

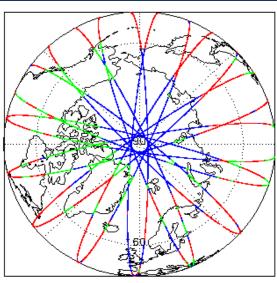
1. Overview

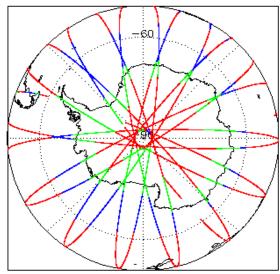
Report Production:	03-Dec-2020		
Processor Used:	CryoSat Ocean Processor		
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data		

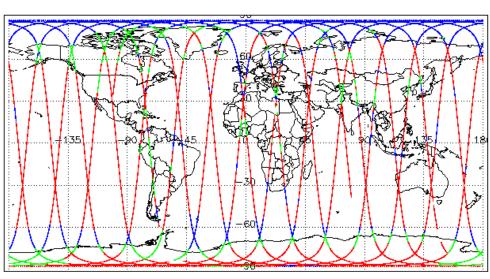
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary 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
QCC Error/ Warning Check	See Section 7.2	See Section 7.2

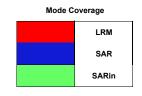
Mis	ssion / Instru	ment News
2	9-Nov-2020	None
3	0-Nov-2020	None
0	1-Dec-2020	Nothing planned

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:

4.4 L1B Auxiliary Correction Error Check

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

0

lumber of products with errors:

4.5 L1B Measurement Confidence Data Check

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

Attitude Correction Missing: This flag is currently set in error for 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:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20201130T195012_20201130T200036_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: 15

Product	Test Failed	Description
CS_OFFL_SIR_IOPN1B_20201130T003240_20201130T003314_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20201130T102413_20201130T102844_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20201130T202753_20201130T202914_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20201130T221043_20201130T221312_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201130T003314_20201130T003801_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201130T033800_20201130T033837_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201130T034357_20201130T034714_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201130T080606_20201130T081243_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201130T102844_20201130T103557_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201130T130430_20201130T130714_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201130T144332_20201130T144744_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201130T160037_20201130T160316_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201130T170858_20201130T171038_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201130T185139_20201130T185311_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201130T220936_20201130T221042_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:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table helow.
- > 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.

Product		Test Failed	Description
CS_OFFL_SIR_IOPM_2_20201130T005027_	.20201130T005216_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_20201130T073850_	_20201130T075423_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_20201130T233800_	20201130T233855_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_20201130T003802_;	20201130T004213_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20201130T022000_:	20201130T022423_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20201130T030017_;	20201130T030351_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_20201130T043935_2	20201130T044255_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_20201130T044808_3	20201130T044933_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_20201130T053017_	20201130T053135_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_20201130T062711_;	20201130T062819_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_20201130T070937_	20201130T071047_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_20201130T080414_;	20201130T080606_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_20201130T084739_	20201130T084925_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_20201130T084925_;	20201130T085002_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_20201130T102413_	20201130T102844_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_20201130T111320_	20201130T111609_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_20201130T112232_;	20201130T112536_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_20201130T120322_	20201130T120500_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20201130T120500_:	20201130T120707_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_20201130T161908_2	20201130T162215_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_20201130T175809_2	20201130T180146_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_20201130T193248_3	20201130T193507_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_20201130T210823_2	20201130T211406_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_20201130T220227_:	20201130T220317_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_20201130T220726_2	20201130T220936_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_20201130T225013_:	20201130T225151_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_20201130T230038_;	20201130T230247_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_20201130T234640_3	20201130T235126_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_20201130T003314_3	20201130T003801_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_20201130T021046_2	20201130T022000_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_20201130T035100_3	20201130T035857_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_20201130T053135_20201130T053917_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_20201130T053920_20201130T054035_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_20201130T071047_20201130T071803_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_20201130T085002_20201130T085706_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_20201130T102844_20201130T103557_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_IOPR_2_20201130T120707_20201130T121601_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_20201130T134401_20201130T135138_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_20201130T152332_20201130T152958_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_20201130T152958_20201130T153239_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_20201130T170149_20201130T170858_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_20201130T170858_20201130T171038_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_20201130T184311_20201130T184756_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_20201130T184756_20201130T184917_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_20201130T202102_20201130T202638_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_20201130T202638_20201130T202753_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_20201130T220317_20201130T220403_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_20201130T220403_20201130T220726_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_20201130T233930_20201130T234640_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_20201130T195012_20201130T200036_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.

Number of products with errors: 90

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20201129T235442_20201130T001833_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_20201130T002746_20201130T002813_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_20201130T005225_20201130T011718_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_20201130T012440_20201130T012915_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_20201130T013020_20201130T013034_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_20201130T013358_20201130T015958_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_20201130T020131_20201130T020419_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_20201130T020829_20201130T021046_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_20201130T022424_20201130T025536_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_20201130T031313_20201130T031711_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_20201130T034818_20201130T035022_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_20201130T040306_20201130T043600_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_20201130T044256_20201130T044808_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_20201130T045340_20201130T050950_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_20201130T054035_20201130T060236_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_20201130T060346_20201130T061443_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_20201130T061942_20201130T062256_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_20201130T063209_20201130T065811_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_20201130T065827_20201130T070538_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
	Altimeter Range and Backscatter Quality	set for one or more records.
CS_OFFL_SIR_IOPM_2_20201130T070704_20201130T070937_C001	Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality	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_20201130T070704_20201130T070937_C001 CS_OFFL_SIR_IOPM_2_20201130T072011_20201130T072015_C001	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
	OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG	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
CS_OFFL_SIR_IOPM_2_20201130T072011_20201130T072015_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The 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_20201130T072011_20201130T072015_C001 CS_OFFL_SIR_IOPM_2_20201130T072031_20201130T073232_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20201130T072011_20201130T072015_C001 CS_OFFL_SIR_IOPM_2_20201130T072031_20201130T073232_C001 CS_OFFL_SIR_IOPM_2_20201130T073713_20201130T073830_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20201130T072011_20201130T072015_C001 CS_OFFL_SIR_IOPM_2_20201130T072031_20201130T073232_C001 CS_OFFL_SIR_IOPM_2_20201130T073713_20201130T073830_C001 CS_OFFL_SIR_IOPM_2_20201130T073850_20201130T075423_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20201130T072011_20201130T072015_C001 CS_OFFL_SIR_IOPM_2_20201130T072031_20201130T073232_C001 CS_OFFL_SIR_IOPM_2_20201130T073713_20201130T073830_C001 CS_OFFL_SIR_IOPM_2_20201130T073850_20201130T075423_C001 CS_OFFL_SIR_IOPM_2_20201130T075637_20201130T080155_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20201130T072011_20201130T072015_C001 CS_OFFL_SIR_IOPM_2_20201130T072031_20201130T073232_C001 CS_OFFL_SIR_IOPM_2_20201130T073713_20201130T073830_C001 CS_OFFL_SIR_IOPM_2_20201130T073850_20201130T075423_C001 CS_OFFL_SIR_IOPM_2_20201130T075637_20201130T080155_C001 CS_OFFL_SIR_IOPM_2_20201130T081243_20201130T082532_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20201130T072011_20201130T072015_C001 CS_OFFL_SIR_IOPM_2_20201130T072031_20201130T073232_C001 CS_OFFL_SIR_IOPM_2_20201130T073713_20201130T073830_C001 CS_OFFL_SIR_IOPM_2_20201130T073850_20201130T075423_C001 CS_OFFL_SIR_IOPM_2_20201130T075637_20201130T080155_C001 CS_OFFL_SIR_IOPM_2_20201130T081243_20201130T082532_C001 CS_OFFL_SIR_IOPM_2_20201130T081243_20201130T082532_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20201130T072011_20201130T072015_C001 CS_OFFL_SIR_IOPM_2_20201130T072031_20201130T073232_C001 CS_OFFL_SIR_IOPM_2_20201130T073713_20201130T073830_C001 CS_OFFL_SIR_IOPM_2_20201130T073850_20201130T075423_C001 CS_OFFL_SIR_IOPM_2_20201130T075637_20201130T080155_C001 CS_OFFL_SIR_IOPM_2_20201130T081243_20201130T082532_C001 CS_OFFL_SIR_IOPM_2_20201130T082745_20201130T084535_C001 CS_OFFL_SIR_IOPM_2_20201130T082745_20201130T091125_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH 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_20201130T072011_20201130T072015_C001 CS_OFFL_SIR_IOPM_2_20201130T072031_20201130T073232_C001 CS_OFFL_SIR_IOPM_2_20201130T073713_20201130T073830_C001 CS_OFFL_SIR_IOPM_2_20201130T073850_20201130T075423_C001 CS_OFFL_SIR_IOPM_2_20201130T075637_20201130T080155_C001 CS_OFFL_SIR_IOPM_2_20201130T081243_20201130T082532_C001 CS_OFFL_SIR_IOPM_2_20201130T082745_20201130T084535_C001 CS_OFFL_SIR_IOPM_2_20201130T090706_20201130T091125_C001 CS_OFFL_SIR_IOPM_2_20201130T090706_20201130T091734_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CQ_OPE_SR_DPM_2_200130708090_2008103110000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20201130T094131_20201130T094246_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 SR 10PM 2 7200118T109000 7200138T10100 CD 001 CS OFFL SR 10PM 2 7200118T10904 7200138T10100 CD 001 CS OFFL SR 10PM 2 7200118T10904 7200138T10100 CD 001 CS OFFL SR 10PM 2 7200118T10904 7200138T1000 CD 001 CS OFFL SR 10PM 2 7200118T10000 CD 001 CS OFF	CS_OFFL_SIR_IOPM_2_20201130T094939_20201130T095036_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Col. Cit. L. Str. (Cit. M. 2, 202011307119206, 202011307191020, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307191030, 202011307190300, 20201130719	CS_OFFL_SIR_IOPM_2_20201130T095903_20201130T100125_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Description	CS_OFFL_SIR_IOPM_2_20201130T100845_20201130T101124_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Document (1997) Docume	CS_OFFL_SIR_IOPM_2_20201130T101246_20201130T101957_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SIR_IOPM_2_72001130T100547_2001130T11205_CD01 CB_OFFL_SIR_IOPM_2_72001130T1100547_2001130T11205_CD01 CB_OFFL_SIR_IOPM_2_72001130T1100547_2001130T11205_CD01 CB_OFFL_SIR_IOPM_2_72001130T11205_CD01 CB_OFFL_SIR_IOPM_2_72001130T11205_CD01 CB_OFFL_SIR_IOPM_2_72001130T11205_CD01 CB_OFFL_SIR_IOPM_2_72001130T11205_CD01 CB_OFFL_SIR_IOPM_2_72001130T11205_CD01 CB_OFFL_SIR_IOPM_2_72001130T11205_CD01 CB_OFFL_SIR_IOPM_2_72001130T11205_CD01 CB_OFFL_SIR_IOPM_2_72001130T1206_CD01 CB_OFFL_SIR_IOPM_2_72001130T1206_CD01 CB_OFFL_SIR_IOPM_2_72001130T1206_CD01 CB_OFFL_SIR_IOPM_2_72001130T1206_CD01 CB_OFFL_SIR_IOPM_2_72001130T1206_CD01 CB_OFFL_SIR_IOPM_2_72001130T120646_2001130T130T130T1601 CB_OFFL_SIR_IOPM_2_72001130T120646_2001130T130T130T1601 CB_OFFL_SIR_IOPM_2_72001130T120646_2001130T130T130T1601 CB_OFFL_SIR_IOPM_2_72001130T130T44_2001130T130T130T1601 CB_OFFL_SIR_IOPM_2_72001130T130T44_2001130T130T130T1601 CB_OFFL_SIR_IOPM_2_72001130T140006_2001130T130T130T1601 CB_OFFL_SIR_IOPM_2_72001130T140006_2001130T140T10014 CB_OFFL_SIR_IOPM_2_72001130T140006_2001130T140006_2001130T140006_20011001140006_20011001140006_20011001140006_2001130T140006_20011001140006_20011001140006_20011001140006_20011001140006_20011001140006_20011001140006_20011001140006_20011001140006_20011001140006_2001140006_20011001140006_20011001140006_20011	CS_OFFL_SIR_IOPM_2_20201130T103557_20201130T104107_C001		
CS_OFFL_SIR_OPM_2_20201130T11508_2001 CS_OFFL_SIR_OPM_2_20201130T11508_2001 CS_OFFL_SIR_OPM_2_20201130T11508_2001 CS_OFFL_SIR_OPM_2_20201130T11508_2001 CS_OFFL_SIR_OPM_2_20201130T11508_2001 CS_OFFL_SIR_OPM_2_20201130T11508_2001 CS_OFFL_SIR_OPM_2_20201130T11508_2001 CS_OFFL_SIR_OPM_2_20201130T11508_2001 CS_OFFL_SIR_OPM_2_20201130T125416_2021130T13548_C001 CS_OFFL_SIR_OPM_2_20201130T125416_2021130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T125416_2021130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T125406_2021130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T125406_2021130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T125406_2021130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T125406_2021130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T125406_2021130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T125406_20201130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T125406_20201130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T125406_20201130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T125406_20201130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T125406_20201130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T140286_20201130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T140286_20201130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T140286_20201130T135385_C001 CS_OFFL_SIR_OPM_2_20201130T140286_20201130T140544_C001 CS_OFFL_SIR_OPM_2_20201130T140286_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140286_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140286_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140286_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140546_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140546_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140546_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140546_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140546_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140546_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140546_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140546_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140546_20201130T140546_20001 CS_OFFL_SIR_OPM_2_20201130T140546_20201130T140546_	CS_OFFL_SIR_IOPM_2_20201130T105105_20201130T105347_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
December Guesty Common Common Records (Common Common Records) CS_OFFL_SIR_OFFL_2_20201130T112746_20201130T125100_C001 CS_OFFL_SIR_OFFL_2_20201130T122711_20201130T125100_C001 CS_OFFL_SIR_OFFL_2_20201130T122711_20201130T125100_C001 CS_OFFL_SIR_OFFL_2_20201130T122711_20201130T125100_C001 CS_OFFL_SIR_OFFL_2_20201130T122711_20201130T125100_C001 CS_OFFL_SIR_OFFL_2_20201130T122711_20201130T125100_C001 CS_OFFL_SIR_OFFL_2_20201130T122711_20201130T125100_C001 CS_OFFL_SIR_OFFL_2_20201130T122711_20201130T125100_C001 CS_OFFL_SIR_OFFL_2_20201130T125100_C001 CS_OFFL_SIR_OFFL_2_20201130T125100_C001 CS_OFFL_SIR_OFFL_2_20201130T125100_C001 CS_OFFL_SIR_OFFL_2_20201130T132500_C001 CS_OFFL_SIR_OFFL_2_20201130T140200_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T140200_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T140200_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T140200_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T140200_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T160300_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T160300_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T160300_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T160300_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T160300_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T160300_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T160300_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T160300_C001130T140201_C001 CS_OFFL_SIR_OFFL_2_20201130T160300_C001130T140201_C001 CS_OF	CS_OFFL_SIR_IOPM_2_20201130T105547_20201130T111206_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the COGO Affirmeter Range and Backscatter Quality Flags have been after Range and Backscatter Quality Flags have been after Range and Backscatter Quality Flags have been after Range and Backscatter Quality Flags have been set to one or more records. CS_OFFL_SIR_JOPM_2_202011307122711_202011307125166_0001 CS_OFFL_SIR_JOPM_2_202011307125416_202011307135311_0001 CS_OFFL_SIR_JOPM_2_202011307125416_202011307135311_0001 CS_OFFL_SIR_JOPM_2_202011307135314_202011307135314_0001 CS_OFFL_SIR_JOPM_2_202011307133340_202011307133383_0001 CS_OFFL_SIR_JOPM_2_202011307133340_202011307133383_0001 CS_OFFL_SIR_JOPM_2_202011307142602_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142602_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142602_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142602_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142602_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142602_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142602_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142602_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142610_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142610_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142610_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142610_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142610_202011307142610_0001 CS_OFFL_SIR_JOPM_2_202011307142610_202011307160812_0001 CS_OFFL_SIR_JOPM_2_202011307142610_202011307160812_0001 CS_OFFL_SIR_JOPM_2_202011307142610_202011307160812_0001 CS_OFFL_SIR_JOPM_2_202011307160810_202011307160812_0001 CS_OFFL_SIR_JOPM_2_202011307160810_202011307160812_0001 CS_OFFL_SIR_JOPM_2_202011307160810_202011307160812_0001 CS_OFFL_SIR_JOPM_2_202011307160810_202011307160812_0001 CS_OFFL_SIR_JOPM_2_202011307160810_202011307160812_0001 CS_OFFL_SIR_JOPM_2_202011307160810_202011307160812_0001 CS_OFFL_SIR_JOPM_2_202011307160810_202011307160812_0001 CS_OFFL_SIR_JOPM_2_202011307160810_202011307160810_200011307160810_200011307160810_200011307160810_200011307160810_200011307160810_2000113	CS_OFFL_SIR_IOPM_2_20201130T111609_20201130T112025_C001		
and flackscarler Quality, OCOG Altimeter Range and the COCGA Altimeter Range and Backscarler Quality Flags have been set for one or noise records. CS_OFFL_SIR_JOPM_2_20201130T125416_20201130T125940_C001 CS_OFFL_SIR_JOPM_2_20201130T125466_20201130T125940_C001 CS_OFFL_SIR_JOPM_2_20201130T130T14_20201130T133345_C001 CS_OFFL_SIR_JOPM_2_20201130T130T14_20201130T133345_C001 CS_OFFL_SIR_JOPM_2_20201130T130T14_20201130T133345_C001 CS_OFFL_SIR_JOPM_2_20201130T130T133340_20201130T133345_C001 CS_OFFL_SIR_JOPM_2_20201130T130T133340_20201130T1333385_C001 CS_OFFL_SIR_JOPM_2_20201130T130T130T133340_20201130T1333385_C001 CS_OFFL_SIR_JOPM_2_20201130T130T130T133340_20201130T1333380_C001 CS_OFFL_SIR_JOPM_2_20201130T130T130T130T130T142510_C001 CS_OFFL_SIR_JOPM_2_20201130T140260_20201130T14044_C001 CS_OFFL_SIR_JOPM_2_20201130T140560_20201130T140510_C001 CS_OFFL_SIR_JOPM_2_20201130T140560_20201130T142510_C001 CS_OFFL_SIR_JOPM_2_20201130T140560_20201130T142510_C001 CS_OFFL_SIR_JOPM_2_20201130T140560_20201130T142510_C001 CS_OFFL_SIR_JOPM_2_20201130T140560_20201130T142510_C001 CS_OFFL_SIR_JOPM_2_20201130T140560_20201130T140517_C001 CS_OFFL_SIR_JOPM_2_20201130T140560_20201130T1060512_C001 CS_OFFL_SIR_JOPM_2_20201130T140560_20201130T1060512_C001 CS_OFFL_SIR_JOPM_2_20201130T140560_20201130T1060512_C001 CS_OFFL_SIR_JOPM_2_20201130T160560_20201130T1060512_C001 CS_OFFL_SIR_JOPM_2_20201130T160560_20201130T1060512_C001 CS_OFFL_SIR_JOPM_2_20201130T160560_20201130T1060512_C001 CS_OFFL_SIR_JOPM_2_20201130T160560_2020113	CS_OFFL_SIR_IOPM_2_20201130T112736_20201130T115008_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_JOPM_2_2020113071425446_202011307130311_C001 CS_OFFL_SIR_JOPM_2_2020113071407133345_C001 CS_OFFL_SIR_JOPM_2_2020113071407133345_C001 CS_OFFL_SIR_JOPM_2_2020113071407133345_C001 CS_OFFL_SIR_JOPM_2_2020113071407133345_C001 CS_OFFL_SIR_JOPM_2_202011307140208_202011307140344_C001 CS_OFFL_SIR_JOPM_2_202011307140208_202011307140344_C001 CS_OFFL_SIR_JOPM_2_202011307140308_202011307140344_C001 CS_OFFL_SIR_JOPM_2_202011307140308_202011307140307_C001 CS_OFFL_SIR_JOPM_2_202011307140308_202011307140307_C001 CS_OFFL_SIR_JOPM_2_202011307142600_202011307140307_C001 CS_OFFL_SIR_JOPM_2_202011307142600_202011307140307_C001 CS_OFFL_SIR_JOPM_2_202011307142600_2020113071407_C001 CS_OFFL_SIR_JOPM_2_2020113071407_C001 CS_OFFL_SIR_JOPM_2_2020113071607_C001 CS_OFFL_SIR_JOPM_2_2020113071607_C001 CS_OFFL_SIR_JOPM_2_2020113071607_C001 CS_OFFL_SIR_JOPM_2_2020113071607_C001 CS_OFFL_SIR_JOPM_2_2020113071607_C001 CS_OFFL_SIR_JOPM_2_2020113071607_C001 CS_OFFL_SIR_JOPM_2_2020113071607_C001 CS_OFFL	CS_OFFL_SIR_IOPM_2_20201130T122711_20201130T125106_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Dean Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20201130T140208_20201130T140344_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140344_C001 CS_OFFL_SIR_IOPM_2_20201130T140208_20201130T140344_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140317_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140317_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140317_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140317_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140317_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140307_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140307_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140307_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140307_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140307_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140307_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T140307_C001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T16008_2001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T16008_2001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T16008_2001 CS_OFFL_SIR_IOPM_2_20201130T140308_20201130T16008_2001 CS_OFFL_SIR_IOPM_2_20201130T16003_20201130T16008_2001 CS_OFFL_SIR_IOPM_2_20201130T16003_20201130T16008_2001 CS_OFFL_SIR_IOPM_2_20201130T16003_20201130T16008_2001 CS_OFFL_SIR_IOPM_2_20201130T16003_20201130T16008_2001 CS_OFFL_SIR_IOPM_2_20201130T16003_20201130T16008_2001 CS_OFFL_SIR_IOPM_2_20201130T16003_20201130T16008_2001 CS_OFFL_SIR_IOPM_2_20201130T16003_20201130T16008_2001 CS_OFFL_SIR_IOPM_2_20201130T16003_20201130T170021_001 CS_OFFL_SIR_IOPM_2_20201130T16003_20201130T170021_001 CS_OFFL_SIR_IOPM_2_20201130T17012_001130T170021_001 CS_OFFL_SIR_IOPM_2_20201130T17012_001130T1710021_001 CS_OFFL_SIR_IOPM_2_20201130T171012_0021130T1710021_001 CS_OFFL_SIR_IOPM_2_20201130T171012_0021130T1710021_001 CS_OFFL_SIR_IOPM_2_20201130T171012_0021130T1710021_001 CS_OFFL_SIR_IOPM_2_20201130T171012_0021130T1710021_001 CS_OFFL_SIR_IOPM_2_20201130T171012_0021	CS_OFFL_SIR_IOPM_2_20201130T125416_20201130T125940_C001		
and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been alter County Flags have been alter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20201130T14028_20201130T140344_CO01 CS_OFFL_SIR_IOPM_2_20201130T14028_20201130T140344_CO01 CS_OFFL_SIR_IOPM_2_20201130T14028_20201130T140344_CO01 CS_OFFL_SIR_IOPM_2_20201130T14028_20201130T140341_CO01 CS_OFFL_SIR_IOPM_2_20201130T14028_20201130T14028_20201130T14028_20201130T14028_20201130T14028_20201130T14028_20201130T14028_20201130T14028_20201130T14028_20201130T14028_20201130T160812_CO01 CS_OFFL_SIR_IOPM_2_20201130T160816_20201130T160812_CO01 CS_OFFL_SIR_IOPM_2_20201130T160816_20201130T160812_CO01 CS_OFFL_SIR_IOPM_2_20201130T160816_20201130T160812_CO01 CS_OFFL_SIR_IOPM_2_20201130T160816_20201130T160812_CO01 CS_OFFL_SIR_IOPM_2_20201130T160800_20201130T160812_CO01 CS_OFFL_SIR_IOPM_2_20201130T160800_20201130T160800_20201130T160800_20201130T160800_20201130T160800_20201130T160800_20201130T160800_20201130T160800_20201130T16	CS_OFFL_SIR_IOPM_2_20201130T125946_20201130T130311_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been extended to the COG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20201130T140208_20201130T140344_C001 CS_OFFL_SIR_IOPM_2_20201130T140359_20201130T142510_C001 CS_OFFL_SIR_IOPM_2_20201130T140359_20201130T142510_C001 CS_OFFL_SIR_IOPM_2_20201130T140359_20201130T142510_C001 CS_OFFL_SIR_IOPM_2_20201130T142600_20201130T143017_C001 CS_OFFL_SIR_IOPM_2_20201130T142600_20201130T143017_C001 CS_OFFL_SIR_IOPM_2_20201130T142600_20201130T144219_C001 CS_OFFL_SIR_IOPM_2_20201130T143411_20201130T144219_C001 CS_OFFL_SIR_IOPM_2_20201130T144744_20201130T144219_C001 CS_OFFL_SIR_IOPM_2_20201130T140316_20201130T160012_C001 CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160012_C001 CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160012_C001 CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160012_C001 CS_OFFL_SIR_IOPM_2_20201130T16030_20201130T160012_C001 CS_OFFL_SIR_IOPM_2_20201130T16000_20201130T160000_C001 CS_OFFL_SIR_IOPM_2_20201130T16000_20201130T160000_C001 CS_OFFL_SIR_IOPM_2_20201130T16000_20201130T1600000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20201130T130714_20201130T133345_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20201130T140359_20201130T142510_C001 CS_OFFL_SIR_IOPM_2_20201130T140359_20201130T142510_C001 CS_OFFL_SIR_IOPM_2_20201130T142600_20201130T143017_C001 CS_OFFL_SIR_IOPM_2_20201130T142600_20201130T143017_C001 CS_OFFL_SIR_IOPM_2_20201130T142600_20201130T143017_C001 CS_OFFL_SIR_IOPM_2_20201130T143411_20201130T144219_C001 CS_OFFL_SIR_IOPM_2_20201130T143411_20201130T151944_C001 CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160812_C001 CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160812_C001 CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160812_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T160908_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T160908_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T160908_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T160908_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T160908_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T160908_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T160908_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T160306_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T1710021_C001 CS_OFFL_SIR_IOPM_2_20201130	CS_OFFL_SIR_IOPM_2_20201130T133349_20201130T133838_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality and Backscatter Quality Flags and Backscatter Quality and Backscatter Quality Flags and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range Quality (COG Altimeter Range and Backscatter Quality Flags have been Altimeter Range Quality (COG Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_IOPM_2_20201130T143411_20201130T144219_C001 CS_OFFL_SIR_IOPM_2_20201130T144744_20201130T151944_C001 CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160812_C001 CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160812_C001 CS_OFFL_SIR_IOPM_2_20201130T161350_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T16718_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T16130T161003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T16003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T16003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T16003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171011_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171011_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171011_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171011_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171011_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171011_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171011_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171011_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_	CS_OFFL_SIR_IOPM_2_20201130T140208_20201130T140344_C001		
and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Set for one or more records. CS_OFFL_SIR_IOPM_2_20201130T143411_20201130T144219_C001 CS_OFFL_SIR_IOPM_2_20201130T144744_20201130T151944_C001 CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160312_C001 CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160312_C001 CS_OFFL_SIR_IOPM_2_20201130T161350_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T160012_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171011_20201130T17153T_C001 CS_OFFL_SI	CS_OFFL_SIR_IOPM_2_20201130T140359_20201130T142510_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20201130T144744_20201130T151944_C001 CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160812_C001 CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160812_C001 CS_OFFL_SIR_IOPM_2_20201130T161350_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T161350_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T161350_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T164718_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T164718_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T164718_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171011_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171011_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171011_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171012_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T17	CS_OFFL_SIR_IOPM_2_20201130T142600_20201130T143017_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_20201130T160316_20201130T160812_C001 CS_OFFL_SIR_IOPM_2_20201130T161350_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T161350_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T161350_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T17101_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 Altimeter Range, SSHA, SWH 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_20201130T171011_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T171012_2001130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 COCAR Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 And Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IO	CS_OFFL_SIR_IOPM_2_20201130T143411_20201130T144219_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20201130T161350_20201130T161908_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T164718_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T164718_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T164718_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T162003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T162003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T17101_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T17101_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T173128_20201130T173611_C001 CS_OFFL_SIR_IOPM_2_20201130T173128_20201130T173611_	CS_OFFL_SIR_IOPM_2_20201130T144744_20201130T151944_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T164718_C001 CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 CS_OFFL_SIR_IOPM_2_20201130T17101_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 Backscatter Quality Go one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH 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_20201130T171101_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T17153T_C001 CS_OFFL_SIR_IOPM_2_20201130T173128_20201130T173611_C001 Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20201130T173128_20201130T173611_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Qua	CS_OFFL_SIR_IOPM_2_20201130T160316_20201130T160812_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 Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20201130T161350_20201130T161908_C001		
CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatte	CS_OFFL_SIR_IOPM_2_20201130T162600_20201130T164718_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T171537_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_IOPM_2_20201130T165003_20201130T170021_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20201130T173128_20201130T173611_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20201130T171101_20201130T171537_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPM_2_20201130T173128_20201130T173611_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20201130T173759_20201130T174812_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_20201130T180520_20201130T183123_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_20201130T183303_20201130T183854_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_20201130T185311_20201130T185342_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_20201130T185426_20201130T190123_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_20201130T190139_20201130T192547_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_20201130T193523_20201130T193716_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_20201130T193951_20201130T194200_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_20201130T194442_20201130T194919_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_20201130T195012_20201130T200036_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_20201130T200039_20201130T200138_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_20201130T200249_20201130T201125_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_20201130T201810_20201130T201915_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_20201130T202914_20201130T203321_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_20201130T203438_20201130T204842_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_20201130T205641_20201130T210823_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_20201130T211406_20201130T211633_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_20201130T211700_20201130T212125_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_20201130T212348_20201130T213807_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_20201130T213947_20201130T215400_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_20201130T221959_20201130T222348_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_20201130T222511_20201130T223033_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_20201130T223211_20201130T224821_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_20201130T225152_20201130T230038_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_20201130T230337_20201130T232512_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_20201130T233021_20201130T233116_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_IOPN_2_20201130T220227_20201130T220317_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20201130T031041_20201130T031313_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20201130T035100_20201130T035857_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20201130T053135_20201130T053917_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_IOPR_2_20201130T212304_20201130T212348_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20201130T220936_20201130T221042_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20201130T230247_20201130T230337_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20201130T001834_20201130T001943_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_20201130T002034_20201130T002231_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_20201130T003802_20201130T004213_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_20201130T004257_20201130T004420_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_20201130T012012_20201130T012153_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_20201130T012303_20201130T012440_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_20201130T012915_20201130T013020_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_20201130T013034_20201130T013157_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_20201130T022000_20201130T022423_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_20201130T030017_20201130T030351_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_20201130T032717_20201130T032903_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_20201130T034123_20201130T034134_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_20201130T035857_20201130T040038_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_20201130T050950_20201130T051307_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_20201130T062711_20201130T062819_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_20201130T070602_20201130T070614_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.

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CS_OFFL_SIR_IOPN_2_20201130T075456_20201130T075637_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_20201130T080414_20201130T080606_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_20201130T084739_20201130T084925_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_20201130T090332_20201130T090706_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_20201130T100125_20201130T100700_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_20201130T102413_20201130T102844_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_20201130T111320_20201130T111609_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_20201130T120119_20201130T120241_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_20201130T120322_20201130T120500_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_20201130T122301_20201130T122710_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_20201130T125302_20201130T125416_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_20201130T133839_20201130T134400_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_20201130T135318_20201130T135448_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_20201130T151944_20201130T152116_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_20201130T153532_20201130T153655_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_20201130T154113_20201130T154130_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_20201130T161224_20201130T161349_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_20201130T161908_20201130T162215_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_20201130T172755_20201130T173128_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_20201130T175809_20201130T180146_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_20201130T193248_20201130T193507_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_20201130T202753_20201130T202914_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_20201130T210823_20201130T211406_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_20201130T212125_20201130T212304_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_20201130T220227_20201130T220317_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_20201130T221515_20201130T221637_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_20201130T223033_20201130T223211_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_20201130T225013_20201130T225151_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_20201130T230038_20201130T230247_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_20201130T233116_20201130T233247_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_20201130T234640_20201130T235126_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_20201130T235226_20201130T235348_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_20201130T003314_20201130T003801_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_20201130T011718_20201130T012012_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_20201130T020723_20201130T020829_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_20201130T021046_20201130T022000_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_20201130T025537_20201130T030017_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_20201130T034357_20201130T034714_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_20201130T035100_20201130T035857_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_20201130T043600_20201130T043935_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_20201130T044933_20201130T045340_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_20201130T052807_20201130T053017_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_20201130T053135_20201130T053917_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_20201130T053920_20201130T054035_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_20201130T062820_20201130T063209_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_20201130T071047_20201130T071803_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_20201130T073232_20201130T073713_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_20201130T080606_20201130T081243_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_20201130T084536_20201130T084739_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_20201130T085002_20201130T085706_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.
CO OFFI OID IODD 2 20201420T402844 20204420T402EF7 C004	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20201130T102844_20201130T103557_C001	PLRM	

CS_OFFL_SIR_IOPR_2_20201130T120707_20201130T121601_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_20201130T134401_20201130T135138_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_20201130T135448_20201130T135605_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_20201130T143017_20201130T143247_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_20201130T144332_20201130T144744_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_20201130T152117_20201130T152159_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_20201130T152332_20201130T152958_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_20201130T154407_20201130T154440_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_20201130T170021_20201130T170144_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_20201130T170149_20201130T170858_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_20201130T170858_20201130T171038_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_20201130T171537_20201130T171912_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_20201130T173612_20201130T173759_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_20201130T174812_20201130T175209_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_20201130T180147_20201130T180520_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_20201130T184311_20201130T184756_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_20201130T192547_20201130T193248_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_20201130T202102_20201130T202638_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_20201130T204842_20201130T205234_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_20201130T213808_20201130T213947_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_20201130T220317_20201130T220403_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_20201130T220403_20201130T220726_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_20201130T220936_20201130T221042_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_20201130T233930_20201130T234640_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

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:

153

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:

Ω

6.2 P2P Product Header Analysis

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

Number of products with errors:

^

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

Λ

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220201129T234547_20201130T003522_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_220201130T003522_20201130T012502_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20201130T012502_20201130T021437_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_20201130T021437_20201130T030417_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20201130T030417_20201130T035352_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_20201130T035352_20201130T044331_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_20201130T044331_20201130T053306_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_20201130T053306_20201130T062246_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_20201130T062246_20201130T071221_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_20201130T071221_20201130T080200_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_20201130T080200_20201130T085136_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_20201130T085136_20201130T094115_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_20201130T094115_20201130T103050_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20201130T103050_20201130T112030_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_220201130T112030_20201130T121005_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_220201130T121005_20201130T125945_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_220201130T125945_20201130T134920_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_220201130T134920_20201130T143859_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_20201130T143859_20201130T152834_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_20201130T152834_20201130T161814_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_20201130T161814_20201130T170749_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_20201130T170749_20201130T175729_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_20201130T175729_20201130T184704_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_220201130T184704_20201130T193643_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_220201130T193643_20201130T202618_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_220201130T202618_20201130T211558_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_220201130T211558_20201130T220533_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_20201130T220533_20201130T225513_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_220201130T225513_20201130T234448_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_20201130T234448_20201201T003427_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_220201130T193643_20201130T202618_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.

Number of products with errors: 3

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

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

Number of products with errors:

P2P Retracking Flags PLRM

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

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

Number of products with errors:

3(

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_IOPM1B	204	204	9	195	0
SIR_IOPR1B	113	109	3	106	0
SIR_IOPN1B	109	113	0	113	0
SIR_IOPM_2	204	204	145	59	0
SIR_IOPR_2	113	109	43	66	0
SIR_IOPN_2	109	113	33	80	0
SIR_IOP_P2P	29	29	0	29	0

7.1 QCC Errors

Number of QCC reports with errors:

0

7.2 QCC Warnings

Number of QCC reports with warnings

2235

Total number	of occurrences	of oach	warning

	Total name of the same of the							
	Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
Ī	SIR_IOPM1B	195	0	0	0	0	0	0
	SIR_IOPM_2	0	40	41	0	49	0	42
	SIR_IOPN1B	104	0	0	0	0	0	0
	SIR_IOPN_2	0	9	35	4	26	32	15
	SIR_IOPR1B	111	0	0	0	0	0	0
ľ	SIR IOPR 2	0	30	44	1	27	22	14

Product Type	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	CRPEPOPFDPLRMSINNC	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	38	0	0	0	0	32	0
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	0	0	24	0	33	0	0
SIR_IOPR1B	0	0	0	0	0	0	0
SIR IOPR 2	0	48	0	54	0	0	46

Product Type	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	0	5	31	0	5	36	0
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	31	14	47	55	27	26	28
SIR_IOPR1B	0	0	0	0	0	0	0
SIR IOPR 2	0	2	66	39	9	39	46

Product Type	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	•	-
SIR_IOPM1B	0	0	0	0	9		
SIR_IOPM_2	1	0	0	0	0		
SIR_IOPN1B	0	1	0	50	5		
SIR_IOPN_2	12	0	0	0	0		
SIR_IOPR1B	0	0	0	113	10		
SIR_IOPR_2	4	0	7	0	0		

SIR IOP 2 15 28 29 5 28 18 27	Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
	SIR_IOP_2_	15	28	29	5	28	18	27

Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_IOP_2_	18	29	25		29		22

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-	-
SIR_IOP_2_	28	20	14	29			

SIR IOP 2	Product Type	•	•	•	-	-	•	•
	SIR_IOP_2_							

Test Description Key:		
Abbreviation	Test name	Details
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees

RSWHOEPNCDF		The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF		Rel_Time_ASC_Node_Stop mismatch
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0