T083553_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
BL_PERT_LER_NOPM_2_REDEXISTENCE_200001 and Buscanter Quark to COM Amber Prog. and Buscanter Quark Plags have been advanced to Quark Amber Prog. Self. Solf of advanced To Quark Plags have been advanc	CS_OFFL_SIR_NOPM_2_20230513T084302_20230513T084710_C001		
DPL_DFFL_SFL_NOPM_2_D00261517080400_002051517080400_00205 and the DOOD Attempt Flags and Execute Cuality Flags have bein Attempt Flags and Execute Cuality Flags have been attempt Flags and Execute Cua	CS_OFFL_SIR_NOPM_2_20230513T084959_20230513T090350_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CR, OFFL, SR, NOFW, 2, 20228131101164, 202281311101164, 20228131110266, 2011 Const Afterior Farge Call, Farge Call, Farge Farge Cal	CS_OFFL_SIR_NOPM_2_20230513T090402_20230513T090846_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DS-LPH_DPL/DPL/DPL/DPL/DPL/DPL/DPL/DPL/DPL/DPL/	CS_OFFL_SIR_NOPM_2_20230513T091554_20230513T091644_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SRUNDPAL_22020513T1094947_2020513T1094947_2020513T1094947_2020513T109196_202051 Init Backgrane Coality, COCO Martieler Range and Backgrane Coality, COCO Martieler Range and Backgrane Coality, COCO Martieler Range Coality, COCO Range and Backgrane Coality, COCO Martieler Range Coality, COCO Range and Backgrane Coality, COCO Range and Range Coality, Range and Range Coality, Range and Range Coality, Range and Range Coality, Range and Range Coality, Range and Range Coality, Range Range Coality, Range and Range Coality, Range and	CS_OFFL_SIR_NOPM_2_20230513T093952_20230513T093953_C001	0 17	
DS. DFL. SH. NOPM 2, 2023013110219, 20230131112019, 202301	CS_OFFL_SIR_NOPM_2_20230513T094047_20230513T101412_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Badescater Quely for order meetersta for	CS_OFFL_SIR_NOPM_2_20230513T101705_20230513T102156_C001	0 17	
CBDFFL_SIR_NOPM_2_20230513T10287_20230513T110410_C001 and Backscatter Cuality, Co0C and the COOC Advectore Range and Backscatter Cuality Flags have been Advectore Range SSHA_SWH and Backscatter Cuality Flags CBOFFL_SIR_NOPM_2_20230513T112337_20230513T113700_C001 Cooran Advectore Range, SSHA_SWH and Backscatter Cuality Flags CBOFFL_SIR_NOPM_2_20230513T112337_20230513T113700_C001 Cooran Advectore Range, SSHA_SWH and Backscatter Cuality Flags CBOFFL_SIR_NOPM_2_20230513T112337_20230513T113542_C001 Cooran Advectore Range, SSHA_SWH and Backscatter Cuality Flags CBOFFL_SIR_NOPM_2_20230513T112542_C001 Cooran Advectore Range Cuality, COOC The CoOCA Advectore Range and Backscatter Cuality Flags have been set for ore or more records CBOFFL_SIR_NOPM_2_20230513T12541_20230513T1203806_C001 COCCA Advectore Range Cuality, COOC The COCCA Advectore Range Cuality, COCC CBOFFL_SIR_NOPM_2_20230513T1223815_20230513T1203806_C001 COCCA Advectore Range Cuality, COCC The COCCA Advectore Range Cuality, COCC CBOFFL_SIR_NOPM_2_20230513T1223815_20230513T1223815_C001 Cocora Advectore Range, SSHA, SWH and Backscatter Cuality Flags have been set for ore or more records CBOFFL_SIR_NOPM_2_20230513T123815_20230513T123836_C001 Cocora Advectore Range, SSHA, SWH and Backscatter Cuality Flags have been set for ore or more records CBOFFL_SIR_NOPM_2_20230513T13806_20230513T123836_C001 Cocora Advecorder Range, SSHA, SWH and Backscatter Cuality Flags have been	CS_OFFL_SIR_NOPM_2_20230513T102216_20230513T102547_C001		
CS_OFFL_SIR_NOPM_2_20220513T112337_20230513T113700_C001 and the SCOGG and the SCOGG CS_OFFL_SIR_NOPM_2_20220513T112371_20230513T113700_C001 Core Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220513T113719_20230513T113342_C001 Core Altimeter Range Quality.C003 Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220513T112101_20230513T12005_C001 COCGA Altimeter Range Quality.C003 Backscatter Quality The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220513T121013_20230513T122036_C001 COCGA Altimeter Range Quality.C003 Attimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20220513T12101_20230513T122036_C001 Coctan Altimeter Range Quality.C003 Attimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range ASHA, SWH and Backscatter Quality Flags have been attimeter Range and Backscatter Quality Flags have been attimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_NOPM_2_20230513T103257_20230513T110418_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230513T113740_20230513T11542_0001 and Babascatter Quality COCO Altimeter Parge and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T112015_0001 COCO Altimeter Parge Quality.CCCO The OCOO Altimeter Parge and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T12016_0001 COCO Altimeter Parge Quality.CCCO The OCOO Altimeter Parge and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T12016_20230513T12238E_C001 COCO Altimeter Parge Quality.CCCO The OCOO Altimeter Parge and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T12238E_C001 Cocen Altimeter Parge Quality.CCCO The OCOO Altimeter Parge, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T12238E_C001 Cocen Altimeter Parge SSHA, SWH and Backscatter Quality Flags have been Altimeter Parge and Backscatter Quality Flags have been Altimeter Parge and Backscatter Quality Flags have been Altimeter Parge and Backscatter Quality Flags have been at the or end near tecords CS_OFFL_SIR_NOPM_2_20230513T13060_0203513T131640_C001 Cocen Altimeter Parge SSHA, SWH and Backscatter Quality Flags have been set to or end near tecords CS_OFFL_SIR_NOPM_2_20230513T131640_C001 Cocen Altimeter Parge and Backscatter Quality Flags have been set to or end near tecords CS_OFFL_SIR_NOPM_2_20230513T131640_20230513T134007_C001 Cocen Altimeter Parge and	CS_OFFL_SIR_NOPM_2_20230513T112337_20230513T113700_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DS. OFFL_SIR_NOPM_2_20230513T120131_20230513T120306_C001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_20230513T120131_20230513T120306_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T121101_20230513T122436_C001 Ocean Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T12215_20230513T12235_C001 Ocean Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T12235_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T132835_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T131840_C0230513T131840_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T131840_C0230513T134007_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T134014_20230513T134025_C001 OCOGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T134014_20230513T134025_C001 OCOGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for o	CS_OFFL_SIR_NOPM_2_20230513T113719_20230513T115342_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Dis_OPPE_SIM_NOPM_2_20230513112031_202305131120306_0001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_20230513T12101_20230513T122436_0001 Coesn Attimeter Range. SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T131060_0201 Ocean Attimeter Range Quality, OCOG The OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T134014_20230513T134007_0001 OCCOG Attimeter Range Quality, OCOG The OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T134014_20230513T134005_0011 OCCOG Attimeter Range Quality, OCOG The OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records </td <td>CS_OFFL_SIR_NOPM_2_20230513T115541_20230513T120055_C001</td> <td>0,000</td> <td></td>	CS_OFFL_SIR_NOPM_2_20230513T115541_20230513T120055_C001	0,000	
CS_OFFL_SIR_NOPM_2_80230513T121101_20230513T122436_C001 and Backscatter Quality, COCG and the OCCG Allimeter Range and Backscatter Quality, etc on oer more records CS_OFFL_SIR_NOPM_2_80230513T122815_20230513T123835_C001 Cocan Allimeter Range, SSHA, SWH and Backscatter Quality, COCG The Ocean Allimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_80230513T128815_20230513T131640_C001 Cocan Allimeter Range, SSHA, SWH The Ocean Allimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_80230513T131640_C001 Cocan Allimeter Range, SSHA, SWH The Ocean Allimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_80230513T131640_C001 Cocan Allimeter Range, SSHA, SWH The Ocean Allimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_80230513T131620_20230513T13283_C001 Cocan Allimeter Range, SSHA, SWH The Ocean Allimeter Range, SSHA, SWH CS_OFFL_SIR_NOPM_2_80230513T131607_C001 QCOG Allimeter Range and Backscatter Quality, Flags have been set The OCGA Allimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_NOPM_2_80230513T134014_20230513T134007_C001 QCOG Allimeter Range Quality, OCOG The OCGA Allimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_NOPM_2_80230513T134014_20230513T140141_C001 Cocan Allimeter Range, SSHA, SWH The OCGA Allimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_NOPM_2_80230513T140541_80230513T140141_C001 Cocean Allimeter Range, SSHA, SWH The OCGA Allimeter R	CS_OFFL_SIR_NOPM_2_20230513T120131_20230513T120306_C001		
CS_OFFL_SIR_NOPM_2_20230513T122815_20230513T128935_C001 and Backscatter Quality Gaily, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality COG Altimeter Range, SHA, SWH and Backscatter Quality COG Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T13606_20230513T134007_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_20230513T134014_20230513T134025_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_20230513T134014_20230513T140141_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range Backscatter Quality Flags have been Altimeter Range Backscatter Qu	CS_OFFL_SIR_NOPM_2_20230513T121101_20230513T122436_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230513T130620_20230513T131640_C001 and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality and the OCCG 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 and the OCCG Altimeter Range, and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been at the OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T133506_20230513T134007_C001 OCCG Altimeter Range Quality, OCCG Altimeter Range Quality, OCCG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T134014_20230513T134025_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality, CCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T134014_20230513T140141_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the CCCGA Altimeter Range and Backscatter Quality Flags and the CCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the CCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the CCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the CCCGA Altimeter Range and Backscatter Quality Flags and the CCCGA Altimeter	CS_OFFL_SIR_NOPM_2_20230513T122815_20230513T123935_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230513T131820_20230513T133233_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_20230513T133506_20230513T134007_C001 DCOG 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_20230513T134014_20230513T134025_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_20230513T134014_20230513T140141_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The OCCOG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_NOPM_2_20230513T140541_20230513T140141_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T140541_20230513T141030_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG 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_20230513T151947_20230513	CS_OFFL_SIR_NOPM_2_20230513T130620_20230513T131640_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230513T134014_20230513T134025_C001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_20230513T134014_20230513T134025_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T135333_20230513T140141_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T140541_20230513T140141_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T140541_20230513T141030_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T140541_20230513T151122_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T151122_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T151947_20230513T152236_C001 OCCG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T15266_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_202305	CS_OFFL_SIR_NOPM_2_20230513T131820_20230513T133233_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230513T134014_20230513T134025_C001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_20230513T135333_20230513T140141_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality set for one or more records CS_OFFL_SIR_NOPM_2_20230513T140541_20230513T141030_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Set for one or more records CS_OFFL_SIR_NOPM_2_20230513T140541_20230513T151122_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hand the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Set for one or more records CS_OFFL_SIR_NOPM_2_20230513T151947_20230513T152236_C001 OCC0G Altimeter Range Quality, OCOG 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_20230513T152604_20230513T152050_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags hand Backscatter Quality, OCOG Backscatter Quality Flags have been set for one or more records <td>CS_OFFL_SIR_NOPM_2_20230513T133506_20230513T134007_C001</td> <td></td> <td></td>	CS_OFFL_SIR_NOPM_2_20230513T133506_20230513T134007_C001		
CS_OFFL_SIR_NOPM_2_20230513T135333_20230513T140141_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_20230513T140541_20230513T141030_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 have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T140541_20230513T141030_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, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T144920_20230513T151122_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags 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_20230513T151947_20230513T152236_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T152604_20230513T155050_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20230513T134014_20230513T134025_C001		
CS_OFFL_SIR_NOPM_2_20230513T140541_20230513T141030_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_20230513T144920_20230513T151122_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPM_2_20230513T151947_20230513T15122_C001 Ocean Altimeter Range Quality, OCOG Backscatter Qualit	CS_OFFL_SIR_NOPM_2_20230513T135333_20230513T140141_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230513T144920_20230513T151122_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_20230513T151947_20230513T152236_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_20230513T152604_20230513T152050_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags hand Backscatter Quality, OCOG	CS_OFFL_SIR_NOPM_2_20230513T140541_20230513T141030_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230513T152604_20230513T152050_C001 Backscatter Quality for one or more records CS_OFFL_SIR_NOPM_2_20230513T152604_20230513T155050_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 have been	CS_OFFL_SIR_NOPM_2_20230513T144920_20230513T151122_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20230513T152604_20230513T155050_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20230513T151947_20230513T152236_C001		
Altimeter Range and Backscatter Quality set for one or more records	CS_OFFL_SIR_NOPM_2_20230513T152604_20230513T155050_C001		and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPM_2_20230513T162611_20230513T165130_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_20230513T165323_20230513T165840_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_20230513T170544_20230513T173848_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_20230513T180251_20230513T180914_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_20230513T181520_20230513T182103_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_20230513T182515_20230513T183051_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_20230513T183324_20230513T184117_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_20230513T184516_20230513T191824_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_20230513T194015_20230513T194059_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_20230513T195831_20230513T201000_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_20230513T201256_20230513T201808_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_20230513T202436_20230513T205844_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_20230513T211002_20230513T211242_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_20230513T212907_20230513T213517_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_20230513T213622_20230513T214807_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_20230513T220415_20230513T223656_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_20230513T225254_20230513T231219_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_20230513T231225_20230513T232459_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_20230513T233424_20230513T233619_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_20230513T233812_20230513T234123_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_20230513T234318_20230513T235845_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_20230513T024211_20230513T024256_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230513T072841_20230513T072858_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230513T124650_20230513T124905_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_20230513T144237_20230513T144251_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPN_2_20230513T224815_20230513T225209_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	1	1

CS_OFFL_SIR_NOPN_2_20230513T234123_20230513T234249_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_20230513T061519_20230513T061920_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_20230513T073637_20230513T074016_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_20230513T111658_20230513T111707_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_20230513T111933_20230513T112337_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_20230513T160602_20230513T161523_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_20230513T170337_20230513T170544_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_20230513T194151_20230513T194413_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz 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.

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> OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice.

Number of	products with	errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20230513T001823_20230513T001957_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_20230513T002057_20230513T002445_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_20230513T003156_20230513T003331_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_20230513T010031_20230513T010222_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_20230513T011935_20230513T012026_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_20230513T014144_20230513T014158_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_20230513T020044_20230513T020104_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_20230513T023744_20230513T024132_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_20230513T024211_20230513T024256_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_20230513T034926_20230513T035209_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_20230513T041737_20230513T041834_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_20230513T043113_20230513T043250_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_20230513T061019_20230513T061052_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_20230513T061921_20230513T062250_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_20230513T065930_20230513T070253_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_20230513T074121_20230513T074139_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_20230513T074543_20230513T074633_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_20230513T075818_20230513T080149_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_20230513T084710_20230513T084833_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_20230513T092808_20230513T092920_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_20230513T101505_20230513T101705_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_20230513T102548_20230513T102716_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_20230513T110440_20230513T110543_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_20230513T120306_20230513T120509_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_20230513T125431_20230513T125608_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_20230513T130339_20230513T130619_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_20230513T135001_20230513T135333_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_20230513T140142_20230513T140541_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_20230513T141901_20230513T142023_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_20230513T142237_20230513T142738_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_20230513T142807_20230513T142848_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_20230513T143300_20230513T143318_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_20230513T144342_20230513T144741_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_20230513T151226_20230513T151540_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_20230513T160018_20230513T160601_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_20230513T162222_20230513T162343_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_20230513T162522_20230513T162611_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_20230513T170213_20230513T170336_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_20230513T173849_20230513T174301_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_20230513T183200_20230513T183324_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_20230513T184117_20230513T184230_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_20230513T192934_20230513T193046_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_20230513T193256_20230513T193335_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_20230513T193440_20230513T193603_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_20230513T194004_20230513T194015_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_20230513T215138_20230513T215442_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_20230513T215711_20230513T220224_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_20230513T224208_20230513T224226_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_20230513T224815_20230513T225209_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_20230513T233025_20230513T233258_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_20230513T233620_20230513T233812_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_20230513T234123_20230513T234249_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_20230513T000051_20230513T000301_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_20230513T011059_20230513T011156_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_20230513T011313_20230513T011448_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_20230513T011448_20230513T011743_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_20230513T014002_20230513T014144_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_20230513T014159_20230513T014408_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_20230513T021246_20230513T021330_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_20230513T023440_20230513T023645_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_20230513T030208_20230513T030503_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_20230513T031056_20230513T031158_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_20230513T035210_20230513T035303_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_20230513T042807_20230513T043009_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_20230513T043251_20230513T043632_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_20230513T051712_20230513T051940_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_20230513T060011_20230513T060039_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

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Construction Construction<	CS_OFFL_SIR_NOPR_2_20230513T061052_20230513T061504_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CH_DRE_DRE_VERS_SERVERS1_2025151126560_001 Characterize Resp. 504. SMH voltage and Basediate Call of Page Manuscription	CS_OFFL_SIR_NOPR_2_20230513T061519_20230513T061920_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
Charl, SPI, NOPE, 2, 202811710282 Does Althrow Resp. SPA, SWA Cold Association Cash Program Services (Cold Association Cash Pr	CS_OFFL_SIR_NOPR_2_20230513T065609_20230513T065930_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Op/LPT_DPLAND Op/LPT_DPLAND Op/LPT_DPLAND Op/LPT_DPLAND Op/LPT_DPLAND C6 OFTL_SIT_NOPR_2 2022651071930 2022 Op/LPT_DPLAND The Operand Press; S54A, SWH and Backsconter Cauly FPLAND C6 OFTL_SIT_NOPR_2 2022651071930 2022 Deve Americe Faces; S54A, SWH The Operand Press; S54A, SWH and Backsconter Cauly FPLANDD C6 OFTL_SIT_NOPR_2 2022651071091 2000; Deve Americe Faces; S54A, SWH The Operand Press; S54A, SWH and Backsconter Cauly FPLANDDD C6 OFTL_SIT_NOPR_2 20226510711091 2000; Deve Americe Faces; S54A, SWH The Operand Press; S54A, SWH and Backsconter Cauly FPLANDDDD C6 OFTL_SIT_NOPR_2 20226510711091 2000; Deve Americe Faces; S54A, SWH The Operand Press; S54A, SWH and Backsconter Cauly FPLANDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	CS_OFFL_SIR_NOPR_2_20230513T073637_20230513T074016_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SRI_NOPR_2_20226613T02569_20200513T16259L0031 With Backwatte Duals / PLML OCGS With Backwatte Duals / PLML OCGS CGS OFFL_SRI_NOPR_2_20226613T102569_2020513T102569_2020513T102569_2020513T10157_2001 CGS OFFL_SRI_NOPR_2_20226613T11055_2020513T111657_2001 CGS OFFL_SRI_NOPR_2_20226613T11055_2020513T111657_2001 CGS OFFL_SRI_NOPR_2_20226613T11055_2020513T111657_2001 CGS OFFL_SRI_NOPR_2_20226613T11055_2020513T111657_2001 CGS OFFL_SRI_NOPR_2_20226613T11055_2020513T111657_2001 CGS OFFL_SRI_NOPR_2_20226613T11055_2020513T111057_2001 CGS OFFL_SRI_NOPR_2_20226613T11055_2020513T11105_2020513T11105_2020513T12110_2001 CGS OFFL_SRI_NOPR_2_20226613T112569_2020513T12110_2001 CGS OFFL_SRI_NOPR_2_20226613T112569_2020513T12101_2001 CGS OFFL_SRI_NOPR_2_20226613T112569_2020513T12101_2001 CGS OFFL_SRI_NOPR_2_20226613T112569_2020513T12101_2001 CGS OFFL_SRI_NOPR_2_20226613T112569_2020513T12101_2001 CGS OFFL_SRI_NOPR_2_20226613T112569_2020513T12101_2001 CGS OFFL_SRI_NOPR_2_20226613T112569_2020513T12101_2001 CGS OFFL_SRI_NOPR_2_20226613T112569_2020513T12101_2001 CGS OFFL_SRI_NOPR_2_20226613T112569_2020513T12267_2020513T12667_2020513T12667_2020513T12667_20205	CS_OFFL_SIR_NOPR_2_20230513T074301_20230513T074528_C001		
CB_OPFL_SR_NOPFL_2.0220913T105553_2020913T105553_0001 Imit Baskstatte Outly PLML OCC Text Substatte Outly PLML OCC CB_OPFL_SR_NOPFL_2.0220913T105553_2020913T105553_0001 Ocean Athere Rang, SSIA, SWI Text Substatte Outly PLML OCC CB_OPFL_SR_NOPFL_2.0220913T110551_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T11051_02209513T112637_0001 Ocean Athere Rang, SSIA, SWI Tex OCC Athere Rang, SSIA, SWI CB_OPFL_SR_NOPFL_2.02209513T11051_02009_013T111051_02009 Ocean Athere Rang, SSIA, SWI Tex OCC Athere Rang, SSIA, SWI Tex OCC Athere Rang, SSIA, SWI CB_OPFL_SR_NOPFL_2.02209513T12609_02009513T11050_010 Ocean Athere Rang, SSIA, SWI Tex OCC Athere Rang, SSIA, SWI Tex OCC Athere Rang, SSIA, SWI CB_OPFL_SR_NOPFL_2.02209513T12609_02009513T12609_02009513T12609_02009513T12609_02009513T12609_00000 Ocean Athere Rang, SSIA, SWI Tex OCC Athere Rang, SSIA, SWI and Baskatter Outly Flags have been at the OCC Athere Rang, SSIA, SWI and Baskatter Outly Flags have been at the SSIA SWI and Baskatter Outly Flags have been at the SSIA SWI and Baskatter Outly Flags have been at the SSIA SWI and Baskatter Outly Flags have been at the SSIA SWI and Baskatter Outly Flags have been at the SSIA SWI and Baskatter Outly Flags have been at the SSIA SWI and Baskatter Outly Flags have been at the SSIA SWI and Baskatter Outly Flags have been at the SSIA SWI and Baskatter Outly Flags have been at the SSIA SWI and Baskatter Outly Flags have been at the SSIA SWI and Baskatter Outly Flags have been at the SSIA SWI and Baskatter Outly Flags have	CS_OFFL_SIR_NOPR_2_20230513T075003_20230513T075818_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB OFFL_SIR_NOPR_2_202305137103030_202305137110951_202305137110951_202305137110951_202305137110951_202305137110951_202305137110951_202305137110951_202305137110951_202305137110951_202305137110951_202305137110951_202305137110951_202305137110951_202305137110951_202305137110951_202305137120450_202305137124450_202305137142050_202305137142050_202305137142050_202305137142050_202305137142050_202305137142050_202305137142050_202305137142050_202305137142050_202305137142050_202305137142050_202305137142050_202305137142050_202305137142050_202	CS_OFFL_SIR_NOPR_2_20230513T083553_20230513T083830_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_22220513T110531_20220513T111057_C001 Am Bankcenter Quality FLM, CDCO, Amount Plags, Mark Stram, Stram	CS_OFFL_SIR_NOPR_2_20230513T093049_20230513T093833_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
0.0.0 PPL_SHL, VOPR_2_20220513112639_00220513112101_0001 0000 Backscatter Qualty more records 0.8_0 FFL_SIR_NOPR_2_20220513112059_00220513112101_0001 0000 Backscatter Qualty FRage and Backscatter Qualty Frage The Ocean Altimeter Range and Backscatter Qualty Frage 0.8_0 FFL_SIR_NOPR_2_20220513112059_00220513112010_0001 0000 Backscatter Qualty Frage and Backscatter Qualty Frage The Ocean Altimeter Range SHA, SWH 0.8_0 FFL_SIR_NOPR_2_20220513112050_0001 0000 Backscatter Qualty FLM The Ocean Altimeter Range, SHA, SWH 0.8_0 FFL_SIR_NOPR_2_20220513112050_0001 0000 Backscatter Qualty FRAGE The Ocean Altimeter Range, SHA, SWH 0.8_0 FFL_SIR_NOPR_2_20220513112050_0001 0000 Altimeter Range, SHA, SWH The Ocean Altimeter Range, SHA, SWH 0.8_0 FFL_SIR_NOPR_2_202205131120450_0001 0000 Altimeter Range, SHA, SWH The Ocean Altimeter Range, SHA, SWH 0.8_0 FFL_SIR_NOPR_2_202205131126450_0001 0000 Altimeter Range, SHA, SWH The Ocean Altimeter Range, SHA, SWH 0.8_0 FFL_SIR_NOPR_2_202205131126530_0001 0000 Altimeter Range, SHA, SWH The Ocean Altimeter Range, SHA, SWH 0.8_0 FFL_SIR_NOPR_2_202205131125530_0001 0000 Altimeter Range, SHA, SWH The Ocean Altimeter Range, SHA, SWH 0.8_0 FFL_SIR_NOPR_2_202205131142650_0001 0000 Altimeter Range, SHA, SWH The Ocean Altimeter Range, SHA, SWH <	CS_OFFL_SIR_NOPR_2_20230513T110951_20230513T111657_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_NOPR_2_20230513T12405_20230513T12405_0001 and Backacatter Oually Flags Market Barges and Backacatter Oually Flags have been after one or more records GS_OFFL_SIR_NOPR_2_20230513T12457_20230513T12405_0001 Doesn Allmeter Range, SNA, SWH and Backacatter Oually Flags have been after one or more records GS_OFFL_SIR_NOPR_2_20230513T12405_0001 Doesn Allmeter Range, SNA, SWH and Backacatter Oually Flags have been after one or more records GS_OFFL_SIR_NOPR_2_20230513T12405_0001 Doesn Allmeter Range, SNA, SWH and Backacatter Oually Flags have been after one or more records GS_OFFL_SIR_NOPR_2_20230513T12405_0001 Doesn Allmeter Range, SNA, SWH and Backacatter Oually Flags have been after one or more records GS_OFFL_SIR_NOPR_2_20230513T12405_0001 Doesn Allmeter Range, SNA, SWH and Backacatter Oually Flags have been after one or more records GS_OFFL_SIR_NOPR_2_20230513T12405_0001 Doesn Allmeter Range, SNA, SWH and Backacatter Oually Flags have been after one or more records GS_OFFL_SIR_NOPR_2_20230513T12405_0001 Doesn Allmeter Range, SNA, SWH and Backacatter Oually Flags have been after one or more records CS_OFFL_SIR_NOPR_2_20230513T12405_00013T12450_0001 Doean Allmeter Range, SNA, SWH and Backacatter Oually Flags have been after one or more records CS_OFFL_SIR_NOPR_2_20230513T12400_0001 Doean Allmeter Range, SNA, SWH and Backacatter Oually Flags have been after one or more records CS_OFFL_SIR_NOPR_2_20230513T142540_00001 Doean Allmeter Range, SNA, SWH a	CS_OFFL_SIR_NOPR_2_20230513T111933_20230513T112337_C001	OCOG Backscatter Quality	
CS_OFFL_SIR_NOPR_2_20230513T122435_20230513T122515_C001 and Badsscatter Quality FLRM, COCG and Badsscatter Quality Flags have been after Quality Flags have	CS_OFFL_SIR_NOPR_2_20230513T120639_20230513T121101_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_NOPR_2_20230513T123036_20230513T124015_C001 and Backscatter Quality PLRM_CCCQ Attimeter Range, SSHA, SWH and Backscatter Quality PLRM_CCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been bef for one or more records GS_OFFL_SIR_NOPR_2_20230513T124596_20230513T124596_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM_CCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM_CCGG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM_CCGG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM_CCGG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags. CS_OFFL_SIR_NOPR_2_20230513T125336_20230513T125336_C001 Ocean Attimeter Range, SSHA, SWH and Backcatter Quality Flags and Backscatter Quality Flags. CS_OFFL_SIR_NOPR_2_20230513T125336_20230513T125336_20230513T125336_20230513T1425439_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the COGG Attimeter Range and Backscatter Quality CS_OFFL_SIR_NOPR_2_20230513T1425439_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the COGG Attimeter Range and Backscatter Quality CS_OFFL_SIR_NOPR_2_20230513T141153_20230513T1425439_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and beckscatter Quality The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the COGG Attimeter Range and Backscatter Quality The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality	CS_OFFL_SIR_NOPR_2_20230513T122437_20230513T122815_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_NOPR_2_20230513T124465_20230513T124650_0001 and Backscatter Quality PLM, COCO and the COCO Alimeter Range and Backscatter Quality PLgs have been at for one or more records CS_OFFL_SIR_NOPR_2_20230513T124006_20230513T125336_0001 Cocean Alimeter Range, SSHA, SWH and Backscatter Quality PLgs have been at for one or more records CS_OFFL_SIR_NOPR_2_20230513T125336_0001 Cocean Alimeter Range, SSHA, SWH and Backscatter Quality PLgs have been at for one or more records CS_OFFL_SIR_NOPR_2_20230513T125336_0001 Cocean Alimeter Range, SSHA, SWH and Backscatter Quality PLgs have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T145300_0001 Cocean Alimeter Range and Backscatter Quality PLgs have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T14153_20230513T141313_0001 COCCA Alimeter Range and Backscatter Quality PLgs have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T142738_20230513T142806_0001 Alimeter Range ASHA, SWH and Backscatter Quality PLgs have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T142738_20230513T142806_0001 Cocean Alimeter Range, SSHA, SWH and Backscatter Quality PLgs have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T142848_20230513T142806_0001 Cocean Alimeter Range, SSHA, SWH and Backscatter Quality PLgs have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T142848_20230513T142806_0001 Cocean Alimeter Range, SSHA, SWH and Backscatter Quality PLgs and the COCOC Alimeter Range and Backscatter Quality PLgs and the COCO Alime	CS_OFFL_SIR_NOPR_2_20230513T123936_20230513T124015_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_NOPR_2_20230513T124906_20230513T125336_C001 All Backscatter Quality PLBM, QCGC Ind b COGR Allmeter Range and Backscatter Quality PLBM, QCGC GS_OFFL_SIR_NOPR_2_20230513T125336_20230513T125430_C001 Allmeter Range, SSHA, SWH and Backscatter Quality PLBM, QCGC GS_OFFL_SIR_NOPR_2_20230513T141153_20230513T141313_C001 QCGG Allmeter Range, Quality PLBM, QCGC GS_OFFL_SIR_NOPR_2_20230513T141153_20230513T141313_C001 QCGG Backscatter Quality The OCGG Rameer Range and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_NOPR_2_20230513T142548_20230513T142846_C001 QCGG Allmeter Range Quality PLBM, QCGG The OCGG Rameer Range and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_NOPR_2_20230513T142738_20230513T142846_C001 QCGG Allmeter Range Cuality PLBM, QCGG The OCGan Allmeter Range and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_NOPR_2_20230513T142846_20230513T142846_C001 Allmeter Range and Backscatter Quality PLBM, QCGG The OCGan Allmeter Range and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_NOPR_2_20230513T142848_20230513T143300_C001 Allmeter Range and Backscatter Quality PLBM, QCGG The OCGan Allmeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T143407_C001 QCGG Allmeter Range Quality PLBM, QCGG The OCGA Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPR_2_20230513T124445_20230513T124650_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_20230513T125336_20230513T125336_20230513T125336_20230513T125336_20230513T125336_20230513T125336_20230513T125336_20230513T125336_20230513T141313_C001 and Backscatter Quality PLRM, OCCG The OCCG Range and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T141153_20230513T141313_C001 OCCG Altimeter Range Quality PLRM, OCCG The OCCG Range and Backscatter Quality PLRM, OCCG CS_OFFL_SIR_NOPR_2_20230513T142738_20230513T142806_C001 CCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG CS_OFFL_SIR_NOPR_2_20230513T142848_20230513T143300_C001 CCCGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG CS_OFFL_SIR_NOPR_2_20230513T143819_20230513T143407_C001 OCCGA Altimeter Range Quality PLRM, OCCG The OCCGA Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T143319_20230513T161523_C001 OCCGA Altimeter Range Quality PLRM, OCCG The OCCGA Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T161523_C001 OCEan Altimeter Range Quality PLRM, OCCG The OCCGA Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T175001_C001 Cecan Altimeter Range Quality PLRM, OCCG The OCCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records <td>CS_OFFL_SIR_NOPR_2_20230513T124906_20230513T125336_C001</td> <td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_NOPR_2_20230513T124906_20230513T125336_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality more records OCOG Backscatter Quality more records Ocosen Altimeter Range, SSHA, SWH 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_20230513T142848_20230513T142848_20230513T143300_C001 Ocosen 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_20230513T142848_20230513T143300_C001 OCOG Altimeter Range and Backscatter Quality PLRM The Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T143319_20230513T143407_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T160602_20230513T161523_C001 Ocean 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_20230513T175001_C001 Ocean 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_20230513T175154_20230513T175536_C001 OCOG Altimeter Range 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_N	CS_OFFL_SIR_NOPR_2_20230513T125336_20230513T125430_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_20230513T142738_20230513T142806_C001 and Backscatter Quality PLRM_OCCG Ine OCGBA Itimitetre Anarge and Backscatter Quality Flags have been ast for one or more records CS_OFFL_SIR_NOPR_2_20230513T142848_20230513T142806_C001 Cocan Attimeter Range, SSHA, SWH and Backscatter Quality PLRM_OCCG The OCGBA Itimiteter Range and Backscatter Quality Flags have been ast for one or more records CS_OFFL_SIR_NOPR_2_20230513T142848_20230513T143300_C001 Cocan Attimeter Range, SSHA, SWH and Backscatter Quality PLRM_OCCG The OCCGA Attimeter Range and Backscatter Quality Flags have been ast for one or more records CS_OFFL_SIR_NOPR_2_20230513T143319_20230513T143407_C001 OCCGA Attimeter Range Quality PLRM_OCCG The OCCGA Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T160602_20230513T161523_C001 Attimeter Range, SSHA, SWH and Backscatter Quality PLRM_OCCG The OCCGA Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T174302_20230513T175001_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCGA Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T175154_20230513T175536_C001 OCCGA Attimeter Range Quality PLRM_OCCG The OCCGA Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T175154_20230513T175536_C001 OCCGA Attimeter Range Quality PLRM_OCCG The OCCGA Range and Backscatter Qual	CS_OFFL_SIR_NOPR_2_20230513T141153_20230513T141313_C001	OCOG Backscatter Quality	
CS_OFFL_SIR_NOPR_2_20230513T142848_20230513T143300_C001 and Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality PLRM The OCOGA Milmeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T143319_20230513T143407_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH 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_20230513T160602_20230513T161523_C001 Ocean Altimeter Range, SSHA, SWH 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_20230513T174302_20230513T175001_C001 Ocean 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_20230513T175154_20230513T175536_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_20230513T184230_20230513T184516_C001 OCCG Altimeter Range SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T184230_20230513T184516_C001 OCCG Altimeter Range SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_NOPR_2_20230513T142738_20230513T142806_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_20230513T143319_20230513T143319_20230513T143319_20230513T143319_20230513T143319_20230513T143307_2001 OCOG Backscatter Quality more records CS_OFFL_SIR_NOPR_2_20230513T160602_20230513T161523_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 have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T174302_20230513T175001_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T175154_20230513T175001_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_20230513T175154_20230513T175536_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T175154_20230513T175536_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T184230_20230513T184516_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T184230_20230513T184516_C001 OCOG 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_NOPR_2_20230513T184230_20230513T184516_C001 OCCOG Altimeter Range Quality	CS_OFFL_SIR_NOPR_2_20230513T142848_20230513T143300_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_20230513T160602_20230513T161523_C001 and Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality PLRM and the OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T174302_20230513T175001_C001 Cs_oFFL_SIR_NOPR_2_20230513T175154_20230513T175536_C001 The OCog Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The OCog 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_20230513T175154_20230513T175536_C001 OCOG Attimeter 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_20230513T184230_20230513T184516_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags and the OCOG Attim	CS_OFFL_SIR_NOPR_2_20230513T143319_20230513T143407_C001	OCOG Backscatter Quality	
CS_OFFL_SIR_NOPR_2_20230513T174302_20230513T175001_C001 and Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality PLRM, and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T175154_20230513T175536_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_20230513T184230_20230513T184516_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPR_2_20230513T160602_20230513T161523_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_202305131175154_202305131175556_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_NOPR_2_20230513T184230_20230513T184516_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 and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_NOPR_2_20230513T184230_20230513T184516_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_20230513T193604_20230513T193738_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_NOPR_2_20230513T174302_20230513T175001_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_20230513T184230_20230513T184516_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_NOPR_2_20230513T175154_20230513T175536_C001	OCOG Backscatter Quality	
	CS_OFFL_SIR_NOPR_2_20230513T184230_20230513T184516_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_20230513T193604_20230513T193738_C001		

CS_OFFL_SIR_NOPR_2_20230513T195600_20230513T195700_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_20230513T195702_20230513T195831_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_20230513T201000_20230513T201129_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_20230513T202110_20230513T202436_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_20230513T205905_20230513T205936_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_20230513T211243_20230513T211940_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_20230513T214807_20230513T215138_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_20230513T223657_20230513T223746_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_20230513T223750_20230513T223820_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_20230513T232459_20230513T233024_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

190

63

146

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

Number of products with errors:

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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.

4

Number of products with errors:

L2 Retracking Flags (20 Hz 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:

7. NOP QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	160	160	4	156	0
SIR_NOPR1B	121	121	0	121	0
SIR_NOPN1B	105	105	1	104	0
SIR_NOPM_2	160	160	108	52	0
SIR_NOPR_2	121	121	38	82	1
SIR_NOPN_2	105	105	44	61	0

7.1 QCC Errors

Number of QCC reports with errors:

Total number of occurrences of each error											
Product Type RLO	BOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_NOPR_2	1	1	1	1							
Test Description Ke	Test Description Key:										
Abbreviation	Test na	ime		Details							
RLOBOPNCDF	RangeLa	atitudeOrBlankOP_	7NetCDF	Latitude should be between -90E7 and 90E7 - NetCDF							
RL	RangeLa	atitude_7		Latitude should be between -90E7 and 90E7							
RLOBOPNCDF	RangeLo	ongitudeOrBlankO	P_7NetCDF	Longitude should be between -180E7 and 180E7 - NetCDF							

7.2 QCC Warnings

Number of QCC report	s with warnings	1774					
			Total numb	er of occurrences of ea	ch warning		
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_NOPM1B	156	0	0	0	0	0	0
SIR_NOPM_2	0	0	39	41	1	39	0
SIR_NOPN1B	102	0	0	0	0	0	0
SIR_NOPN_2	0	0	13	33	6	25	25
SIR_NOPR1B	120	0	0	0	0	0	0
SIR_NOPR_2	0	1	26	43	0	38	32

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARN	CERPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	33	1	33	0	0	0	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	22	1	0	0	27	0	32
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	16	3	0	46	0	58	0
							•
Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	24	0	0	13	19	0	6
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	32	18	39	55	34
SIR_NOPR1B	0	0	0	0	0	0	0
SIR_NOPR_2	0	42	0	2	65	33	10
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_NOPM1B	0	0	0	1	0	0	0
SIR_NOPM_2	32	0	4	1	0	0	0
SIR_NOPN1B	0	0	0	0	0	45	0
SIR_NOPN_2	26	29	12	0	0	0	0
SIR_NOPR1B	0	0	0	0	0	121	7
SIR NOPR 2	37	49	2	0	4	0	0

BCSHNCDF InstGourterSteg28HAteCDF The burst sourter should be one higher with regard to the previous burst counter ICHHMCOR IdexCH1Hord20Hdbagong2UGPBange The mapping d2 D1 to 11 th measurements should be in the mapping 0 to (mumber of 114z amplies - 1) MVICEPPNCDF MasingValueInfDoeanExcludingPolarED2HetCDF The value should not be a missing value' for surface type 0 only for latitudes between 70 and 70 degrees MVICEPNCDF MasingValueInfDoeanExcludingPolarED2F The value should not be a missing value' for surface type 0 only for latitudes between 70 and 70 lognes RBSZOPDEFFNCDF RangBlackscatterSigmaZeexOPOceanExcludingPolarED2F The value should not be a missing value' for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 7500 (or missing) for surface type - coan for latitudes between 70 and 750 degrees RPEPOPFDELI	Test Description Key:						
NO-INH/OCR Interapping of 20 Hz to 1 Hz massurements should be in the array 0 to jumber of 1 Hz samples - 10 MUICEPINCDF Missing/ValueIntOceanExcluding/biteFD2MetCDF The value should not be a missing value' for surface type 0 only for latitudes between - 70 and 70 degrees MUICEPINCDF Missing/ValueIntOceanExcluding/biteFD2MetCDF The value should not be a missing value' for surface type 0 only for latitudes between - 70 and 70 degrees MUICEPINCDF Resing/ValueIntOceanExcluding/biteFD2MetCDF The backstart of grams are should be between - 70 and 70 degrees RBSZOPOEPFINCDF Resing/ValueIntOceanExcluding/biteFD2MetCDF The backstart of grams are should be between - 70 and 70 degrees RBSZOPOEPFINCDF Resing/Packstarts/gram.2xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Abbreviation	Test name	Details				
MUCEPENDACE Missing Value/IndoeanEx/udingPolar/PD2NetCDF The value should not be a "missing value" for surface type 0 only for latitudes between 70 and 70 degrees MUCEPENCEF Missing Value/IndoeanEx/udingPolar/PB2NetCDF The value should not be a "missing value" for surface type 0 only for latitudes between 70 and 70 degrees MUCOPE Missing Value/Indoean/NetCDF The value should not be a "missing value" for surface type 0 only for latitudes between 70 and 70 degrees MUCOPE Missing Value/Indoean/NetCDF The value should not be a "missing value" for surface type 0 only for latitudes between 70 and 70 degrees MUCOPE MissingValue/Indoean/NetCDF The value should not be a "missing value" for surface type 0 only for latitudes between 70 and 70 degrees MUCOPE MissingValue/Indoean/NetCDF The value should not be a "missing value" for surface type 0 only for latitudes between 70 and 70 degrees RBS2OPOEPROEP MangeBackscatterSigmaZeroOPCoeanExcludingPolar/HPCDF The backscatterSigmaZeroOPCoeanExcludingPolar/HPCDF RBPEOPPOLINNOCP MangeBeak/InsesExcludingPolar/HPCDF/IMMetCDF The savings abuild be between 70 and 70 degrees RPECOPFDELINNOCP MangeBeak/InsesExcludingPolar/HPCDF/IMMetCDF The Pasings should be between 70 and 70 degrees RPECOPFDELINNOCP MangeBeak/InsesExcludingPolar/HPCDF/IMMetCDF The Pasings should be between 70 and 70 degrees	BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
MUGEPNCDF MesingValueInt/Cosen/ExcludingPolar/NetCDF The value should not be a missing value for surface type 0 only for latitudes between 70 and 70 degrees MUGOPCF Resp@BackscatterSigmaZmoOPOcean/ExcludingPolar/DE/PLRMNetCDF The backscatter sigmaZmoOPOcean/ExcludingPolar/DE/PLRMNetCDF The backscatter sigmaZmoOPOcean/ExcludingPolar/DE/PLRMN	IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)				
MUNICINCDF MissingValueIntOcean/NetCDF The value should not be a missing value for surface type 0 only RBSZOPOEPFDNDF RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF The backscatter sigmaZeroOPOceanExcludingPolarFD2NetCDF The backscatter sigmaZeroOPOceanExcludingPolarFD2NetCDF The backscatter sigmaZeroOPOceanExcludingPolarFD2NetCDF The backscatter sigmaZeroOPOceanExcludingPolarFD2NEtRIMNetCDF The backscatter sigmaZeroOPOceanExcludingPolarFD2NEtRIMNetCDF The backscatter sigmaZeroOPOceanExcludingPolarFD2PLRIMNetCDF The backscatteroSigmaZeroOPOceanExcludingP	MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
RBSZOPOEPFDNCF RungeBackscatterSigmaZum0POceanExcludingPolarFD2NetCDF The backscatter sigma zmo should be between 700 and 7500 (or missing) for surface type - ocean for latitudes between 700 and 7500 (or missing) for surface type - ocean for latitudes between 700 and 7500 (or missing) for surface type - ocean for latitudes between 700 and 7500 (or missing) for surface type - ocean for latitudes between 700 and 7500 (or missing) for surface type - ocean for latitudes between 700 and 700 degrees RBSZOPOEPNCDF RangeNELPOceanTideOceanNetCDF The Non-equilibrium non period ocean loading tide height should be between 40mm and 40mm (or missing) for surface type - ocean for latitudes between 70 and 70 degrees RPEPOPFDLRMNCDF RangePeakinessExcludingPolarOFPD2LRMNetCDF The Peakiness should be between 70 and 70 degrees RPEPOPFDPLRMNCDF RangePeakinessExcludingPolarOFPD2LRMNetCDF The Peakines should be between 70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOFPD2LRMNetCDF The Peakines should be between 70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOFPD2LRMNSINNEtCDF The Peakiness should be between 70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOFPD2LRMNSINNEtCDF The Peakiness should be between 70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOFPD2SINNEtCDF The Peakiness should be between 70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOFPD2SINNEtCDF <td< td=""><td>MVIOEPNCDF</td><td>MissingValueIntOceanExcludingPolarNetCDF</td><td>The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees</td></td<>	MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
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	SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample				
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	SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter				

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0