

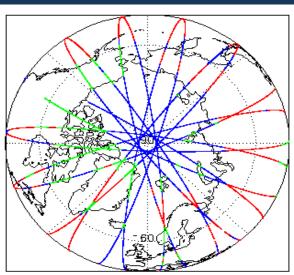
1. Overview

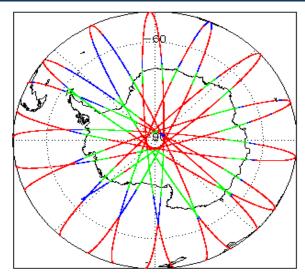
Report Production:	03-Feb-2020 CryoSat Ocean Processor	
Processor Used:		
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	

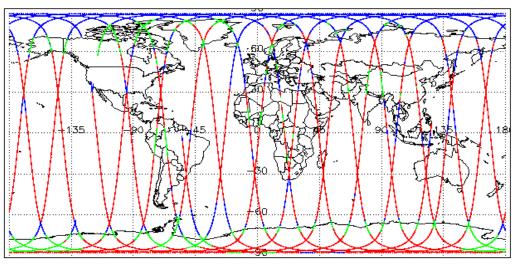
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary 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

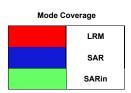
Mission / Instrument News		
28-Jan-2020	None	
29-Jan-2020	None	
30-Jan-2020	Nothing planned	

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

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).

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:

Ω

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:

2

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20200129T113744_20200129T115228_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20200129T122549_20200129T123510_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_20200129T031212_20200129T033233_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20200129T105128_20200129T105955_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20200129T120823_20200129T122337_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20200129T174214_20200129T174412_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200129T010946_20200129T011413_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200129T020722_20200129T021049_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200129T115313_20200129T115455_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200129T152401_20200129T152628_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200129T224322_20200129T224423_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200129T010810_20200129T010852_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200129T060850_20200129T061820_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200129T093311_20200129T093852_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200129T130135_20200129T130243_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200129T183119_20200129T183413_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200129T191737_20200129T191942_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200129T205112_20200129T205744_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:

C

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

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.

Number of products with errors:

61

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20200129T143639_20200129T143700_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_IOPM_2_20200129T191511_20200129T191522_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_20200129T231155_20200129T232832_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_20200129T002810_20200129T003045_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_20200129T010946_20200129T011413_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_20200129T020722_20200129T021049_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_20200129T024844_20200129T025234_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_20200129T034829_20200129T035009_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_20200129T060527_20200129T060647_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_20200129T065735_20200129T065859_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_20200129T070425_20200129T070737_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_20200129T075540_20200129T075642_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_20200129T083710_20200129T083824_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_20200129T084322_20200129T084644_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_20200129T101758_20200129T102034_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_20200129T111309_20200129T111429_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_20200129T115504_20200129T115927_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_20200129T125226_20200129T125330_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_20200129T133527_20200129T133720_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_20200129T134542_20200129T134730_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_20200129T160438_20200129T160513_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_20200129T161159_20200129T161812_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_20200129T183413_20200129T183733_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_20200129T184255_20200129T184414_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_20200129T201307_20200129T201627_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_20200129T202148_20200129T202313_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_20200129T210232_20200129T210523_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_20200129T214938_20200129T215135_C001	Mean Dynamic Topography (1)	The results of the Mean Dynamic Topography height for one or more records

CS_OFFL_SIR_IOPN_2_20200129T220012_20200129T220145_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_20200129T224322_20200129T224423_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_20200129T233740_20200129T233946_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_20200129T003045_20200129T003256_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_20200129T011413_20200129T011432_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_20200129T011432_20200129T012115_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_20200129T025235_20200129T025740_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_20200129T042927_20200129T043817_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_20200129T060850_20200129T061820_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_20200129T062004_20200129T062203_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_20200129T062543_20200129T062730_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_20200129T074412_20200129T075413_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_20200129T075413_20200129T075540_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_20200129T092627_20200129T093311_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_20200129T093311_20200129T093852_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_20200129T110553_20200129T111158_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_20200129T111158_20200129T111308_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_20200129T113530_20200129T113744_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPR_2_20200129T124557_20200129T124640_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_20200129T124649_20200129T124730_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_20200129T124759_20200129T124952_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_20200129T124952_20200129T125225_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_20200129T130135_20200129T130243_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_20200129T142431_20200129T142538_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_20200129T142538_20200129T143138_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_20200129T160652_20200129T161159_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_20200129T173451_20200129T173544_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_20200129T173622_20200129T173645_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_20200129T174027_20200129T174214_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_20200129T174549_20200129T175359_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_20200129T192434_20200129T193302_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_20200129T210523_20200129T211308_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_20200129T224423_20200129T225007_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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20200129T113744_20200129T115228_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_20200129T122549_20200129T123510_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.

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Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20200128T235038_20200129T000148_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_20200129T000447_20200129T001913_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_20200129T002120_20200129T002615_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_20200129T002652_20200129T002810_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_20200129T003459_20200129T003944_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_20200129T005235_20200129T010354_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_20200129T014307_20200129T015816_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_20200129T020054_20200129T020528_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_20200129T021145_20200129T023839_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_20200129T031212_20200129T033233_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_20200129T033312_20200129T033805_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_20200129T034054_20200129T034442_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_20200129T034503_20200129T034829_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_20200129T035053_20200129T041822_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_20200129T044109_20200129T051718_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_20200129T051906_20200129T052356_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_20200129T053135_20200129T060527_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_20200129T065032_20200129T065209_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_20200129T065409_20200129T065700_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_20200129T065900_20200129T070424_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_IOPM_2_20200129T071016_20200129T073227_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_20200129T073512_20200129T074412_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_20200129T075707_20200129T080004_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_20200129T081628_20200129T083618_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_20200129T084926_20200129T092208_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_20200129T094747_20200129T101100_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_20200129T102907_20200129T104504_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_20200129T104509_20200129T104647_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_20200129T105128_20200129T105955_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_20200129T110005_20200129T110006_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_20200129T110336_20200129T110414_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_20200129T111429_20200129T111722_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_20200129T111919_20200129T113530_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_20200129T113744_20200129T115228_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_20200129T115928_20200129T120139_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20200129T120224_20200129T120641_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_20200129T120823_20200129T122337_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_20200129T122549_20200129T123510_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_20200129T130322_20200129T131033_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_20200129T131035_20200129T131444_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_20200129T131944_20200129T133423_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_20200129T133720_20200129T134542_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_20200129T134758_20200129T140508_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_20200129T140551_20200129T141021_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_20200129T144647_20200129T144957_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_20200129T145005_20200129T151351_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_20200129T151619_20200129T151817_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

Committee Control	CS_OFFL_SIR_IOPM_2_20200129T151904_20200129T152401_C001	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
Ch. OFT. JR. OFT. J. 20091031110546_180002715559_0000 Ch. OFT. JR. OFT.	00_0112_011_01111_2_00001201101004_002001201102401_0001	·	
Col. PRIL 98 (1974 2 2000105716000 2000009717044 (2001)	CS_OFFL_SIR_IOPM_2_20200129T152649_20200129T152923_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Co. OFFL SIR IDPN 2_2000019117639_200001917639_0000 Co. OFFL SIR IDPN 2_200001917639_200001917639_0000 Co. OFFL SIR IDPN 2_200001917639_200001917629_0000 Co. OFFL SIR IDPN 2_200001917639_200001917629_000001917629_000019	CS_OFFL_SIR_IOPM_2_20200129T152926_20200129T155234_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
St. GPFL_SRI_DPFL_2_20000109117918_2000129117946_CO01 St. GPFL_SRI_DPFL_2_20000109117918_2000129117944_CO01 St. GPFL_SRI_DPFL_2_20000109117914_2000129179442_CO01 St. GPFL_SRI_DPFL_2_20000109117914_2000129179442_CO01 St. GPFL_SRI_DPFL_2_20000109117917_2000129179442_CO01 St. GPFL_SRI_DPFL_2_20000109117917_200012917942000000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20200129T165825_20200129T170424_C001		
Section of the Control of the Contro	CS_OFFL_SIR_IOPM_2_20200129T170556_20200129T172833_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
28_OFFL_SIR_LOPAL_2_2020129119270_2020129119270_00000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20200129T172835_20200129T173448_C001		
acid Badwarder Cuality COCCA Afferted Reging of 10 Badwarder Cuality COCCA Afferted Reging of 10 Badwarder Cuality COCCA Afferted Reging of 10 Badwarder Cuality COCCA Afferted Reging Cuality COCCA Afferted Reging of 10 Badwarder Cuality COCCA Afferted	CS_OFFL_SIR_IOPM_2_20200129T174214_20200129T174412_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Coasily — Care or more records. C3_OFFL_SIR_LOPM_2_20200129T184486_20200129T18600_C001 C5_OFFL_SIR_LOPM_2_20200129T186438_20200129T186710_C001 C5_OFFL_SIR_LOPM_2_20200129T186388_20200129T18670_C001 C5_OFFL_SIR_LOPM_2_20200129T190631_20200129T186802_C001 C5_OFFL_SIR_LOPM_2_20200129T190631_20200129T186802_C001 C5_OFFL_SIR_LOPM_2_20200129T190631_20200129T186802_C001 C5_OFFL_SIR_LOPM_2_20200129T190631_20200129T186802_C001 C5_OFFL_SIR_LOPM_2_20200129T190631_20200129T1806802_C001 C5_OFFL_SIR_LOPM_2_20200129T190632_20200129T1806802_C001 C5_OFFL_SIR_LOPM_2_20200129T190632_20200129T1806802_C001 C5_OFFL_SIR_LOPM_2_20200129T190632_20200129T1806802_C001 C5_OFFL_SIR_LOPM_2_20200129T190632_20200129T1806802_C001 C5_OFFL_SIR_LOPM_2_20200129T190632_20200129T1906342_C001 C5_OFFL_SIR_LOPM_2_20200129T190632_20200129T190534_C001 C5_OFFL_SIR_LOPM_2_20200129T1906302_20200129T190534_C001 C5_OFFL_SIR_LOPM_2_20200129T1906302_20200129T190534_C001 C5_OFFL_SIR_LOPM_2_20200129T1906302_20200129T190534_C001 C5_OFFL_SIR_LOPM_2_20200129T1906302_20200129T190534_C001 C5_OFFL_SIR_LOPM_2_20200129T1906302_20200129T190538_C001 C5_OFFL_SIR_LOPM_2_20200129T1906302_20200129T190538_C001 C5_OFFL_SIR_LOPM_2_20200129T1906302_20200129T190538_C001 C5_OFFL_SIR_LOPM_2_20200129T1906302_20200129T190538_C001 C5_OFFL_SIR_LOPM_2_20200129T1906302_20200129T190538_C001 C5_OFFL_SIR_LOPM_2_20200129T1906302_20200129T190638_C001 C5_OFFL_SIR_LOPM_2_20200129T1906302_20200129T190638_C001 C5_OFFL_SIR_LOPM_2_20200129T190638_20200129T190638_C001 C5_OFFL_SIR_LOPM_2_20200129T190638_20200129T190638_C001 C5_OFFL_SIR_LOPM_2_20200129T190638_20200129T190638_C001 C5_OFFL_SIR_LOPM_2_20200129T190638_20200129T190638_C001 C5_OFFL_SIR_LOPM_2_20200129T190638_20200129T190638_C001 C5_OFFL_SIR_LOPM_2_20200129T190638_20200129T190638_C001 C5_OFFL_SIR_LOPM_2_20200129T190638_20200129T190638_C001 C5_OFFL_SIR_LOPM_2_20200129T190638_20200129T190638_C001 C5_OFFL_SIR_LOPM_2_20200129T190638_20200129T190638_C001 C5_OFFL_SIR_LOPM_2_20200129T190638_20200129T1906	CS_OFFL_SIR_IOPM_2_20200129T175717_20200129T183119_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality Long Name Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T190358_2020129T190508_0001 CS_OFFL_SIR_IOPM_2_20200129T190551_2020129T190528_0001 CS_OFFL_SIR_IOPM_2_20200129T190553_2020129T190528_0001 CS_OFFL_SIR_IOPM_2_20200129T190553_2020129T190528_0001 CS_OFFL_SIR_IOPM_2_20200129T190553_2020129T190528_0001 CS_OFFL_SIR_IOPM_2_20200129T190553_2020129T190528_0001 CS_OFFL_SIR_IOPM_2_20200129T190553_2020129T190528_0001 CS_OFFL_SIR_IOPM_2_20200129T190553_2020129T190544_0001 CS_OFFL_SIR_IOPM_2_20200129T190576_2020129T190544_0001 CS_OFFL_SIR_IOPM_2_20200129T190576_2020129T190544_0001 CS_OFFL_SIR_IOPM_2_20200129T190576_2020129T190544_0001 CS_OFFL_SIR_IOPM_2_20200129T190576_2020129T190544_0001 CS_OFFL_SIR_IOPM_2_20200129T190576_2020129T190544_0001 CS_OFFL_SIR_IOPM_2_20200129T190576_2020129T190544_0001 CS_OFFL_SIR_IOPM_2_20200129T190576_2020129T190544_0001 CS_OFFL_SIR_IOPM_2_20200129T190576_2020129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T190576_2020129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T190576_2020129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201067_2020129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201067_2020129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201067_2020129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201067_2020129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201067_2020129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201067_2020129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201068_000129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201068_000129T201068_0001 CS_OFFL_SIR_IOPM_2_20200129T201068_000129T201068_0001 CCS_OFFL_SIR_IOPM_2_20200129T201068_000129T201068_0001 CCS_OFFL_SIR_IOPM_2_20200129T201068_000129T201068_0001 CCS_OFFL_SIR_IOPM_2_20200129T201	CS_OFFL_SIR_IOPM_2_20200129T183733_20200129T184255_C001		
Specissorier Coulty CS_OFFL_SIR_IOPM_2_20200129T192051_2000129T190626_C001 Special Country CS_OFFL_SIR_IOPM_2_20200129T192053_2000129T190626_C001 Special Country CS_OFFL_SIR_IOPM_2_20200129T192053_2000129T192256_C001 CS_OFFL_SIR_IOPM_2_20200129T192053_2000129T192256_C001 Altereder Range, SSHA, SWH and Backscatter Country Flags and the COCO Altereder Range and Backscatter Country Flags and the COCO Altereder Range and Backscatter Country Flags and the COCO Altereder Range and Backscatter Country Flags and the COCO Altereder Range and Backscatter Country Flags and the COCO Altereder Range and Backscatter Country Flags and the COCO Altereder Range and Backscatter Country Flags and the COCO Altereder Range and Backscatter Country Flags and the COCO Altereder Range and Backscatter Country Flags and the COCO Altereder Range and Backscatter Country Flags and Backsca	CS_OFFL_SIR_IOPM_2_20200129T184455_20200129T185050_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20201129T192553_20201129T19258_CD01 Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been self or one or more records. CS_OFFL_SIR_IOPM_2_20201129T192341_20201129T192434_CD01 CS_OFFL_SIR_IOPM_2_20201129T192341_20201129T19434_CD01 CS_OFFL_SIR_IOPM_2_20201129T193706_20201129T19434_CD01 CS_OFFL_SIR_IOPM_2_20201129T194819_20201129T19434_CD01 CS_OFFL_SIR_IOPM_2_20201129T194819_20201129T201736_CD01 CS_OFFL_SIR_IOPM_2_20201129T20173706_2D01129T201736_CD01 CS_OFFL_SIR_IOPM_2_20201129T2017371_D011 CS_OFFL_SIR_IOPM_2_20201129T201738_CD01 CS_OFFL_SIR_IOPM_2_20201129T2000129T201738_CD01 CS_OFFL_SIR_IOPM_2_20201129T2000129T201738_CD01 CS_OFFL_SIR_IOPM_2_20201129T2000129T201738_CD01 CS_OFFL_SIR_IOPM_2_20201129T2000129T201738_CD01 CS_OFFL_SIR_IOPM_2_20201129T2000129T2000129T2000129T20000129T20000129T20000000000	CS_OFFL_SIR_IOPM_2_20200129T185338_20200129T185710_C001		
and Backscatter Countity, COGO Alfimeter Range and Backscatter Countity Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20200129T192341_20200129T19434_CO01 CS_OFFL_SIR_JOPM_2_20200129T194819_20200129T201038_CO01 Alfimeter Range and Backscatter Countity Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20200129T194819_20200129T201038_CO01 Alfimeter Range and Backscatter Countity Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20200129T194819_20200129T201038_CO01 Alfimeter Range and Backscatter Countity Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20200129T194819_20200129T201038_CO01 Alfimeter Range and Backscatter Countity Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20200129T201627_20200129T201738_CO01 CS_OFFL_SIR_JOPM_2_20200129T201627_20200129T201738_CO01 CS_OFFL_SIR_JOPM_2_20200129T201627_20200129T201738_CO01 CS_OFFL_SIR_JOPM_2_20200129T201741_20200129T202148_CO01 CS_OFFL_SIR_JOPM_2_20200129T201741_20200129T202148_CO01 CS_OFFL_SIR_JOPM_2_20200129T20403_20200129T204552_CO01 CS_OFFL_SIR_JOPM_2_20200129T20403_20200129T204436_CO01 CS_OFFL_SIR_JOPM_2_20200129T203839_20200129T204436_CO01 CS_OFFL_SIR_JOPM_2_20200129T203839_20200129T204436_CO01 CS_OFFL_SIR_JOPM_2_20200129T203839_20200129T21438_CO01 CS_OFFL_SIR_JOPM_2_20200129T215442_20200129T21438_CO01 CS_OFFL_SIR_JOPM_2_20200129T2154442_20200129T21438_CO01 CS_OFFL_SIR_JOPM_2_20200129T215444_20200129T21438_CO01 CS_OFFL_SIR_JOPM_2_20200129T215444_20200129T214384_CO01 CS_OFFL_SIR_JOPM_2_20200129T215444_20200129T214384_CO01 CS_OFFL_SIR_JOPM_2_20200129T215444_20200129T214584_CO01 CS_OFFL_SIR_JOPM_2_20200129T215444_20200129T214584_CO01 CS_OFFL_SIR_JOPM_2_20200129T215442_20200129T214584_CO01 CS_OFFL_SIR_JOPM_2_20200129T215442_20200129T214584_CO01 CS_OFFL_SIR_JOPM_2_20200129T215442_20200129T214584_CO01 CS_OFFL_SIR_JOPM_2_20200129T215442_20200129T214584_CO01 CS_OFFL_SIR_JOPM_2_20200129T215442_20200129T224322_CO01 CCG_OFFL_SIR_JOPM_2_20200129T224320_C00129T224322_C	CS_OFFL_SIR_IOPM_2_20200129T190651_20200129T190828_C001		
and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20200129T194519_20200129T201038_CO01 CS_OFFL_SIR_JOPM_2_20200129T201627_20200129T201038_CO01 CS_OFFL_SIR_JOPM_2_20200129T201627_20200129T201038_CO01 CS_OFFL_SIR_JOPM_2_20200129T201627_20200129T201736_CO01 CS_OFFL_SIR_JOPM_2_20200129T201627_20200129T201736_CO01 CS_OFFL_SIR_JOPM_2_20200129T201627_20200129T202148_CO01 CS_OFFL_SIR_JOPM_2_20200129T202403_20200129T203655_CO01 CS_OFFL_SIR_JOPM_2_20200129T203839_20200129T204438_CO01 CS_OFFL_SIR_JOPM_2_20200129T203839_20200129T204438_CO01 CS_OFFL_SIR_JOPM_2_20200129T203839_20200129T204438_CO01 CS_OFFL_SIR_JOPM_2_20200129T203839_20200129T204438_CO01 CS_OFFL_SIR_JOPM_2_20200129T203839_20200129T204438_CO01 CS_OFFL_SIR_JOPM_2_20200129T203839_20200129T204438_CO01 CS_OFFL_SIR_JOPM_2_20200129T21308_20200129T204438_CO01 CS_OFFL_SIR_JOPM_2_20200129T21308_20200129T204438_CO01 CS_OFFL_SIR_JOPM_2_20200129T215384_CO01 CS_OFFL_SIR_JOPM_2_20200129T215384_C001 CS_OFFL_SIR_JOPM_2_20200129T215484_C001 CS_OFFL_SIR_JOPM_2_20200129T215484_C001149724322_C001 COCOA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CC_OFFL_SIR_JOPM_2_20200129T215484_C001129T223847_C	CS_OFFL_SIR_IOPM_2_20200129T192053_20200129T192258_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T194819_20200129T201038_C001 CS_OFFL_SIR_IOPM_2_20200129T201627_20200129T201736_C001 CS_OFFL_SIR_IOPM_2_20200129T201627_20200129T201736_C001 CS_OFFL_SIR_IOPM_2_20200129T201627_20200129T201736_C001 CS_OFFL_SIR_IOPM_2_20200129T201741_20200129T201748_C001 CS_OFFL_SIR_IOPM_2_20200129T201741_20200129T202148_C001 CS_OFFL_SIR_IOPM_2_20200129T202403_20200129T203652_C001 CS_OFFL_SIR_IOPM_2_20200129T202403_20200129T203652_C001 CS_OFFL_SIR_IOPM_2_20200129T203839_20200129T204436_C001 CS_OFFL_SIR_IOPM_2_20200129T203839_20200129T204436_C001 CS_OFFL_SIR_IOPM_2_20200129T203839_20200129T204436_C001 CS_OFFL_SIR_IOPM_2_20200129T21308_20200129T21438_C001 CS_OFFL_SIR_IOPM_2_20200129T211308_20200129T21438_C001 CS_OFFL_SIR_IOPM_2_20200129T211508_20200129T21438_C001 CS_OFFL_SIR_IOPM_2_20200129T211508_20200129T214920_C001 CS_OFFL_SIR_IOPM_2_20200129T211564_20200129T214920_C001 CS_OFFL_SIR_IOPM_2_20200129T2151552_20200129T215534_C001 CS_OFFL_SIR_IOPM_2_20200129T2151554_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T2151554_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T2151554_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T2151544_20200129T2152847_C001 CS_OFFL_SIR_IOPM_2_20200129T21520733_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T21520733_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T21520733_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T220012_C001 COCA Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T220012_C001 CCCA Altimeter Range Cuality, OCOG Altimeter Range and Backscatter Quality Flags have been set for o	CS_OFFL_SIR_IOPM_2_20200129T192341_20200129T192434_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T201627_20200129T201736_C001 CS_OFFL_SIR_IOPM_2_20200129T201627_20200129T201446_C001 CS_OFFL_SIR_IOPM_2_20200129T202403_20200129T202448_C001 CS_OFFL_SIR_IOPM_2_20200129T202403_20200129T203652_C001 CS_OFFL_SIR_IOPM_2_20200129T202403_20200129T203652_C001 CS_OFFL_SIR_IOPM_2_20200129T202403_20200129T204436_C001 CS_OFFL_SIR_IOPM_2_20200129T203839_20200129T204436_C001 CS_OFFL_SIR_IOPM_2_20200129T203839_20200129T204436_C001 CS_OFFL_SIR_IOPM_2_20200129T203839_20200129T204436_C001 CS_OFFL_SIR_IOPM_2_20200129T211308_20200129T214382_C001 CS_OFFL_SIR_IOPM_2_20200129T211544_20200129T214920_C001 CS_OFFL_SIR_IOPM_2_20200129T215135_20200129T214920_C001 CS_OFFL_SIR_IOPM_2_20200129T21535_20200129T20012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T2203847_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T2203847_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T2203847_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T2203847_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T2203847_C001 CCG_Altimeter Range Quality, OCOG Backscatter Quality and Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality and Backscatter Quality, OCOG Backscatter Q	CS_OFFL_SIR_IOPM_2_20200129T193706_20200129T194534_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20200129T201741_20200129T202148_C001 CS_OFFL_SIR_IOPM_2_20200129T202403_20200129T203652_C001 CS_OFFL_SIR_IOPM_2_20200129T202403_20200129T203652_C001 CS_OFFL_SIR_IOPM_2_20200129T203839_20200129T204436_C001 CS_OFFL_SIR_IOPM_2_20200129T203839_20200129T204436_C001 CS_OFFL_SIR_IOPM_2_20200129T203839_20200129T204436_C001 CS_OFFL_SIR_IOPM_2_20200129T21308_20200129T214488_C001 CS_OFFL_SIR_IOPM_2_20200129T21308_20200129T214488_C001 CS_OFFL_SIR_IOPM_2_20200129T21308_20200129T214488_C001 CS_OFFL_SIR_IOPM_2_20200129T21544_20200129T21438_C001 CS_OFFL_SIR_IOPM_2_20200129T21544_20200129T214920_C001 CS_OFFL_SIR_IOPM_2_20200129T21544_20200129T214920_C001 CS_OFFL_SIR_IOPM_2_20200129T21544_20200129T215684_C001 CS_OFFL_SIR_IOPM_2_20200129T215684_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215684_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T2245820_C0	CS_OFFL_SIR_IOPM_2_20200129T194819_20200129T201038_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20200129T202403_20200129T203652_C001 CS_OFFL_SIR_IOPM_2_20200129T203839_20200129T204436_C001 CS_OFFL_SIR_IOPM_2_20200129T211308_20200129T211438_C001 CS_OFFL_SIR_IOPM_2_20200129T211308_20200129T21438_C001 CS_OFFL_SIR_IOPM_2_20200129T211544_20200129T21438_C001 CS_OFFL_SIR_IOPM_2_20200129T215544_20200129T215634_C001 CS_OFFL_SIR_IOPM_2_20200129T21544_20200129T215634_C001 CS_OFFL_SIR_IOPM_2_20200129T215664_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215664_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215664_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215664_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215664_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215664_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215664_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T2220733_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T2220733_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T2220733_20200129T223847_C001 CC_OCA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CC_OCA Illimeter Range and Backscatter Quality Flags have been set for one or more records. CC_OCA Illimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CC_OCA Illimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CC_OCA Illimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CC_OCA Illimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CC_OCA Illimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20200129T201627_20200129T201736_C001		
CS_OFFL_SIR_IOPM_2_20200129T203839_20200129T204436_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T211308_20200129T21438_C001 CS_OFFL_SIR_IOPM_2_20200129T211308_20200129T21438_C001 CS_OFFL_SIR_IOPM_2_20200129T211544_20200129T214392_C001 CS_OFFL_SIR_IOPM_2_20200129T21535_20200129T215634_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T22012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T22000129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T22000129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T22000129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T220000129T220000000000000000000	CS_OFFL_SIR_IOPM_2_20200129T201741_20200129T202148_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T211308_20200129T21438_C001 CS_OFFL_SIR_IOPM_2_20200129T211544_20200129T214920_C001 CS_OFFL_SIR_IOPM_2_20200129T21544_20200129T215634_C001 CS_OFFL_SIR_IOPM_2_20200129T21535_20200129T215634_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T2200733_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T2200732_C000129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T2200733_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T223847_C001 CCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T22000129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T223847_C001 CCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CCGA Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CCGA Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. CCGA Altimeter Range ABackscatter Quality Flags have been set for one or more records. CCGA Altimeter Range ABackscatter Quality Flags have been set for one or more records. CCGA Altimeter Range ABackscatter Quality Flags have been set for one or more records. CCGA Altimeter Range ABackscatter	CS_OFFL_SIR_IOPM_2_20200129T202403_20200129T203652_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20200129T211544_20200129T214920_C001 DCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T215135_20200129T215634_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 DCGG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 DCGG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 DCGG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. DCGG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. DCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCGG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have been set for one or more records. DCCG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. DCCG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. DCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20200129T203839_20200129T204436_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200129T215135_20200129T215634_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T230614_C001 Altimeter Range Quality, OCOG Backscatter Qua	CS_OFFL_SIR_IOPM_2_20200129T211308_20200129T211438_C001		
Backscatter Quality CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001 Backscatter Quality CS_OFFL_SIR_IOPM_2_20200129T225654_20200129T220012_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T223847_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T230614_C001 CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T230614_C001 CCS_OFFL_SIR_IOPM_2_20200129T225814_20200129T230614_C001	CS_OFFL_SIR_IOPM_2_20200129T211544_20200129T214920_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Cs_OFFL_SIR_IOPM_2_20200129T220733_20200129T223847_C001 Cs_OFFL_SIR_IOPM_2_20200129T220733_20200129T223847_C001 Cs_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 Cs_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 Cs_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 Cs_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001 Cs_OFFL_SIR_IOPM_2_20200129T225814_20200129T230614_C001 Cs_OFFL_SIR_IOPM_2_20200129T230614_C001 Cs_OFFL_SIR_IOPM_2_20200129T230614_C001 Cs_OF	CS_OFFL_SIR_IOPM_2_20200129T215135_20200129T215634_C001		
CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T223847_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20200129T215654_20200129T220012_C001		
Backscatter Quality for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20200129T220733_20200129T223847_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T230614_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20200129T224120_20200129T224322_C001		
	CS_OFFL_SIR_IOPM_2_20200129T225814_20200129T230614_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20200129T234528_20200129T23532_C001 CS_OFFL_SIR_IOPM_2_20200129T234528_20200129T002652_C001 CS_OFFL_SIR_IOPM_2_20200129T002645_20200129T002652_C001 CS_OFFL_SIR_IOPM_2_20200129T002645_20200129T002652_C001 CS_OFFL_SIR_IOPM_2_20200129T002645_20200129T002652_C001 CS_OFFL_SIR_IOPM_2_20200129T002645_20200129T003045_C001 CS_OFFL_SIR_IOPM_2_20200129T002640_20200129T003045_C001 CS_OFFL_SIR_IOPM_2_20200129T002640_20200129T003045_C001 CS_OFFL_SIR_IOPM_2_20200129T064409_20200129T064425_C001 CS_OFFL_SIR_IOPM_2_20200129T064409_20200129T064425_C001 CS_OFFL_SIR_IOPM_2_20200129T064009_20200129T064425_C001 CS_OFFL_SIR_IOPM_2_20200129T064009_20200129T064425_C001 CS_OFFL_SIR_IOPM_2_20200129T064009_20200129T064425_C001 CS_OFFL_SIR_IOPM_2_20200129T064009_20200129T064425_C001 CS_OFFL_SIR_IOPM_2_20200129T064009_20200129T06400	CS_OFFL_SIR_IOPM_2_20200129T231155_20200129T232832_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.
and the COCG Altimeter Range and Backscatter Quality Flags have been at Interest Range and Backscatter Quality Flags have been at Interest Range and Backscatter Quality Flags have been at Interest Range (See Altimeter Range) and Backscatter Quality Flags have been at Interest Range (See Altimeter Range) (Se	CS_OFFL_SIR_IOPM_2_20200129T233021_20200129T233532_C001		
Backscatter Quality CS_OFFL_SIR_IOPN_2_20200129T002810_20200129T003045_C001 CS_OFFL_SIR_IOPN_2_20200129T002810_20200129T004425_C001 CS_OFFL_SIR_IOPN_2_20200129T064409_20200129T064425_C001 CS_OFFL_SIR_IOPN_2_20200129T080500_20200129T064425_C001 CS_OFFL_SIR_IOPN_2_20200129T080500_20200129T080559_C001 CS_OFFL_SIR_IOPN_2_20200129T080500_20200129T080559_C001 CS_OFFL_SIR_IOPN_2_20200129T080500_20200129T080559_C001 CS_OFFL_SIR_IOPN_2_20200129T080500_20200129T080559_C001 CS_OFFL_SIR_IOPN_2_20200129T080500_20200129T080559_C001 CS_OFFL_SIR_IOPN_2_20200129T081318_20200129T081527_C001 CS_OFFL_SIR_IOPN_2_20200129T081318_20200129T081627_C001 CS_OFFL_SIR_IOPN_2_20200129T081318_20200129T081627_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T003256_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T003256_C001 CS_OFFL_SIR_IOPN_2_20200129T030345_20200129T003256_C001 CS_OFFL_SIR_IOPN_2_20200129T030345_20200129T003256_C001 CS_OFFL_SIR_IOPN_2_20200129T003045_20200129T003256_C001 CS_OFFL_SIR_IOPN_2_20200129T070777_20200129T075740_C001 CS_OFFL_SIR_IOPN_2_20200129T070777_20200129T071016_C001 CS_OFFL_SIR_IOPN_2_20200129T06	CS_OFFL_SIR_IOPM_2_20200129T234526_20200129T235912_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more reco	CS_OFFL_SIR_IOPN_2_20200129T002645_20200129T002652_C001		
Backscatter Quality CS_OFFL_SIR_IOPN_2_20200129T080500_20200129T080559_C001 CS_OFFL_SIR_IOPN_2_20200129T080500_20200129T080559_C001 CS_OFFL_SIR_IOPN_2_20200129T081318_20200129T081627_C001 CS_OFFL_SIR_IOPN_2_20200129T081318_20200129T081627_C001 CS_OFFL_SIR_IOPN_2_20200129T081318_20200129T081627_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001 CS_OFFL_SIR_IOPN_2_20200129T003045_20200129T003256_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T003256_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T003256_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T003256_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T003256_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T003256_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T005740_C001 CS_OFFL_SIR_IOPR_2_20200129T007737_20200129T016_C001 CS_OFFL_SIR_IOPR_2_20200129T07737_20200129T071016_C001 CS_OFFL_SIR_IOPR_2_20200129T07737_20200129T071016_C001 CS_OFFL_SIR_IOPR_2_20200129T07737_20200129T0116_C001 CS_OFFL_SIR_IOPR_2_20200129T166552_20200129T161159_C001 CS_OFFL_SIR_IOPR_2_20200129T166552_20200129T161159_C001 CS_OFFL_SIR_IOPR_2_20200129T170554_20200129T161159_C001 CS_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001 COCEAN 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. CC_OCEAN Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CC_OCEAN Altimeter Range and Backscatter Quality Flags have been set for one or more records. CC_OCEAN Altimeter Range and Backscatter Quality Flags have been set for one or more records. CC_OCEAN Altimeter Range and Backscatter Quality Flags have been set for one or more records. CC_OCEAN Altimeter Range and Backsc	CS_OFFL_SIR_IOPN_2_20200129T002810_20200129T003045_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPN_2_20200129T081318_20200129T081627_C001 CS_OFFL_SIR_IOPN_2_20200129T081318_20200129T081627_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001 CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001 CS_OFFL_SIR_IOPN_2_20200129T003045_20200129T003256_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T003256_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T003045_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T00106_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T00106_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T00106_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T00106_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T00106_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_	CS_OFFL_SIR_IOPN_2_20200129T064409_20200129T064425_C001		
and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been 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 and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Al	CS_OFFL_SIR_IOPN_2_20200129T080500_20200129T080559_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T003256_C001 CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T003256_C001 CS_OFFL_SIR_IOPR_2_20200129T025235_20200129T025740_C001 CS_OFFL_SIR_IOPR_2_20200129T025235_20200129T025740_C001 CS_OFFL_SIR_IOPR_2_20200129T070737_20200129T071016_C001 CS_OFFL_SIR_IOPR_2_20200129T070737_20200129T071016_C001 CS_OFFL_SIR_IOPR_2_20200129T070737_20200129T071016_C001 CS_OFFL_SIR_IOPR_2_20200129T160652_20200129T161159_C001 CS_OFFL_SIR_IOPR_2_20200129T160652_20200129T160556_C001 CS_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001 CS_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001 CS_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001 Altimeter Range and Backscatter Quality And Backscatter Quality CS_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001 CS_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001 Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001 Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001 CS_OFFL_SIR_IOPR_2_	CS_OFFL_SIR_IOPN_2_20200129T081318_20200129T081627_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T003256_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Cs_OFFL_SIR_IOPR_2_20200129T025235_20200129T025740_C001 Cs_OFFL_SIR_IOPR_2_20200129T070737_20200129T071016_C001 Cs_OFFL_SIR_IOPR_2_20200129T070737_20200129T071016_C001 Cs_OFFL_SIR_IOPR_2_20200129T160652_20200129T161159_C001 Cs_OFFL_SIR_IOPR_2_20200129T160652_20200129T161159_C001 Cs_OFFL_SIR_IOPR_2_20200129T160652_20200129T161159_C001 Cs_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Coean 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. Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality F	CS_OFFL_SIR_IOPN_2_20200129T084322_20200129T084644_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200129T025235_20200129T025740_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Cs_OFFL_SIR_IOPR_2_20200129T070737_20200129T071016_C001 Cs_OFFL_SIR_IOPR_2_20200129T160652_20200129T161159_C001 Cs_OFFL_SIR_IOPR_2_20200129T160652_20200129T161159_C001 Cs_OFFL_SIR_IOPR_2_20200129T160652_20200129T161159_C001 Cs_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20200129T003045_20200129T003256_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200129T070737_20200129T071016_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Cs_OFFL_SIR_IOPR_2_20200129T160652_20200129T161159_C001 Cs_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_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. Cs_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001 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_20200129T025235_20200129T025740_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200129T160652_20200129T161159_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_IOPR_2_20200129T070737_20200129T071016_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPR_2_20200129T160652_20200129T161159_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPR_2_20200129T170554_20200129T170556_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

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_20200129T001936_20200129T002120_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_20200129T002810_20200129T003045_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_20200129T003256_20200129T003427_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_20200129T004651_20200129T005215_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_20200129T010511_20200129T010634_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_20200129T010852_20200129T010936_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_20200129T020722_20200129T021049_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_20200129T033827_20200129T034053_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_20200129T034829_20200129T035009_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_20200129T043817_20200129T043837_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_20200129T060527_20200129T060647_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_20200129T060726_20200129T060848_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_20200129T063845_20200129T063950_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_20200129T065735_20200129T065859_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_20200129T070425_20200129T070737_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_20200129T080004_20200129T080153_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_20200129T080500_20200129T080559_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_20200129T081318_20200129T081627_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_20200129T083710_20200129T083824_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_20200129T084322_20200129T084644_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_20200129T102227_20200129T102853_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_20200129T111309_20200129T111429_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_20200129T111722_20200129T111857_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_20200129T115504_20200129T115927_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_20200129T120641_20200129T120815_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_20200129T123510_20200129T123533_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_20200129T125408_20200129T125455_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_20200129T125646_20200129T125853_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_20200129T131444_20200129T131943_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_20200129T141220_20200129T141606_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_20200129T143138_20200129T143639_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_20200129T152401_20200129T152628_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_20200129T155234_20200129T155421_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_20200129T161159_20200129T161812_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_20200129T165424_20200129T165544_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_20200129T170425_20200129T170554_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_20200129T175400_20200129T175717_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_20200129T183413_20200129T183733_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_20200129T191540_20200129T191620_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_20200129T191958_20200129T192053_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_20200129T193302_20200129T193619_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_20200129T202148_20200129T202313_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_20200129T204437_20200129T204644_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_20200129T205955_20200129T210019_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_20200129T210232_20200129T210523_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_20200129T214938_20200129T215135_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_20200129T000148_20200129T000447_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_20200129T003045_20200129T003256_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_20200129T003944_20200129T004030_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_20200129T010810_20200129T010852_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_20200129T011432_20200129T012115_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_20200129T013923_20200129T014307_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_20200129T023840_20200129T024111_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_20200129T025235_20200129T025740_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_20200129T025820_20200129T030037_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_20200129T042927_20200129T043817_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_20200129T043837_20200129T044109_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_20200129T060850_20200129T061820_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_20200129T062004_20200129T062203_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_20200129T070737_20200129T071016_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_20200129T074412_20200129T075413_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_20200129T075413_20200129T075540_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_20200129T092627_20200129T093311_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_20200129T093311_20200129T093852_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_20200129T101100_20200129T101758_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_20200129T110120_20200129T110251_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_20200129T110553_20200129T111158_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_20200129T111158_20200129T111308_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_20200129T122337_20200129T122513_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_20200129T124557_20200129T124640_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_20200129T124649_20200129T124730_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_20200129T124759_20200129T124952_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_20200129T125455_20200129T125646_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_20200129T130135_20200129T130243_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_20200129T142538_20200129T143138_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_20200129T143701_20200129T143938_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_20200129T144507_20200129T144647_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_20200129T151352_20200129T151500_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_20200129T160243_20200129T160438_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_20200129T160514_20200129T160630_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_20200129T160652_20200129T161159_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_20200129T162403_20200129T162424_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_20200129T165137_20200129T165424_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_20200129T174027_20200129T174214_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_20200129T174549_20200129T175359_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_20200129T191123_20200129T191511_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_20200129T191737_20200129T191942_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_20200129T192434_20200129T193302_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_20200129T210523_20200129T211308_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_20200129T214920_20200129T214937_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_20200129T224423_20200129T225007_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_20200129T225407_20200129T225427_C001		The OCOG 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.
CS_OFFL_SIR_IOPR_2_20200129T225713_20200129T225813_C001		The Ocean Altimeter Range, SSHA, SWH 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_20200129T233947_20200129T234526_C001	Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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: 20

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:

5

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:

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:

0

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: 0

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 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_IOP_220200129T002635_20200129T011610_C001		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_220200129T011610_20200129T020549_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_220200129T020549_20200129T025523_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_220200129T025523_20200129T034502_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_220200129T034502_20200129T043437_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_220200129T043437_20200129T052416_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_220200129T052416_20200129T061350_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_220200129T061350_20200129T070330_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_220200129T070330_20200129T075304_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_220200129T075304_20200129T084243_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_220200129T084243_20200129T093218_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_220200129T093218_20200129T102157_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_20200129T102157_20200129T111131_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_220200129T111131_20200129T120110_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_220200129T120110_20200129T125045_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_220200129T125045_20200129T134024_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_220200129T134024_20200129T142958_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_220200129T142958_20200129T151937_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_220200129T151937_20200129T160912_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_220200129T160912_20200129T165851_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_220200129T165851_20200129T174826_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_220200129T174826_20200129T183805_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_220200129T183805_20200129T192739_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_220200129T192739_20200129T201718_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_220200129T201718_20200129T210653_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_220200129T210653_20200129T215632_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_220200129T215632_20200129T224606_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_220200129T224606_20200129T233545_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_220200129T233545_20200130T002520_C002	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)

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220200129T111131_20200129T120110_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220200129T120110_20200129T125045_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: 29

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: 3

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

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.