

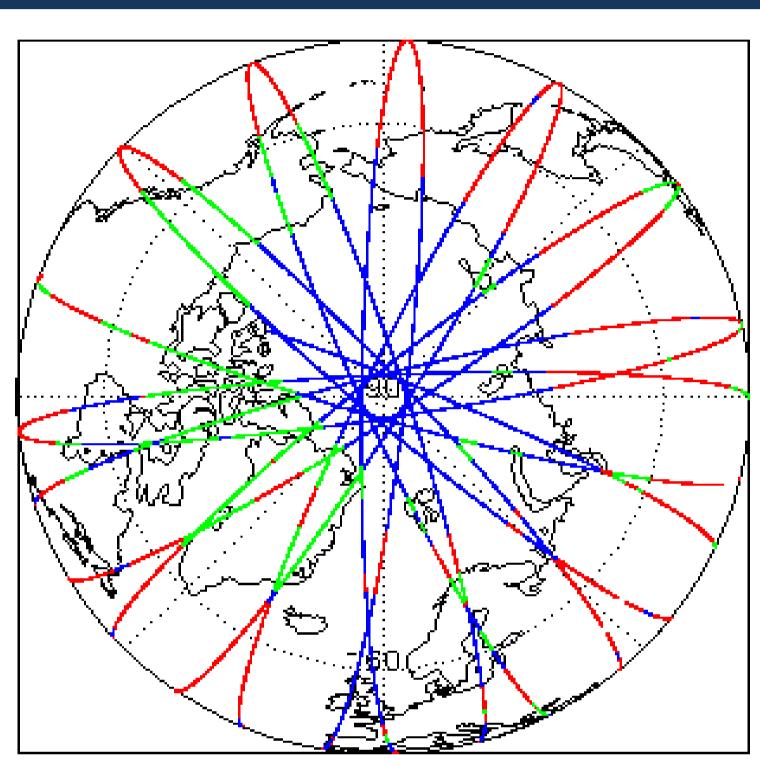
1. Overview

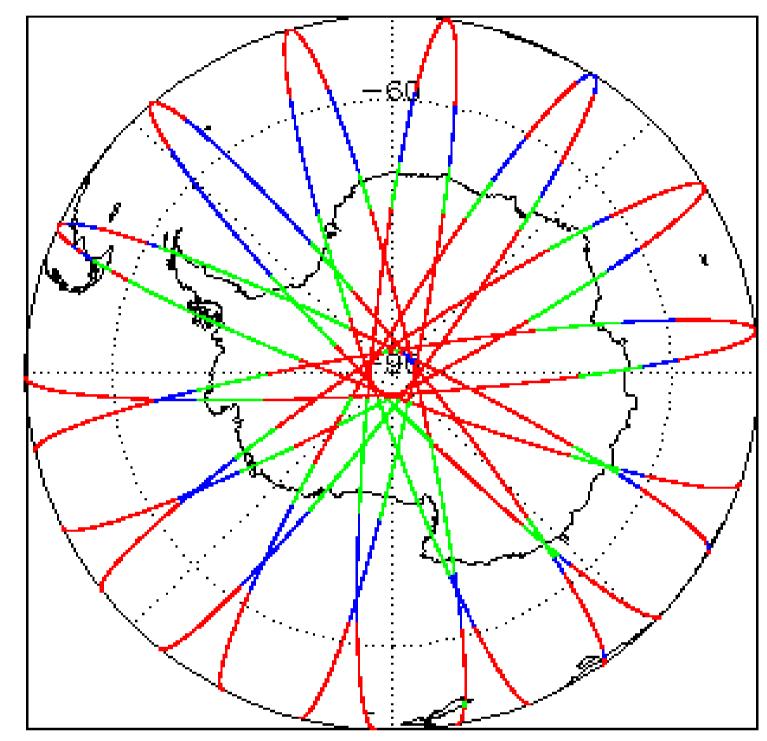
Report Production:	05-Jul-2021	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	

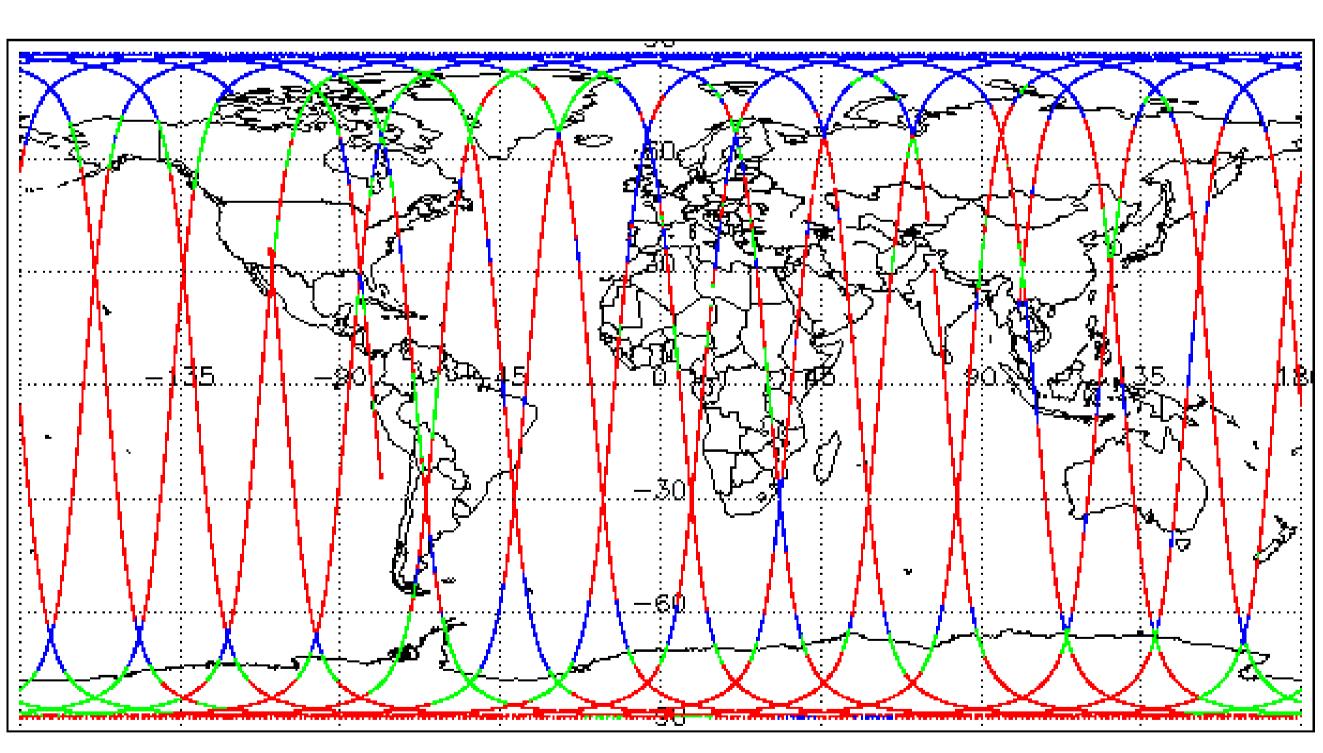
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

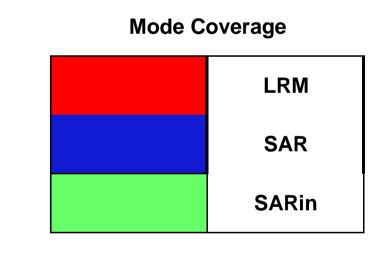
Mission / Instru	ument News
29-Jun-2021	None
30-Jun-2021	None
01-Jul-2021	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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:

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_20210630T021853_20210630T022536_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20210630T080606_20210630T084212_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20210630T165258_20210630T165439_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_20210630T002439_20210630T002455_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210630T103723_20210630T105056_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210630T202814_20210630T203345_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210630T221703_20210630T222616_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210630T035213_20210630T035242_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210630T075841_20210630T080400_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210630T084936_20210630T085353_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210630T103123_20210630T103353_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210630T134135_20210630T134154_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210630T134252_20210630T134318_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210630T152857_20210630T153505_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210630T164827_20210630T165033_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210630T201933_20210630T202050_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210630T215429_20210630T215819_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210630T225251_20210630T225905_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210630T233450_20210630T233754_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210630T020720_20210630T021703_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210630T134318_20210630T134736_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210630T142803_20210630T143015_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210630T164745_20210630T164827_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors: 0

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

5.4 L2 Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210630T002439_20210630T002455_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_IOPM_2_20210630T021703_20210630T021738_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_20210630T133850_20210630T133909_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_20210630T002455_20210630T002857_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_20210630T012421_20210630T012621_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_20210630T061301_20210630T061427_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_20210630T061938_20210630T062242_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_IOPN_2_20210630T075841_20210630T080400_C001	Mean Sea Surface (1), Mean Dynamic Topography (1) меап Sea Surrace (1), меап Бупатіс	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20210630T084936_20210630T085353_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_IOPN_2_20210630T093318_20210630T093553_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_20210630T102831_20210630T102944_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_20210630T103123_20210630T103353_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_20210630T110615_20210630T110716_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_20210630T110820_20210630T111416_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_20210630T120754_20210630T121015_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_20210630T125035_20210630T125227_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_20210630T134736_20210630T135212_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_20210630T143015_20210630T143153_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_20210630T161007_20210630T161352_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_20210630T165746_20210630T165835_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_20210630T184033_20210630T184123_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_20210630T193719_20210630T193826_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_20210630T215831_20210630T220003_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_20210630T225251_20210630T225905_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_20210630T233450_20210630T233754_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_20210630T233800_20210630T233854_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_20210630T002857_20210630T003419_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_20210630T020720_20210630T021703_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_20210630T034437_20210630T035213_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_20210630T040255_20210630T040338_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_20210630T052334_20210630T053029_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_20210630T053029_20210630T053313_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_20210630T070214_20210630T070929_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_20210630T070929_20210630T071158_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_20210630T084401_20210630T084824_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_20210630T084824_20210630T084936_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_20210630T102150_20210630T102550_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_20210630T102550_20210630T102830_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_20210630T120147_20210630T120754_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_20210630T134318_20210630T134736_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_20210630T152002_20210630T152857_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_20210630T170115_20210630T170902_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_20210630T184123_20210630T185023_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_20210630T202050_20210630T202814_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_20210630T220003_20210630T220524_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_20210630T233854_20210630T234107_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_20210630T234107_20210630T234608_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210630T021853_20210630T022536_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_20210630T080606_20210630T084212_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_20210630T165258_20210630T165439_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

Number of products with errors:

83

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210629T235331_20210630T000458_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_20210630T000533_20210630T001159_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.
		The Ocean Altimeter Range, SSHA, SWH 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_20210630T011715_20210630T012054_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_20210630T012116_20210630T012421_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_20210630T012749_20210630T015414_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_20210630T022820_20210630T025227_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_20210630T025458_20210630T030009_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_20210630T030729_20210630T034046_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_20210630T035633_20210630T040022_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_20210630T040339_20210630T041006_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_20210630T043459_20210630T044043_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_20210630T044723_20210630T052024_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_20210630T054822_20210630T055005_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_20210630T055110_20210630T061011_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_20210630T061427_20210630T061937_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_20210630T062612_20210630T070214_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_20210630T062612_20210630T070214_C001 CS_OFFL_SIR_IOPM_2_20210630T071159_20210630T071357_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210630T071159_20210630T071357_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210630T071159_20210630T071357_C001 CS_OFFL_SIR_IOPM_2_20210630T072411_20210630T072854_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210630T071159_20210630T071357_C001 CS_OFFL_SIR_IOPM_2_20210630T072411_20210630T072854_C001 CS_OFFL_SIR_IOPM_2_20210630T072935_20210630T074902_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210630T071159_20210630T071357_C001 CS_OFFL_SIR_IOPM_2_20210630T072411_20210630T072854_C001 CS_OFFL_SIR_IOPM_2_20210630T072935_20210630T074902_C001 CS_OFFL_SIR_IOPM_2_20210630T080606_20210630T084212_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T071159_20210630T071357_C001 CS_OFFL_SIR_IOPM_2_20210630T072411_20210630T072854_C001 CS_OFFL_SIR_IOPM_2_20210630T072935_20210630T074902_C001 CS_OFFL_SIR_IOPM_2_20210630T080606_20210630T084212_C001 CS_OFFL_SIR_IOPM_2_20210630T080606_20210630T091319_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T071159_20210630T071357_C001 CS_OFFL_SIR_IOPM_2_20210630T072411_20210630T072854_C001 CS_OFFL_SIR_IOPM_2_20210630T072935_20210630T074902_C001 CS_OFFL_SIR_IOPM_2_20210630T080606_20210630T084212_C001 CS_OFFL_SIR_IOPM_2_20210630T085426_20210630T091319_C001 CS_OFFL_SIR_IOPM_2_20210630T085426_20210630T091319_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T071159_20210630T071357_C001 CS_OFFL_SIR_IOPM_2_20210630T072411_20210630T072854_C001 CS_OFFL_SIR_IOPM_2_20210630T072935_20210630T074902_C001 CS_OFFL_SIR_IOPM_2_20210630T080606_20210630T084212_C001 CS_OFFL_SIR_IOPM_2_20210630T085426_20210630T091319_C001 CS_OFFL_SIR_IOPM_2_20210630T091354_20210630T092703_C001 CS_OFFL_SIR_IOPM_2_20210630T093921_20210630T094253_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T071159_20210630T071357_C001 CS_OFFL_SIR_IOPM_2_20210630T072411_20210630T072854_C001 CS_OFFL_SIR_IOPM_2_20210630T072935_20210630T074902_C001 CS_OFFL_SIR_IOPM_2_20210630T080606_20210630T084212_C001 CS_OFFL_SIR_IOPM_2_20210630T085426_20210630T091319_C001 CS_OFFL_SIR_IOPM_2_20210630T091354_20210630T092703_C001 CS_OFFL_SIR_IOPM_2_20210630T093921_20210630T094253_C001 CS_OFFL_SIR_IOPM_2_20210630T093921_20210630T094253_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T071159_20210630T071357_C001 CS_OFFL_SIR_IOPM_2_20210630T072411_20210630T072854_C001 CS_OFFL_SIR_IOPM_2_20210630T072935_20210630T074902_C001 CS_OFFL_SIR_IOPM_2_20210630T080606_20210630T084212_C001 CS_OFFL_SIR_IOPM_2_20210630T085426_20210630T091319_C001 CS_OFFL_SIR_IOPM_2_20210630T091354_20210630T092703_C001 CS_OFFL_SIR_IOPM_2_20210630T093921_20210630T094253_C001 CS_OFFL_SIR_IOPM_2_20210630T094505_20210630T100013_C001 CS_OFFL_SIR_IOPM_2_20210630T100215_20210630T101136_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_IOPM_2_20210630T11722_20210630T112155_C001 OCGA Altimeter Range Quality, OCOG Backscatter Quality Flags have been for one or more records. Ocean Altimeter Range SSHA, SWH and Backscatter Quality Flags have been for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been for one or more records. Ocean Altimeter Range and Backscatter Quality Flags have been for one or more records. CS_OFFL_SIR_IOPM_2_20210630T12547_20210630T124912_C001 CS_OFFL_SIR_IOPM_2_20210630T12527_20210630T130054_C001 OCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. OCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. OCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records. OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records. OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records. OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records. OCGA Altimeter Range and Backscatter Quality Flags have been for one or more records. OCGA Altimeter Range and Backscatter Quality Flags have been for one or more records. OCGA Altimeter Range and Backscatter Quality Flags have been for one or more records. OCGA Altimeter Range Quality, OCGA Altimeter Range and Backscatter Quality Flags have been for one or more records. OCGA Altimeter Range and Backscatter Quality Flags have been for one or more records.
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have beer CS_OFFL_SIR_IOPM_2_20210630T122547_20210630T124912_C001 CS_OFFL_SIR_IOPM_2_20210630T12527_20210630T130054_C001 CS_OFFL_SIR_IOPM_2_20210630T130426_20210630T130054_C001 CS_OFFL_SIR_IOPM_2_20210630T130426_20210630T130054_C001 CS_OFFL_SIR_IOPM_2_20210630T130426_20210630T130054_C001 CS_OFFL_SIR_IOPM_2_20210630T130426_20210630T130054_C001 CS_OFFL_SIR_IOPM_2_20210630T130426_20210630T132907_C001 CS_OFFL_SIR_IOPM_2_20210630T140200_20210630T142803_C001 CS_OFFL_SIR_IOPM_2_20210630T140200_20210630T142803_C001 CS_OFFL_SIR_IOPM_2_20210630T140200_20210630T143856_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T143856_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 Altimeter Range and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have beer for one or more records. CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T143856_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 CS_OFF
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. CS_OFFL_SIR_IOPM_2_20210630T125227_20210630T130054_C001 CS_OFFL_SIR_IOPM_2_20210630T130426_20210630T130054_C001 CS_OFFL_SIR_IOPM_2_20210630T130426_20210630T132907_C001 CS_OFFL_SIR_IOPM_2_20210630T140200_20210630T142803_C001 CS_OFFL_SIR_IOPM_2_20210630T140200_20210630T142803_C001 CS_OFFL_SIR_IOPM_2_20210630T140200_20210630T143856_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T143856_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C0
Backscatter Quality CS_OFFL_SIR_IOPM_2_20210630T130426_20210630T132907_C001 Backscatter Quality CS_OFFL_SIR_IOPM_2_20210630T130426_20210630T132907_C001 CS_OFFL_SIR_IOPM_2_20210630T140200_20210630T142803_C001 CS_OFFL_SIR_IOPM_2_20210630T140200_20210630T142803_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T143856_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T143856_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T144319_20210630T150826_C001
CS_OFFL_SIR_IOPM_2_20210630T130426_20210630T132907_C001 and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210630T140200_20210630T142803_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T143856_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T143856_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_IOPM_2_20210630T144319_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T144319_20210630T150826_C001 Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_IOPM_2_20210630T144319_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T144319_202
CS_OFFL_SIR_IOPM_2_20210630T140200_20210630T142803_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T143856_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T143856_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T143439_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T144319_20210630T150826_C001 CS_OFFL_SIR_IOPM_2_20210630T144319_20210630T150826_C001 Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_IOPM_2_20210630T144319_20210630T150826_C001 The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records.
Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T144319_20210630T150826_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T150956_20210630T151203_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been been been been been been been be
CS_OFFL_SIR_IOPM_2_20210630T151921_20210630T152002_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_20210630T153505_20210630T160641_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T161352_20210630T161936_C001 OCOG Altimeter Range Quality, OCOG for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T162224_20210630T162717_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T165835_20210630T165949_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_20210630T171252_20210630T174614_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Quality Set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T175258_20210630T175809_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T180157_20210630T181937_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T183745_20210630T183823_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T185024_20210630T192012_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range and Backscatter Quality Flags have been proportionally for the Company of the Company o
CS_OFFL_SIR_IOPM_2_20210630T192023_20210630T192456_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_20210630T193056_20210630T193258_C001 OCOG Altimeter Range Quality, OCOG for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T193305_20210630T193719_C001 OCOG Altimeter Range Quality, OCOG for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T194158_20210630T200645_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_IOPM_2_20210630T200815_20210630T201521_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_20210630T201521_20210630T201546_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.

CS_OFFL_SIR_IOPM_2_20210630T201821_20210630T201933_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_20210630T203437_20210630T204233_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_20210630T204713_20210630T204854_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_20210630T204929_20210630T205748_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_20210630T205851_20210630T210420_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_20210630T210637_20210630T211158_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_20210630T212309_20210630T213532_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_20210630T213717_20210630T214601_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_20210630T214728_20210630T215429_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_20210630T215819_20210630T215831_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_20210630T221703_20210630T222616_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_20210630T222836_20210630T223550_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_20210630T223709_20210630T224316_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_20210630T224603_20210630T225058_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_20210630T225134_20210630T225251_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_20210630T225936_20210630T230233_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_20210630T231700_20210630T232123_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_20210630T232127_20210630T232514_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_20210630T232644_20210630T232957_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_20210630T044245_20210630T044359_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_IOPN_2_20210630T171107_20210630T171252_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_20210630T183004_20210630T183015_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210630T233450_20210630T233754_C001	•	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210630T030511_20210630T030713_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210630T102550_20210630T102830_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_20210630T203345_20210630T203436_C001 and	•	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS OFFE SIR TOPR 2 202106301230233 202106301230517 C001	9	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Product	Coop Altimotor Pango, SSHA, SWH	Description
CS_OFFL_SIR_IOPN_2_20210630T002455_20210630T002857_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_20210630T011437_20210630T011715_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_20210630T012421_20210630T012621_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_20210630T021836_20210630T021853_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_IOPN_2_20210630T034046_20210630T034437_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_IOPN_2_20210630T035213_20210630T035242_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 beer set for one or more records.
CS_OFFL_SIR_IOPN_2_20210630T043334_20210630T043459_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_IOPN_2_20210630T052024_20210630T052334_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_IOPN_2_20210630T053428_20210630T053521_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_IOPN_2_20210630T055005_20210630T055109_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one more records.
CS_OFFL_SIR_IOPN_2_20210630T075841_20210630T080400_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_IOPN_2_20210630T084305_20210630T084400_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 beer set for one or more records.
CS_OFFL_SIR_IOPN_2_20210630T084936_20210630T085353_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_IOPN_2_20210630T093318_20210630T093553_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 beer set for one or more records.
CS_OFFL_SIR_IOPN_2_20210630T094253_20210630T094427_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_20210630T101136_20210630T101506_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_IOPN_2_20210630T103123_20210630T103353_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_20210630T105056_20210630T105536_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one more records.
CS_OFFL_SIR_IOPN_2_20210630T110820_20210630T111416_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_IOPN_2_20210630T112155_20210630T112339_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_20210630T114841_20210630T115046_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.

COURT - SIR IDPN 2 700100710462 700 (000712072) 200 (000712072072) 200 (000712072) 200 (0007120720) 200 (000712072) 200 (000712072) 200 (0007120720) 200 (0007120720) 200 (0007120720) 200 (00	CS_OFFL_SIR_IOPN_2_20210630T120754_20210630T121015_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. CEFE SIR IONN 9 2010807T14818 2011883T14018 COT COT SIR IONN 9 2010807T14818 2011883T14018 COT SIR IONN	CS_OFFL_SIR_IOPN_2_20210630T121042_20210630T121227_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS DPF SIR ICEN 2 20100001146016 CODE CODE	CS_OFFL_SIR_IOPN_2_20210630T121549_20210630T121712_C001		, ,
200 GAF: SIR JUPP. 2 7001809T-3376 227-093ET-44151 O27 2000 Affinisher Berge Quality PLRM. The COOG Berge and Budascatter Quality Flags have zero self to one of a control of the cook of the co	CS_OFFL_SIR_IOPN_2_20210630T133713_20210630T133835_C001		
OCCS Endoweren Quality Plant The DIOCS Manage and Resecrative Coarty Plags have aren are for one or rese secretary. CS. OFFL S.R. OPN 2.22210002T148265. 20210000T144165. CO11 OCCS Endoweren Quality PLANT OCCS Endoweren Ready PLANT OCCS Endo	CS_OFFL_SIR_IOPN_2_20210630T134736_20210630T135212_C001		
COCCE Backscaster Coality COCCE Backscaster	CS_OFFL_SIR_IOPN_2_20210630T135810_20210630T140018_C001	_	, ,
CS_OFF_SR_IOPN_2_20210800119385_20210807119395_COID CS_OFF_SR_IOPN_2_20210800119385_20210807119395_COID CS_OFF_SR_IOPN_2_20210800119385_20210807119393_COID CS_OFF_SR_IOPN_2_20210800119385_COID CCS_OFF_SR_IOPN_2_20210800119385_COID CC	CS_OFFL_SIR_IOPN_2_20210630T143015_20210630T143153_C001		
CS_OFFL_SIR_JOPN_2_20210501112697_20210501175810_20110501175825_C011 CS_OFFL_SIR_JOPN_2_20210501112697_2010501175810_2010501175810_C011 CS_OFFL_SIR_JOPN_2_20210501112697_2010501175810_C011 CS_OFFL_SIR_JOPN_2_20210501112697_2010501175810_C011 CS_OFFL_SIR_JOPN_2_20210501112697_2010501175810_C011 CS_OFFL_SIR_JOPN_2_20210501112697_2010501175810_C011 CS_OFFL_SIR_JOPN_2_20210501175810_20210501175810_C011 CS_OFFL_SIR_JOPN_2_20210501175810_20210501175810_C011 CS_OFFL_SIR_JOPN_2_202105011175810_20210501175810_C011 CS_OFFL_SIR_JOPN_2_202105011175810_20210501175810_C011 CS_OFFL_SIR_JOPN_2_202105011175810_20210501175810_C011 CS_OFFL_SIR_JOPN_2_202105011175810_20210501175810_C011 CS_OFFL_SIR_JOPN_2_202105011175810_20210501175810_C011 CS_OFFL_SIR_JOPN_2_2021050111697_20210501175810_C011 CS_OFFL_SIR_JOPN_2_2021050111697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_2021050111697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_2021050111697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_202105001175810_202105001175810_C011 CS_OFFL_SIR_JOPN_2_20210500111697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_20210500111697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_20210500111697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_202105001175810_C011 CS_OFFL_SIR_JOPN_2_20210500111697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_20210500111697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_20210500111697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_20210500111697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_20210500111697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_2021050011697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_20210500111697_202105001175810_C011 CS_OFFL_SIR_JOPN_2_20210500111697_202105001175800_C011 CS_OFFL_SIR_JOPN_2_2021050011697_202105001175800_C011 CS_OFFL_SIR_JOPN_2_2021050011697_202105001175800_C011 CS_OFFL_SIR_JOPN_2_2021050011697_202105001175800_C011 CS_OFFL_SIR_JOPN_2_2021050011697_202105001175800_C011 CS_OFFL_SIR_JOPN_2_2021050011697_202105001175800_C011 CC_OFFL_SIR_JOPN_2_2021050011697_202105001175800_C011 CC_OFFL_SIR_JOPN_2_2021050011697_2021050	CS_OFFL_SIR_IOPN_2_20210630T143856_20210630T144148_C001	OCOG Backscatter Quality	, , , ,
OCOG Backscater Quality CS_OFFL_SIR_JOPN_2_20210630T16928_20210830T1694001_C001 OCOG Altimeter Range Cuality PLRM. OCOG Range and Backscater Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPN_2_20210630T169748_20210830T169855_C001 CS_OFFL_SIR_JOPN_2_20210630T169748_20210830T169855_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170029_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170029_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170029_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170029_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170029_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170029_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170029_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170039_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170039_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170039_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170039_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170039_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170039_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170039_C001 CS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170039_C001 CCS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170039_C001 CCS_OFFL_SIR_JOPN_2_20210630T170012_20210830T170039_C001 CCS_OFFL_SIR_JOPN_2_20210630T170012_20210830T180056_C001 CCS_OFFL_SIR_JOPN_2_20210630T170007_20210830T180056_C001 CCS_OFFL_SIR_JOPN_2_20210630T170007_20210830T180056_C001 CCS_OFFL_SIR_JOPN_2_20210630T170007_20210830T180056_C001 CCS_OFFL_SIR_JOPN_2_20210630T170007_20210830T180056_C001 CCS_OFFL_SIR_JOPN_2_20210630T170007_20210830T180056_C001 CCS_OFFL_SIR_JOPN_2_20210630T170007_20210830T180056_C001 CCS_OFFL_SIR_JOPN_2_20210630T170007_20210830T180056_C001 CCS_OFFL_SIR_JOPN_2_20210630T170007_20210830T170056_C001 CCS_OFFL_SIR_JOPN_2_20210630T170007_20210050T170056_C001 CCS_OFFL_SIR_JOPN_2_20210630T170007_20210050T170056_C001 CCS_OFFL_SIR_JOPN_2_20210630T170007_20210050T170056_C001 CCS_OFFL_SIR_JOPN_2_20210630T170007_20210050T17005001100050000000000	CS_OFFL_SIR_IOPN_2_20210630T152857_20210630T153505_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_20210530T164827_20210630T165033_C001 CS_OFFL_SIR_IOPN_2_20210630T164827_20210630T165033_C001 CS_OFFL_SIR_IOPN_2_20210630T164827_20210630T165033_C001 CS_OFFL_SIR_IOPN_2_20210630T165746_20210830T165033_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170022_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170022_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170022_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170022_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170022_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170022_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170022_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170022_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170022_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170012_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170012_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_200100001718006_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_200000000000000000000000000000000	CS_OFFL_SIR_IOPN_2_20210630T161007_20210630T161352_C001		
CS OFFL SIR IOPN 2 20210630T164827 20210630T165036 C001 CS_OFFL_SIR_IOPN_2_20210630T167042_20210630T165036_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170029_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T192009_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T192009_C001 CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T192009_C001 CS_OFFL_SIR_IOPN_2_20210630T193019_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210630T215919_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210630T215919_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210630T215919_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210630T225900_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210630T225900_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210630T225900_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210630T225900_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210630T225900_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210630T225900_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210630T225900_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210630T225900_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210630T225900_C001 CS_OFFL_SIR_IOPN_2_20210630T215420_20210	CS_OFFL_SIR_IOPN_2_20210630T163628_20210630T164001_C001		
OCOG Backscater Quality CS OFFL SIR IOPN 2 202106307170012 202106307170029 C001 CS OFFL SIR IOPN 2 202106307170012 202106307170029 C001 CS OFFL SIR IOPN 2 202106307170012 202106307175257_C001 CS OFFL SIR IOPN 2 202106307174941_202106307175257_C001 CS OFFL SIR IOPN 2 202106307175910 202106307175933 C001 CS OFFL SIR IOPN 2 202106307176910 202106307175933 C001 CS OFFL SIR IOPN 2 202106307176910 202106307175933 C001 CS OFFL SIR IOPN 2 202106307176910 2021063071892247_C001 CS OFFL SIR IOPN 2 202106307193056 C001 CS OFFL SIR IOPN 2 20210630719307100071000007100007100007100007100007100007100007100007100000710000710000710000071000007100007100007100007100007100007100007100000710000071	CS_OFFL_SIR_IOPN_2_20210630T164827_20210630T165033_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, COC Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20210630T17931_20210630T179583_CO01 CS_OFFL_SIR_IOPN_2_20210630T175810_20210630T175933_CO01 CS_OFFL_SIR_IOPN_2_20210630T175810_20210630T175933_CO01 CS_OFFL_SIR_IOPN_2_20210630T175810_20210630T175933_CO01 CS_OFFL_SIR_IOPN_2_20210630T175810_20210630T175933_CO01 CS_OFFL_SIR_IOPN_2_20210630T175810_20210630T175933_CO01 CS_OFFL_SIR_IOPN_2_20210630T175810_20210630T175933_CO01 CS_OFFL_SIR_IOPN_2_20210630T18937_20210630T180247_CO01 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193056_CO01 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193056_CO01 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193056_CO01 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193056_CO01 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193056_CO01 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193056_CO01 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193056_CO01 CS_OFFL_SIR_IOPN_2_20210630T25429_20210630T125619_CO01 CS_OFFL_SIR_IOPN_2_20210630T25501_20210630T25505_CO01 CS_OFFL_SIR_IOPN_2_20210630T25501_20210630T225005_CO01 CS_OFFL_SIR_IOPN_2_20210630T25505_CO01 CS_OFFL_SIR_IOPN_2_20210630T25505_CO01 CCG_Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGG_Altimeter	CS_OFFL_SIR_IOPN_2_20210630T165746_20210630T165835_C001		, ,
CS_OFFL_SIR_IOPN_2_20210630T174941_20210630T175257_C001 and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20210630T175810_20210630T175933_C001 CS_OFFL_SIR_IOPN_2_20210630T181937_20210630T182247_C001 CS_OFFL_SIR_IOPN_2_20210630T192657_20210630T193056_C001 CS_OFFL_SIR_IOPN_2_20210630T192657_20210630T193056_C001 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193826_C001 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193826_C001 CS_OFFL_SIR_IOPN_2_20210630T215429_20210630T215819_C001 CS_OFFL_SIR_IOPN_2_20210630T215429_20210630T215819_C001 CS_OFFL_SIR_IOPN_2_20210630T215439_20210630T221503_C001 CS_OFFL_SIR_IOPN_2_20210630T215831_20210630T221703_C001 CS_OFFL_SIR_IOPN_2_20210630T221557_20210630T221703_C001 CS_OFFL_SIR_IOPN_2_20210630T221557_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225055_C001 CS_OFFL_SIR_IOPN_2_20210630T25505_C001 CS_OFFL_SIR_IOPN_2_20210630T25505_C001 CS_OFFL_SIR_IOPN_2_20210630T25505_C001 CS_OFFL_SIR_IOPN_2_20210630T25505_C001 CS_OFFL_SIR_IOPN_2_20210630T25505_C001 CS_OFFL_SIR_IOPN_2_20210630T25505_C001 CS_OFFL_SIR_IOPN_2_20210630T25505_C001 CS_OFFL_SIR_IOPN_2_20210630T25505_C001 CS_OFFL_S	CS_OFFL_SIR_IOPN_2_20210630T170012_20210630T170029_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_20210630T181937_20210630T182247_C001 CS_OFFL_SIR_IOPN_2_20210630T181937_20210630T193056_C001 CS_OFFL_SIR_IOPN_2_20210630T192657_20210630T193056_C001 CS_OFFL_SIR_IOPN_2_20210630T192657_20210630T193056_C001 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193826_C001 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193826_C001 CS_OFFL_SIR_IOPN_2_20210630T215429_20210630T215819_C001 CS_OFFL_SIR_IOPN_2_20210630T215831_20210630T225005_C001 CS_OFFL_SIR_IOPN_2_20210630T221257_20210630T222003_C001 CS_OFFL_SIR_IOPN_2_20210630T221257_20210630T221703_C001 CS_OFFL_SIR_IOPN_2_20210630T221257_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T231558_20210630T225905_C001 CC_OCG_Altimeter Range_Quality PLRM. CC_OCG_Altimeter Range_ADBackscatter Quality Flags have been set for one or more records. CC_OCG_Altimeter Range_ADBackscatter Quality Flags have been set for one or more records. CC_OCG_Altimeter Range_ADBackscatter Quality PLRM. CC_OCG_Altimeter Range_ADBackscatter Quality Flags have been set for one or more records. CC_OCG_Altimeter Range_ADBackscatter Quality PLRM. CC_OCG_Altimeter Range_ADBackscatte	CS_OFFL_SIR_IOPN_2_20210630T174941_20210630T175257_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_20210630T192657_20210630T193056_C001 CS_OFFL_SIR_IOPN_2_20210630T192657_20210630T193056_C001 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193826_C001 CS_OFFL_SIR_IOPN_2_20210630T215429_20210630T215819_C001 CS_OFFL_SIR_IOPN_2_20210630T215429_20210630T225819_C001 CS_OFFL_SIR_IOPN_2_20210630T215429_20210630T225805_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T25531_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T25551_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T25551_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T25551_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T231788_20210630T231700_C001 CCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20210630T25551_20210630T255905_C001 CCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOG Range and Backscatter Quality Flags have been set for one or more records. CCOG Range and Backscatter Quality Flags have been set for one or more records. CCOG Range and Backscatter Quality Flags have been set for one or more records. CCOG Range and Backscatter Quality Fl	CS_OFFL_SIR_IOPN_2_20210630T175810_20210630T175933_C001		
CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193826_C001 CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193826_C001 CS_OFFL_SIR_IOPN_2_20210630T215429_20210630T215819_C001 CS_OFFL_SIR_IOPN_2_20210630T215429_20210630T225819_C001 CS_OFFL_SIR_IOPN_2_20210630T215831_20210630T220003_C001 CS_OFFL_SIR_IOPN_2_20210630T215831_20210630T220003_C001 CS_OFFL_SIR_IOPN_2_20210630T215831_20210630T220003_C001 CS_OFFL_SIR_IOPN_2_20210630T221257_20210630T221703_C001 CS_OFFL_SIR_IOPN_2_20210630T221257_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T231708_C001 CCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCOG Range and Backscatter Quality Flags have been set for one or more records. CCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20210630T181937_20210630T182247_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPN_2_20210630T215429_20210630T215819_C001 CS_OFFL_SIR_IOPN_2_20210630T215831_20210630T225819_C001 CS_OFFL_SIR_IOPN_2_20210630T225831_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20210630T192657_20210630T193056_C001		
CS_OFFL_SIR_IOPN_2_20210630T215831_20210630T220003_C001 CS_OFFL_SIR_IOPN_2_20210630T2215831_20210630T220003_C001 CS_OFFL_SIR_IOPN_2_20210630T221257_20210630T221703_C001 CS_OFFL_SIR_IOPN_2_20210630T221257_20210630T221703_C001 CS_OFFL_SIR_IOPN_2_20210630T221257_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T231058_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T231058_20210630T231700_C001 OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20210630T193719_20210630T193826_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_20210630T221257_20210630T221703_C001 CS_OFFL_SIR_IOPN_2_20210630T221257_20210630T221703_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM 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. OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20210630T215429_20210630T215819_C001		
CS_OFFL_SIR_IOPN_2_20210630T221257_20210630T221703_C001 OCOG Backscatter Quality OCOG Backscatter Quality More records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20210630T231058_20210630T231700_C001 OCOG Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more or more records.	CS_OFFL_SIR_IOPN_2_20210630T215831_20210630T220003_C001		
CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20210630T221257_20210630T221703_C001	_	
US OFFI SIR TOPN / 202106301231058 202106301231700 C001	CS_OFFL_SIR_IOPN_2_20210630T225251_20210630T225905_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality more records.	CS_OFFL_SIR_IOPN_2_20210630T231058_20210630T231700_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_20210630T232957_20210630T233121_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20210630T232957_20210630T233121_C001		
CS_OFFL_SIR_IOPN_2_20210630T233342_20210630T233417_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20210630T233342_20210630T233417_C001		

CS_OFFL_SIR_IOPN_2_20210630T233450_20210630T233754_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_20210630T002137_20210630T002438_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_20210630T002857_20210630T003419_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_20210630T020720_20210630T021703_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_20210630T030511_20210630T030713_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_20210630T034437_20210630T035213_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_20210630T040255_20210630T040338_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_20210630T043135_20210630T043334_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_20210630T052334_20210630T053029_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_20210630T053540_20210630T053908_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_20210630T054204_20210630T054525_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_20210630T061011_20210630T061301_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_20210630T062242_20210630T062612_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_20210630T070214_20210630T070929_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_20210630T074902_20210630T075326_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_20210630T080400_20210630T080606_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_20210630T084212_20210630T084305_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_20210630T084401_20210630T084824_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_20210630T092703_20210630T093318_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_20210630T102150_20210630T102550_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_20210630T102550_20210630T102830_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_20210630T112339_20210630T112440_C001	TAITIMETER RANGE AND BACKSCATTER CHAITIVE	The Ocean Altimeter Range, SSHA, SWH 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_20210630T114452_20210630T114655_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_20210630T114658_20210630T114732_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_20210630T120147_20210630T120754_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_20210630T121315_20210630T121549_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_20210630T130255_20210630T130426_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_20210630T133909_20210630T134135_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_20210630T134318_20210630T134736_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_20210630T144148_20210630T144319_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_20210630T152002_20210630T152857_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_20210630T171027_20210630T171107_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_20210630T174614_20210630T174941_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_20210630T175933_20210630T180157_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_20210630T183151_20210630T183301_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_20210630T183823_20210630T184032_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_20210630T184123_20210630T185023_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_20210630T193826_20210630T194158_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_20210630T202050_20210630T202814_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_20210630T210420_20210630T210504_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_20210630T211609_20210630T212309_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_20210630T213532_20210630T213717_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_20210630T220003_20210630T220524_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_20210630T220550_20210630T220726_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_20210630T222634_20210630T222836_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_20210630T224316_20210630T224419_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_20210630T225905_20210630T225935_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_20210630T233121_20210630T233341_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_20210630T233854_20210630T234107_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_20210630T234107_20210630T234608_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_20210630T235938_20210701T000708_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	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.

154

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:

201

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: 65

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: 0

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

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_220210629T234155_20210630T003130_C002		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_220210630T003130_20210630T012109_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_220210630T012109_20210630T021044_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_220210630T021044_20210630T030024_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_220210630T030024_20210630T034959_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_220210630T034959_20210630T043939_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_220210630T043939_20210630T052914_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_220210630T052914_20210630T061853_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_220210630T061853_20210630T070828_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_220210630T070828_20210630T075808_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_220210630T075808_20210630T084743_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_220210630T084743_20210630T093723_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_220210630T093723_20210630T102658_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_220210630T102658_20210630T111637_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_220210630T111637_20210630T120612_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_220210630T120612_20210630T125552_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_220210630T125552_20210630T134527_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_220210630T134527_20210630T143507_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_220210630T152442_20210630T161421_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_220210630T161421_20210630T170357_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_220210630T170357_20210630T175336_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_220210630T175336_20210630T184311_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_220210630T184311_20210630T193251_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_220210630T193251_20210630T202226_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_220210630T202226_20210630T211205_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_220210630T211205_20210630T220140_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_220210630T220140_20210630T225120_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_220210630T225120_20210630T234055_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_220210630T234055_20210701T003035_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.

3

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220210630T021044_20210630T030024_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220210630T075808_20210630T084743_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220210630T161421_20210630T170357_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors: 29

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors: 29

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.

28

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

7. OP 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	174	174	4	170	0
SIR_IOPR1B	112	105	2	103	0
SIR_IOPN1B	105	112	0	112	0
SIR_IOPM_2	174	174	122	52	0
SIR_IOPR_2	112	105	42	63	0
SIR_IOPN_2	105	112	31	80	1
SIR IOP P2P	29	29	0	28	1

7.1 QCC Errors

Number of QCC reports with errors:

8

Total number of occurrences of each error

	Total Humber of Cocurrences of Cubit Cito										
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	•	-	-
SIR_IOPR_2	1	1	1	1							
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	•	-	-
SIR IOP 2	1	1	1	1							

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

2308

Total number of occurrences of each warning

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Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_IOPM1B	170	0	0	0	0	0	0
SIR_IOPM_2	0	0	44	43	1	40	0
SIR_IOPN1B	100	0	0	0	0	0	0
SIR_IOPN_2	0	0	9	38	3	24	28
SIR_IOPR1B	110	0	0	0	0	0	0
SIR_IOPR_2	0	1	47	50	0	43	37

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	36	35	0	0	0	0	27
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	22	0	0	29	0	36	0
SIR_IOPR1B	0	0	0	0	0	0	0
SIR IOPR 2	25	0	55	0	60	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	29	0	3	39
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	0	35	20	41	53	30	31
SIR_IOPR1B	0	0	0	0	0	0	0
SIR IOPR 2	51	0	2	65	43	17	44

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-	-
SIR_IOPM1B	0	0	0	0	0		
SIR_IOPM_2	0	5	0	0	0		
SIR_IOPN1B	0	0	0	48	1		
SIR_IOPN_2	32	12	4	0	0		
SIR_IOPR1B	0	0	0	112	7		
SIR_IOPR_2	53	1	4	0	0		

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
SIR_IOP_2_	16	29	29	3	29	18	28

	DF
SIR_IOP_2_ 18 29 24 20 29 18	

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-	-
SIR_IOP_2_	29	19	14	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	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70
NCDF		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:

0