

# **QA4EO Daily Report for NOP data:**

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

# IDEAS-QA4E0

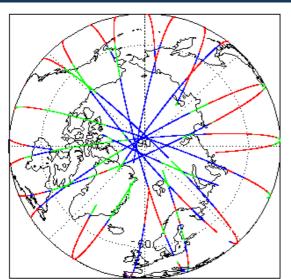
Panart Draduation	10 May 2022	Check	L1 & L2
Report Production:	19-May-2023	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CriveSet Oscen Breeseer	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Product Software Check	Nominal
Data Used:	Near 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

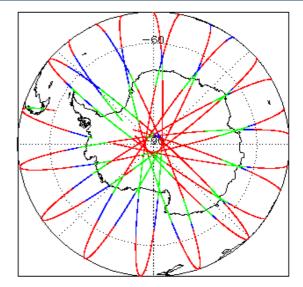
1. Overview

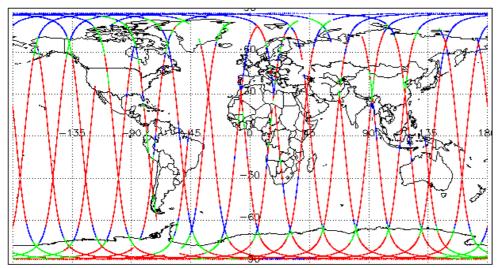
13-May-2023 None

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
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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				
NBS2/DPCPF/DICIP         RangeBacksatterSigmaZenoDPOceanExcludingPolarDP2PLRMNetCDF         Extense         The backscatter SigmaZenoDPOceanExcludingPolarDP2PLRMNetCDF         Extense         The backscatter SigmaZenoDPOceanExcludingPolarDP2PLRMNetCDF         Extense         The backscatter SigmaZenoDPOceanExcludingPolarDP2PLRMNetCDF         Extense         The backscatter SigmaZenoDPOceanExcludingPolarDP2PLRMNetCDF         The Pearlines should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 70 dogrees           RPEPOPFDPLRMSRN         RangePeakinessExcludingPolarDP2PLRMSRNNetCDF         The Pearlines should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between 70 and 70 dogrees           RPEPOPFDPLMSRN         RangePeakinessExcludingPolarDP7D2LRMSINNetCDF         The Pearlines should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between 70 and 70 dogrees           RPEPOPFDRSRNCDF         RangePeakinessExcludingPolarDP7D2SANNetCDF         The Pearlines should be between 0 and 5500 (or missing) for surface type = ocean for latitudes between 70 and 70 dogrees           RPEPOPFDRSRNCDF         RangePeakinessExcludingPolarDP7D2SANNetCDF         The Pearlines should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between 70 and 70 dogrees           RPEPOPFDRINNCDF <td< td=""><td>MVIONCDF</td><td>MissingValueIntOceanNetCDF</td><td>The value should not be a 'missing value' for surface type 0 only</td></td<>	MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				
NCDE         HangleSackatersignaZeroOPCoearExcludingPolarMCDCF         between         70 and 70 degrees           RBSZOPOEPNCDF         RangeBackscatterSignaZeroOPCoearExcludingPolarNetCDF         The Non-equilibrium long period ocean loading lide height should be between - 40 and 7500 (or missing) for surface type = ocean for latitudes between           RPEPOFEDLRIMNCDF         RangePeakinessExcludingPolarOFFD2LRIMSREDCF         The Non-equilibrium long period ocean loading lide height should be between - 40 and 7400 (or missing) for surface type = ocean for latitudes between - 70 and 70 degrees           RPEPOFEDLRIMSRE         RangePeakinessExcludingPolarOFFD2PLRIMSRNetCDF         The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between - 70 and 70 degrees           RPEPOFEDRIMSDF         RangePeakinessExcludingPolarOFFD2PLRIMSINNetCDF         The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between - 70 and 70 degrees           RPEPOFEDRINCDF         RangePeakinessExcludingPolarOFFD2PLRIMSINNetCDF         The Peakiness should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between - 70 and 70 degrees           RPEPOFEDRINCDF         RangePeakinessExcludingPolarOFFD2SINNetCDF         The Peakiness should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between - 70 and 70 degrees           RPEPOFEDRINCDF         RangePeakinessExcludingPolarOFFD2SINNetCDF         The Peakiness should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between - 70 and 70 degrees	RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
Instactor         Images assessing signification of commission of a surface type - ocean         Images assessing signification of a surface type - ocean           RNELPOTONCDF         RangeNELPOceanTideOceanNetCDF         The Rohn-equilibrium long 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         RangePeakinessExcludingPolarOPFD2LRMNetCDF         The Peakiness should be between 0 and 6400 (or missing) for surface type - ocean for latitudes between - 70 and 70 degrees           RPEPOPFDLRMNCDF         RangePeakinessExcludingPolarOPFD2PLRMSINN         RangePeakinessExcludingPolarOPFD2PLRMSINN         RangePeakinessExcludingPolarOPFD2PLRMSINNECDF         The Peakiness should be between 0 and 90000 (or missing) for surface type - ocean for latitudes between - 70 and 70 degrees           RPEPOPFDSINNCDF         RangePeakinessExcludingPolarOPFD2SARNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type - ocean for latitudes between - 70 and 70 degrees           RPEPOPFDSINNCDF         RangePeakinessExcludingPolarOPFD2SINNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type - ocean for latitudes between - 70 and 70 degrees           RPEPOPFDSINNCDF         RangePeakinessExcludingPolarOPERNNetCDF         The Peakiness should be between 0 and 90000 (or missing) for surface type - ocean for latitudes between - 70 and 70 degrees           RPEPOPSINNCDF         RangePeakinessExcludingPolarOPERNNetCDF         The Peakinness should be between 0 and 90000 (or missing) f	RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
INITELPOINNELP         ImageNetProcess         Surface type a cean         <	RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
InterCoPDELENINGUD       and 70 degrees         REPEOPEDLENINGS       RangePeakinessExcludingPolarOPED2PLENINARARNECDF       The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RPEPOPEDENINCDF       RangePeakinessExcludingPolarOPED2LRINSINECDF       The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RPEPOPEDSARNCDF       RangePeakinessExcludingPolarOPED2RINNECDF       The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RPEPOPEDSINNCDF       RangePeakinessExcludingPolarOPED2SARNetCDF       The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RPEPOPEDSINNCDF       RangePeakinessExcludingPolarOPED2NNetCDF       The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RPEPOPEDSINNCDF       RangePeakinessExcludingPolarOPEARNetCDF       The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RPEPOPSINNCDF       RangePeakinessExcludingPolarOPEARNetCDF       The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RSSECONCDF       RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF       The sea state bias correction should be between -300mm and 3000mm (or missing) for surface type = ocean for latitudes between -70	RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean				
NCDFHangereakinessExcludingrolai/OP1202/LMMSARMetCDFand 70 degreesK to the the the presence of the transmitted of	RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF					
CDF     nangereakinessexuoungPolar/DPEDERINSININCDP     and 70 degrees       RPEPOPFDSARNCDF     RangePeakinessExcludingPolar/OPFD2SARNe(CDF     The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees       RPEPOPFDSINNCDF     RangePeakinessExcludingPolar/OPFD2SINNetCDF     The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees       RPEPOPLRMNCDF     RangePeakinessExcludingPolar/OPFD2SINNetCDF     The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees       RPEPOPSINNCDF     RangePeakinessExcludingPolar/OPSINNetCDF     The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees       RPEPOPSINNCDF     RangePeakinessExcludingPolar/OPSINNetCDF     The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees       RSSBCONCDF     RangePeakinessExcludingPolar/OPSINNetCDF     The Peakiness should be between - 3000mm and 90000 (or missing) for surface type = ocean       RSSHAOFDNCDF     RangeSeasurfaceHeightAnomalyOceanFD3NetCDF     The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean       RSSHAOFDPLFINNCPF     RangeSeasurfaceHeightAnomalyOceanFD3PLRNNetCDF     The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean       RSSHAOFDPLFINNCPF     RangeSignificantWaveHeighOceanExcludingPolar/DPLRNNetCDF     The	RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF					
HPEPOPTDSARNOD       HangereakinessExcludingPolarOPTDSARNetOP       and 70 degrees       the training of training of training of the training of training of training of the training of tra	RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF					
REFERENCE         Name         Nam         Name         Name	RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF					
RPEPOPLININCUP       RangePeakinessExcludingPolarOPSARNetCDF       and 70 degrees         RPEPOPSARNCDF       RangePeakinessExcludingPolarOPSARNetCDF       The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RPEPOPSINNCDF       RangePeakinessExcludingPolarOPSINNetCDF       The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RSSBCONCDF       RangeSeaSuteBiasCorrectionOceanNetCDF       The sea state bias correction should be between -3000mm and 3000mm (or missing) for surface type = ocean         RSSHAOFDNCDF       RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean         RSSHAOFDPLRMNCD       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean         RSSHAONCDF       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean         RSSHAONCDF       RangeSeaSurfaceHeightAnomalyOceanFD3PLERDE       The significant wave height should be between -3000mm and 15000mm (or missing) for surface type = ocean         RSWHOEPFDNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF					
HargePeakIndSEX       HargePeakIndSEX       HargePeakIndSEX       And 70 degrees         RPEPOPSINNCDF       RangePeakinessExcludingPolarOPSINNetCDF       The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RSSBCONCDF       RangeSeaStateBiasCorrectionOceanNetCDF       The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean         RSSHAOFDNCDF       RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean         RSSHAONCDF       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean         RSSHAONCDF       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean         RSWHOEPFDNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RSWHOEPFDPLRMCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RSWHOEPFDPLRMCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing)	RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF					
HTEPOTSINNCOPRangePeakIntessExcludingPolarOPSinNetCDPand 70 degreesRSSBCONCDFRangeSeaStateBiasCorrectionOceanNetCDFThe sea state bias correction should be between -500mm and 0mm (or missing) for surface type = oceanRSSHAOFDNCDFRangeSeaSurfaceHeightAnomalyOceanFD3NetCDFThe sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = oceanRSSHAOFDPLRMNCDRangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDFThe sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = oceanRSSHAONCDFRangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDFThe sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = oceanRSSHAONCDFRangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDFThe sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = oceanRSWHOEPFDNCDFRangeSignificantWaveHeightOceanExcludingPolarFD2NetCDFThe significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degreesRSWHOEPNCDFRangeSignificantWaveHeightOceanExcludingPolarFD2NEtRMNetCDFThe significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degreesRSWHOEPNCDFRangeSignificantWaveHeightOceanExcludingPolarNetCDFThe significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degreesRSWHOEPNCDFRangeSignificantWaveHeightOceanExcludingPolarNetCDFThe significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF					
RSSHAOFDNCDF       RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type =         RSSHAOFDPLRMNCD       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type =         RSSHAONCDF       RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type =         RSSHAONCDF       RangeSeaSurfaceHeightAnomalyOceanExcludingPolarFD2PLRMNetCDF       The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type =         RSWHOEPFDNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RSWHOEPFNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RSWHOEPNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         SPHRTASCNSNCDF       SPH_Rel_Time_ASC_Node_Start_v2_NetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         SOOHHIFHD	RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF					
RSSHAOFDNCDF       HangeseaSurfaceHeightAnomalyOceanFD3PLRMNetCDF       ocean       ocean <thocean< th="">       ocean       <thocean< th=""></thocean<></thocean<>	RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean				
F       HangeSeaSuffaceHeightAnomalyOceanHDDPLHMINetCDF       ocean       ocean <thocean< th=""> <thocean< th=""> <thocean< th="">       ocean&lt;</thocean<></thocean<></thocean<>	RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF					
RASERACINCUSP       RangeSeaSufraceHeightAndinaryOceanINetCDF       ocean         RSWHOEPFDNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RSWHOEPFDPLRMNC DF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RSWHOEPNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RSWHOEPNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         SPHRTASCNSNCDF       SPH_Rel_Time_ASC_Node_Start_v2_NetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         SOOHHIFHD       SameOrOneHigher1HzIndexFor2OHzData       The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample         SCSTODHRNCDF       SequenceCounterStepTODHRNetCDF       The sequence counter should be modulo 4 higher with regard to the previous sequence counter	RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF					
RSWH0EPFDNCDF       HargesignificantWaveHeightOceanExcludingPolarFD2NEtCDF       latitudes between -70 and 70 degrees         RSWH0EPFDPLRMNC DF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         RSWH0EPNCDF       RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF       The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees         SPHRTASCNSNCDF       SPH_Rel_Time_ASC_Node_Start_v2_NetCDF       Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)         SOOHHIFHD       SameOrOneHigher1HzIndexFor20HzData       The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample         SCSTODHRNCDF       SequenceCounterStepTODHRNetCDF       The sequence counter should be modulo 4 higher with regard to the previous sequence counter	RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF					
DF       HangeSignificantWaveHeightOceanExcludingPolar/D2PLHMNetCDF       latitudes between -70 and 70 degrees       or the second transmission of transmiteres of transmissing transmission of transmi	RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF					
RSWHOEPNODF       HangeSignificant/WaveHeightOceantexcludingPolarivetCDP       Iatitudes between -70 and 70 degrees         SPHRTASCNSNCDF       SPH_Rel_Time_ASC_Node_Start_v2_NetCDF       Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)         SOOHHIFHD       SameOrOneHigher1HzIndexFor20HzData       The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample         SCSTODHRNCDF       SequenceCounterStepTODHRNetCDF       The sequence counter should be modulo 4 higher with regard to the previous sequence counter	RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF					
SOOHHIFHD       SameOrOneHigher1HzIndexFor20HzData       The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample         SCSTODHRNCDF       SequenceCounterStepTODHRNetCDF       The sequence counter should be modulo 4 higher with regard to the previous sequence counter	RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF					
SCSTODHRNCDF       SequenceCounterStepTODHRNetCDF       The sequence counter should be modulo 4 higher with regard to the previous sequence counter	SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)				
	SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample				
SCSTODNCDF SequenceCounterStepTODNetCDF The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter	SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter				
	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