

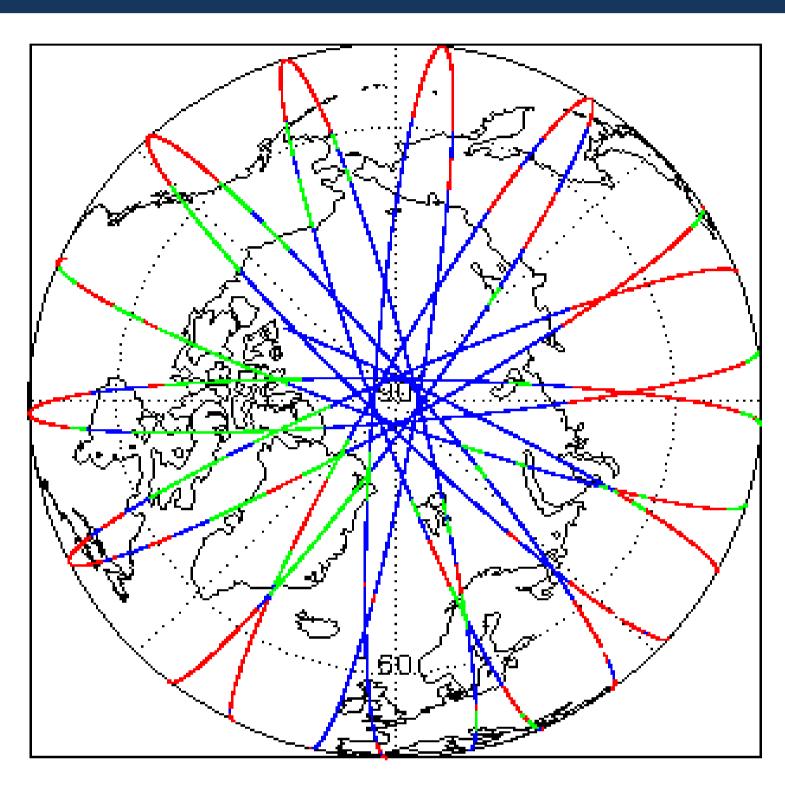
1. Overview

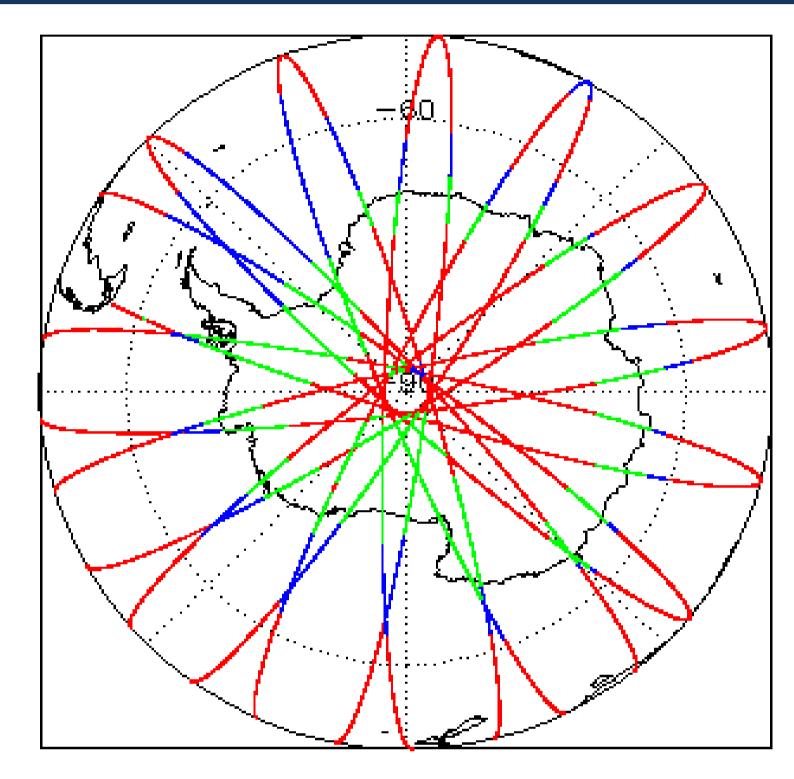
Report Production:	24-May-2021
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

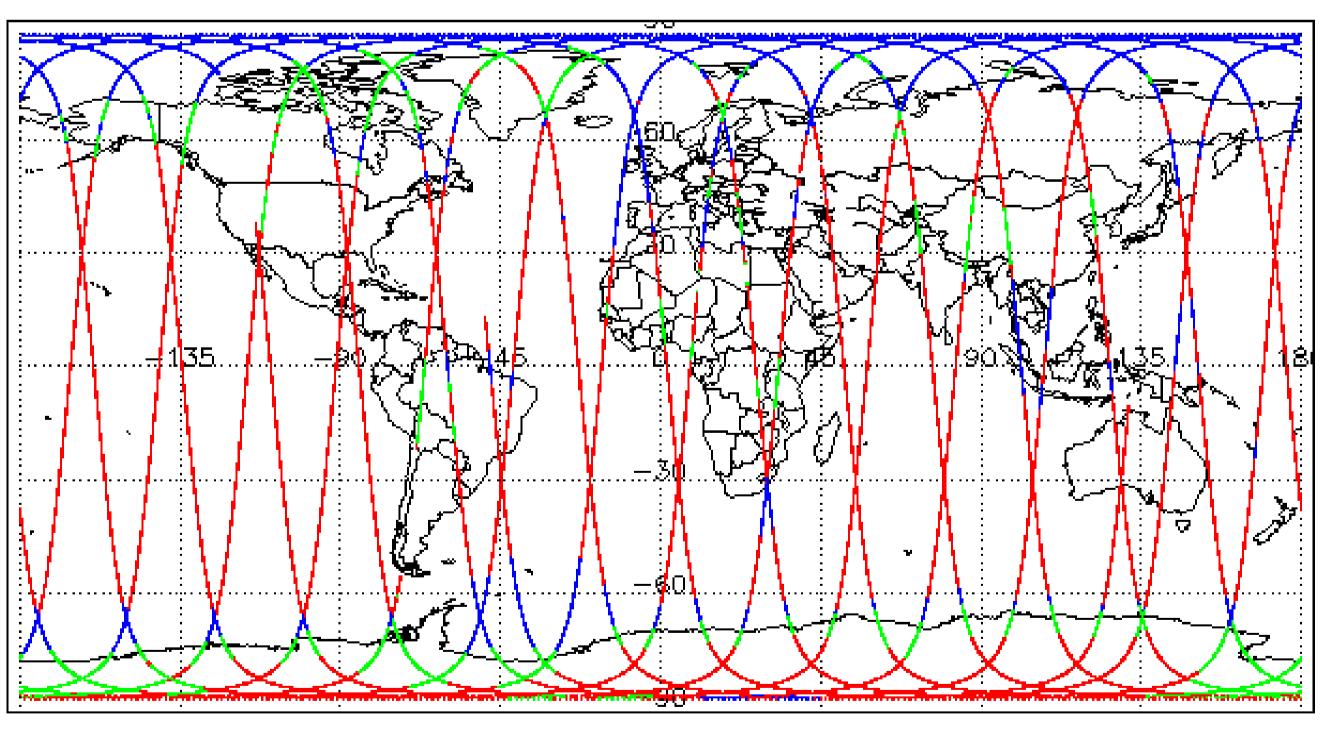
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary 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 7.1 and 7.2	See Section 7.1, 7.2

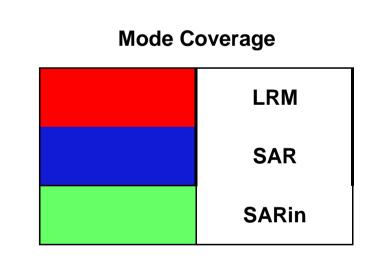
Mission / Instru	ument News
18-May-2021	None
19-May-2021	None
20-May-2021	SIRAL unavailabiltiy due to Orbit Control Manoeuvre, on 20/05/2021 from 06:57:56 UTC to 08:45:14 UTC

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B IOPR and IOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

Attitude Correction Missing: This flag is currently set in error for IOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

3

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20210519T043808_20210519T044646_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20210519T125641_20210519T125712_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20210519T155210_20210519T155701_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:

20

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20210519T062033_20210519T062117_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210519T120422_20210519T121945_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210519T010412_20210519T010658_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210519T010752_20210519T011005_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210519T075201_20210519T075224_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210519T124811_20210519T124921_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210519T190808_20210519T191003_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T042645_20210519T043643_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T060423_20210519T061200_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T074213_20210519T075005_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T075005_20210519T075128_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T075152_20210519T075201_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T092905_20210519T093309_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T110758_20210519T110908_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T124424_20210519T124810_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T142108_20210519T142730_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T173934_20210519T174937_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T192049_20210519T192836_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T204953_20210519T205256_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210519T210112_20210519T210826_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.

0

5.4 L2 Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210519T020803_20210519T024128_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_20210519T041247_20210519T041448_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_20210519T062033_20210519T062117_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_20210519T094904_20210519T100639_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_20210519T162017_20210519T162154_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_20210519T002358_20210519T002616_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_20210519T010412_20210519T010658_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_20210519T010752_20210519T011005_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_20210519T015413_20210519T015607_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_20210519T020255_20210519T020735_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_20210519T024435_20210519T024829_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_20210519T033422_20210519T033653_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_20210519T034415_20210519T034600_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_20210519T065322_20210519T065436_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_20210519T070215_20210519T070331_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_20210519T083237_20210519T083359_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_20210519T083909_20210519T084218_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FFS) Non-Equilibrium Long Period	Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20210519T101325_20210519T101609_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_20210519T101813_20210519T102341_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_20210519T110308_20210519T110339_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_20210519T115247_20210519T115523_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_20210519T124811_20210519T124921_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_20210519T142730_20210519T143231_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_20210519T151014_20210519T151203_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_20210519T152018_20210519T152240_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_20210519T160736_20210519T161153_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_20210519T182949_20210519T183324_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_20210519T200909_20210519T201229_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_20210519T205958_20210519T210112_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_20210519T215646_20210519T215754_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_20210519T223915_20210519T224026_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_20210519T233349_20210519T233539_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_20210519T011005_20210519T011654_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_20210519T024128_20210519T024349_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPR_2_20210519T024830_20210519T025347_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_20210519T025421_20210519T025532_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_20210519T042645_20210519T043643_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_20210519T060424_20210519T061200_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_20210519T062118_20210519T062316_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_20210519T074213_20210519T075005_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_20210519T075005_20210519T075128_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_20210519T092150_20210519T092905_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_20210519T092905_20210519T093309_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_20210519T110339_20210519T110758_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_20210519T110758_20210519T110908_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_20210519T124134_20210519T124424_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_20210519T124424_20210519T124810_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_20210519T125506_20210519T125641_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPR_2_20210519T142108_20210519T142730_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_20210519T160254_20210519T160735_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_20210519T173934_20210519T174937_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_20210519T192049_20210519T192836_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_20210519T210113_20210519T210826_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_20210519T224026_20210519T224741_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210519T043808_20210519T044646_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20210519T125641_20210519T125712_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20210519T155210_20210519T155701_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

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CS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C01010510138_C0101 DOES AFFICIATE ASSISTANCE SIR (SPM 2.20210519703935_20210519703935_C01010510138_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C010105101038_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C010105101038_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C010105101038_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C0101051703935_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C010105170393_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C010105170393_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C010105170393_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C010105170393_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C010105170393_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C010105170393_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_20210519703935_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_20210519703935_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_20210519703935_C0101 CCS_OFF_SIR_IOFM_2.20210519703935_20210519703935_20210519703935_C01010519703935_C	Product	Test Failed	Description
Backscaster Quality CS_OFFL_SIR_IOPN_2_20210519T003118_20210519T04138_C001 CS_OFFL_SIR_IOPN_2_20210519T003118_20210519T04138_C001 CS_OFFL_SIR_IOPN_2_20210519T003118_20210519T04138_C001 CS_OFFL_SIR_IOPN_2_20210519T003118_20210519T04138_C001 CS_OFFL_SIR_IOPN_2_20210519T003118_20210519T04138_C001 CS_OFFL_SIR_IOPN_2_20210519T003118_20210519T04138_C001 CS_OFFL_SIR_IOPN_2_20210519T003118_20210519T04138_C001 CS_OFFL_SIR_IOPN_2_20210519T00318_20210519T04138_C001 CS_OFFL_SIR_IOPN_2_20210519T013032_20210519T013038_C001 CS_OFFL_SIR_IOPN_2_20210519T013032_20210519T030323_C001 CS_OFFL_SIR_IOPN_2_20210519T013032_20210519T030323_C001 CS_OFFL_SIR_IOPN_2_20210519T013032_20210519T030323_C001 CS_OFFL_SIR_IOPN_2_20210519T03033_20210519T030323_C001 CS_OFFL_SIR_IOPN_2_20210519T03033_20210519T030323_C001 CS_OFFL_SIR_IOPN_2_20210519T03033_20210519T0304125_C001 CS_OFFL_SIR_IOPN_2_20210519T03033_20210519T0304125_C001 CS_OFFL_SIR_IOPN_2_20210519T03033_20210519T0304125_C001 CS_OFFL_SIR_IOPN_2_20210519T030407_20210519T030425_C001 CS_OFFL_SIR_IOPN_2_20210519T030407_20210519T030425_C001 CS_OFFL_SIR_IOPN_2_20210519T030407_20210519T030425_C001 CS_OFFL_SIR_IOPN_2_20210519T030407_20210519T030425_C001 CS_OFFL_SIR_IOPN_2_20210519T030407_20210519T031243_C001 CS_OFFL_SIR_IOPN_2_20210519T030407_20210519T031243_C001 CS_OFFL_SIR_IOPN_2_20210519T030407_20210519T031243_C001 CS_OFFL_SIR_IOPN_2_20210519T030407_20210519T031243_C001 CS_OFFL_SIR_IOPN_2_20210519T030407_20210519T031243_C001 CS_OFFL_SIR_IOPN_2_20210519T030407_202105	CS_OFFL_SIR_IOPM_2_20210518T235923_20210519T001439_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Sackscatter Quality CS OFFL SIR IOPM 2 20210519703118 20210519704136 0001 CS OFFL SIR IOPM 2 20210519703118 02210519704136 0001 CS OFFL SIR IOPM 2 20210519703479 202105197010026 0001 CS OFFL SIR IOPM 2 20210519703479 202105197010026 0001 CS OFFL SIR IOPM 2 202105197034001 202105197010026 0001 CS OFFL SIR IOPM 2 202105197034002 202105197010000 0001 CS OFFL SIR IOPM 2 202105197034002 202105197010000 0001 CS OFFL SIR IOPM 2 202105197034000 202105197002010 0001 CS OFFL SIR IOPM 2 202105197034000 202105197002000 0001 CS OFFL SIR IOPM 2 202105197034000 202105197002000 0001 CS OFFL SIR IOPM 2 202105197034000 2021051970034000 0001 CS OFFL SIR IOPM 2 202105197034000 0001	CS_OFFL_SIR_IOPM_2_20210519T001653_20210519T002155_C001		
and Backscater Quality Flags have been Affarred Range and Backscater Quality Flags have been Affarred Range, SSHA, SWH and Backscater Quality Flags have been Affarred Range, SSHA, SWH and Backscater Quality Flags have been Affarred Range, SSHA, SWH and Backscater Quality Flags have been Affarred Range, SSHA, SWH and Backscater Quality Flags have been Affarred Range, SSHA, SWH and Backscater Quality Flags have been Affarred Range, SSHA, SWH and Backscater Quality Flags have been Affarred Range, SSHA, SWH and Backscater Quality Flags have been Affarred Range, SSHA, SWH and Backscater Quality Flags have been Affarred Range, SSHA, SWH and Backscater Quality Flags have been Affarred Range and Backscater Quality Flags have been SHA SWH AND BACkscater Quality Flags have been S	CS_OFFL_SIR_IOPM_2_20210519T002215_20210519T002227_C001		
CS_OFFL_SIR_JOPM_2_20210519703292_202105197010026_0001 CS_OFFL_SIR_JOPM_2_202105197013923_202105197013338_0001 CS_OFFL_SIR_JOPM_2_202105197013923_202105197013338_0001 CS_OFFL_SIR_JOPM_2_202105197013923_202105197013338_0001 CS_OFFL_SIR_JOPM_2_20210519702923_202105197013338_0001 CS_OFFL_SIR_JOPM_2_20210519702923_202105197013338_0001 CS_OFFL_SIR_JOPM_2_20210519702923_202105197013338_0001 CS_OFFL_SIR_JOPM_2_20210519702923_20210519702107_0001 CS_OFFL_SIR_JOPM_2_20210519702923_20210519702107_0001 CS_OFFL_SIR_JOPM_2_20210519702923_20210519702125_0001 CS_OFFL_SIR_JOPM_2_20210519702923_202105197024125_0001 CS_OFFL_SIR_JOPM_2_20210519702923_202105197024125_0001 CS_OFFL_SIR_JOPM_2_20210519702903_202105197024125_0001 CC_OGA Alternoter Range Cuality, COCG Alternoter Range and Backscatter Quality Flags have been set for one or more records. CC_OGA Alternoter Range and Backscatter Quality Flags have been set for one or more records. CC_OGA Alternoter Range and Backscatter Quality Flags have been set for one or more records. CC_OGA Alternoter Range and Backscatter Quality Flags have been set for one or more records. CC_OGA Alternoter Range and Backscatter Quality Flags have been set for one or more records. CC_OGA Alternoter Range and Backscatter Quality Flags have been set for one or more recor	CS_OFFL_SIR_IOPM_2_20210519T003118_20210519T004136_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 CS_OFFL_SIR_IOPM_2_20210519T013923_20210519T015338_0001 CS_OFFL_SIR_IOPM_2_20210519T013923_20210519T015338_0001 CS_OFFL_SIR_IOPM_2_20210519T013923_20210519T0610538_0001 CS_OFFL_SIR_IOPM_2_20210519T015007_20210519T020107_C001 CS_OFFL_SIR_IOPM_2_20210519T020003_20210519T020107_C001 CS_OFFL_SIR_IOPM_2_20210519T020003_20210519T024128_0001 CS_OFFL_SIR_IOPM_2_20210519T030003_20210519T024128_0001 CS_OFFL_SIR_IOPM_2_20210519T030003_20210519T024128_0001 CS_OFFL_SIR_IOPM_2_20210519T030003_20210519T024128_0001 CS_OFFL_SIR_IOPM_2_20210519T030003_20210519T034126_0001 CS_OFFL_SIR_IOPM_2_20210519T030003_20210519T034126_0001 CS_OFFL_SIR_IOPM_2_20210519T030003_20210519T034026_0001 CS_OFFL_SIR_IOPM_2_20210519T030003_20210519T034026_0001 CS_OFFL_SIR_IOPM_2_20210519T030003_20210519T034026_0001 CS_OFFL_SIR_IOPM_2_20210519T030003_20210519T034026_0001 CS_OFFL_SIR_IOPM_2_20210519T030003_20210519T034026_0001 CS_OFFL_SIR_IOPM_2_20210519T030003_20210519T034026_0001 CS_OFFL_SIR_IOPM_2_20210519T030003_20210519T034026_0001 CC_OCG_Altimeter Range Quality_OCOG Backscatter Quality_COCG Backscatter Quality_COC	CS_OFFL_SIR_IOPM_2_20210519T004756_20210519T010026_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T015607_20210519T020107_C001 CS_OFFL_SIR_IOPM_2_20210519T020603_20210519T020107_C001 CS_OFFL_SIR_IOPM_2_20210519T020603_20210519T020128_C001 CS_OFFL_SIR_IOPM_2_20210519T020603_20210519T020128_C001 CS_OFFL_SIR_IOPM_2_20210519T030603_20210519T020128_C001 CS_OFFL_SIR_IOPM_2_20210519T030603_20210519T032338_C001 CS_OFFL_SIR_IOPM_2_20210519T030603_20210519T032338_C001 CS_OFFL_SIR_IOPM_2_20210519T030603_20210519T030238_C001 CS_OFFL_SIR_IOPM_2_20210519T030603_20210519T030238_C001 CS_OFFL_SIR_IOPM_2_20210519T030603_20210519T030238_C001 CS_OFFL_SIR_IOPM_2_20210519T030603_20210519T030265_C001 CS_OFFL_SIR_IOPM_2_20210519T030603_20210519T030265_C001 CS_OFFL_SIR_IOPM_2_20210519T030603_20210519T030605_C001 CS_OFFL_SIR_IOPM_2_20210519T030605_20210519T030605_C001 CS_OFFL_SIR_IOPM_2_20210519T030605_20210519T030605_C001 CS_OFFL_SIR_IOPM_2_20210519T030605_20210519T030605_C001 CS_OFFL_SIR_IOPM_2_20210519T030605_C001 CS_OFFL_SIR_IOPM_2_20210519T030605_C001 CS_OFFL_SIR_IOPM_2_20210519T030605_C001 CS_OFFL_SIR_IOPM_2_20210519T030605_C001 CS_OFFL_SIR_IOPM_2_20210519T030605_C001 CS_OFFL_SIR_IOPM_2_20210519T030605_C001 CS_OFFL_SIR_IOPM_2_20210519T044705_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T044705_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T051051243_C001 CS_OFFL_SIR_IOPM_2_20210519T051051243_C001 CS_OFFL_SIR_IOPM_2_20210519T051051243_C001 CS_OFFL_SIR_IOPM_2_20210519T0510510510510510510510510510510510510510	CS_OFFL_SIR_IOPM_2_20210519T013501_20210519T013744_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20210519T020903_20210519T024128_C001 Doean 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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T030923_20210519T034025_C001 DOCGA Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T034047_20210519T034415_C001 CS_OFFL_SIR_IOPM_2_20210519T034708_20210519T041244_C001 DOCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T044705_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T044705_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051940_C001 CS_OFFL_SIR_IOPM_2_20210519T052853_20210519T060056_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062307_C001 DOCGA Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T062365_20210519T060056_C001 CS_OFFL_SIR_IOPM_2_20210519T062365_20210519T062307_C001 DOCGA Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T062365_20210519T060056_C001 DOCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T062366_20210519T060056_C001 DOCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T062366_	CS_OFFL_SIR_IOPM_2_20210519T013923_20210519T015338_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality. OCOS Altimeter Range and Backscatter Quality Flags have been and the OCOS Altimeter Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_IOPM_2_20210519T015607_20210519T020107_C001		
CS_OFFL_SIR_IOPM_2_20210519T030923_20210519T03238_C001 and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T033653_20210519T034025_C001 CS_OFFL_SIR_IOPM_2_20210519T034047_20210519T034415_C001 CS_OFFL_SIR_IOPM_2_20210519T034047_20210519T041244_C001 CS_OFFL_SIR_IOPM_2_20210519T034708_20210519T041244_C001 CS_OFFL_SIR_IOPM_2_20210519T034708_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T044705_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051940_C001 CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051940_C001 CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051940_C001 CS_OFFL_SIR_IOPM_2_20210519T052653_20210519T060056_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_IOPM_2_20210519T020803_20210519T024128_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20210519T034047_20210519T034415_C001 CS_OFFL_SIR_IOPM_2_20210519T034708_20210519T041244_C001 CS_OFFL_SIR_IOPM_2_20210519T034708_20210519T041244_C001 CS_OFFL_SIR_IOPM_2_20210519T044705_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T044705_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051940_C001 CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051940_C001 CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051940_C001 CS_OFFL_SIR_IOPM_2_20210519T052653_20210519T060056_C001 CS_OFFL_SIR_IOPM_2_20210519T062653_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T065149_C001 CCG_Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T065149_C001 CCG_Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20210519T030923_20210519T033238_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20210519T034708_20210519T041244_C001 Backscatter Quality CS_OFFL_SIR_IOPM_2_20210519T034708_20210519T041244_C001 CS_OFFL_SIR_IOPM_2_20210519T044705_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T044705_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051243_C001 CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051940_C001 CS_OFFL_SIR_IOPM_2_20210519T052653_20210519T060056_C001 CS_OFFL_SIR_IOPM_2_20210519T052653_20210519T060056_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T064826_20210519T065149_C001 CS_OFFL_S	CS_OFFL_SIR_IOPM_2_20210519T033653_20210519T034025_C001		, ,
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051940_C001 CS_OFFL_SIR_IOPM_2_20210519T052653_20210519T060056_C001 CS_OFFL_SIR_IOPM_2_20210519T052653_20210519T060056_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T065149_C001	CS_OFFL_SIR_IOPM_2_20210519T034047_20210519T034415_C001		
CS_OFFL_SIR_IOPM_2_20210519T044705_20210519T051243_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051940_C001 CS_OFFL_SIR_IOPM_2_20210519T052653_20210519T060056_C001 CS_OFFL_SIR_IOPM_2_20210519T052653_20210519T060056_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T065149_C001 CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T0665149_C001	CS_OFFL_SIR_IOPM_2_20210519T034708_20210519T041244_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Qua	CS_OFFL_SIR_IOPM_2_20210519T044705_20210519T051243_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210519T052653_20210519T060056_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T065149_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, 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_20210519T064626_20210519T065149_C001 The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T065149_C001 The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20210519T051437_20210519T051940_C001		
CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T065149_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 and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_IOPM_2_20210519T052653_20210519T060056_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T065149_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20210519T062316_20210519T062807_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPM_2_20210519T064626_20210519T065149_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210519T065436_20210519T070013_C001 OCOG Altimeter Range Quality, OCOG 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_20210519T065436_20210519T070013_C001	3	
CS_OFFL_SIR_IOPM_2_20210519T070629_20210519T074015_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records.	CS_OFFL_SIR_IOPM_2_20210519T070629_20210519T074015_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210519T075316_20210519T075418_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags set for one or more records.	CS_OFFL_SIR_IOPM_2_20210519T075316_20210519T075418_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210519T075855_20210519T075939_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_20210519T075855_20210519T075939_C001		, ,
CS_OFFL_SIR_IOPM_2_20210519T081245_20210519T083053_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags set for one or more records.	CS_OFFL_SIR_IOPM_2_20210519T081245_20210519T083053_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

C.C.F.L.B.C.ONL.262-06 TIMOSCURE OF TIMOSC COID Ger Allunes Long. (Stell. SOIT.) G.C. LITL. SR. ONL.2 262-07 TIMOSC TIMOSC COID Ger Allunes Long. (Stell. SOIT.) G.C. LITL. SR. ONL.2 262-07 TIMOSC TIMOSC COID G.C. LITL. SR. ONL.2 262-07 TIMOSC SIZE OF TIMOSC	CS_OFFL_SIR_IOPM_2_20210519T083400_20210519T083909_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Column	CS_OFFL_SIR_IOPM_2_20210519T084522_20210519T091935_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Description of the COURT American Plants and Executed Court (1991) Cour	CS_OFFL_SIR_IOPM_2_20210519T094347_20210519T094808_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Description	CS_OFFL_SIR_IOPM_2_20210519T094904_20210519T100639_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
District Column	CS_OFFL_SIR_IOPM_2_20210519T102528_20210519T104051_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SR_IOM_2_20216619T19254_2010619T19391_CD2 CS_OFFL_SR_IOM_2_20216619T19392_CD2 CS_OFFL_SR_IOM_2_20216619T19392_CD2 CS_OFFL_SR_IOM_2_20216619T19392_CD2 CS_OFFL_SR_IOM_2_20216619T19392_CD2 CS_OFFL_SR_IOM_2_20216619T19392_CD2 CS_OFFL_SR_IOM_2_20216619T19393_CD2 CS_OFFL_SR_IOM_2_20216619T	CS_OFFL_SIR_IOPM_2_20210519T104230_20210519T104509_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Bassacate Quality, COCO Alternate Range and Bassacate Quality Plags have been affected from an other secrets before the control reference and bassacate Quality Plags have been affected from an other secrets before the common reference and beautiful plags have been affected from an other secrets before the common reference and beautiful plags have been affected from an other secrets bedoming the common reference and beautiful plags have been affected from an other secrets bedoming the common reference and beautiful plags have been affected from an other secrets bedoming the common reference and beautiful plags have been affected from an other secrets bedoming the common reference and beautiful plags have been affected from an other secrets bedoming the common reference and beautiful plags have been affected from an other secrets bedoming the common reference and beautiful plags have been affected from an other secrets bedoming the common reference and beautiful plags have been affected from an other secrets bedoming the common reference and beautiful plags have been affected from an other secrets bedoming the common reference	CS_OFFL_SIR_IOPM_2_20210519T104715_20210519T105528_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SR_IOPN_2_200*0519715025_02015597110205_009* and Balaszaters Caulity, COCO Altered Range and Balaszater Caulity Rage in the COCO Altered Range and Balaszater Caulity Rage in the Coco Altered Range and	CS_OFFL_SIR_IOPM_2_20210519T111419_20210519T113217_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Exchanged and Secretar County CS_OFFL_SIR_JOPM _2_202*05191*2492*_202*05191*129141 COP SOFFL_SIR_JOPM _2_202*05191*2492*_202*05191*129141 COP CS_OFFL_SIR_JOPM _2_202*05191*2492*_202*05191*129141 COP SOFFL_SIR_JOPM _2_202*05191*2492*_202*05191*129141 COP SOFFL_SIR_JOPM _2_202*05191*2492*_202*05191*12905*_COP SOFFL_SIR_JOPM _2_202*05191*2492*_202*05191*12905*_COP SOFFL_SIR_JOPM _2_202*05191*2492*_202*05191*12905*_COP SOFFL_SIR_JOPM _2_202*05191*2492*_202*05191*32935*_COP SOFFL_SIR_JOPM _2_202*05191*2293*_202*05191*32935*_COP SOFFL_SIR_JOPM _2_202*05191*2293*_202*05191*32935*_COP SOFFL_SIR_JOPM _2_202*05191*32935*_202*05191*32935*_COP SOFFL_SIR_JOPM _2_202*0519	CS_OFFL_SIR_IOPM_2_20210519T113502_20210519T114715_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and flox-bosted Quality (COC) Alternate Range and Backscatter Quality (Flags have been all flow-bosted possible (COC) Alternate Range and Backscatter Quality (COC) Alternate Range (Coc) COC Alternate Rang	CS_OFFL_SIR_IOPM_2_20210519T115835_20210519T120225_C001		
and flackostater Quality. COCG Altimeter Range and Backostater Quality Flags have been set for on or more records. CS_OFFL_SR_IOPM_2_20210519T124221_20210519T125008_C001 CS_OFFL_SR_IOPM_2_20210519T125342_20210519T125008_C001 CS_OFFL_SR_IOPM_2_20210519T125342_20210519T125008_C001 CS_OFFL_SR_IOPM_2_20210519T125342_20210519T125008_C001 CS_OFFL_SR_IOPM_2_20210519T125342_20210519T125008_C001 CS_OFFL_SR_IOPM_2_20210519T125342_20210519T125008_C001 CS_OFFL_SR_IOPM_2_20210519T125342_20210519T125082_C001 CS_OFFL_SR_IOPM_2_20210519T125342_20210519T132762_C001 CS_OFFL_SR_IOPM_2_20210519T125342_20210519T132762_C001 CS_OFFL_SR_IOPM_2_20210519T132752_20210519T132762_C001 CS_OFFL_SR_IOPM_2_20210519T132752_20210519T132762_C001 CS_OFFL_SR_IOPM_2_20210519T132752_20210519T132762_C001 CS_OFFL_SR_IOPM_2_20210519T133334_20210519T132638_C001 CS_OFFL_SR_IOPM_2_20210519T133334_20210519T132638_C001 CS_OFFL_SR_IOPM_2_20210519T133334_20210519T132638_C001 CS_OFFL_SR_IOPM_2_20210519T133334_20210519T132682_C001 CS_OFFL_SR_IOPM_2_20210519T133342_20210519T132682_C001 CS_OFFL_SR_IOPM_2_20210519T133542_20210519T132682_C001 CS_OFFL_SR_IOPM_2_20210519T133542_20210519T132682_C001 CS_OFFL_SR_IOPM_2_20210519T133542_20210519T132682_C001 CS_OFFL_SR_IOPM_2_20210519T133542_20210519T132682_C001 CS_OFFL_SR_IOPM_2_20210519T133542_20210519T132682_C001 CS_OFFL_SR_IOPM_2_20210519T133512_20210519T132682_C001 CS_OFFL_SR_IOPM_2_20210519T133512_20210519T132682_C001 CS_OFFL_SR_IOPM_2_20210519T133512_20210519T132682_C001 CS_OFFL_SR_IOPM_2_20210519T143512_20210519T152018_C001 CS_OFFL_SR_IOPM_2_20210519T143512_20210519T152018_C001 CS_OFFL_SR_IOPM_2_20210519T162032_20210519T152018_C001 CS_OFFL_SR_IOPM_2_20210519T162032_20210519T152018_C001 CS_OFFL_SR_IOPM_2_20210519T162032_20210519T152018_C001 CS_OFFL_SR_IOPM_2_20210519T162032_20210519T152018_C001 CS_OFFL_SR_IOPM_2_20210519T162032_20210519T152018_C001 CS_OFFL_SR_IOPM_2_20210519T162032_20210519T152018_C001 CS_OFFL_SR_IOPM_2_20210519T162032_20210519T152018_C001 CS_OFFL_SR_IOPM_2_20210519	CS_OFFL_SIR_IOPM_2_20210519T120422_20210519T121945_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backastart Quality CS_OFFL_SIR_IOPM_2_20210519T125354_20210519T125506_0001 CS_OFFL_SIR_IOPM_2_20210519T125354_20210519T125506_0001 CS_OFFL_SIR_IOPM_2_20210519T125741_20210519T131031_0001 CS_OFFL_SIR_IOPM_2_20210519T125741_20210519T131031_0001 CS_OFFL_SIR_IOPM_2_20210519T136742_20210519T13755_0001 CS_OFFL_SIR_IOPM_2_20210519T136742_20210519T13755_0001 CS_OFFL_SIR_IOPM_2_20210519T136742_20210519T13755_0001 CS_OFFL_SIR_IOPM_2_20210519T1375344_20210519T13755_0001 CS_OFFL_SIR_IOPM_2_20210519T1375344_20210519T13755_0001 CS_OFFL_SIR_IOPM_2_20210519T137534_20210519T13755_0001 CS_OFFL_SIR_IOPM_2_20210519T137534_200010519T13755_0001 CS_OFFL_SIR_IOPM_2_20210519T137534_200010519T140004_0001 CS_OFFL_SIR_IOPM_2_20210519T140004_200010519T140004_0001 CS_OFFL_SIR_IOPM_2_20210519T140004_200010519T140004_0001 CS_OFFL_SIR_IOPM_2_20210519T140004_20010519T140004_0001 CS_OFFL_SIR_IOPM_2_20210519T1500519T160001_0001 CS_OFFL_SIR_IOPM_2_20210519T150051_00010519T160001_0001 CS_OFFL_SIR_IOPM_2_20210519T150051_00010519T160001_0001 CS_OFFL_SIR_IOPM_2_20210519T150051_00010519T160001_0001 CS_OFFL_SIR_IOPM_2_20210519T150051_00010519T160001_0001 CS_OFFL_SIR_IOPM_2_20210519T150051_00010519T160001_0001 CS_OFFL_SIR_IOPM_2_20210519T150051_00010519T160001_0001 CS_OFFL_SIR_IOPM_2_20210519T150051_00010519T160001_0001 CS_OFFL_SIR_IOPM_2_20210519T150051_00010519T160001_0001 CS_OFFL_SIR_IOPM_2_20210519T150051_00010	CS_OFFL_SIR_IOPM_2_20210519T122147_20210519T123111_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscaster Quality COCG Altimoter Range and Backscaster Quality Flags have been and for OCGO Altimoter Range and Backscaster Quality Flags and for OCGO Altimoter Range and Backscaster Quality Flags and for OCGO Altimoter Range and Backscaster Quality Flags and for OCGO Altimoter Range and Backscaster Quality Flags and for OCGO Altimoter Range and Backscaster Quality Flags and for OCGO Altimoter Range and Backscaster Quality Flags and for OCGO Altimoter Range and Backscaster Quality Flags and beackscaster Quality Flags have been set for one or more records. CS OFFL SIR IOPM 2 20210519T133334 20210519T135862 C001 CS OFFL SIR IOPM 2 20210519T134405 20210519T135862 C001 CS OFFL SIR IOPM 2 20210519T145818 20210519T145834 C001 CS OFFL SIR IOPM 2 20210519T145835 20210519T150001 C001 CS OFFL SIR IOPM 2 20210519T145835 20210519T150001 C001 CS OFFL SIR IOPM 2 20210519T150057 20210519T150001 C001 CS OFFL SIR IOPM 2 20210519T1500	CS_OFFL_SIR_IOPM_2_20210519T124921_20210519T125036_C001		
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been at the COCG Altimeter Range and Backscatter Quality Flags have been at the COCG Altimeter Range. SPHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags have been and Backscatter Quality Flags have been at the COCG Altimeter Range. SPHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T132334_20210519T134128_C001 CS_OFFL_SIR_IOPM_2_20210519T134354_20210519T134128_C001 CS_OFFL_SIR_IOPM_2_20210519T134405_20210519T1345852_C001 CS_OFFL_SIR_IOPM_2_20210519T134405_20210519T1345034_C001 CS_OFFL_SIR_IOPM_2_20210519T134405_20210519T1345034_C001 CS_OFFL_SIR_IOPM_2_20210519T134352_C0010519T145034_C001 CS_OFFL_SIR_IOPM_2_20210519T145037_20210519T145034_C001 CS_OFFL_SIR_IOPM_2_20210519T154352_20210519T145034_C001 CS_OFFL_SIR_IOPM_2_20210519T154352_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T154352_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T154352_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T162164_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T162164_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T162164_C001 CS_OFFL_SIR_IOPM_2_20210519T162351_20210519T162164_C001 CS_OFFL_SIR_IOPM_2_	CS_OFFL_SIR_IOPM_2_20210519T125354_20210519T125506_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been at International Backscatter Quality COCG Coan Altimeter Range and Backscatter Quality Flags have been at International Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been at International Plant of the Ocean Altimeter Range and Backscatter Quality Flags have been at International Plant of the Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T133334_20210519T134128_CO01 CS_OFFL_SIR_IOPM_2_20210519T134405_20210519T135552_CO01 Altimeter Range Quality, COCG Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T143618_20210519T145034_CO01 CS_OFFL_SIR_IOPM_2_20210519T145037_20210519T145034_CO01 CS_OFFL_SIR_IOPM_2_20210519T145037_20210519T150001 CO01 Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T145037_20210519T150001 CO01 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T150001 CO01 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T152018_CO01 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T152018_CO01 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_CO01 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_	CS_OFFL_SIR_IOPM_2_20210519T125741_20210519T131031_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 Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T133334_20210519T134128_C001 CS_OFFL_SIR_IOPM_2_20210519T134405_20210519T134552_C001 CS_OFFL_SIR_IOPM_2_20210519T134405_20210519T136852_C001 CS_OFFL_SIR_IOPM_2_20210519T143618_20210519T145034_C001 CS_OFFL_SIR_IOPM_2_20210519T143618_20210519T145034_C001 CS_OFFL_SIR_IOPM_2_20210519T145037_20210519T150901_C001 CS_OFFL_SIR_IOPM_2_20210519T154503_20210519T150901_C001 CS_OFFL_SIR_IOPM_2_20210519T15455_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T15435_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T15435_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162754_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162754_C001 CS_OFFL_SIR_IOPM_2_20210519T162022_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162037_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162037_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162037_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162037_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162037_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162037_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T164743_20210519T164747_C001	CS_OFFL_SIR_IOPM_2_20210519T132623_20210519T132752_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20210519T134405_20210519T135852_C001 CS_OFFL_SIR_IOPM_2_20210519T143618_20210519T145034_C001 CS_OFFL_SIR_IOPM_2_20210519T145037_20210519T150901_C001 CS_OFFL_SIR_IOPM_2_20210519T145037_20210519T150901_C001 CS_OFFL_SIR_IOPM_2_20210519T154352_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T154819_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T154819_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T16	CS_OFFL_SIR_IOPM_2_20210519T132759_20210519T132936_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 and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210519T143618_20210519T145034_C001 CS_OFFL_SIR_IOPM_2_20210519T145037_20210519T150901_C001 CS_OFFL_SIR_IOPM_2_20210519T145037_20210519T150901_C001 CS_OFFL_SIR_IOPM_2_20210519T151435_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T151435_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T154819_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162007_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162007_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162007_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162007_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162007_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162007_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162007_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162007_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162007_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162007_20210519T162104_C001 CS_	CS_OFFL_SIR_IOPM_2_20210519T133334_20210519T134128_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T145037_20210519T150901_C001 CS_OFFL_SIR_IOPM_2_20210519T151435_20210519T150901_C001 CS_OFFL_SIR_IOPM_2_20210519T151435_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T151435_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T154819_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T154819_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162002_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162002_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162002_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162002_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162004_20210519T164747_C001 CS_OFFL_SIR_IOPM_2_20210519T162004_20210519T16474	CS_OFFL_SIR_IOPM_2_20210519T134405_20210519T135852_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_20210519T151435_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T152018_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T154819_C001 CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162022_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162022_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162022_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162022_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162022_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162022_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T16216413_20210519T162017_2	CS_OFFL_SIR_IOPM_2_20210519T143618_20210519T145034_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags 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. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, 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 have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20210519T145037_20210519T150901_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T154819_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records. CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 CS_OFFL_SIR_IOPM_2_20210519T162202_20210519T164747_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set one or more records.	CS_OFFL_SIR_IOPM_2_20210519T151435_20210519T152018_C001		
CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags 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_20210519T165413_20210519T165844_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_IOPM_2_20210519T152351_20210519T154819_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210519T162202_20210519T164747_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altimeter Range and Backscatter Quality Flags have been set The OCOG Altim	CS_OFFL_SIR_IOPM_2_20210519T162017_20210519T162154_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
U.S. OFFI, SIR TOPM 2, 202105191165413, 202105191165844 C.001	CS_OFFL_SIR_IOPM_2_20210519T162202_20210519T164747_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPM_2_20210519T165413_20210519T165844_C001		, ,

CS_OFFL_SIR_IOPM_2_20210519T170216_20210519T172959_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_20210519T173902_20210519T173934_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_20210519T175407_20210519T182640_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_20210519T183325_20210519T183900_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_20210519T184116_20210519T184646_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_20210519T185024_20210519T185620_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_20210519T191759_20210519T191938_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_20210519T193253_20210519T200613_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_20210519T201229_20210519T201741_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_20210519T202045_20210519T203927_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_20210519T205724_20210519T205739_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_20210519T211114_20210519T213247_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_20210519T213356_20210519T214440_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_20210519T214940_20210519T215229_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_20210519T215247_20210519T215645_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_20210519T220103_20210519T222748_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_20210519T222803_20210519T223509_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_20210519T223654_20210519T223915_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_20210519T225116_20210519T230208_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_20210519T230649_20210519T230759_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20210519T230802_20210519T232414_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_20210519T232610_20210519T233129_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20210519T234223_20210519T235508_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_20210519T235722_20210520T001108_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210519T030324_20210519T030431_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_20210519T140823_20210519T141219_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_20210519T142730_20210519T143231_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210519T160106_20210519T160123_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210519T191701_20210519T191759_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_20210519T013744_20210519T013923_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.

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Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20210519T002358_20210519T002616_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_20210519T004510_20210519T004544_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_20210519T010400_20210519T010412_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_20210519T010412_20210519T010658_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_20210519T010752_20210519T011005_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_20210519T020255_20210519T020735_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_20210519T024435_20210519T024829_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_20210519T030324_20210519T030431_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_20210519T030517_20210519T030846_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_20210519T034025_20210519T034032_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_20210519T034415_20210519T034600_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_20210519T051305_20210519T051436_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_20210519T052315_20210519T052436_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_20210519T060056_20210519T060238_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_20210519T063333_20210519T063706_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_20210519T070215_20210519T070331_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_20210519T075128_20210519T075152_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_20210519T081136_20210519T081245_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_20210519T083909_20210519T084218_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_20210519T101325_20210519T101609_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_20210519T110908_20210519T111338_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_20210519T115723_20210519T115834_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_20210519T120225_20210519T120405_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_20210519T123111_20210519T123409_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_20210519T131031_20210519T131633_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_20210519T133010_20210519T133333_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_20210519T134128_20210519T134316_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_20210519T140823_20210519T141219_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_20210519T151014_20210519T151203_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_20210519T154820_20210519T155210_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_20210519T160106_20210519T160123_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_20210519T160220_20210519T160254_C001	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210519T160736_20210519T161153_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_20210519T161656_20210519T161946_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_20210519T164946_20210519T165126_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_20210519T165845_20210519T170129_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_20210519T182949_20210519T183324_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_20210519T185620_20210519T185732_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_20210519T193116_20210519T193247_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_20210519T201742_20210519T201906_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_20210519T203927_20210519T204245_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_20210519T205958_20210519T210112_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_20210519T214622_20210519T214940_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_20210519T004544_20210519T004756_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_20210519T010026_20210519T010107_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_20210519T010248_20210519T010400_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210519T010659_20210519T010752_C001	PLRM 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_20210519T011005_20210519T011654_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_20210519T015339_20210519T015413_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_20210519T024128_20210519T024349_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_20210519T024830_20210519T025347_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_20210519T025421_20210519T025532_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_20210519T042645_20210519T043643_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_20210519T060238_20210519T060315_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_20210519T060424_20210519T061200_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_20210519T061225_20210519T061712_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_20210519T065149_20210519T065322_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_20210519T070331_20210519T070629_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_20210519T074057_20210519T074149_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_20210519T074213_20210519T075005_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_20210519T075005_20210519T075128_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_20210519T075225_20210519T075316_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_20210519T075533_20210519T075855_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_20210519T084219_20210519T084521_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_20210519T091935_20210519T092033_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_20210519T092150_20210519T092905_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_20210519T100640_20210519T101325_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_20210519T105528_20210519T105918_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_20210519T110147_20210519T110307_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_20210519T110339_20210519T110758_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_20210519T110758_20210519T110908_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_20210519T113217_20210519T113330_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_20210519T114716_20210519T115247_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_20210519T121945_20210519T122147_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_20210519T124424_20210519T124810_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_20210519T125224_20210519T125354_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_20210519T125506_20210519T125641_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_20210519T135852_20210519T140620_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_20210519T142108_20210519T142730_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_20210519T143231_20210519T143237_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_20210519T143318_20210519T143529_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_20210519T155847_20210519T160106_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_20210519T160254_20210519T160735_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_20210519T164747_20210519T164946_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_20210519T173655_20210519T173902_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_20210519T173934_20210519T174937_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_20210519T182640_20210519T182949_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_20210519T191938_20210519T192021_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_20210519T192049_20210519T192836_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_20210519T193015_20210519T193116_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_20210519T200614_20210519T200909_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_20210519T201907_20210519T202045_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_20210519T204740_20210519T204813_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_20210519T204953_20210519T205256_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_20210519T210113_20210519T210826_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_20210519T214440_20210519T214622_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_20210519T215754_20210519T220103_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_20210519T224026_20210519T224741_C001	TAITIMETER Range and Backscatter Cluality	The Ocean Altimeter Range, SSHA, SWH 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_20210519T235508_20210519T235711_C001		The OCOG 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.

150

0

0

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

Number of products with errors: 194

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: 72

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors:

6. OP L2 Pole-to-Pole Data Quality Check

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220210519T002200_20210519T011139_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_220210519T011139_20210519T020115_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_220210519T020115_20210519T025054_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_220210519T025054_20210519T034030_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_220210519T034030_20210519T043009_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_220210519T043009_20210519T051944_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_220210519T051944_20210519T060924_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_220210519T060924_20210519T065859_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_220210519T065859_20210519T074838_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_220210519T074838_20210519T083814_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_220210519T083814_20210519T092753_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_220210519T092753_20210519T101728_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_220210519T101728_20210519T110707_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_220210519T110707_20210519T115643_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_220210519T115643_20210519T124622_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_220210519T124622_20210519T133557_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_220210519T133557_20210519T142537_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_220210519T142537_20210519T151512_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_220210519T151512_20210519T160451_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_220210519T160451_20210519T165427_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_220210519T165427_20210519T174406_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_220210519T174406_20210519T183342_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_220210519T183342_20210519T192321_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_220210519T192321_20210519T201256_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_220210519T201256_20210519T210235_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_220210519T210235_20210519T215211_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_220210519T215211_20210519T224150_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_220210519T224150_20210519T233125_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_220210519T233125_20210520T002105_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_220210519T043009_20210519T051944_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220210519T124622_20210519T133557_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220210519T151512_20210519T160451_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: 30

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors: 30

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors:

30

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:

30

29

7. IOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_IOPM1B	161	161	2	159	0
SIR_IOPR1B	117	101	1	100	0
SIR_IOPN1B	101	117	0	117	0
SIR_IOPM_2	161	161	108	53	0
SIR_IOPR_2	117	101	41	60	0
SIR_IOPN_2	101	117	23	91	3
SIR IOP P2P	29	29	0	26	3

7.1 QCC Errors

Number of QCC reports with errors:

12

Total number of occurrences of each error

					1 0 1011 11011111001	0. 00000					
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_IOPR_2	3	3	3	3							
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR IOP 2	3	3	3	3							

Test Description Key:				
Abbreviation	Test name	Details		
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7		
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7		
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7		
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7		

7.2 QCC Warnings

Number of QCC reports with warnings

2307

Total number of occurrences of each warning

	retai mamber er eccarrence er caen warning						
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_IOPM1B	159	0	0	0	0	0	0
SIR_IOPM_2	0	0	44	43	0	38	0
SIR_IOPN1B	98	0	0	0	0	0	0
SIR_IOPN_2	0	0	4	32	5	27	28
SIR_IOPR1B	115	0	0	0	0	0	0
SIR_IOPR_2	0	3	38	51	2	44	34

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	PRPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	34	38	0	0	0	0	30
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	20	0	0	21	0	31	0
SIR_IOPR1B	0	0	0	0	0	0	0
SIR IOPR 2	19	0	56	0	63	0	0

Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	0	0	8	30	0	7	37
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	0	26	28	46	54	31	29
SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	56	0	2	78	41	8	43

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF -	-
SIR_IOPM1B	0	0	0	0	0	
SIR_IOPM_2	0	4	0	0	0	
SIR_IOPN1B	0	0	0	47	2	
SIR_IOPN_2	31	17	1	0	0	
SIR_IOPR1B	0	0	0	117	7	
SIR IOPR 2	59	1	5	0	0	

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCI	RBSZOPOEPNCDF
SIR_IOP_2_	21	29	29	5	29	19	27
Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	•	-	•
SIR_IOP_2_	29	20	17	29			

Test Description Key:						
Abbreviation	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)				
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
	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
	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
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:

Product name
No IOPX reports missing

Product name

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