

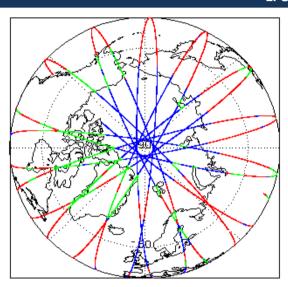
# 1. Overview

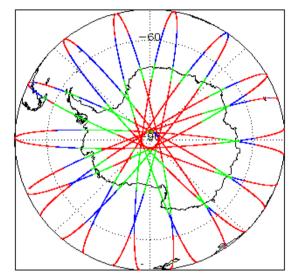
Report Production:	18-Aug-2021	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Intermediate Ocean Products (IOP)	

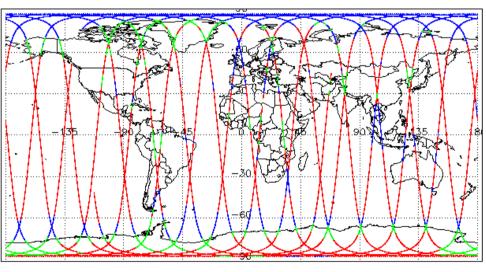
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.1, 7.2	See Section 7.1, 7.2

Mission / Instrument News	
14-Aug-2021	None
15-Aug-2021	None
16-Aug-2021	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

# 4. IOP Level 1B Data Quality Check

# 4.1 L1B Product Format Check

## 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 IOPR and IOPN products because the I1b\_processing\_quality\_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

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.

Number of products with errors: 0

### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

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# 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 IOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

3

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20210815T054300_20210815T061903_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20210815T113743_20210815T120440_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20210815T185948_20210815T191044_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 products over land, but this is to be expected.

Number of products with errors:

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Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20210815T081058_20210815T082740_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210815T144925_20210815T152226_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210815T183508_20210815T184050_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210815T205403_20210815T210640_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210815T210803_20210815T211022_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210815T011713_20210815T012117_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210815T062624_20210815T063029_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210815T080822_20210815T081058_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210815T094440_20210815T094700_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210815T111939_20210815T112001_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210815T112414_20210815T112855_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210815T121539_20210815T121827_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210815T143710_20210815T143801_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210815T175306_20210815T175528_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210815T193037_20210815T193450_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210815T211116_20210815T211542_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210815T220849_20210815T221214_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210815T052527_20210815T052958_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210815T062041_20210815T062510_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210815T073656_20210815T073859_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210815T160835_20210815T160936_C001	Loss of Echo	The tracking echo is missing for one or more records

# 5. IOP Level 2 Data Quality Check

### 5.1 L2 Product Format Check

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

Number of products with errors:

0

### 5.2 L2 Product Header Analysis

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

Number of products with errors:

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.

## 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. The affected products are not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.
- > Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210815T111520_20210815T111546_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPM_2_20210815T111546_20210815T111553_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210815T011713_20210815T012117_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210815T021013_20210815T021138_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210815T021928_20210815T022041_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20210815T034942_20210815T035108_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210815T035620_20210815T035922_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)
CS_OFFL_SIR_IOPN_2_20210815T052958_20210815T053259_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210815T053523_20210815T054039_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)
CS_OFFL_SIR_IOPN_2_20210815T062624_20210815T063029_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 tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20210815T071001_20210815T071235_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)
CS_OFFL_SIR_IOPN_2_20210815T080515_20210815T080630_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)
CS_OFFL_SIR_IOPN_2_20210815T080822_20210815T081058_C001	Mean Lynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Tota Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_IOPN_2_20210815T084502_20210815T085104_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210815T094440_20210815T094700_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)
CS_OFFL_SIR_IOPN_2_20210815T102720_20210815T102907_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)
CS_OFFL_SIR_IOPN_2_20210815T112414_20210815T112855_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)
CS_OFFL_SIR_IOPN_2_20210815T120659_20210815T120834_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210815T134646_20210815T135034_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)
CS_OFFL_SIR_IOPN_2_20210815T142545_20210815T142719_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210815T152624_20210815T152940_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)
CS_OFFL_SIR_IOPN_2_20210815T153452_20210815T153613_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210815T175306_20210815T175528_C001	Mean Sea Surtace (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 tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20210815T175616_20210815T175736_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)
CS_OFFL_SIR_IOPN_2_20210815T193037_20210815T193450_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Tota Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_IOPN_2_20210815T193528_20210815T193647_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)
CS_OFFL_SIR_IOPN_2_20210815T202935_20210815T203211_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)

CS_OFFL_SIR_IOPN_2_20210815T211116_20210815T211542_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20210815T220849_20210815T221214_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)
CS_OFFL_SIR_IOPN_2_20210815T225013_20210815T225404_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)
CS_OFFL_SIR_IOPN_2_20210815T234956_20210815T235123_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20210815T012117_20210815T012853_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)
CS_OFFL_SIR_IOPR_2_20210815T030039_20210815T030714_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)
CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_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)
CS_OFFL_SIR_IOPR_2_20210815T043854_20210815T044614_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)
CS_OFFL_SIR_IOPR_2_20210815T044614_20210815T044813_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)
CS_OFFL_SIR_IOPR_2_20210815T061904_20210815T061956_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_IOPR_2_20210815T062041_20210815T062510_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)
CS_OFFL_SIR_IOPR_2_20210815T062510_20210815T062624_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)
CS_OFFL_SIR_IOPR_2_20210815T075834_20210815T080341_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)
CS_OFFL_SIR_IOPR_2_20210815T080341_20210815T080515_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)
CS_OFFL_SIR_IOPR_2_20210815T093830_20210815T094440_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)
CS_OFFL_SIR_IOPR_2_20210815T111554_20210815T111823_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20210815T112002_20210815T112414_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)
CS_OFFL_SIR_IOPR_2_20210815T125828_20210815T130457_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)
CS_OFFL_SIR_IOPR_2_20210815T143801_20210815T144549_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)
CS_OFFL_SIR_IOPR_2_20210815T161801_20210815T162625_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)
CS_OFFL_SIR_IOPR_2_20210815T175736_20210815T180509_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)
CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T194209_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)
CS_OFFL_SIR_IOPR_2_20210815T203212_20210815T203417_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20210815T211542_20210815T211932_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)
CS_OFFL_SIR_IOPR_2_20210815T211932_20210815T212255_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)
CS_OFFL_SIR_IOPR_2_20210815T225404_20210815T225915_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)

# 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.

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210815T054300_20210815T061903_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20210815T113743_20210815T120440_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20210815T185948_20210815T191044_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 (20Hz)

CryoSat L2 data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record. The bit value of this flag indicates any problems when set.

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210815T000412_20210815T002811_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_IOPM_2_20210815T003138_20210815T003652_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_IOPM_2_20210815T003658_20210815T004025_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_IOPM_2_20210815T004417_20210815T011713_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_IOPM_2_20210815T013002_20210815T013708_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_IOPM_2_20210815T014549_20210815T015837_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_IOPM_2_20210815T020329_20210815T020738_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_IOPM_2_20210815T021138_20210815T021726_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_IOPM_2_20210815T022517_20210815T025659_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_IOPM_2_20210815T030853_20210815T030932_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_IOPM_2_20210815T030937_20210815T031110_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_IOPM_2_20210815T033533_20210815T034530_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_IOPM_2_20210815T035108_20210815T035620_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_IOPM_2_20210815T040324_20210815T042434_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_IOPM_2_20210815T042718_20210815T043854_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_IOPM_2_20210815T044814_20210815T045043_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_IOPM_2_20210815T045809_20210815T045822_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_IOPM_2_20210815T050715_20210815T052527_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_IOPM_2_20210815T053259_20210815T053523_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_IOPM_2_20210815T054300_20210815T061903_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_IOPM_2_20210815T063043_20210815T065019_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_IOPM_2_20210815T065038_20210815T070326_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_IOPM_2_20210815T071235_20210815T071432_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_IOPM_2_20210815T071613_20210815T071935_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_IOPM_2_20210815T072200_20210815T073656_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_IOPM_2_20210815T073859_20210815T074839_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_IOPM_2_20210815T080630_20210815T080821_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_IOPM_2_20210815T081058_20210815T082740_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_IOPM_2_20210815T083244_20210815T083248_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_IOPM_2_20210815T083250_20210815T083401_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_IOPM_2_20210815T084404_20210815T084457_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_IOPM_2_20210815T085104_20210815T085355_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_IOPM_2_20210815T085406_20210815T085836_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_IOPM_2_20210815T090129_20210815T091525_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_IOPM_2_20210815T100231_20210815T102520_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_IOPM_2_20210815T102907_20210815T103740_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_IOPM_2_20210815T104104_20210815T110531_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_IOPM_2_20210815T113743_20210815T120440_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_IOPM_2_20210815T121121_20210815T121539_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_IOPM_2_20210815T122033_20210815T124506_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_IOPM_2_20210815T124629_20210815T124852_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_IOPM_2_20210815T124940_20210815T125154_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_IOPM_2_20210815T125154_20210815T125828_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_IOPM_2_20210815T131207_20210815T134220_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_IOPM_2_20210815T135034_20210815T135620_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_IOPM_2_20210815T135943_20210815T140401_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_IOPM_2_20210815T143525_20210815T143710_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_IOPM_2_20210815T144925_20210815T152226_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_IOPM_2_20210815T152940_20210815T153452_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_IOPM_2_20210815T154029_20210815T155606_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20210815T161429_20210815T161607_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_IOPM_2_20210815T162625_20210815T165641_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_IOPM_2_20210815T165652_20210815T170126_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_IOPM_2_20210815T170750_20210815T170940_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_IOPM_2_20210815T171856_20210815T174329_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_IOPM_2_20210815T174459_20210815T175145_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_IOPM_2_20210815T175145_20210815T175257_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_IOPM_2_20210815T181133_20210815T182318_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_IOPM_2_20210815T182358_20210815T182719_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_IOPM_2_20210815T183508_20210815T184050_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_IOPM_2_20210815T184318_20210815T184840_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_IOPM_2_20210815T185948_20210815T191044_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_IOPM_2_20210815T191340_20210815T192401_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_IOPM_2_20210815T192411_20210815T193036_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_IOPM_2_20210815T195214_20210815T200316_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_IOPM_2_20210815T200820_20210815T201954_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_IOPM_2_20210815T202245_20210815T202740_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_IOPM_2_20210815T202816_20210815T202934_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_IOPM_2_20210815T203709_20210815T204035_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_IOPM_2_20210815T205403_20210815T210640_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_IOPM_2_20210815T214423_20210815T215846_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_IOPM_2_20210815T220222_20210815T220654_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_IOPM_2_20210815T220731_20210815T220849_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_IOPM_2_20210815T221439_20210815T224009_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_IOPM_2_20210815T231335_20210815T233402_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_IOPM_2_20210815T234219_20210815T234609_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_IOPM_2_20210815T235331_20210816T001953_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_IOPN_2_20210815T031253_20210815T031311_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_IOPN_2_20210815T032650_20210815T032834_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_IOPN_2_20210815T071935_20210815T072104_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_IOPN_2_20210815T112414_20210815T112855_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_IOPN_2_20210815T112942_20210815T113104_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_IOPN_2_20210815T213409_20210815T213509_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_IOPN_2_20210815T225013_20210815T225404_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_IOPR_2_20210815T065020_20210815T065037_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_IOPR_2_20210815T072104_20210815T072200_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_IOPR_2_20210815T093201_20210815T093224_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_IOPN_2_20210815T213409_20210815T213509_C001  CS_OFFL_SIR_IOPN_2_20210815T225013_20210815T225404_C001  CS_OFFL_SIR_IOPR_2_20210815T065020_20210815T065037_C001  CS_OFFL_SIR_IOPR_2_20210815T072104_20210815T072200_C001	Backscatter Quality  OCOG Altimeter Range Quality, OCOG Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	for one or more records.  The OCOG Altimeter Range and Backscatter Quality Flags have been s for one or more records.  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

# L2 Quality Flags (20Hz PLRM)

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20210815T003000_20210815T003137_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_IOPN_2_20210815T011713_20210815T012117_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_IOPN_2_20210815T012853_20210815T012928_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_IOPN_2_20210815T021013_20210815T021138_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_IOPN_2_20210815T021928_20210815T022041_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_IOPN_2_20210815T025817_20210815T030026_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_IOPN_2_20210815T031734_20210815T031817_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_IOPN_2_20210815T052958_20210815T053259_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_IOPN_2_20210815T053523_20210815T054039_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_IOPN_2_20210815T062007_20210815T062041_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_IOPN_2_20210815T071001_20210815T071235_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_IOPN_2_20210815T071432_20210815T071613_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_IOPN_2_20210815T074839_20210815T075204_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_IOPN_2_20210815T080822_20210815T081058_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one more records.	
CS_OFFL_SIR_IOPN_2_20210815T082818_20210815T083113_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_IOPN_2_20210815T083155_20210815T083220_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_IOPN_2_20210815T084502_20210815T085104_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_IOPN_2_20210815T094440_20210815T094700_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_IOPN_2_20210815T094739_20210815T094922_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_IOPN_2_20210815T094936_20210815T095012_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_IOPN_2_20210815T103740_20210815T103929_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_IOPN_2_20210815T111357_20210815T111520_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_IOPN_2_20210815T112414_20210815T112855_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_IOPN_2_20210815T112942_20210815T113104_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_IOPN_2_20210815T120659_20210815T120834_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_IOPN_2_20210815T134646_20210815T135034_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_IOPN_2_20210815T141310_20210815T141644_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_IOPN_2_20210815T142545_20210815T142719_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_IOPN_2_20210815T143226_20210815T143348_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_IOPN_2_20210815T152624_20210815T152940_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_IOPN_2_20210815T170341_20210815T170750_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_IOPN_2_20210815T175306_20210815T175528_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_IOPN_2_20210815T175616_20210815T175736_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_IOPN_2_20210815T184150_20210815T184318_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_IOPN_2_20210815T185112_20210815T185257_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_IOPN_2_20210815T193037_20210815T193450_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_IOPN_2_20210815T193528_20210815T193647_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.	

CR. OFFIL SIN LOFN 2 JOSPHINSTONION 20170053T02404. Data  CR. OFFIL SIN LO	CS_OFFL_SIR_IOPN_2_20210815T194949_20210815T195213_C001	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or	
March State (1944   2001004700410   2001004700410   2001004700400000000000000000000000000000	00_011	OCOG Backscatter Quality	more records.	
Section   Column	CS_OFFL_SIR_IOPN_2_20210815T202102_20210815T202245_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
Comparison	CS_OFFL_SIR_IOPN_2_20210815T203417_20210815T203550_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFTL_SR_JOPPL2_20210915T21106_20210915T211102_0001  CG_OFTL_SR_JOPPL2_20210915T21106_20210915T21109_0001  CG_OFTL_SR_JOPPL2_20210915T21096_20210915T21099_0001  CG_OFTL_SR_JOPPL2_20210915T21096_20210915T21099_0001  CG_OFTL_SR_JOPPL2_20210915T21096_20210915T21099_0001  CG_OFTL_SR_JOPPL2_20210915T21096_20210915T21099_0001  CG_OFTL_SR_JOPPL2_20210915T21099_20001  CG_OFTL_SR_JOPPL2_20210915T20913_202109191Z20914_0001  CG_OFTL_SR_JOPPL2_20210915T20913_202109191Z20914_0001  CG_OFTL_SR_JOPPL2_20210915T20913_202109191Z20914_0001  CG_OFTL_SR_JOPPL2_20210915T20913_202109191Z20913_000191Z20914_0001  CG_OFTL_SR_JOPPL2_20210915T20913_202109191Z20914_0001  CG_OFTL_SR_JOPPL2_20210915T20913_202109191Z20913_000191Z20914_0001  CG_OFTL_SR_JOPPL2_20210915T20913_202109191Z20913_000191Z20914_0001  CG_OFTL_SR_JOPPL2_20210915T20913_202109191Z20913_000191Z20914_0001  CG_OFTL_SR_JOPPL2_20210915T20913_202109191Z20913_000191Z20914_0001  CG_OFTL_SR_JOPPL2_20210915T20913_000191Z20914_0001  CG_OFTL_SR_JOPPL2_20210915T20913_000191Z20913_000191Z20914_0001  CG_OFTL_SR_JOPPL2_20210915T00192_20210915T20913_0001  CG_OFTL_SR_JOPPL2_20210915T00192_20210915T20913_0001  CG_OFTL_SR_JOPPL2_20210915T00192_20210915T20913_0001  CG_OFTL_SR_JOPPL2_20210915T00192_20210915T20913_0001  CG_OFTL_SR_JOPPL2_20210915T00193_00019720912_00019720913_0001  CG_OFTL_SR_JOPPL2_20210915T00193_00019720913_0001  CG_OFTL_SR_	CS_OFFL_SIR_IOPN_2_20210815T204815_20210815T205342_C001			
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CS_OFFL_SR_IOPN_2_X0210615T01400_X0210615T01400_A02	CS_OFFL_SIR_IOPN_2_20210815T211022_20210815T211102_C001			
CS_OFFL_SR_IOPR_2_20210815722603_20210815722604_C0101  CS_OFFL_SR_IOPR_2_20210815722603_20210815722604_C0101  CS_OFFL_SR_IOPR_2_20210815702603_20210815722604_C0101  CS_OFFL_SR_IOPR_2_20210815702603_20210815722604_C0101  CS_OFFL_SR_IOPR_2_20210815702603_20210815702603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_20210815702603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_20210815702603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_20210815702603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_20210815702603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_20210815702603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_20210815702603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_C0101603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_C0101603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_C0101603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_C0101603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_C0101603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_C0101603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_C0101603_C0101  CS_OFFL_SR_IOPR_2_20210815702603_C0101603_C01	CS_OFFL_SIR_IOPN_2_20210815T211116_20210815T211542_C001			
COCOS BACKSCASTER CORT S. COCOS ACCURRENCE COUNTY COCOS DESCASTER CORT S. COCOS ACCURRENCE COUNTY COCO	CS_OFFL_SIR_IOPN_2_20210815T213409_20210815T213509_C001			
SS_OFFL_SR_IOPN_2_20210815T02915_20210815T02945_CO.010  All modern Range and Backscatter Quality Flags have been and search and the search of the control of the search and the search of the control of the search	CS_OFFL_SIR_IOPN_2_20210815T224801_20210815T224924_C001			
S. OFFL_SIR_IOPR_2_20210815T002812_20210815T002000_C001  CS_OFFL_SIR_IOPR_2_20210815T002812_20210815T002000_C001  CS_OFFL_SIR_IOPR_2_20210815T002812_20210815T002000_C001  CS_OFFL_SIR_IOPR_2_20210815T002812_20210815T002000_C001  CS_OFFL_SIR_IOPR_2_20210815T002812_20210815T002805_C001  CS_OFFL_SIR_IOPR_2_20210815T002812_20210815T002805_C001  CS_OFFL_SIR_IOPR_2_20210815T002738_20210815T002805_C001  CS_OFFL_SIR_IOPR_2_20210815T002738_20210815T002805_C001  CS_OFFL_SIR_IOPR_2_20210815T002738_20210815T002805_C001  CS_OFFL_SIR_IOPR_2_20210815T002738_20210815T002935_C001  CS_OFFL_SIR_IOPR_2_20210815T002738_20210815T002935_C001  CS_OFFL_SIR_IOPR_2_20210815T002738_20210815T002935_C001  CS_OFFL_SIR_IOPR_2_20210815T002738_20210815T002935_C001  CS_OFFL_SIR_IOPR_2_20210815T002738_20210815T002935_C001  CS_OFFL_SIR_IOPR_2_20210815T002738_20210815T002935_C001  CS_OFFL_SIR_IOPR_2_20210815T002738_20210815T002935_C001  CS_OFFL_SIR_IOPR_2_20210815T002938_20210815T002935_C001  CS_OFFL_SIR_IOPR_2_20210815T002938_20210815T002935_C001  CS_OFFL_SIR_IOPR_2_20210815T002938_C001  CS_OFFL_SIR_IOPR_2_20210815T002932_C0010815T002935_C001  CS_OFFL_SIR_IOPR_2_20210815T003083_C001  CS_OFFL_SIR_IOPR_2_20210815T003083_C001  CS_OFFL_SIR_IOPR_2_20210815T003083_C001  CS_OFFL_SIR_IOPR_2_20210815T003083_C001  CS_OFFL_SIR_IOPR_2_20210815T003083_C001  CS_OFFL_SIR_IOPR_2_20210815T003494_C001  CS_OFFL_SIR_IOPR_2_20210815T003494_C001  CS_OFFL_SIR_IOPR_2_20210815T003494_C001  CS_OFFL_SIR_IOPR_2_20210815T003494_C001  CS_OFFL_SIR_IOPR_2_20210815T003494_C001  CS_OFFL_SIR_IOPR_2_20210815T004940_20210815T004940_C001  CS_OFFL_SIR_IOPR_2_20210815T004940_20210815T004940_C001  CS_OFFL_SIR_IOPR_2_20210815T004940_20210815T004940_C001  CS_OFFL_SIR_IOPR_2_20210815T004940_20210815T004940_C001  CS_OFFL_SIR_IOPR_2_20210815T004940_20210815T004940_C001  CCC_OFFL_SIR_IOPR_2_20210815T004940_20210815T004940_C001  CCC_OFFL_SIR_IOPR_2_20210815T004940_20210815T004940_C001  CCC_OFFL_SIR_IOPR_2_20210815T004940_20210815T004940_C001  CCC_OFFL_SIR_IOPR_2_20210815T004940_20210815T004940_C	CS_OFFL_SIR_IOPN_2_20210815T225013_20210815T225404_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
SS_OFFL_SIR_JOPR_2_20210815T002812_20210815T00405_C001  and Backscatter Quality FLRM. OCOS Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags and the COCO Alterneter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_JOPR_2_20210815T02012_20210815T02017_C001  CS_OFFL_SIR_JOPR_2_20210815T02012_20210815T020517_C001  CS_OFFL_SIR_JOPR_2_20210815T030714_20210815T030853_C001  CS_OFFL_SIR_JOPR_2_20210815T030714_20210815T030853_C001  CS_OFFL_SIR_JOPR_2_20210815T030502_20210815T030842_C001  CS_OFFL_SIR_JOPR_2_20210815T030502_20210815T030442_C001  CS_OFFL_SIR_JOPR_2_20210815T030502_20210815T030442_C001  CS_OFFL_SIR_JOPR_2_20210815T030502_20210815T030442_C001  CS_OFFL_SIR_JOPR_2_20210815T030502_20210815T030504_C001  CS_OFFL_SIR_JOPR_2_20210815T030504_2001  CS_OFFL_SIR_JOPR_2_20210815T04504_20210815T04604_C001  CS_OFFL_SIR_JOPR_2_20210815T04504_20210815T04604_C001  CS_OFFL_SIR_JOPR_2_20210815T04504_20210815T04604_C001  CS_OFFL_SIR_JOPR_2_20210815T04504_20210815T04604_C001  CCCOG Alterneter Range and Backscatter Quality Flags have been set for one or more records.  CCCOG Alterneter Range and Backscatter Quality Flags have been set for one or more records.  CCCOG Alterneter Range and Backscatter Quality Flags have been set for one or more records.  CCCOG Alterneter Range and Backscatter	CS_OFFL_SIR_IOPN_2_20210815T234956_20210815T235123_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFFL_SIR_JOPR_2_20210815T004150_20210815T012855_C001  CS_OFFL_SIR_JOPR_2_20210815T02117_20210815T012855_C001  CS_OFFL_SIR_JOPR_2_20210815T020738_20210815T021013_C001  CS_OFFL_SIR_JOPR_2_20210815T020738_20210815T021013_C001  CS_OFFL_SIR_JOPR_2_20210815T020738_20210815T02013_C001  CS_OFFL_SIR_JOPR_2_20210815T020738_20210815T02013_C001  CS_OFFL_SIR_JOPR_2_20210815T020738_20210815T02013_C001  CS_OFFL_SIR_JOPR_2_20210815T020738_20210815T02013_C001  CS_OFFL_SIR_JOPR_2_20210815T020738_20210815T02013_C001  CS_OFFL_SIR_JOPR_2_20210815T020738_20210815T02013_C001  CS_OFFL_SIR_JOPR_2_20210815T030714_20210815T0205853_C001  CS_OFFL_SIR_JOPR_2_20210815T030734_20210815T0309853_C001  CS_OFFL_SIR_JOPR_2_20210815T030973_20210815T0309842_C001  CS_OFFL_SIR_JOPR_2_20210815T034530_20210815T034942_C001  CS_OFFL_SIR_JOPR_2_20210815T034530_20210815T034942_C001  CS_OFFL_SIR_JOPR_2_20210815T034530_20210815T044614_C001  CS_OFFL_SIR_JOPR_2_20210815T045844_20210815T046809_C001  CS_OFFL_SIR_JOPR_2_20210815T045840_20210815T046809_C001	CS_OFFL_SIR_IOPR_2_20210815T002812_20210815T003000_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFFL_SIR_IOPR_2_20210815T01217_20210815T012853_CO01  All mitter Range and Backscatter Quality Flags have been and beaches to provide the control of the c	CS_OFFL_SIR_IOPR_2_20210815T004150_20210815T004405_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality PLRM COCG Altimeter Range and Backscatter Quality Plags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T022042_20210815T022517_CO11  CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_CO11  CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_CO11  CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_CO11  CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_CO11  CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_CO11  CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_CO11  CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_CO11  CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_CO11  CS_OFFL_SIR_IOPR_2_20210815T034530_20210815T034942_CO11  CS_OFFL_SIR_IOPR_2_20210815T034530_20210815T034942_CO11  CS_OFFL_SIR_IOPR_2_20210815T034530_20210815T040324_CO11  CS_OFFL_SIR_IOPR_2_20210815T034543_20210815T040324_CO11  CS_OFFL_SIR_IOPR_2_20210815T045044_20210815T0404614_CO01  CS_OFFL_SIR_IOPR_2_20210815T045049_20210815T040684_CO11  CS_OFFL_SIR_IOPR_2_20210815T045049_20210815T0505054_CO11  CS_OFFL_SIR_IOPR_2_20210815T04504	CS_OFFL_SIR_IOPR_2_20210815T012117_20210815T012853_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
and Backscatter Quality PLRM, COGA Altimeter Range and Backscatter Quality PLRM, COGA Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_CO01  CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_CO01  CS_OFFL_SIR_IOPR_2_20210815T031224_20210815T031253_CO01  CS_OFFL_SIR_IOPR_2_20210815T031224_20210815T031253_CO01  CS_OFFL_SIR_IOPR_2_20210815T031224_20210815T034942_CO01  CS_OFFL_SIR_IOPR_2_20210815T034530_20210815T034942_CO01  CS_OFFL_SIR_IOPR_2_20210815T034530_20210815T040324_CO01  CS_OFFL_SIR_IOPR_2_20210815T040324_CO01  CS_OFFL_SIR_IOPR_2_20210815T040324_CO01  CS_OFFL_SIR_IOPR_2_20210815T040324_20210815T040324_CO01  CS_OFFL_SIR_IOPR_2_20210815T04504_20210815T044614_CO01  CS_OFFL_SIR_IOPR_2_20210815T045044_20210815T045809_CO01  CS_OFFL_SIR_IOPR_2_20210815T045040_20210815T045809_CO01  CS_OFFL_SIR_IOPR_2_20210815T045040_20210815T054529_CO01  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054529_CO01  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054529_CO01  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054259_CO01  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054529_CO01  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054529_CO01  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054529_CO01  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054529_CO01  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054529_CO01  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054529_CO01  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054529_CO01  CS_OFFL_SI	CS_OFFL_SIR_IOPR_2_20210815T020738_20210815T021013_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_C001  Alimeter Range and Backscatter Quality PLRM. CCG_OFFL_SIR_IOPR_2_20210815T031224_20210815T031253_C001  CCG_OFFL_SIR_IOPR_2_20210815T031224_20210815T031253_C001  CCG_OFFL_SIR_IOPR_2_20210815T034530_20210815T034942_C001  Alimeter Range Quality PLRM. CCG_OFFL_SIR_IOPR_2_20210815T034932_C001  CS_OFFL_SIR_IOPR_2_20210815T034932_20210815T040324_C001  CS_OFFL_SIR_IOPR_2_20210815T043854_20210815T040324_C001  CS_OFFL_SIR_IOPR_2_20210815T043854_20210815T044614_C001  CS_OFFL_SIR_IOPR_2_20210815T043854_20210815T045809_C001  CS_OFFL_SIR_IOPR_2_20210815T045044_20210815T045809_C001  CS_OFFL_SIR_IOPR_2_20210815T045040_20210815T050554_C001  CS_OFFL_SIR_IOPR_2_20210815T045040_20210815T050554_C001  CS_OFFL_SIR_IOPR_2_20210815T045040_20210815T050554_C001  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T0545259_C001  CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T071001_C001  Alimeter Range and Backscatter Quality PLRM. CCG_Alimeter Range and Backscatter Quality PlRM. CCG_A	CS_OFFL_SIR_IOPR_2_20210815T022042_20210815T022517_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFFL_SIR_IOPR_2_20210815T034530_20210815T034942_C001  CS_OFFL_SIR_IOPR_2_20210815T034530_20210815T040324_C001  CS_OFFL_SIR_IOPR_2_20210815T034530_20210815T040324_C001  CS_OFFL_SIR_IOPR_2_20210815T035922_20210815T040324_C001  CS_OFFL_SIR_IOPR_2_20210815T035922_20210815T040324_C001  CS_OFFL_SIR_IOPR_2_20210815T043854_20210815T040324_C001  CS_OFFL_SIR_IOPR_2_20210815T043854_20210815T04614_C001  CS_OFFL_SIR_IOPR_2_20210815T043854_20210815T045809_C001  CS_OFFL_SIR_IOPR_2_20210815T045044_20210815T045809_C001  CS_OFFL_SIR_IOPR_2_20210815T045040_20210815T050554_C001  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054259_C001  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054259_C001  CS_OFFL_SIR_IOPR_2_20210815T073327_20210815T070327_20210815T070327_20210815T070327_20210815T070327_20210815T070327_20210815T070327_20210815T070327_20210815T070327_20210815T070327_20210815T070327_20210815T07032858_20210815T0703285	CS_OFFL_SIR_IOPR_2_20210815T030714_20210815T030853_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T034530_20210815T040324_C001  CS_OFFL_SIR_IOPR_2_20210815T043854_20210815T044614_C001  CS_OFFL_SIR_IOPR_2_20210815T043854_20210815T044614_C001  CS_OFFL_SIR_IOPR_2_20210815T045044_20210815T045809_C001  CS_OFFL_SIR_IOPR_2_20210815T045044_20210815T050054_C001  CS_OFFL_SIR_IOPR_2_20210815T045049_20210815T054259_C001  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054259_C001  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054259_C001  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054259_C001  CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T071001_C001  COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T071001_C001  CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T071001_C001  CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T071001_C001  CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T071001_C001  CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T071001_C001  CS_OFFL_SI	CS_OFFL_SIR_IOPR_2_20210815T031224_20210815T031253_C001			
CS_OFFL_SIR_IOPR_2_20210815T035922_20210815T040324_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T043854_20210815T044614_C001  CS_OFFL_SIR_IOPR_2_20210815T045044_20210815T045809_C001  CS_OFFL_SIR_IOPR_2_20210815T045940_20210815T050054_C001  CS_OFFL_SIR_IOPR_2_20210815T045940_20210815T050054_C001  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054259_C001  CS_OFFL_SIR_IOPR_2_20210815T07327_20210815T070327_20210815T071001_C001  CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T070327_20210815T07001_C001  CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T071001_C001  Altimeter Range and Backscatter Quality PLRM, OCOG Altim	CS_OFFL_SIR_IOPR_2_20210815T034530_20210815T034942_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFFL_SIR_IOPR_2_20210815T043854_20210815T044614_C001  and Backscatter Quality PLRM, OCOG 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_IOPR_2_20210815T045044_20210815T045809_C001  CS_OFFL_SIR_IOPR_2_20210815T045940_20210815T050054_C001  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054259_C001  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054259_C001  CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T070327_20210815T071001_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20210815T035922_20210815T040324_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
OCOG Backscatter Quality  CS_OFFL_SIR_IOPR_2_20210815T045940_20210815T050054_C001  OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality  CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054259_C001  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, 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 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.  OCOG Altimeter Range Quality PLRM,  The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20210815T043854_20210815T044614_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
OCOG Backscatter Quality  OCOG Backscatter Quality  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 Altimeter Range Quality Flags Altimeter Range Quality Flags Altimeter Range Altimeter Range Altimeter Range and Backscatter Quality Flags and Backscatter Quality Flags Altimeter Range Altimeter Range Altimeter Range and Backscatter Quality Flags Altimeter Range Altimeter Range Altimeter Range and Backscatter Quality Flags Altimeter Range Altimeter Range and Backscatter Quality Flags Altimeter Range Altimeter Range and Backscatter Quality Flags Altimeter Range Alti	CS_OFFL_SIR_IOPR_2_20210815T045044_20210815T045809_C001			
and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T071001_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, 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 and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T071001_C001  The OCOG Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20210815T045940_20210815T050054_C001			
CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T071001_C001  and Backscatter Quality PLRM, 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_IOPR_2_20210815T070327_20210815T071001_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20210815T054039_20210815T054259_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
	CS_OFFL_SIR_IOPR_2_20210815T070327_20210815T071001_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
	CS_OFFL_SIR_IOPR_2_20210815T073656_20210815T073859_C001			

CG_CRT_SR_CPR_2_126*0867100309_201011700304_0004  CG_CRT_SR_CPR_2_126*0867100309_201011700304_0004  CG_CRT_SR_CPR_2_126*0867100309_201011700304_0004  CG_CRT_SR_CPR_2_126*0867100309_20101170030_0004  CG_CRT_SR_CPR_2_126*0867100309_201011710030_0004  CG_CRT_SR_CPR_2_126*0867100309_201011710030_000		OCOC Altimates Banga Quality DLBM	The OCOG Range and Backscatter Quality Flags have been set for one or	
Comparing   1984   2009   2 and restrict to the price	CS_OFFL_SIR_IOPR_2_20210815T091525_20210815T092207_C001	,		
Section   Column	CS_OFFL_SIR_IOPR_2_20210815T093830_20210815T094440_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
Company   Comp	CS_OFFL_SIR_IOPR_2_20210815T102520_20210815T102720_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
Col. OFFL. SR. IOPR 2_2010015T12094_2010015T12093_COD   Amount Response of Subsection Out of National Response of Subsection Out of N	CS_OFFL_SIR_IOPR_2_20210815T112002_20210815T112414_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
Description	CS_OFFL_SIR_IOPR_2_20210815T120440_20210815T120659_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFFL_SR_DOR_2_222108151132822_20210815133424_CO01  CS_OFFL_SR_DOR_2_2021081513420_20210815133426_CO01  CS_OFFL_SR_DOR_2_2021081513420_20210815133426_CO01  CS_OFFL_SR_DOR_2_2021081513420_20210815133420_CO01  CS_OFFL_SR_DOR_2_2021081513420_20210815133436_CO01  CS_OFFL_SR_DOR_2_2021081513420_20210815133436_CO01  CS_OFFL_SR_DOR_2_2021081513420_20210815133436_CO01  CS_OFFL_SR_DOR_2_2021081513420_20210815133436_CO01  CS_OFFL_SR_DOR_2_2021081513420_2021081513420_CO01  CS_OFFL_SR_DOR_2_2021081513420_2021081513420_CO01  CS_OFFL_SR_DOR_2_2021081513420_2021081513420_CO01  CS_OFFL_SR_DOR_2_2021081513533_C021081513420_CO01  CS_OFFL_SR_DOR_2_2021081513533_C021081513420_CO01  CS_OFFL_SR_DOR_2_2021081513533_C021081513420_CO01  CS_OFFL_SR_DOR_2_222108151132020_C001  CS_OFFL_SR_DOR_2_22210815113533_C021081513420_CO01  CS_OFFL_SR_DOR_2_22210815113533_C02108151142740_CO01  CS_OFFL_SR_DOR_2_2221081511353_C001  CS_OFFL_SR_DOR_2_2221081511353_C001  CS_OFFL_SR_DOR_2_2221081511353_C001  CS_OFFL_SR_DOR_2_2221081511353_C001  CS_OFFL_SR_DOR_2_2221081511353_C001  CS_OFFL_SR_DOR_2_222	CS_OFFL_SIR_IOPR_2_20210815T121827_20210815T122033_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CB_OFFL_SR_OFR_2_20210915T133292_20210915T135942_C001  CB_OFFL_SR_OFR_2_20210915T13570_20210915T135942_C001  CB_OFFL_SR_OFR_2_20210915T13570_20210915T135942_C001  CB_OFFL_SR_OFR_2_20210915T14570_20210915T14570_C001  CB_OFFL_SR_OFR_2_20210915T14570_C001  CB_OFFL_SR_OFR_2_202109	CS_OFFL_SIR_IOPR_2_20210815T125828_20210815T130457_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFFL_SIR_IOPR_2_20210815T145782_0210815T14528_C001  CS_OFFL_SIR_IOPR_2_20210815T14538_02210815T14528_C001  CS_OFFL_SIR_IOPR_2_20210815T14538_02210815T14528_C001  CS_OFFL_SIR_IOPR_2_20210815T14538_02210815T14528_C001  CS_OFFL_SIR_IOPR_2_20210815T14538_02210815T14528_C001  CS_OFFL_SIR_IOPR_2_20210815T14538_02210815T14528_C001  CS_OFFL_SIR_IOPR_2_20210815T14538_02210815T14528_C001  CS_OFFL_SIR_IOPR_2_20210815T14538_02210815T14528_C001  CS_OFFL_SIR_IOPR_2_20210815T14538_02210815T14528_C001  CS_OFFL_SIR_IOPR_2_20210815T14528_02210815T14528_C001  CS_OFFL_SIR_IOPR_2_20210815T14528_C001  CS_OFFL_SIR_IOPR_2_20210815T14528_C0010  CS_OFFL_SIR_IOPR_2_20210815T14528_C0010  CS_OFFL_SIR_IOPR_2_20210815T14528_C0010  CS_OFFL_SIR_IOPR_2_20210815T14528_C0010  CS_OFFL_SIR_IOPR_2_20210815T14678_C0010  CS_OFFL_SIR_IOPR_2_20	CS_OFFL_SIR_IOPR_2_20210815T134220_20210815T134646_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
OCCG Backscater Quality  CS_OFFL_SIR_OPR_2_20210915T143348_20210915T143248_C001  OCCG Altimeter Range Quality PLRM, OCCG Backscater Quality  The OCCGG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been set for one or one records.  The OCCG Range and Backscatter Quality Plags have been s	CS_OFFL_SIR_IOPR_2_20210815T135736_20210815T135942_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
OCOG Basckscatter Quality  CS. OFFL_SIR_IOPR_2_20210815T143349_20210815T143747.0001  CS. OFFL_SIR_IOPR_2_20210815T143349_20210815T143748.C001  CS. OFFL_SIR_IOPR_2_20210815T144748.C001  CS. OFFL_SIR_IOPR_2_20210815T142228_20210815T165824_C001  CS. OFFL_SIR_IOPR_2_20210815T162828_20210815T165824_C001  CS. OFFL_SIR_IOPR_2_20210815T16938_2001  CS. OFFL_SIR_IOPR_2_20210815T179341_C001  CS. OFFL_SIR_IOPR_2_20210815T179341_C001  CS. OFFL_SIR_IOPR_2_20210815T17934_2001  CS. OFFL_SIR_IOPR_2_20210815T19340_2001  CS. OFFL_SIR_IOPR_2_2	CS_OFFL_SIR_IOPR_2_20210815T142723_20210815T142751_C001			
OCOG Backscatter Quality PLRM.	CS_OFFL_SIR_IOPR_2_20210815T143136_20210815T143226_C001			
CS_OFFL_SR_JOPR_2_20210815T152226_20210815T152824_C001  CS_OFFL_SR_JOPR_2_20210815T152226_20210815T152824_C001  CS_OFFL_SR_JOPR_2_20210815T152226_20210815T152824_C001  CS_OFFL_SR_JOPR_2_20210815T153613_20210815T154029_C001  CS_OFFL_SR_JOPR_2_20210815T150835_20210815T150836_C001  CS_OFFL_SR_JOPR_2_20210815T160835_20210815T160936_C001  CS_OFFL_SR_JOPR_2_20210815T160835_20210815T160936_C001  CS_OFFL_SR_JOPR_2_20210815T170835_20210815T160936_C001  CS_OFFL_SR_JOPR_2_20210815T170835_20210815T160936_C001  CS_OFFL_SR_JOPR_2_20210815T170835_20210815T160936_C001  CS_OFFL_SR_JOPR_2_20210815T170127_20210815T170341_C001  CS_OFFL_SR_JOPR_2_20210815T170127_20210815T170341_C001  CS_OFFL_SR_JOPR_2_20210815T170127_20210815T170341_C001  CS_OFFL_SR_JOPR_2_20210815T175736_20210815T180509_C001  CS_OFFL_SR_JOPR_2_20210815T175736_20210815T180509_C001  CS_OFFL_SR_JOPR_2_20210815T175736_20210815T180509_C001  CS_OFFL_SR_JOPR_2_20210815T19344_C001  CS_OFFL_SR_JOPR_2_20210815T19344_C001  CS_OFFL_SR_JOPR_2_20210815T19344_C001  CS_OFFL_SR_JOPR_2_20210815T19344_C001  CS_OFFL_SR_JOPR_2_20210815T19344_C001  CS_OFFL_SR_JOPR_2_20210815T19344_C001  CS_OFFL_SR_JOPR_2_20210815T193405_20210815T180509_C001  CS_OFFL_SR_JOPR_2_20210815T19344_C001  CS	CS_OFFL_SIR_IOPR_2_20210815T143349_20210815T143417_C001			
CS_OFFL_SIR_IOPR_2_20210815T152282_2010815T152824_C001  and Backscatter Quality PLRM, CCCG Allmeter Range, SSHA, SWH and Backscatter Quality PLRM, CCCG Allmeter Range and Backscatter Quality PLRM, CCCG Allmeter Range and Backscatter Quality PLRM, CCCG Allmeter Range and Backscatter Quality Plags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T160835_20210815T160936_C001  CS_OFFL_SIR_IOPR_2_20210815T160835_20210815T160936_C001  CS_OFFL_SIR_IOPR_2_20210815T160835_20210815T160936_C001  CS_OFFL_SIR_IOPR_2_20210815T160835_20210815T160936_C001  CS_OFFL_SIR_IOPR_2_20210815T170127_20210815T170341_C001  Allmeter Range SSHA, SWH and Backscatter Quality PLRM, CCCG Allmeter Range	CS_OFFL_SIR_IOPR_2_20210815T144709_20210815T144749_C001			
CS_OFFL_SIR_IOPR_2_20210815T150813_20210815T160936_C001  CS_OFFL_SIR_IOPR_2_20210815T160835_20210815T160936_C001  CS_OFFL_SIR_IOPR_2_20210815T160835_20210815T160936_C001  CS_OFFL_SIR_IOPR_2_20210815T160835_20210815T160936_C001  CS_OFFL_SIR_IOPR_2_20210815T160835_20210815T160936_C001  CS_OFFL_SIR_IOPR_2_20210815T160835_20210815T160936_C001  CS_OFFL_SIR_IOPR_2_20210815T160835_20210815T160836_C001  CS_OFFL_SIR_IOPR_2_20210815T170127_20210815T160836_C001  CS_OFFL_SIR_IOPR_2_20210815T170127_20210815T170341_C001  CS_OFFL_SIR_IOPR_2_20210815T170127_20210815T170341_C001  CS_OFFL_SIR_IOPR_2_20210815T175736_20210815T170341_C001  CS_OFFL_SIR_IOPR_2_20210815T175736_20210815T180509_C001  CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T18405_C001  CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T18405_C001  CS_OFFL_SIR_IOPR_2_20210815T191214_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T191214_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T191214_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T191214_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T191240_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T19340_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T19409_C001  CS_OFFL_SIR_I	CS_OFFL_SIR_IOPR_2_20210815T152226_20210815T152624_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
OCG Backscatter Quality  CS_OFFL_SIR_IOPR_2_20210815T161801_20210815T162625_C001  CS_OFFL_SIR_IOPR_2_20210815T161801_20210815T162625_C001  CS_OFFL_SIR_IOPR_2_20210815T170127_20210815T170341_C001  CS_OFFL_SIR_IOPR_2_20210815T170127_20210815T170341_C001  CS_OFFL_SIR_IOPR_2_20210815T175736_20210815T170341_C001  CS_OFFL_SIR_IOPR_2_20210815T175736_20210815T180509_C001  CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T18450_C001  CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T18450_C001  CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T185948_C001  CS_OFFL_SIR_IOPR_2_20210815T19214_20210815T19340_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T19340_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T193647_20210815T193680_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_202	CS_OFFL_SIR_IOPR_2_20210815T153613_20210815T154029_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFFL_SIR_IOPR_2_20210815T161801_20210815T162625_C001  and Backscatter Quality PLRM, OCOG Allimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Allimeter Range and Backscatter Qualit	CS_OFFL_SIR_IOPR_2_20210815T160835_20210815T160936_C001			
CS_OFFL_SIR_IOPR_2_20210815T170127_20210815T170341_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T171510_20210815T171856_C001  CS_OFFL_SIR_IOPR_2_20210815T175736_20210815T180509_C001  CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T184150_C001  CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T184050_C001  CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T185948_C001  CS_OFFL_SIR_IOPR_2_20210815T185257_20210815T185948_C001  CS_OFFL_SIR_IOPR_2_20210815T191214_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T191244_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T191244_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T194209_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T	CS_OFFL_SIR_IOPR_2_20210815T161801_20210815T162625_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have beer	
CS_OFFL_SIR_IOPR_2_20210815T171510_20210815T171856_C001  and Backscatter Quality PLRM, COG Altimeter Range and Backscatter Quality Flags and the OCGG Altimeter Range and Backscatter Quality Flags and the OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T184150_C001  CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T184150_C001  CS_OFFL_SIR_IOPR_2_20210815T185257_20210815T185948_C001  CS_OFFL_SIR_IOPR_2_20210815T185257_20210815T185948_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T19340_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T194209_C001  CS_OFFL_SIR_IOPR_2_20210815T193	CS_OFFL_SIR_IOPR_2_20210815T170127_20210815T170341_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFFL_SIR_IOPR_2_20210815T175736_20210815T180509_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T184150_C001  CS_OFFL_SIR_IOPR_2_20210815T185257_20210815T185948_C001  CS_OFFL_SIR_IOPR_2_20210815T185257_20210815T185948_C001  CS_OFFL_SIR_IOPR_2_20210815T191214_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T191214_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T191214_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T194209_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T194209_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T200820_C001  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Plags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  And Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Plags have been set for one or more records.  The Ocoa Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocoa Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocoa Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20210815T171510_20210815T171856_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T184150_C001  and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T185257_20210815T185948_C001  CS_OFFL_SIR_IOPR_2_20210815T191214_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T191214_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T191214_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T194209_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T194209_C001  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  CS_OFFL_SIR_IOPR_2_20210815T200336_20210815T200820_C001  CS_OFFL_SIR_IOPR_2_20210815T200336_20210815T200820_	CS_OFFL_SIR_IOPR_2_20210815T175736_20210815T180509_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFFL_SIR_IOPR_2_20210815T185257_20210815T185948_C001  and Backscatter Quality PLRM, 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_IOPR_2_20210815T191214_20210815T191340_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T194209_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T194209_C001  CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T194209_C001  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  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.	CS_OFFL_SIR_IOPR_2_20210815T184051_20210815T184150_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
OCOG Backscatter Quality  OCOG Backscatter Quality  OCOG Backscatter Quality  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.  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  OCOG Altimeter Range Quality PLRM,  The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20210815T185257_20210815T185948_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T194209_C001  and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_IOPR_2_20210815T20035_20210815T200820_C001  CS_OFFL_SIR_IOPR_2_20210815T20035_20210815T200820_C001  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 OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20210815T191214_20210815T191340_C001			
CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001  and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality PLRM  and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20210815T193647_20210815T194209_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
	CS_OFFL_SIR_IOPR_2_20210815T200316_20210815T200820_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been	
	CS_OFFL_SIR_IOPR_2_20210815T204035_20210815T204157_C001			

CS_OFFL_SIR_IOPR_2_20210815T211932_20210815T212255_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_IOPR_2_20210815T213623_20210815T214423_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_IOPR_2_20210815T215846_20210815T220025_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_IOPR_2_20210815T224009_20210815T224244_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_IOPR_2_20210815T225404_20210815T225915_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_IOPR_2_20210815T233742_20210815T233953_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_IOPR_2_20210815T235123_20210815T235331_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	

### L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors: 185

# 5.8 L2 Ocean Retracking Quality Check

#### L2 Retracking Flags (20Hz)

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

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors: 57

### L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors: 143

## 6. IOP L2 Pole-to-Pole Data Quality Check

# 6.1 P2P 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:

## 6.2 P2P 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:

# 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

### 6.4 P2P Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description	
CS_OFFL_SIR_IOP_2_20210815T003707_20210815T012646_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)	
CS_OFFL_SIR_IOP_2_20210815T012646_20210815T021621_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)	
CS_OFFL_SIR_IOP_2_20210815T021621_20210815T030600_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)	
CS_OFFL_SIR_IOP_2_20210815T030600_20210815T035536_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)	

CS_OFFL_SIR_IOP_220210815T035536_20210815T044515_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)
CS_OFFL_SIR_IOP_2_20210815T044515_20210815T053450_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)
CS_OFFL_SIR_IOP_220210815T053450_20210815T062430_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Mean Stid Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_IOP_220210815T062430_20210815T071405_C001	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 tidal corrections for one or more records
CS_OFFL_SIR_IOP_220210815T071405_20210815T080344_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)
CS_OFFL_SIR_IOP_220210815T080344_20210815T085320_C001	mean sea surrace (1), mean uynamic 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 tidal corrections for one or more records
CS_OFFL_SIR_IOP_220210815T085320_20210815T094259_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)
CS_OFFL_SIR_IOP_220210815T094259_20210815T103234_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)
CS_OFFL_SIR_IOP_220210815T103234_20210815T112214_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)
CS_OFFL_SIR_IOP_2_20210815T112214_20210815T121149_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)
CS_OFFL_SIR_IOP_2_20210815T121149_20210815T130128_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)
CS_OFFL_SIR_IOP_2_20210815T130128_20210815T135104_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)
CS_OFFL_SIR_IOP_2_20210815T135104_20210815T144043_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)
CS_OFFL_SIR_IOP_2_20210815T144043_20210815T153018_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)
CS_OFFL_SIR_IOP_220210815T153018_20210815T161958_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)
CS_OFFL_SIR_IOP_2_20210815T161958_20210815T170933_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)
CS_OFFL_SIR_IOP_220210815T170933_20210815T175912_C001	mean sea surrace (1), mean uynamic 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 tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20210815T175912_20210815T184848_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)  Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210815T184848_20210815T193827_C001	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 tidal corrections for one or more records
CS_OFFL_SIR_IOP_220210815T193827_20210815T202802_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)
CS_OFFL_SIR_IOP_220210815T202802_20210815T211742_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20210815T211742_20210815T220717_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)
CS_OFFL_SIR_IOP_2_20210815T220717_20210815T225656_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)
CS_OFFL_SIR_IOP_2_20210815T225656_20210815T234632_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)
CS_OFFL_SIR_IOP_220210815T234632_20210816T003611_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

# 6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220210815T053450_20210815T062430_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220210815T112214_20210815T121149_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220210815T184848_20210815T193827_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

# 6.6 P2P Measurement Quality Flag Check

### P2P Quality Flags (20Hz)

CryoSat P2P data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors:

### P2P Quality Flags (20Hz PLRM)

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors:

30

### P2P Quality Flags (1 Hz & 1Hz PLRM)

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors:

30

28

## 6.8 P2P Ocean Retracking Quality Check

# P2P Retracking Flags (20Hz)

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20-Hz 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 IOPR and IOPN products over sea ice, but this is to be expected.

Number of products with errors:

•

### P2P Retracking Flags 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 IOPR and IOPN products over sea ice, but this is to be expected.

Number of products with errors:

# 7. IOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_IOPM1B	173	0	0	0	0
SIR_IOPR1B	116	0	0	0	0
SIR_IOPN1B	109	0	0	0	0
SIR_IOPM_2	173	0	0	0	0
SIR_IOPR_2	116	0	0	0	0
SIR_IOPN_2	109	0	0	0	0
SIR_IOP_P2P	29	0	0	0	0

# 7.1 QCC Errors

Number of QCC reports with errors:

0

# 7.2 QCC Warnings

Number of QCC reports with warnings

0

# 7.3 Missing QCC Reports

Number of products with missing QCC reports:

0