



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

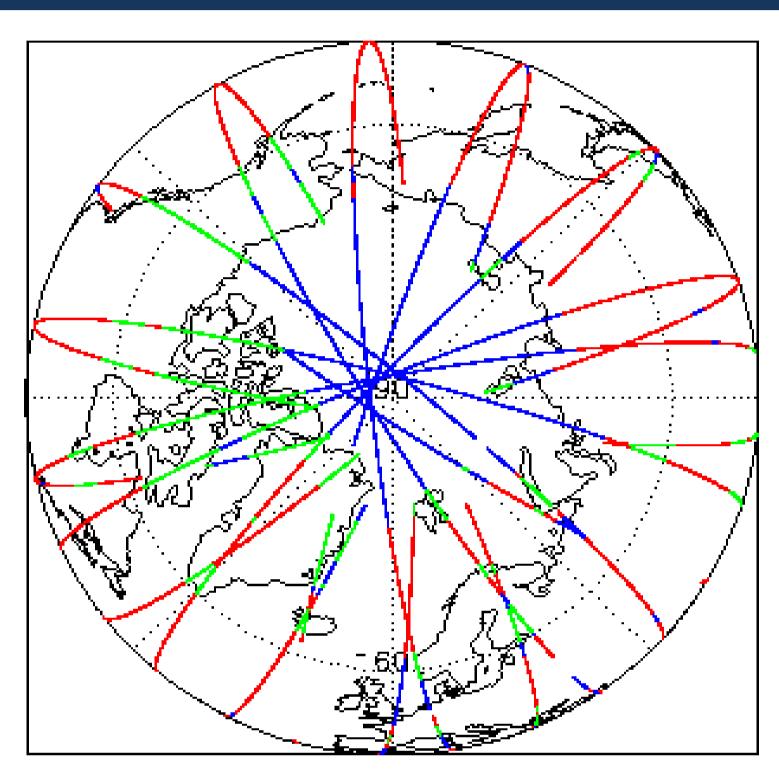
# 1. Overview

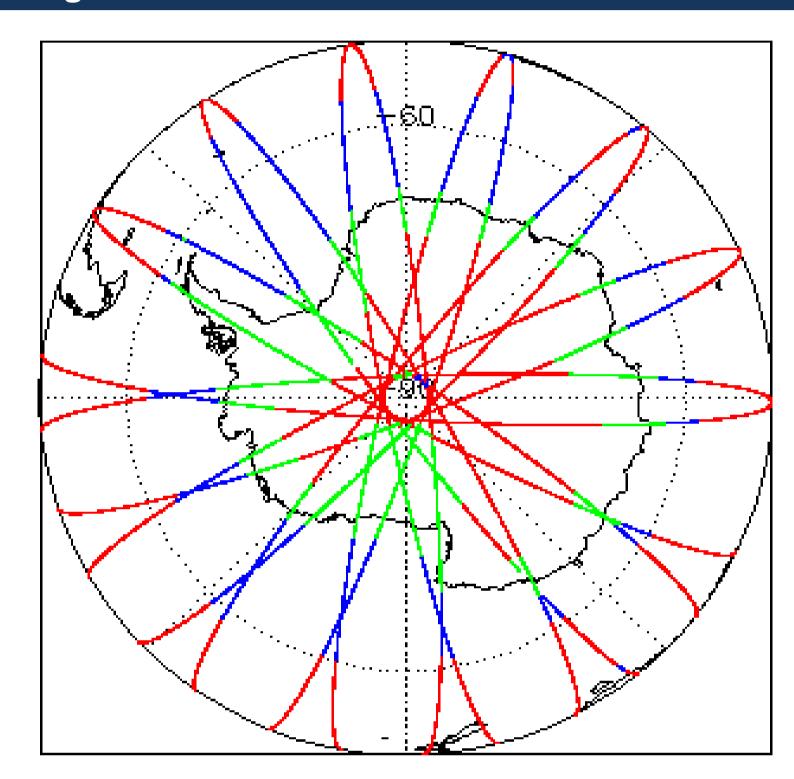
Report Production:	21-Oct-2022
Processor Used:	CryoSat Ocean Processor
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data

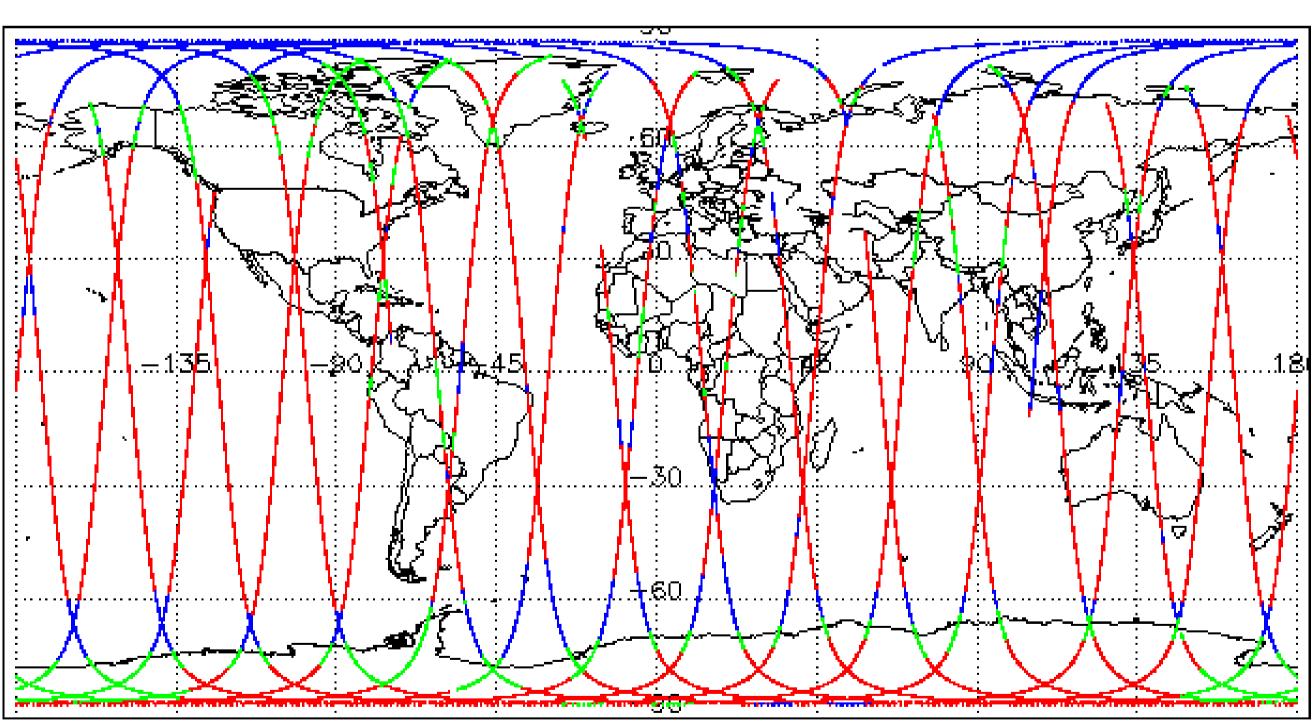
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7
QCC Error/ Warning Check	See Section 7.1, 7.2

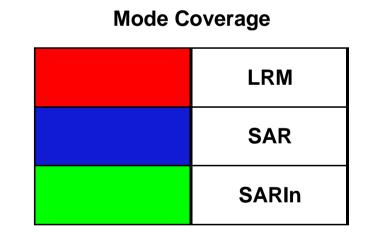
Mi	Mission / Instrument News		
•	19-Oct-2022	None	
2	20-Oct-2022	None	
2	21-Oct-2022	Nothing planned	

# 2. Global Coverage









# 3. Instrument Configuration

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

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

# 4. NOP Level 1B Data Quality Check

# 4.1 L1B Product Format Check

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

#### **4.2 L1B Product Header Analysis**

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

> L1B Processing Quality HR: The 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 OSARIn chains. A modification is required in the next release.

Number of products with errors:

#### 4.3 L1B Auxilary Data File Usage Check

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

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

Number of products with errors:

#### **4.4 L1B Auxiliary Correction Error Check**

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

0

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Number of products with errors:

#### 4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. The attitude correction is not actually missing, This is being investigated and will be updated in the next SW update.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20221020T120827_20221020T121131_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20221020T134537_20221020T135357_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors: 20

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20221020T082452_20221020T083121_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20221020T095401_20221020T100309_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20221020T121148_20221020T121536_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20221020T121659_20221020T122234_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20221020T185504_20221020T191617_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20221020T230813_20221020T232427_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221020T053357_20221020T053556_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221020T101943_20221020T102103_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221020T102510_20221020T102627_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221020T110011_20221020T110551_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221020T182541_20221020T182649_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221020T200801_20221020T201011_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221020T232555_20221020T232705_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221020T232709_20221020T232721_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20221020T232808_20221020T233020_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20221020T015856_20221020T020749_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20221020T073932_20221020T074355_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20221020T210757_20221020T211415_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20221020T224635_20221020T225029_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20221020T233020_20221020T233707_C001	Loss of Echo	The tracking echo is missing for one or more records

### 5. NOP Level 2 Data Quality Check

### **5.1 L2 Product Format Check**

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a 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: 0

# 5.3 L2 Auxiliary Data File Usage Check

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

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

0

Number of products with errors:

### **5.4 L2 Auxiliary Correction Error Check**

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20221020T020749_20221020T020852_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPM_2_20221020T132950_20221020T133045_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_NOPM_2_20221020T163626_20221020T163855_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPM_2_20221020T221942_20221020T223421_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_20221020T001521_20221020T002033_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20221020T010506_20221020T010756_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_20221020T011418_20221020T011721_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_20221020T015512_20221020T015743_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_20221020T015743_20221020T015856_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_20221020T033031_20221020T033549_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_20221020T060410_20221020T060535_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_20221020T061054_20221020T061400_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_20221020T074355_20221020T074652_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_20221020T074955_20221020T075332_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_20221020T084531_20221020T084615_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_20221020T092434_20221020T092659_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_20221020T101943_20221020T102103_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_20221020T110011_20221020T110551_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_20221020T115419_20221020T115506_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_20221020T115916_20221020T120126_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_20221020T124159_20221020T124336_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_20221020T125224_20221020T125431_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_20221020T133830_20221020T134316_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_20221020T143016_20221020T143240_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_20221020T160112_20221020T160505_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	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_20221020T165142_20221020T165238_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_20221020T174059_20221020T174412_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_20221020T191831_20221020T192249_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_20221020T192830_20221020T192952_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_20221020T200801_20221020T201011_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_20221020T210610_20221020T210756_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_20221020T215012_20221020T215104_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_20221020T224413_20221020T224635_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_20221020T232555_20221020T232705_C001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with 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_20221020T232808_20221020T233020_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPR_2_20221020T002033_20221020T002744_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPR_2_20221020T015856_20221020T020749_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_20221020T033550_20221020T034327_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_20221020T151326_20221020T151900_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_20221020T164147_20221020T164324_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_20221020T164646_20221020T164655_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_20221020T165239_20221020T170029_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_20221020T183101_20221020T183958_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_20221020T201209_20221020T201921_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_20221020T215105_20221020T215645_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_20221020T233020_20221020T233707_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_20221020T235054_20221020T235920_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

## 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20221020T120827_20221020T121131_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20221020T134537_20221020T135357_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

# 5.6 L2 Measurement Quality Flag Check

### L2 Quality Flags (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.

**Number of products with errors:** 

CS_OFFL_SIR_NOPM_2_20221020T000034_20221020T000311_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and Backscatter Quality an	Backscatter Quality Flags
	r Quality Flags have been
Altimeter Range and Backscatter Quality set for one or more records	
CS_OFFL_SIR_NOPM_2_20221020T001309_20221020T001521_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality set for one or more records	, ,
CS_OFFL_SIR_NOPM_2_20221020T004220_20221020T004535_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records	
CS_OFFL_SIR_NOPM_2_20221020T004728_20221020T010329_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  Set for one or more records	
CS_OFFL_SIR_NOPM_2_20221020T010757_20221020T011210_C001  OCOG Altimeter Range Quality, OCOG for one or more records  The OCOG Altimeter Range and Backscatter Quality	uality Flags have been set
CS_OFFL_SIR_NOPM_2_20221020T011231_20221020T011418_C001  OCOG Altimeter Range Quality, OCOG for one or more records  The OCOG Altimeter Range and Backscatter Quality	uality Flags have been set
CS_OFFL_SIR_NOPM_2_20221020T011941_20221020T015308_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records	
CS_OFFL_SIR_NOPM_2_20221020T021015_20221020T021450_C001  OCOG Altimeter Range Quality, OCOG for one or more records  The OCOG Altimeter Range and Backscatter Quality	uality Flags have been set
CS_OFFL_SIR_NOPM_2_20221020T021902_20221020T024235_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  Set for one or more records	, ,
CS_OFFL_SIR_NOPM_2_20221020T024601_20221020T025125_C001  OCOG Altimeter Range Quality, OCOG for one or more records  The OCOG Altimeter Range and Backscatter Quality	uality Flags have been set
CS_OFFL_SIR_NOPM_2_20221020T025845_20221020T033031_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records	, ,
CS_OFFL_SIR_NOPM_2_20221020T034449_20221020T034509_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  Altimeter Range and Backscatter Quality  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality set for one or more records	
CS_OFFL_SIR_NOPM_2_20221020T034637_20221020T034652_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records	•
CS_OFFL_SIR_NOPM_2_20221020T034755_20221020T035309_C001  OCOG Altimeter Range Quality, OCOG for one or more records  The OCOG Altimeter Range and Backscatter Quality	uality Flags have been set
CS_OFFL_SIR_NOPM_2_20221020T035358_20221020T035545_C001  OCOG Altimeter Range Quality, OCOG for one or more records  The OCOG Altimeter Range and Backscatter Quality	uality Flags have been set
CS_OFFL_SIR_NOPM_2_20221020T035547_20221020T041633_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality set for one or more records	
CS_OFFL_SIR_NOPM_2_20221020T041747_20221020T042156_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records	
CS_OFFL_SIR_NOPM_2_20221020T042557_20221020T043404_C001  OCOG Altimeter Range Quality, OCOG for one or more records  The OCOG Altimeter Range and Backscatter Quality	uality Flags have been set
CS_OFFL_SIR_NOPM_2_20221020T043937_20221020T051131_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records	,
CS_OFFL_SIR_NOPM_2_20221020T052346_20221020T052545_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  Altimeter Range and Backscatter Quality  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality set for one or more records	
CS_OFFL_SIR_NOPM_2_20221020T055458_20221020T055958_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records	, ,
CS_OFFL_SIR_NOPM_2_20221020T060536_20221020T061053_C001  OCOG Altimeter Range Quality, OCOG for one or more records  The OCOG Altimeter Range and Backscatter Quality	uality Flags have been set
CS_OFFL_SIR_NOPM_2_20221020T061812_20221020T063905_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records	, ,
CS_OFFL_SIR_NOPM_2_20221020T064151_20221020T065332_C001  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records	,
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records	, ,

Count   Bit   NOW 2 22 PR 27	CS_OFFL_SIR_NOPM_2_20221020T072317_20221020T072759_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
Set District County of the COLOR of Homes Grapp and Secretaria Swap (Lings Provide to Same Secretary County of the Color of Homes Grapp and Secretaria Swap (Lings Provide to Same Secretary County of the Color of Homes Grapp and Secretaria Swap (Lings Provide to Same Secretary County of the Color of Homes Grapp and Secretaria Swap (Lings Provide to Same Secretary County of the Color of Homes Grapp and Secretaria County (Lings Provide to Same Secretary County of the Color of Homes Grapp and Secretaria County (Lings Provide to Same Secretary County of the Color of Homes Grapp and Secretaria County (Lings Provide to Same Secretary County (Lin	CS_OFFL_SIR_NOPM_2_20221020T072947_20221020T073931_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
26 OFF, SR VCPM 2 0221307130404 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120130 OC 26 OFF, SR VCPM 2 022130713040 5 2221207120100 OC 26 OFF, SR VCPM 2 022130713040 5 222120711000 OC 26 OFF, SR VCPM 2 022130713040 5 222120711000 OC 26 OFF, SR VCPM 2 022130713040 7 222120711000 OC 26 OFF, SR VCPM 2 022130713040 7 222120711000 OC 26 OFF, SR VCPM 2 022130713040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2 022130711040 7 222120711000 OC 26 OFF, SR VCPM 2	CS_OFFL_SIR_NOPM_2_20221020T075710_20221020T082312_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
So CPEL SIR NOPA 2 2021007703094 (20170703091) ONI  All his All has a manufacture of College (2017) All his and Page and Phasesome (2017) All his	CS_OFFL_SIR_NOPM_2_20221020T082452_20221020T083121_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Col. OFFL. SRI, NO-PV. 2. 2021 EXCT 103141_3022 V001125500 C0314   Col. A Rinder's -Stage, Quality - COSD	CS_OFFL_SIR_NOPM_2_20221020T084615_20221020T085310_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Description (Calify)  Cet. OFFL SR NORAL 2 2022 (007103156) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103156) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103156) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103156) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103156) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103156) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103156) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103156) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103156) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103156) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103156) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103156) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103164) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103164) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103164) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103164) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103164) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103164) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103164) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103164) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103164) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007103164) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007102164) 2022 0027108063 (2001)  Cet. OFFL SR NORAL 2 2022 (007102164) 2022 00271108061 (2001)  Cet. OFFL SR NORAL 2 2022 (007102164) 2022 00271108061 (2001)  Cet. OFFL SR NORAL 2 2022 (007102164) 2022 00271108061 (2001)  Cet. OFFL SR NORAL 2 2022 (007102164) 2022 00271108061 (2001)  Cet. OFFL SR NORAL 2 2022 (007102164) 2022 00271108061 (2001)  Cet. OFFL SR NORAL 2 2022 (007102164) 2022 00271108061 (2001)  Cet. OFFL SR NORAL 2 2022 (007102164) 2022 00271108061 (2001)  Cet. OFFL SR NORAL 2 2022 (007102164) 2022 00271108061 (2001)  Cet. OFFL SR NORAL 2 2022 (007102164) 2022 00271108061 (2001)  Cet. OFFL SR NORAL 2 2022 (0071	CS_OFFL_SIR_NOPM_2_20221020T085324_20221020T091733_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Re-accounter Causity   Security	CS_OFFL_SIR_NOPM_2_20221020T092708_20221020T092902_C001		
CS_OFFL_SIR_NOPW_2_202210007109152_00007109521_CO07  and backscale Custle, Cook Alterest France and Sedescale C	CS_OFFL_SIR_NOPM_2_20221020T093135_20221020T093346_C001	•	·
and secondaried quality, CCCC Affection Rings and Secondaried Quality Flags have been and secondaried Quality Flags have been and process of the CCCC Affection Rings and Secondaried Quality Flags have been and process of the CCCC Affection Rings and Secondaried Quality Flags have been and process of the CCCC Affection Rings and Research Quality Flags have been and process of the CCCC Affection Rings and Research Quality Flags have been and Research Rings and Research Quality Flags have been and Research Rings and Research Quality Flags have been and Research Rings and Research Quality Flags have been and Research Rings and Research Quality Flags have been and Research Rings and Research Quality Flags have been and Research Rings and Research Quality Flags have been and Research Rings and Research Quality Flags have been and Research Rings and Research Quality Flags have been and Research Rings and Research Quality Flags have been and Research Rings and Research Quality Flags have been and Research Rings Affecting Rings Rin	CS_OFFL_SIR_NOPM_2_20221020T093630_20221020T094058_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and flackscatter Quality, QCOG All meter Range and Selectater Quality Flags have been set for one or non-records All meter Range and Selectater Quality Flags Flags Flags All meter Range and Selectater Quality Flags F	CS_OFFL_SIR_NOPM_2_20221020T094151_20221020T095210_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backcaster Quality, COCG Altimeter Range Quality, OCG SOFFL_SIR_NOPM_2_20221000T102104_20221000T102519_COCI  CS_OFFL_SIR_NOPM_2_20221000T102104_20221000T102519_COCI  CS_OFFL_SIR_NOPM_2_20221000T102007_20221000T102519_COCI  CS_OFFL_SIR_NOPM_2_20221000T102007_20221000T102519_COCI  CS_OFFL_SIR_NOPM_2_20221000T102007_20221000T102007_COCI  Altimeter Range Quality, OCGG Altimeter Range Quality, OCGG Altimeter Range Altimeter Range, SSHA, SWH and Backcaster Quality Flags have been set for one or none records  CS_OFFL_SIR_NOPM_2_20221000T102007_COCID-10942_COCI  CS_OFFL_SIR_NOPM_2_20221000T102007_COCID-10942_COCID-	CS_OFFL_SIR_NOPM_2_20221020T095223_20221020T095325_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Sackstaater Quality  CS_OFFL_SIR_NOPM_2_20221020T102627_20221020T104660_C001  Altereder Range, SSHA, SWH and Backstaater Quality Flags have been and Backstaater Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T104628_20221020T10640C_C001  Altereder Range, SSHA, SWH and Backstaater Quality Flags have been and Backstaater Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T10686_20221020T10689 C001  CS_OFFL_SIR_NOPM_2_20221020T110686_20221020T110690 C001  CS_OFFL_SIR_NOPM_2_20221020T110686_20221020T112064_C001  CS_OFFL_SIR_NOPM_2_20221020T1110686_20221020T112064_C001  CS_OFFL_SIR_NOPM_2_20221020T1110686_20221020T112064_C001  CS_OFFL_SIR_NOPM_2_20221020T1110686_20221020T112064_C001  CS_OFFL_SIR_NOPM_2_20221020T1110686_20221020T112064_C001  CS_OFFL_SIR_NOPM_2_20221020T1110686_20221020T112064_C001  CS_OFFL_SIR_NOPM_2_20221020T1110686_20221020T112064_C001  CS_OFFL_SIR_NOPM_2_20221020T1110686_20221020T112068_C001  CS_OFFL_SIR_NOPM_2_20221020T1110686_20221020T112068_C001  CS_OFFL_SIR_NOPM_2_20221020T1110686_20221020T112068_C001  CS_OFFL_SIR_NOPM_2_20221020T1210686_20221020T112068_C001  CS_OFFL_SIR_NOPM_2_20221020T1210686_20221020T12068_C001  CS_OFFL_SIR_NOPM_2_20221020T1210686_20221020T12068_C001  CS_OFFL_SIR_NOPM_2_20221020T1210686_20221020T12068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T12068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T12068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T12068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T12068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T13068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T13068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T13068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T13068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T13068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T13068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T13068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T13068_C001  CS_OFFL_SIR_NOPM_2_20221020T120666_20221020T130	CS_OFFL_SIR_NOPM_2_20221020T095401_20221020T100309_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality. Plags have been at the OCGO Altimeter Range and Backscatter Quality. Plags have been at the OCGO Altimeter Range and Backscatter Quality. Plags have been at the OCGO Altimeter Range and Backscatter Quality. Plags have been at the OCGO Altimeter Range and Backscatter Quality. Plags have been at the OCGO Altimeter Range and Backscatter Quality. Plags have been set for one or none records.  CS_OFFL_SIR_NOPM_2_20221020T110511_20221020T110519_C001  CS_OFFL_SIR_NOPM_2_20221020T110614_20221020T111310_C001  CS_OFFL_SIR_NOPM_2_20221020T1110614_20221020T111310_C001  CS_OFFL_SIR_NOPM_2_20221020T1110614_20221020T111254_C001  CS_OFFL_SIR_NOPM_2_20221020T1110614_20221020T111254_C001  CS_OFFL_SIR_NOPM_2_20221020T1110614_20221020T111254_C001  CS_OFFL_SIR_NOPM_2_20221020T1110614_20221020T1112554_C001  CS_OFFL_SIR_NOPM_2_20221020T1110614_20221020T1112554_C001  CS_OFFL_SIR_NOPM_2_20221020T1110614_20221020T1112556_C001  CS_OFFL_SIR_NOPM_2_20221020T121110614_20221020T1112556_C001  CS_OFFL_SIR_NOPM_2_20221020T12110616_2021020T112556_C001  CS_OFFL_SIR_NOPM_2_20221020T12110616_2021020T112556_C001  CS_OFFL_SIR_NOPM_2_20221020T12110616_2021020T122234_C001  CS_OFFL_SIR_NOPM_2_20221020T12110666_2021020T122234_C001  CS_OFFL_SIR_NOPM_2_20221020T1213360_20221020T122234_C001  CS_OFFL_SIR_NOPM_2_20221020T124338_20221020T122234_C001  CS_OFFL_SIR_NOPM_2_20221020T124338_20221020T125224_C001  CS_OFFL_SIR_NOPM_2_20221020T124338_20221020T125234_C001  CS_OFFL_SIR_NOPM_2_20221020T124338_20221020T125234_C001  CS_OFFL_SIR_NOPM_2_20221020T124338_20221020T132666_C001  CS_OFFL_SIR_NOPM_2_20221020T124338_20221020T132666_C001  CS_OFFL_SIR_NOPM_2_20221020T124338_20221020T132666_C001  CS_OFFL_SIR_NOPM_2_20221020T124338_20221020T132666_C001  CS_OFFL_SIR_NOPM_2_20221020T124338_20221020T132666_C001  CS_OFFL_SIR_NOPM_2_20221020T124338_20221020T132666_C001  CS_OFFL_SIR_NOPM_2_20221020T124338_20221020T132666_C001  CS_OFFL_SIR_NOPM_2_20221020T124338_20221020T132666_C001  CS_OFFL_SIR_NOPM_2_20221020T132666_C001  CS_OFFL_SIR_NOPM_2_20221020T132	CS_OFFL_SIR_NOPM_2_20221020T102104_20221020T102510_C001		, ,
and Backscatter Quality, CDCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS OFFL SIR NOPM 2 20221020T110551 20221020T110819.C001  CS OFFL SIR NOPM 2 20221020T110551 20221020T110819.C001  CS OFFL SIR NOPM 2 20221020T110551 20221020T111310.C001  CS OFFL SIR NOPM 2 20221020T110551 20221020T111310.C001  CS OFFL SIR NOPM 2 20221020T111310.C001  CS OFFL SIR NOPM 2 20221020T111310.C001  CS OFFL SIR NOPM 2 20221020T111314 20221020T112554.C001  CS OFFL SIR NOPM 2 20221020T111314 20221020T112556.C001  CS OFFL SIR NOPM 2 20221020T111314 20221020T112556.C001  CS OFFL SIR NOPM 2 20221020T112148 20221020T112556.C001  CS OFFL SIR NOPM 2 20221020T112148 20221020T112536.C001  CS OFFL SIR NOPM 2 20221020T121148 20221020T112556.C001  CS OFFL SIR NOPM 2 20221020T121148 20221020T12234.C001  CS OFFL SIR NOPM 2 20221020T121148 20221020T12556.C001  CS OFFL SIR NOPM 2 20221020T121556.C001  CS OFFL SIR NOPM 2 20221020T12555.C002100T125341.C001  CS OFFL SIR NOPM 2 20221020T12555.C002100T12524.C001  CS OFFL SIR NOPM 2 20221020T12555.C002100T13556.C001  CS OFFL SIR NOPM 2 20221020T125555.C002100T13556.C001  CS OFFL SIR NOP	CS_OFFL_SIR_NOPM_2_20221020T102627_20221020T104050_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS OFFL SIR NOPM 2 20221020T110846 20221020T111310 C001  CS OFFL SIR NOPM 2 20221020T110846 20221020T112984_C001  CS OFFL SIR NOPM 2 20221020T111811 20221020T112984_C001  CS OFFL SIR NOPM 2 20221020T113134_20221020T112984_C001  CS OFFL SIR NOPM 2 20221020T113134_20221020T112984_C001  CS OFFL SIR NOPM 2 20221020T113134_20221020T1121536_C001  CS OFFL SIR NOPM 2 20221020T121189 20221020T121234 C001  CS OFFL SIR NOPM 2 20221020T121389 20221020T122234_C001  CS OFFL SIR NOPM 2 20221020T122342 20221020T122341 C001  CS OFFL SIR NOPM 2 20221020T122342 20221020T123941 C001  CS OFFL SIR NOPM 2 20221020T123342 20221020T123345 C001  CS OFFL SIR NOPM 2 20221020T123348 20221020T123244 C001  CS OFFL SIR NOPM 2 20221020T123348 20221020T123244 C001  CS OFFL SIR NOPM 2 20221020T123348 20221020T123244 C001  CS OFFL SIR NOPM 2 20221020T123348 2022102T123341 C001  CS OFFL SIR NOPM 2 20221020T123348 2022102T123341 C001  CS OFFL SIR NOPM 2 20221020T123348 2022102T123345 C001  CS OFFL SIR NOPM 2 20221020T123345 2022102T133659_C001  CS OFFL SIR NOPM 2 20221020T133659_C001  CO Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS OFFL SIR NOPM 2 20221020T133659_C001  CS OFFL SIR NOPM 2 20221020T136590_C002T133659_C001  CS OFFL SIR NOPM 2 20221020T136590_C002T133659_C001  CS OFFL SIR NOPM 2 20221020T136590_C001  CS OFFL SIR NOPM 2 20221020T136590_C002T136590_C001	CS_OFFL_SIR_NOPM_2_20221020T104828_20221020T105942_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20221020T111611_20221020T112954_C001  CS_OFFL_SIR_NOPM_2_20221020T113134_20221020T112954_C001  CS_OFFL_SIR_NOPM_2_20221020T113134_20221020T114651_C001  CS_OFFL_SIR_NOPM_2_20221020T121148_20221020T12556_C001  CS_OFFL_SIR_NOPM_2_20221020T121148_20221020T121536_C001  CS_OFFL_SIR_NOPM_2_20221020T121148_20221020T122224_C001  CS_OFFL_SIR_NOPM_2_20221020T1212342_20221020T122234_C001  CS_OFFL_SIR_NOPM_2_20221020T1212342_20221020T122344_C001  CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T123341_C001  CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T123341_C001  CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T123341_C001  CS_OFFL_SIR_NOPM_2_20221020T123362_C021020T123341_C001  CS_OFFL_SIR_NOPM_2_20221020T123362_C021020T123341_C001  CS_OFFL_SIR_NOPM_2_20221020T123362_C0221020T123361_C001  CS_OFFL_SIR_NOPM_2_20221020T123362_C0221020T133045_C001  CS_OFFL_SIR_NOPM_2_20221020T123365_20221020T133045_C001  CS_OFFL_SIR_NOPM_2_20221020T132555_20221020T133045_C001  CS_OFFL_SIR_NOPM_2_20221020T132555_20221020T133045_C001  CS_OFFL_SIR_NOPM_2_20221020T133562_20221020T133045_C001  CS_OFFL_SIR_NOPM_2_20221020T133	CS_OFFL_SIR_NOPM_2_20221020T110551_20221020T110819_C001		
and Backscatter Quality, COG Altimeter Range and Backscatter Quality Flags have been so from one or more records  CS_OFFL_SIR_NOPM_2_20221020T113134_20221020T114661_CO01  CS_OFFL_SIR_NOPM_2_20221020T121148_20221020T121536_CO01  CS_OFFL_SIR_NOPM_2_20221020T121148_20221020T121536_CO01  CS_OFFL_SIR_NOPM_2_20221020T121148_20221020T121536_CO01  CS_OFFL_SIR_NOPM_2_20221020T12148_20221020T12234_CO01  CS_OFFL_SIR_NOPM_2_20221020T121556_DO01  CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T12234_CO01  CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T12234_CO01  CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T123941_CO01  CS_OFFL_SIR_NOPM_2_20221020T123342_20221020T123941_CO01  CS_OFFL_SIR_NOPM_2_20221020T123342_20221020T125224_CO01  CS_OFFL_SIR_NOPM_2_20221020T125555_20221020T13658_CO01  CS_OFFL_SIR_NOPM_2_20221020T125555_20221020T13658_CO01  CS_OFFL_SIR_NOPM_2_20221020T125555_20221020T133045_CO01  CS_OFFL_SIR_NOPM_2_20221020T133950_20221020T133045_CO01  CS_OFFL_SIR_NOPM_2_20221020T133950_20221020T133045_CO01  CS_OFFL_SIR_NOPM_2_20221020T1333559_20221020T131658_CO01  CS_OFFL_SIR_NOPM_2_20221020T1333559_20221020T133045_CO01  CS_OFFL_SIR_NOPM_2_20221020T1333559_20221020T1313045_CO01  CS_OFFL_SIR_NOPM_2_20221020T1333559_20221020T1313045_CO01  CS_OFFL_SIR_NOPM_2_20221020T1333559_20221020T133045_CO01  CS_OFFL_SIR_NOPM_2_20221020T1333559_20221020T133045_CO	CS_OFFL_SIR_NOPM_2_20221020T110846_20221020T111310_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T123941_C001  CS_OFFL_SIR_NOPM_2_20221020T124336_20221020T125224_C001  CS_OFFL_SIR_NOPM_2_20221020T124336_20221020T135254_C001  CS_OFFL_SIR_NOPM_2_20221020T125555_20221020T131658_C001  CS_OFFL_SIR_NOPM_2_20221020T125555_20221020T133045_C001  CS_OFFL_SIR_NOPM_2_20221020T132950_20221020T133045_C001  CS_OFFL_SIR_NOPM_2_20221020T135559_20221020T133045_C001  CS_OFFL_SIR_NOPM_2_20221020T13559_20221020T133045_C001  COCOR_Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T132550_20221020T133045_C001  CCS_OFFL_SIR_NOPM_2_20221020T13559_20221020T133045_C001  CCS_OFFL_SIR_NOPM_2_20221020T13559_20221020T133045_C001  CCS_OFFL_SIR_NOPM_2_20221020T13559_20221020T141911_C001  CCS_OFFL_SIR_NOPM_2_20221020T13559_20221020T141911_C001  CCS_OFFL_SIR_NOPM_2_20221020T13559_20221020T141911_C001  CCS_OFFL_SIR_NOPM_2_20221020T13559_20221020T141911_C001  CCS_OFFL_SIR_NOPM_2_20221020T13559_20221020T141911_C001  CCS_OFFL_SIR_NOPM_2_20221020T13559_20221020T141911_C001  CCS_OFFL_SIR_NOPM_2_20221020T13559_20221020T141	CS_OFFL_SIR_NOPM_2_20221020T111611_20221020T112954_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range 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_20221020T121659_20221020T122234_C001  CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T122341_C001  CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T123941_C001  CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T123941_C001  CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T123941_C001  CS_OFFL_SIR_NOPM_2_20221020T124336_20221020T125224_C001  CS_OFFL_SIR_NOPM_2_20221020T125555_20221020T135355_20221020T131658_C001  CS_OFFL_SIR_NOPM_2_20221020T125555_20221020T133045_C001  CS_OFFL_SIR_NOPM_2_20221020T1353559_20221020T133045_C001  CS_OFFL_SIR_NOPM_2_20221020T1353559_20221020T141911_C001  and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter 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_20221020T125555_20221020T131658_C001  CS_OFFL_SIR_NOPM_2_20221020T132950_20221020T133045_C001  CS_OFFL_SIR_NOPM_2_20221020T135359_20221020T133045_C001  CS_OFFL_SIR_NOPM_2_20221020T135359_20221020T141911_C001  CCCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCCOAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CCCOAN Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOAN Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOAN Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOAN Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOAN Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOAN Altimeter Range and Backscatter Quality Flags have been set for one or more records  CCCOAN Altimeter Range and Backscatter Quality Flags h	CS_OFFL_SIR_NOPM_2_20221020T113134_20221020T114651_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Cs_OFFL_SIR_NOPM_2_20221020T122342_20221020T123941_C001  Cs_OFFL_SIR_NOPM_2_20221020T122342_20221020T123941_C001  Cs_OFFL_SIR_NOPM_2_20221020T124336_20221020T125224_C001  Cs_OFFL_SIR_NOPM_2_20221020T124336_20221020T125224_C001  Cs_OFFL_SIR_NOPM_2_20221020T125555_20221020T131658_C001  Cs_OFFL_SIR_NOPM_2_20221020T125555_20221020T131658_C001  Cs_OFFL_SIR_NOPM_2_20221020T132950_20221020T133045_C001  Cs_OFFL_SIR_NOPM_2_20221020T132950_20221020T133045_C001  Cs_OFFL_SIR_NOPM_2_20221020T135359_20221020T133045_C001  And Backscatter Quality, CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Cs_OFFL_SIR_NOPM_2_20221020T132950_20221020T133045_C001  Cs_OFFL_SIR_NOPM_2_20221020T135359_20221020T133045_C001  Cs_OFFL_SIR_NOPM_2_20221020T135359_20221020T141911_C001  Cs_OFFL_SIR_NOPM_2_20221020T135359_20221020T14191	CS_OFFL_SIR_NOPM_2_20221020T121148_20221020T121536_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T123941_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  OCOG Altimeter Range Quality, OCOG Backscatter Quality  OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPM_2_20221020T121659_20221020T122234_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backsca	CS_OFFL_SIR_NOPM_2_20221020T122342_20221020T123941_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20221020T125555_20221020T131658_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  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  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPM_2_20221020T124336_20221020T125224_C001		1.
CS_OFFL_SIR_NOPM_2_20221020T132950_20221020T133045_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range	CS_OFFL_SIR_NOPM_2_20221020T125555_20221020T131658_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20221020T135359_20221020T141911_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20221020T132950_20221020T133045_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20221020T135359_20221020T141911_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

Constitution   Cons	CS_OFFL_SIR_NOPM_2_20221020T142549_20221020T143016_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CQUIRLS - CNOME   2021 (2011 121   2021 1201 1201 1201 1201 1201	CS_OFFL_SIR_NOPM_2_20221020T143517_20221020T150109_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Section   Column	CS_OFFL_SIR_NOPM_2_20221020T151104_20221020T151240_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Description of the Control of Program and inchronous control con	CS_OFFL_SIR_NOPM_2_20221020T152736_20221020T153012_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Section Fig. 19. NOTE: 2. 2021/20719169 28 000 PM SERVICE COLORS SECTION SECTI	CS_OFFL_SIR_NOPM_2_20221020T153138_20221020T155655_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
25 CPF. 38R NOPM 2 2029 (0021198166 2029 1002119816 CDD)  26 CPF. 38R NOPM 2 2029 (002119816 2029 1002119816 CDD)  27 CPF. 38R NOPM 2 2029 (002119816 2029 1002119816 CDD)  28 CPF. 38R NOPM 2 2029 (002119816 2029 1002119816 CDD)  29 CPF. 38R NOPM 2 2029 (002119816 2029 1002119816 CDD)  20 CPF. 38R NOPM 2 2029 (002119816 CDD)  20 CPF. 38R NOPM 2 2029 (00211982 CDD)  20 CPF. 38R NOPM 2 2029 (00211982 CDD)  20 CPF. 38R NOPM 2 2029 (00211985 CDD)  20 CPF. 38R NOPM	CS_OFFL_SIR_NOPM_2_20221020T160505_20221020T161055_C001	_	
and Description (1996). 2.002210001193503_002210001193504_0025 on Description (1996). Alternate Range and Backescater Classify. Rage have been addressed the County of Service of Range and Backescater Classify. Rage have been addressed the County of Service of Range and Backescater Classify. Rage have been addressed the County of Range and Backescater Classify. Rage have been addressed the County of Rage and Range and Backescater Classify. Rage have been addressed the County of Rage and Range	CS_OFFL_SIR_NOPM_2_20221020T161426_20221020T162805_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFF_SIR_NOPN_2_0221020179304_0021021179595_0021  CB_OFF_SIR_NOPN_2_0221020179412_00221021179595_0021  CB_OFF_SIR_NOPN_2_0221020179412_00221021179595_0021  CB_OFF_SIR_NOPN_2_0221020179412_00221021179596_0021  CB_OFF_SIR_NOPN_2_0221020179412_00221021179596_0021  CB_OFF_SIR_NOPN_2_0221020179412_00221021179596_0021  CB_OFF_SIR_NOPN_2_0221020179412_002210211795976_0021  CB_OFF_SIR_NOPN_2_0221020179590_002210211795976_0021  CB_OFF_SIR_NOPN_2_0221020179590_00221021179596_0021  CB_OFF_SIR_NOPN_2_0221020179590_00221021179596_0021  CB_OFF_SIR_NOPN_2_0221020179590_00221021179596_0021  CB_OFF_SIR_NOPN_2_0221020179590_00221021179596_0021  CB_OFF_SIR_NOPN_2_02221020179590_00221021179596_0021  CB_OFF_SIR_NOPN_2_02221020179590_00221021179596_0021  CB_OFF_SIR_NOPN_2_02221020179590_00221021179596_0021  CB_OFF_SIR_NOPN_2_02221020179590_00221021179596_0021  CB_OFF_SIR_NOPN_2_02221020179590_00221021179596_0021  CB_OFF_SIR_NOPN_2_02221020179590_00221021179596_0021  CB_OFF_SIR_NOPN_2_02221020179590_00221021179596_0021  CB_OFF_SIR_NOPN_2_02221020179590_00221021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_00221021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_00221021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_00221021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_00221021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_00221021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_00221021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_0021021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_0021021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_0021021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_0021021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_00210211795960_0021  CB_OFF_SIR_NOPN_2_022210201795290_0021021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_0021021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_0021021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_0021021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_0021021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_0021021021179596_0021  CB_OFF_SIR_NOPN_2_022210201795290_0021021179596_0	CS_OFFL_SIR_NOPM_2_20221020T163626_20221020T163855_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Budecouter Outlier Surger Surger and Budecouter Outlier Surger Surger and Budecouter Outlier Surger Surg	CS_OFFL_SIR_NOPM_2_20221020T165003_20221020T165142_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscarter Carely  For one or more normals  The OCIDEN ARTHORN Range, SSHA, SVH and Backscarter Quality Flags have been attempted to the COGN Allimenter Range, SSHA, SVH and Backscarter Quality Flags have been attempted to the company of the COGN Allimenter Range, SSHA, SVH and Backscarter Quality Flags have been attempted to the company of the COGN Allimenter Range, SSHA, SVH and Backscarter Quality Flags have been attempted to the company of the COGN Allimenter Range, SSHA, SVH and Backscarter Quality Flags have been attempted to the company of the COGN Allimenter Range, SSHA, SVH and Backscarter Quality Flags have been attempted to the company of the COGN Allimenter Range, SSHA, SVH and Backscarter Quality Flags have been attempted to the company of the COGN Allimenter Range, SSHA, SVH and Backscarter Quality Flags have been attempted to the company of the COGN Allimenter Range, SSHA, SVH and Backscarter Quality Flags have been attempted to the company of the COGN Allimenter Range, SSHA, SVH and Backscarter Quality Flags have been attempted to the company of the COGN Allimenter Range, SSHA, SVH and Backscarter Quality Flags have been attempted to the company of the COGN Allimenter Range and Backscarter Quality Flags have been attempted to the company of the COGN Allimenter Range and Backscarter Quality Flags have been attempted to the COGN Allimenter Range and Backscarter Quality Flags have been attempted to the COGN Allimenter Range and Backscarter Quality Flags have been attempted to the COGN Allimenter Range and Backscarter Quality Flags have been attempted to the COGN Allimenter Range and Backscarter Quality Flags have been attempted to the COGN Allimenter Range and Backscarter Quality Flags have been attempted to the COGN Allimenter Range and Backscarter Quality Flags have been attempted to the COGN Allimenter Range and Backscarter Quality Flags have been attempted to the COGN Al	CS_OFFL_SIR_NOPM_2_20221020T170330_20221020T173635_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and be abotacether Quality, OCOG Allimeter Range and Backscatter Quality Flags have been set from one nor residence and ready.  CS OFFL SIR NOPM 2 202210201182642 202210201183100 0001 Allimeter Range SIRS, SVH and Backscatter Quality Flags have been set for one or nor residence and ready of the Cases Allimeter Range SIRS, SVH and Backscatter Quality Flags have been set for one or nor residence.  CS OFFL SIR NOPM 2 202210201182642 20221020118510 0001  CS OFFL SIR NOPM 2 20221020118504 20221020118510 0001  CS OFFL SIR NOPM 2 20221020118504 20221020119617 0001  CS OFFL SIR NOPM 2 20221020119504 20221020119617 0001  CS OFFL SIR NOPM 2 20221020119259 20221020119624 0001  CS OFFL SIR NOPM 2 20221020119259 20221020119638 0001  CS OFFL SIR NOPM 2 20221020119424 20221020119638 0001  CS OFFL SIR NOPM 2 20221020119433 0001  CS OFFL SIR NOPM 2 20221020119433 0001  CS OFFL SIR NOPM 2 20221020119455 20221020119638 0001  CS OFFL SIR NOPM 2 20221020119453 0001  CS OFFL SIR NOPM 2 2022102011953 0001  CS OFFL SIR NOPM 2 20221020110001 0001  CS OFFL SIR NOPM 2 20221020110001	CS_OFFL_SIR_NOPM_2_20221020T174412_20221020T174927_C001		l.
CS OFFL SIR NOPM 2 20221020T187492 20221020T195218 C001  CS OFFL SIR NOPM 2 20221020T187493 20221020T195218 C001  CS OFFL SIR NOPM 2 20221020T18804 20221020T195218 C001  CS OFFL SIR NOPM 2 20221020T18804 20221020T195218 C001  CS OFFL SIR NOPM 2 20221020T18804 20221020T195217 C001  CS OFFL SIR NOPM 2 20221020T192280 20221020T192414 C001  CS OFFL SIR NOPM 2 20221020T192280 20221020T192435 C001  CS OFFL SIR NOPM 2 20221020T192280 20221020T194058 C001  CS OFFL SIR NOPM 2 20221020T192280 20221020T194058 C001  CS OFFL SIR NOPM 2 20221020T192280 20221020T194058 C001  CS OFFL SIR NOPM 2 20221020T192804 20221020T195250 C001  CS OFFL SIR NOPM 2 20221020T192804 20221020T19535 C001  CS OFFL SIR NOPM 2 20221020T19804 20221020T19535 C001  CS OFFL SIR NOPM 2 20221020T19804 20221020T19535 C001  CS OFFL SIR NOPM 2 20221020T19804 20221020T19552 C001  CS OFFL SIR NOPM 2 20221020T19804 20221020T19552 C001  CS OFFL SIR NOPM 2 20221020T19033 20221020T19552 C001  CS OFFL SIR NOPM 2 20221020T20056 20221020T20062 C001  CS OFFL SIR NOPM 2 20221020T20056 20221020T20062 C001  CS OFFL SIR NOPM 2 20221020T20056 20221020T20062 C001  CS OFFL SIR NOPM 2 20221020T20066 20221020T20062 C001  CS OFFL SIR NOPM 2 20221020T20066 20221020T20062 C001  CS OFFL SIR NOPM 2 20221020T0066 20221000T20	CS_OFFL_SIR_NOPM_2_20221020T175610_20221020T175917_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOS Allimenter Range and Backscatter Quality and the OCOS Allimenter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20221020T185504_20221020T191617_C001  CS_OFFL_SIR_NOPM_2_20221020T19250_20221020T192614_C001  CS_OFFL_SIR_NOPM_2_20221020T19260_20221020T192614_C001  CS_OFFL_SIR_NOPM_2_20221020T19260_20221020T192614_C001  CS_OFFL_SIR_NOPM_2_20221020T19260_20221020T192614_C001  CS_OFFL_SIR_NOPM_2_20221020T19260_20221020T192614_C001  CS_OFFL_SIR_NOPM_2_20221020T193604_20221020T193642_C001  CS_OFFL_SIR_NOPM_2_20221020T193604_20221020T195642_C001  CS_OFFL_SIR_NOPM_2_20221020T195553_20221020T195759_C001  CS_OFFL_SIR_NOPM_2_20221020T195556_20221020T195759_C001  CS_OFFL_SIR_NOPM_2_20221020T195333_20221070T195759_C001  CS_OFFL_SIR_NOPM_2_20221020T195333_20221020T195769_C001  CS_OFFL_SIR_NOPM_2_20221020T195333_20221020T195769_C001  CS_OFFL_SIR_NOPM_2_20221020T195353_20221020T195769_C001  CS_OFFL_SIR_NOPM_2_20221020T195353_20221020T200822_C001  CS_OFFL_SIR_NOPM_2_20221020T195353_20221020T195769_C001  CS_OFFL_SIR_NOPM_2_20221020T200822_C001  CS_OFFL_SIR_NOPM_2_20221020T200846_C001  CS_OFFL_SIR_NOPM_2_20221020T2008466_C001  CS_OFFL_SIR_NOPM_2_20221020T2	CS_OFFL_SIR_NOPM_2_20221020T182649_20221020T183100_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality. COOG Altimeter Range and Backscatter Quality. COOG OCS Altimeter Range and Backscatter Quality Flags have been extended to the coordinate of the coor	CS_OFFL_SIR_NOPM_2_20221020T184103_20221020T185218_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20221020T192421_20221020T192829_C001  DCGG_Altimeter Range Quality, CCCG_Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20221020T193404_20221020T193336_C001  CS_OFFL_SIR_NOPM_2_20221020T193404_20221020T193336_C001  CS_OFFL_SIR_NOPM_2_20221020T193404_20221020T193336_C001  CS_OFFL_SIR_NOPM_2_20221020T194525_20221020T195242_C001  CS_OFFL_SIR_NOPM_2_20221020T1952333_20221020T195242_C001  CS_OFFL_SIR_NOPM_2_20221020T195333_20221020T195242_C001  CS_OFFL_SIR_NOPM_2_20221020T195333_20221020T195759_C001  CS_OFFL_SIR_NOPM_2_20221020T195333_20221020T195759_C001  CS_OFFL_SIR_NOPM_2_20221020T195333_20221020T195759_C001  CS_OFFL_SIR_NOPM_2_20221020T200556_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200556_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200556_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200556_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200556_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200556_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200556_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200556_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200556_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200759_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200759_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200759_20221020T2007549_C001  CS_OFFL_SIR_NOPM_2_20221020T2007549_C001  CCGG_Altimeter Range, SSHA, SWH and Ba	CS_OFFL_SIR_NOPM_2_20221020T185504_20221020T191617_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20221020T193404_20221020T194336_CO01  Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more	CS_OFFL_SIR_NOPM_2_20221020T192250_20221020T192414_C001	_	
and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T205749_20221020T210313_C001  CS_OFFL_SIR_NOPM_2_20221020T21415_20221020T210313_C001  CS_OFFL_SIR_NOPM_2_20221020T21415_20221020T212646_C001  Altimeter Range Quality, CCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T21415_20221020T212646_C001  Altimeter Range Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Set for one or more records  CS_OFFL	CS_OFFL_SIR_NOPM_2_20221020T192421_20221020T192829_C001		, ,
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Step one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags ha	CS_OFFL_SIR_NOPM_2_20221020T193404_20221020T194336_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T200556_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200556_20221020T200622_C001  CS_OFFL_SIR_NOPM_2_20221020T200799_20221020T200749_C001  CS_OFFL_SIR_NOPM_2_20221020T200709_20221020T200749_C001  CS_OFFL_SIR_NOPM_2_20221020T200709_20221020T200749_C001  CS_OFFL_SIR_NOPM_2_20221020T200720201_20221020T200749_C001  CS_OFFL_SIR_NOPM_2_20221020T200720201_20221020T200749_C001  CS_OFFL_SIR_NOPM_2_20221020T200720201_20221020T205515_C001  CS_OFFL_SIR_NOPM_2_20221020T200720201_20221020T205515_C001  CS_OFFL_SIR_NOPM_2_20221020T200720749_20221020T200713_C001  CS_OFFL_SIR_NOPM_2_20221020T205749_20221020T210313_C001  CS_OFFL_SIR_NOPM_2_20221020T205749_20221020T210313_C001  CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T212702_20221020T214431_C001  Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T2100T210313_C001  CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T210313_C001  CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_2022	CS_OFFL_SIR_NOPM_2_20221020T194525_20221020T195242_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T200709_20221020T200749_C001  CS_OFFL_SIR_NOPM_2_20221020T200709_20221020T200749_C001  CS_OFFL_SIR_NOPM_2_20221020T20201_2021020T200749_C001  CS_OFFL_SIR_NOPM_2_20221020T20201_2021020T205515_C001  CS_OFFL_SIR_NOPM_2_20221020T20201_2021020T205515_C001  CS_OFFL_SIR_NOPM_2_20221020T205749_20221020T210313_C001  CS_OFFL_SIR_NOPM_2_20221020T205749_20221020T210313_C001  CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T2121415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T2121415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T212702_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T212702_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T212702_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T2121415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T2121415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T2121415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T2121415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T2121415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T2121415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T2121415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T2121415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T212646_C001	CS_OFFL_SIR_NOPM_2_20221020T195333_20221020T195759_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20221020T200709_20221020T200749_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T20201_20221020T205515_C001  CS_OFFL_SIR_NOPM_2_20221020T20207205515_C001  CS_OFFL_SIR_NOPM_2_20221020T205749_20221020T210313_C001  CS_OFFL_SIR_NOPM_2_20221020T205749_20221020T210313_C001  CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T2121415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T212702_20221020T214431_C001  And Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T212702_20221020T214431_C001  The Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T212702_20221020T214431_C001  The Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records  The Ocoan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_NOPM_2_20221020T200556_20221020T200622_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20221020T20201_20221020T205515_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T205749_20221020T210313_C001  CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T210313_C001  CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T212702_20221020T212646_C001  CS_OFFL_SIR_NOPM_2_20221020T212702_20221020T2124431_C001  And Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality  The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  CS_OFFL_SIR_NOPM_2_20221020T212702_20221020T214431_C001  The OCGA Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and th	CS_OFFL_SIR_NOPM_2_20221020T200709_20221020T200749_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality, OCOG  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Alti	CS_OFFL_SIR_NOPM_2_20221020T202021_20221020T205515_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T212646_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been a	CS_OFFL_SIR_NOPM_2_20221020T205749_20221020T210313_C001		
CS_OFFL_SIR_NOPM_2_20221020T212702_20221020T214431_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20221020T211415_20221020T212646_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20221020T212702_20221020T214431_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_NOPM_2_20221020T214801_20221020T215012_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_20221020T220143_20221020T220155_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_20221020T220555_20221020T221738_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_20221020T221942_20221020T223421_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_20221020T223713_20221020T224212_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_20221020T224232_20221020T224243_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_20221020T224251_20221020T224413_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_20221020T225124_20221020T225941_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_20221020T230813_20221020T232427_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_20221020T234807_20221020T235053_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_20221020T010506_20221020T010756_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_20221020T025456_20221020T025615_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_20221020T033031_20221020T033549_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_20221020T034509_20221020T034621_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_20221020T084427_20221020T084429_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_20221020T102510_20221020T102627_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_20221020T121537_20221020T121659_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_20221020T224413_20221020T224635_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_20221020T052652_20221020T052721_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_20221020T082312_20221020T082451_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_20221020T091734_20221020T092433_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

### L2 Quality Flags (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.
- > OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice.

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20221020T001521_20221020T002033_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_20221020T010506_20221020T010756_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_20221020T011418_20221020T011721_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_20221020T015308_20221020T015430_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_20221020T015512_20221020T015743_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_20221020T020852_20221020T021015_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_20221020T021450_20221020T021902_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_20221020T024447_20221020T024601_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_20221020T025456_20221020T025615_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_20221020T033031_20221020T033549_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_20221020T051132_20221020T051303_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_20221020T053303_20221020T053319_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_20221020T053357_20221020T053556_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_20221020T054434_20221020T054456_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_20221020T061054_20221020T061400_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_20221020T071207_20221020T071220_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_20221020T071945_20221020T072316_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_20221020T074355_20221020T074652_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_20221020T084216_20221020T084332_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_20221020T092434_20221020T092659_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_20221020T092902_20221020T093134_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_20221020T100452_20221020T100645_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_20221020T104722_20221020T104828_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_20221020T110011_20221020T110551_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_20221020T111310_20221020T111449_C001	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_20221020T115916_20221020T120126_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_20221020T124159_20221020T124336_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_20221020T132304_20221020T132437_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_20221020T132807_20221020T132949_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_20221020T133830_20221020T134316_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_20221020T134416_20221020T134537_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_20221020T143016_20221020T143240_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_20221020T174927_20221020T175038_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_20221020T182541_20221020T182649_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_20221020T191831_20221020T192249_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_20221020T192830_20221020T192952_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_20221020T200622_20221020T200709_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_20221020T200801_20221020T201011_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_20221020T205625_20221020T205749_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_20221020T224413_20221020T224635_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_20221020T230510_20221020T230812_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_20221020T232427_20221020T232555_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_20221020T232555_20221020T232705_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_20221020T002033_20221020T002744_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_20221020T010329_20221020T010506_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_20221020T025615_20221020T025844_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_20221020T033550_20221020T034327_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_20221020T034653_20221020T034754_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_20221020T042157_20221020T042433_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_20221020T043517_20221020T043937_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_20221020T055958_20221020T060410_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_20221020T070727_20221020T071103_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_NOPR_2_20221020T073932_20221020T074355_C001	Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_NOPR_2_20221020T075332_20221020T075710_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_20221020T083327_20221020T083445_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_20221020T091734_20221020T092433_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_20221020T104051_20221020T104342_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_20221020T131658_20221020T131732_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_20221020T131826_20221020T131901_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_20221020T141911_20221020T142135_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_20221020T143240_20221020T143516_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_20221020T151241_20221020T151315_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_20221020T151326_20221020T151900_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_20221020T155656_20221020T160112_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_20221020T164819_20221020T164849_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_20221020T165239_20221020T170029_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_20221020T173636_20221020T174059_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_20221020T175917_20221020T180452_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_20221020T183101_20221020T183958_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_20221020T191617_20221020T191831_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_20221020T192952_20221020T193404_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_20221020T201209_20221020T201921_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_20221020T210757_20221020T211415_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_20221020T215105_20221020T215645_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_20221020T215735_20221020T215821_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_20221020T223422_20221020T223530_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_20221020T224635_20221020T225029_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_20221020T225942_20221020T230002_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_20221020T232722_20221020T232808_C001	Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
LS OFFI SIR NOPR / /0//10/01/330/0 /0//10/01/33/0/ LOUT		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS OFFE SIR NOPR 7 707710701735054 707710701735970 C001		The OCOG 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.

> 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: 182

### 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.

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:** 

134

61