

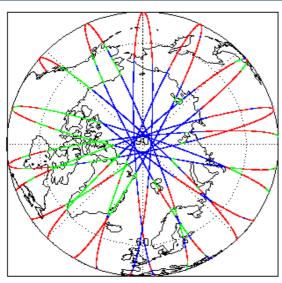
1. Overview

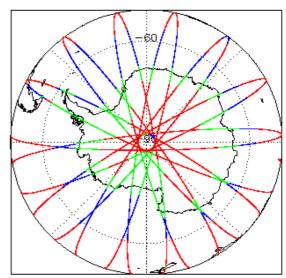
Report Production:	31-Oct-2022
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

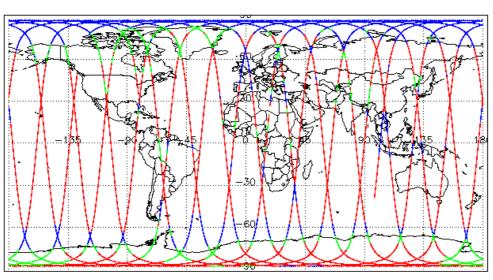
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

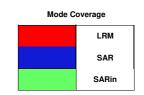
Mission / Instrument News		
27-Oct-2022	SIRAL Unavailability from 16:48:22 - 17:45:58 due to an orbit control manoeuvre	
28-Oct-2022	None	
29-Oct-2022	Nothing planned	

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 NetCDF product file (.nc).

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.

Number of products with errors:

0

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

18

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. The attitude correction is actually not missing. This will be resolved in the next SW update.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20221028T203218_20221028T204051_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20221028T225405_20221028T225556_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. The table provides the full list of products flagged.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20221028T093212_20221028T094352_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221028T101816_20221028T103432_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221028T220027_20221028T221006_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221028T231456_20221028T231710_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221028T000739_20221028T001246_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221028T033547_20221028T033623_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221028T083321_20221028T083712_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221028T115137_20221028T115352_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221028T180255_20221028T180436_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221028T191037_20221028T191454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221028T213708_20221028T214125_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221028T214233_20221028T214340_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221028T231710_20221028T232238_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221028T041414_20221028T041703_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221028T051409_20221028T051613_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221028T073202_20221028T073639_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221028T104616_20221028T105017_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221028T132301_20221028T132635_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 NetCDF product file (.nc).

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.

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20221028T000739_20221028T001246_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221028T010735_20221028T010949_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221028T014530_20221028T015109_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221028T032347_20221028T032805_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_20221028T041703_20221028T041828_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221028T050532_20221028T050728_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221028T055635_20221028T055800_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221028T060314_20221028T060616_C001	Mean Sea Surface (1), Mean 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_20221028T073639_20221028T073944_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221028T074216_20221028T074729_C001	Mean Sea Surface (1), Mean 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_20221028T083321_20221028T083712_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_20221028T091655_20221028T091929_C001	Mean Sea Surface (1), Mean 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_20221028T101207_20221028T101324_C001	Mean Sea Surface (1), Mean 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_20221028T101532_20221028T101816_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20221028T105154_20221028T105803_C001	Mean Sea Surface (1), Mean 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_20221028T115137_20221028T115352_C001	Mean Sea Surface (1), Mean 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_20221028T123416_20221028T123558_C001	Mean Sea Surface (1), Mean 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_20221028T133101_20221028T133546_C001	Mean Sea Surface (1), Mean 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_20221028T142234_20221028T142515_C001	Mean Sea Surface (1), Mean 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_20221028T155338_20221028T155728_C001	Mean Sea Surface (1), Mean 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_20221028T173319_20221028T173634_C001	Mean Sea Surface (1), Mean 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_20221028T174147_20221028T174304_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221028T192053_20221028T192207_C001	Mean Sea Surface (1), Mean 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_20221028T200008_20221028T200243_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_IOPN_2_20221028T200307_20221028T200430_C001	Mean Sea Surface (1), Mean 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_20221028T213708_20221028T214125_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20221028T214233_20221028T214340_C001	Mean Sea Surface (1), Mean 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_20221028T223630_20221028T223903_C001	Mean Sea Surface (1), Mean 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_20221028T231710_20221028T232238_C001	Mean Sea Surface (1), Mean 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_20221028T001246_20221028T001808_C001	Mean Sea Surface (1), Mean 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_20221028T015109_20221028T020040_C001	Mean Sea Surface (1), Mean 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_20221028T032806_20221028T033547_C001	Mean Sea Surface (1), Mean 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_20221028T050728_20221028T051409_C001	Mean Sea Surface (1), Mean 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_20221028T051409_20221028T051613_C001	Mean Sea Surface (1), Mean 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_20221028T064611_20221028T065309_C001	Mean Sea Surface (1), Mean 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_20221028T065309_20221028T065504_C001	Mean Sea Surface (1), Mean 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_20221028T082731_20221028T083205_C001	Mean Sea Surface (1), Mean 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_20221028T083205_20221028T083321_C001	Mean Sea Surface (1), Mean 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_20221028T094352_20221028T094520_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221028T100537_20221028T101041_C001	Mean Sea Surface (1), Mean 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_20221028T101041_20221028T101207_C001	Mean Sea Surface (1), Mean 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_20221028T114715_20221028T115137_C001	Mean Sea Surface (1), Mean 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_20221028T132246_20221028T132301_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221028T132301_20221028T132635_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221028T132653_20221028T133101_C001	Mean Sea Surface (1), Mean 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_20221028T150507_20221028T151140_C001	Mean Sea Surface (1), Mean 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_20221028T163350_20221028T163455_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221028T164457_20221028T165245_C001	Mean Sea Surface (1), Mean 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_20221028T182447_20221028T183325_C001	Mean Sea Surface (1), Mean 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_20221028T200430_20221028T201200_C001	Mean Sea Surface (1), Mean 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_20221028T214340_20221028T214902_C001	Mean Sea Surface (1), Mean 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_20221028T223903_20221028T224123_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221028T232238_20221028T232930_C001	Mean Sea Surface (1), Mean 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_20221028T234315_20221028T234945_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221028T203218_20221028T204051_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM_2_20221028T225405_20221028T225556_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221027T235820_20221028T000407_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_20221028T000529_20221028T000739_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_20221028T002720_20221028T002726_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_20221028T003428_20221028T005523_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_20221028T010044_20221028T010431_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_20221028T011158_20221028T013924_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_20221028T021122_20221028T023455_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_20221028T023827_20221028T024345_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_20221028T025114_20221028T032347_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_20221028T033705_20221028T033830_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_20221028T034640_20221028T040052_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_20221028T040104_20221028T040628_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_20221028T041018_20221028T041414_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_20221028T041828_20221028T042623_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_20221028T043204_20221028T050342_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_20221028T051613_20221028T051801_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_20221028T054413_20221028T055227_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_20221028T055801_20221028T060314_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_20221028T061030_20221028T063128_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_20221028T063414_20221028T064556_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_20221028T065504_20221028T065819_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_20221028T071414_20221028T072021_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_20221028T072209_20221028T073202_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

CONTRIBUTION OF A 202010001101010 20201001101010 CODE OFFILIBIT OPNI 2 20201001101010 2020100110010 CODE OFFILIBIT OPNI 2 20201001101010 2020100110020 CODE OFFILIBIT OPNI 2 202010011010102 2020100110020 CODE OFFILIBIT OPNI 2 202010011010102 2020100110020 CODE OFFILIBIT OPNI 2 20201001101020 2020100110020 CODE OFFILIBIT OPNI 2 2020100110020 2020100110020 CODE OFFILIBIT OPNI 2 20201001110020 20201001110000 CODE OFFILIBIT OPNI 2 20201001110000 20201001110000 CODE OFFILIBIT OPNI 2 20201001111000 20201001110000 CODE OFFILIBIT OPNI 2 20201001111000 20201001110000 CODE OFFILIBIT OPNI 2 20201001111000 20201001111000 CODE OFFILIBIT OPNI 2 20201001111000 C	CS_OFFL_SIR_IOPM_2_20221028T074942_20221028T081942_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
ord December Courty Court Court Court Plags and December Courty Flags have been not been control or court of court or more record. CIL CIFE. SIRL CIPM 2. 20091020709203. 20091021705034. CO01 CIL CIFE. SIRL CIPM 2. 20091020709212. 20021020709435. CO01 CIL CIFE. SIRL CIPM 2. 20091020709212. 20021020709435. CO01 CIL CIFE. SIRL CIPM 2. 20091020709212. 20021020709435. CO01 CIL CIFE. SIRL CIPM 2. 20091020709212. 200210207109435. CO01 CIL CIFE. SIRL CIPM 2. 20091020709212. 200210207109435. CO01 CIL CIFE. SIRL CIPM 3. 20091020709435. CO01 CIL CIFE. SIRL CIPM 3. 200910207109509. CO01 CIL CIFE. SIRL CIPM 3. 200910207109509. CO01 CIL CIFE. SIRL CIPM 3. 200910207109509. CO01 CIL CIFE. SIRL CIPM 3. 2009102071109509. 2009102071110950. CO01 CIL CIFE. SIRL CIPM 3. 2009102071109509. 2009102071110950. CO01 CIL CIFE. SIRL CIPM 3. 2009102071110950. CO01 CIL CIFE. SIRL CIPM 4. 200910207110950.	CS_OFFL_SIR_IOPM_2_20221028T081957_20221028T082318_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Secretary Column	CS_OFFL_SIR_IOPM_2_20221028T083726_20221028T090955_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Security Confusion Confusi	CS_OFFL_SIR_IOPM_2_20221028T091929_20221028T092124_C001		, ,
Seg. OFFL_SIR_COM_2_record contribution_county_CDG_Altered Farge_and Sile_Accuster County Flags have been addressed to the County Action of Sile_Accuster County Flags have been addressed to County Flags have be	CS_OFFL_SIR_IOPM_2_20221028T092323_20221028T092629_C001		
CS_OFFL_SRI_IOPM_2_20221028T104565_20221028T104565_COOI CS_OFFL_SRI_IOPM_2_20221028T104565_20221028T104565_COOI CS_OFFL_SRI_IOPM_2_20221028T104565_20221028T110456_COOI CS_OFFL_SRI_IOPM_2_20221028T104665_20221028T110465_COOI CS_OFFL_SRI_IOPM_2_20221028T104665_20221028T110465_COOI CS_OFFL_SRI_IOPM_2_20221028T104665_20221028T110465_COOI CS_OFFL_SRI_IOPM_2_20221028T100866_20221028T110465_COOI CS_OFFL_SRI_IOPM_2_20221028T100866_20221028T110466_COOI CS_OFFL_SRI_IOPM_2_20221028T100866_20221028T110466_COOI CS_OFFL_SRI_IOPM_2_20221028T100866_20221028T110466_COOI CS_OFFL_SRI_IOPM_2_20221028T100866_20221028T110466_COOI CS_OFFL_SRI_IOPM_2_20221028T100866_20221028T110466_COOI CS_OFFL_SRI_IOPM_2_20221028T100866_20221028T11060000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20221028T092856_20221028T093204_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OS_OFFL_SIR_IOPM_2_20221009T109455_20221009T10945_C001 OS_OFFL_SIR_IOPM_2_20221009T109455_20221009T10945_C001 OS_OFFL_SIR_IOPM_2_20221009T10945_C001 OS_OFFL_SIR_IOPM_2_20221009T10945_C0021095T10045_C001 OS_OFFL_SIR_IOPM_2_20221009T109565_20221009T10045_C001 OS_OFFL_SIR_IOPM_2_20221009T109565_20221009T10045_C001 OS_OFFL_SIR_IOPM_2_20221009T109565_20221009T10045_C001 OS_OFFL_SIR_IOPM_2_20221009T109565_20221009T10045_C001 OS_OFFL_SIR_IOPM_2_20221009T109565_20221009T10045_C001 OS_OFFL_SIR_IOPM_2_20221009T10958_20221009T10045_C001 OS_OFFL_SIR_IOPM_2_20221009T10958_20221009T10958_20221009T10958_C001 OS_OFFL_SIR_IOPM_2_20221009T10958_20221009T10958_C001 OS_OFFL_SIR_IOPM_2_20221009T10958_C001 OS_OFFL_SIR_IOPM_2_20221009T10958_2021009T10958_C001 OS_OFFL_SIR_IOPM_2_20221009T10958_20221009T10958_C001 OS_OFFL_SIR_IOPM_2_20221009T10958_C001 OS_OFFL_SIR_IOPM_2_20221009T10958_C	CS_OFFL_SIR_IOPM_2_20221028T093212_20221028T094351_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_OPM_2_20221028T101928_20221028T10042_C001 CS_OFFL_SIR_OPM_2_20221028T101029_20221028T10044_C001 CS_OFFL_SIR_OPM_2_20221028T1101029_20221028T10045_C001 CS_OFFL_SIR_OPM_2_20221028T1101029_20221028T10045_C001 CS_OFFL_SIR_OPM_2_20221028T1101029_20221028T10046_C001 CS_OFFL_SIR_OPM_2_20221028T1101029_20221028T10046_C001 CS_OFFL_SIR_OPM_2_20221028T110049_20221028T10040_C001 CS_OFFL_SIR_OPM_2_20221028T110049_20221028T10040_C001 CS_OFFL_SIR_OPM_2_20221028T110049_20221028T10040_C001 CS_OFFL_SIR_OPM_2_20221028T110049_20221028T10040_C001 CS_OFFL_SIR_OPM_2_20221028T10040_C001 CS_OFFL_SIR_OPM_2_20221028T10040_C002108T10000_C001 CS_OFFL_SIR_OPM_2_20221028T10040_C001 CS_OFFL_SIR_OPM_2_20221028T10040_C0	CS_OFFL_SIR_IOPM_2_20221028T094555_20221028T095631_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Cuality CS_OFFL_SIR_IOPM_2_20221028T110012_20221028T110398_0001 CS_OFFL_SIR_IOPM_2_20221028T110388_20221028T112218_0001 CS_OFFL_SIR_IOPM_2_20221028T110388_20221028T112218_0001 CS_OFFL_SIR_IOPM_2_20221028T112388_20221028T112218_0001 CS_OFFL_SIR_IOPM_2_20221028T112388_20221028T112218_0001 CS_OFFL_SIR_IOPM_2_20221028T112388_20221028T112218_0001 CS_OFFL_SIR_IOPM_2_20221028T112388_20221028T112218_0001 CS_OFFL_SIR_IOPM_2_20221028T112388_20221028T112218_0001 CS_OFFL_SIR_IOPM_2_20221028T112388_20221028T112218_0001 CS_OFFL_SIR_IOPM_2_20221028T112388_20221028T112218_0001 CS_OFFL_SIR_IOPM_2_20221028T112388_20221028T112218_0001 CS_OFFL_SIR_IOPM_2_20221028T112049_20221028T12059_0001 CS_OFFL_SIR_IOPM_2_20221028T112049_20221028T12059_0001 CS_OFFL_SIR_IOPM_2_20221028T12049_20221028T12059_0001 CS_OFFL_SIR_IOPM_2_20221028T12059_20221028T12059_0001 CS_OFFL_SIR_IOPM_2_20221028T12059_20221028T12059_0001 CS_OFFL_SIR_IOPM_2_20221028T12059_20221028T12059_0001 CS_OFFL_SIR_IOPM_2_20221028T12059_20221028T12059_0001 CS_OFFL_SIR_IOPM_2_20221028T121049_20221028T12059_0001 CS_OFFL_SIR_IOPM_2_20221028T121049_0001 CS_OFFL_S	CS_OFFL_SIR_IOPM_2_20221028T101816_20221028T103432_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Description Coulty CS OFFL SIR JOPM 2 20221028T11098 20221028T11264 COUI CS OFFL SIR JOPM 2 20221028T11298 20221028T11265 COUI CS OFFL SIR JOPM 2 20221028T11298 20221028T11465 COUI CS OFFL SIR JOPM 2 20221028T11298 20221028T11465 COUI CS OFFL SIR JOPM 2 20221028T11298 20221028T11465 COUI CS OFFL SIR JOPM 2 20221028T11298 20221028T11264 COUI CS OFFL SIR JOPM 2 20221028T11298 20221028T11465 COUI CS OFFL SIR JOPM 2 20221028T11298 20221028T11298 COUI CS OFFL SIR JOPM 2 20221028T11298 20221028T1165 COUI CS OFFL SIR JOPM 2 20221028T11298 20221028T11298 COUI CS OFFL SIR JOPM 2 20221028T12092 20221028T12059 COUI CS OFFL SIR JOPM 2 20221028T12092 20221028T12156 COUI CS OFFL SIR JOPM 2 20221028T12438 COUI CS OFFL SIR JOPM 2 20221028T13433 20221028T13150 COUI CS OFFL SIR JOPM 2 20221028T13433 20221028T13150 COUI CS OFFL SIR JOPM 2 20221028T13433 20221028T14294 COUI CS OFFL SIR JOPM 2 20221028T14184 20221028T14129 COUI CS OFFL SIR JOPM 2 20221028T14184 20221028T141429 COUI COUR Allimeter Range and Backscatter Coulity Flags have been set f	CS_OFFL_SIR_IOPM_2_20221028T105803_20221028T110045_C001		
and the COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221028T112958_20221028T112941_C001 CS_OFFL_SIR_JOPM_2_20221028T114031_20221028T114586_C001 CS_OFFL_SIR_JOPM_2_20221028T114031_20221028T114586_C001 CS_OFFL_SIR_JOPM_2_20221028T114031_20221028T114586_C001 CS_OFFL_SIR_JOPM_2_20221028T115709_20221028T115986_C001 CS_OFFL_SIR_JOPM_2_20221028T120049_20221028T115986_C001 CS_OFFL_SIR_JOPM_2_20221028T120049_20221028T115986_C001 CS_OFFL_SIR_JOPM_2_20221028T120049_20221028T115986_C001 CS_OFFL_SIR_JOPM_2_20221028T120049_20221028T115986_C001 CS_OFFL_SIR_JOPM_2_20221028T120049_20221028T120099_C001 CS_OFFL_SIR_JOPM_2_20221028T120049_20221028T120099_C001 CS_OFFL_SIR_JOPM_2_20221028T120049_20221028T120099_C001 CS_OFFL_SIR_JOPM_2_20221028T120029_20221028T1221156_C001 CS_OFFL_SIR_JOPM_2_20221028T120029_20221028T1221156_C001 CS_OFFL_SIR_JOPM_2_20221028T12002_20221028T1221156_C001 CS_OFFL_SIR_JOPM_2_20221028T12002_20221028T1221156_C001 CS_OFFL_SIR_JOPM_2_20221028T12002_20221028T1221156_C001 CS_OFFL_SIR_JOPM_2_20221028T12002_20221028T1221156_C001 CS_OFFL_SIR_JOPM_2_20221028T12002_20221028T1221156_C001 CS_OFFL_SIR_JOPM_2_20221028T12002_20221028T1221156_C001 CS_OFFL_SIR_JOPM_2_20221028T124825_20221028T124498_C001 CS_OFFL_SIR_JOPM_2_20221028T124825_20221028T124198_C001 CS_OFFL_SIR_JOPM_2_20221028T124825_20221028T124198_C001 CS_OFFL_SIR_JOPM_2_20221028T13433_20221028T131516_C001 CS_OFFL_SIR_JOPM_2_20221028T13433_20221028T131516_C001 CS_OFFL_SIR_JOPM_2_20221028T13433_20221028T14128_C001 CS_OFFL_SIR_JOPM_2_20221028T141844_20221028T14515_C001 CS_OFFL_SIR_JOPM_2_20221028T14285_20221028T14515_C001 CS_OFFL_SIR_JOPM_2_20221028T14516_20221028T14515_C001 CS_OFFL_SIR_JOPM_2_20221028T14516_20221028T14515_C001 CS_OFFL_SIR_JOPM_2_20221028T14516_20221028T14515_C001 CS_OFFL_SIR_JOPM_2_20221028T14516_20221028T14515_C001 CS_OFFL_SIR_JOPM_2_20221028T14516_20221028T14515_C001 CS_OFFL_SIR_JOPM_2_20221028T14516_20221028T14515_C001 CS_OFFL_SIR_JOPM_2_20221028	CS_OFFL_SIR_IOPM_2_20221028T110102_20221028T110530_C001		
and Backscatter Quality, OCOA Altmeter Range and Backscatter Quality Flags have been set for one or necords CS_OFFL_SIR_IOPM_2_20221028T114031_20221028T114526_C001 CS_OFFL_SIR_IOPM_2_20221028T114031_20221028T114526_C001 CS_OFFL_SIR_IOPM_2_20221028T115709_20221028T119266_C001 CS_OFFL_SIR_IOPM_2_20221028T1190049_20221028T119269_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120699_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120699_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120699_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T121156_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T121156_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T121156_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120049 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120049 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120049 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120049 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120049 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120049 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120049 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120439_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120049 CS_OFFL_SIR_IOPM_2_20221028T1208T0_2004108T1200_C001 Allimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T1208T0_C001 CS_OFFL_SIR_IOPM_2_20221028T1208T0_C001 CS_OFFL_SIR_IOPM_2_20221028T1208T0_C001 CS_OFFL_SIR_IOPM_2_20221028T1208T0_C001 CS_OFFL_SIR_IOPM_2_20221028T131303_20221028T131516_C001 CS_OFFL_SIR_IOPM_2_20221028T1314049_20221028T141128_C001 CS_OFFL_SIR_IOPM_2_20221028T1314049_20221028T142040_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T142040_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T142040_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T14204_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_	CS_OFFL_SIR_IOPM_2_20221028T110838_20221028T112218_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221028T115709_20221028T115926_C001 CS_OFFL_SIR_IOPM_2_20221028T115709_20221028T115926_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120639_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120639_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120639_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T12156_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T12156_C001 CS_OFFL_SIR_IOPM_2_20221028T12022_20221028T12156_C001 CS_OFFL_SIR_IOPM_2_20221028T121202_20221028T12311_C001 CS_OFFL_SIR_IOPM_2_20221028T121202_20221028T12311_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T1311202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T13433_20221028T131516_C001 CS_OFFL_SIR_IOPM_2_20221028T134484_20221028T131516_C001 CS_OFFL_SIR_IOPM_2_20221028T134484_20221028T142234_C001 CS_OFFL_SIR_IOPM_2_20221028T14484_20221028T142234_C001 CS_OFFL_SIR_IOPM_2_20221028T14184_20221028T14234_C001 CS_OFFL_SIR_IOPM_2_20221028T14184_20221028T14234_C001 CS_OFFL_SIR_IOPM_2_20221028T14184_20221028T14254_C001 CS_OFFL_SIR_IOPM_2_20221028T14184_20221028T14254_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145650_C001 CCCCA Altimeter Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCCA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCCCA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCCCA Altimeter Range and Backscatter Quality	CS_OFFL_SIR_IOPM_2_20221028T112358_20221028T112641_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T121156_C001 CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T121156_C001 CS_OFFL_SIR_IOPM_2_20221028T121202_20221028T121156_C001 CS_OFFL_SIR_IOPM_2_20221028T121202_20221028T121156_C001 CS_OFFL_SIR_IOPM_2_20221028T121202_20221028T121202_20221028T1212001 CS_OFFL_SIR_IOPM_2_20221028T121202_20221028T123211_C001 CS_OFFL_SIR_IOPM_2_20221028T123558_20221028T124438_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T13433_20221028T131518_C001 CS_OFFL_SIR_IOPM_2_20221028T13433_20221028T131518_C001 CS_OFFL_SIR_IOPM_2_20221028T13433_20221028T131518_C001 CS_OFFL_SIR_IOPM_2_20221028T13433_20221028T14128_C001 CS_OFFL_SIR_IOPM_2_20221028T13453_20221028T14128_C001 CS_OFFL_SIR_IOPM_2_20221028T13453_20221028T14128_C001 CS_OFFL_SIR_IOPM_2_20221028T13453_20221028T14128_C001 CS_OFFL_SIR_IOPM_2_20221028T13455_20221028T14128_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T14128_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T14155_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T14155_C001 CS_OFFL_SIR_IOPM_2_20221028T141745_20221028T14555_C001 CS_OFFL_SIR_IOPM_2_20221028T141745_20221028T14555_C001 CS_OFFL_SIR_IOPM_2_20221028T141745_20221028T14555_C001 CS_OFFL_SIR_IOPM_2_20221028T141745_20221028T14555_C001 CS_OFFL_SIR_IOPM_2_20221028T141745_20221028T14555_C001 CS_OFFL_SIR_IOPM_2_20221028T14553_20221028T14555_C001 CS_OFFL_SIR_IOPM_2_20221028T14553_20221028T14555_C001 CS_OFFL_SIR_IOPM_2_20221028T14553_20221028T14555_C001 CS_OFFL_SIR_IOPM_2_20221028T14553_20221028T14555_C001 CS_OFFL_SIR_IOPM_2_20221028T14553_20221028T14555_C001 CS_OFFL_SIR_IOPM_2_20221028T14553_20221028T14555_C001 COGA Altimeter Range Ouality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T14555_20221028T14555_C001 COGA Altimeter Range Ouality, CCOG Altimeter Range and Backscatter Q	CS_OFFL_SIR_IOPM_2_20221028T114031_20221028T114526_C001	0 ,,	
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221028T120923_20221028T121156_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T13433_20221028T131516_C001 CS_OFFL_SIR_IOPM_2_20221028T134707_20221028T131516_C001 CS_OFFL_SIR_IOPM_2_20221028T134707_20221028T141284_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T141284_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T141284_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145589_C001 CS_OFFL_S	CS_OFFL_SIR_IOPM_2_20221028T115709_20221028T115926_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221028T121202_20221028T123211_C001 CS_OFFL_SIR_IOPM_2_20221028T121202_20221028T123211_C001 CS_OFFL_SIR_IOPM_2_20221028T121202_20221028T123211_C001 CS_OFFL_SIR_IOPM_2_20221028T12438_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T13202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T13433_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T13433_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T13433_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T13433_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T13433_20221028T131516_C001 CS_OFFL_SIR_IOPM_2_20221028T13433_20221028T131516_C001 CS_OFFL_SIR_IOPM_2_20221028T134707_20221028T141128_C001 CS_OFFL_SIR_IOPM_2_20221028T134707_20221028T14128_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T14559_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T14559_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T14559_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145659_C001 COGG Altimeter Range Quality, COGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145659_C001 COGG Altimeter Range Quality, COGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145659_C001 COGG Altimeter Range Quality, COGG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145659_C001 COGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145659_C001 COGG Altim	CS_OFFL_SIR_IOPM_2_20221028T120049_20221028T120639_C001		
CS_OFFL_SIR_IOPM_2_20221028T121202_20221028T123211_C001 and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T1243558_20221028T124438_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 CS_OFFL_SIR_IOPM_2_20221028T131433_20221028T131516_C001 CS_OFFL_SIR_IOPM_2_20221028T131433_20221028T131516_C001 CS_OFFL_SIR_IOPM_2_20221028T1314707_20221028T131516_C001 CS_OFFL_SIR_IOPM_2_20221028T134707_20221028T141128_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T14128_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T14128_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T14234_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 CS_OFFL_SIR_IOPM_2_20221028T15037_20221028T150507_C001 Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_	CS_OFFL_SIR_IOPM_2_20221028T120923_20221028T121156_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Cs_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 Cs_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001 Cs_OFFL_SIR_IOPM_2_20221028T131433_20221028T131516_C001 Cs_OFFL_SIR_IOPM_2_20221028T131433_20221028T131516_C001 Cs_OFFL_SIR_IOPM_2_20221028T1314707_20221028T141128_C001 Cs_OFFL_SIR_IOPM_2_20221028T134707_20221028T141128_C001 Cs_OFFL_SIR_IOPM_2_20221028T134707_20221028T141128_C001 Cs_OFFL_SIR_IOPM_2_20221028T141814_20221028T142234_C001 Cs_OFFL_SIR_IOPM_2_20221028T141814_20221028T142234_C001 Cs_OFFL_SIR_IOPM_2_20221028T141814_20221028T142234_C001 Cs_OFFL_SIR_IOPM_2_20221028T142745_20221028T145151_C001 Cs_OFFL_SIR_IOPM_2_20221028T142745_20221028T145151_C001 Cs_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 Cs_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 Cs_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 Cs_OFFL_SIR_IOPM_2_20221028T145037_20221028T1450507_C001 Cs_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001 Coean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 Coean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 Coean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Coean Altimeter Range Roulity, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Coean Altimeter Range Roulity, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Coean Altimeter Range Roulity, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Coean Altimeter Range Roulity, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20221028T121202_20221028T123211_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T131433_20221028T131516_C001 CS_OFFL_SIR_IOPM_2_20221028T131433_20221028T141128_C001 CS_OFFL_SIR_IOPM_2_20221028T134707_20221028T141128_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T141128_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T141234_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T1415151_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T142745_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T142745_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T1450507_C001 And Backscatter Quality and Backscatter Quality and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 CCGA Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CCGA Altimeter Range Quality, OCOG Backscatter Quality, OC	CS_OFFL_SIR_IOPM_2_20221028T123558_20221028T124438_C001		
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221028T134707_20221028T141128_C001 CS_OFFL_SIR_IOPM_2_20221028T144707_20221028T141128_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T142234_C001 CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T142234_C001 CS_OFFL_SIR_IOPM_2_20221028T142745_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T142745_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T142745_20221028T145859_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145007_C001 CS_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001 CS_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001 CS_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001 CS_OFFL_SIR_IOPM_2_20221028T150507_C001 CS_OFFL_SIR_IOPM_2_20221028T1	CS_OFFL_SIR_IOPM_2_20221028T124825_20221028T131202_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221028T141707_20221028T141128_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T142234_C001 CS_OFFL_SIR_IOPM_2_20221028T142745_20221028T1425151_C001 CS_OFFL_SIR_IOPM_2_20221028T142745_20221028T145151_C001 CS_OFFL_SIR_IOPM_2_20221028T142745_20221028T145859_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 And Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 CS_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001 And Backscatter Quality, OCOG Backscatt	CS_OFFL_SIR_IOPM_2_20221028T131433_20221028T131516_C001		
Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 OCEAN Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records OCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records OCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG	CS_OFFL_SIR_IOPM_2_20221028T134707_20221028T141128_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221028T142745_20221028T145151_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001 CS_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001 And Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality CS_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001 CS_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001 And Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG CS_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001 CS_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001 CS_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001	CS_OFFL_SIR_IOPM_2_20221028T141814_20221028T142234_C001		
Backscatter Quality for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221028T142745_20221028T145151_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221028T145631_20221028T145859_C001		
	CS_OFFL_SIR_IOPM_2_20221028T150237_20221028T150507_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20221028T151919_20221028T154909_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_20221028T155728_20221028T160314_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_20221028T160646_20221028T161058_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_20221028T161451_20221028T162142_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_20221028T163256_20221028T163350_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_20221028T164222_20221028T164414_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_20221028T165608_20221028T172905_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_20221028T173634_20221028T174146_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_20221028T174720_20221028T180255_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_20221028T181906_20221028T182000_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_20221028T182121_20221028T182308_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_20221028T183325_20221028T184443_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_20221028T184729_20221028T190322_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_20221028T190327_20221028T190831_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_20221028T191454_20221028T191635_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_20221028T191642_20221028T192053_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_20221028T192621_20221028T194506_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_20221028T194543_20221028T195020_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_20221028T195110_20221028T195821_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_20221028T195821_20221028T195956_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_20221028T201234_20221028T201239_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_20221028T201624_20221028T203055_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_20221028T203218_20221028T204051_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_20221028T204053_20221028T204745_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_20221028T205010_20221028T205534_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_20221028T205553_20221028T205813_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_20221028T210641_20221028T211908_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_20221028T212013_20221028T213708_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_20221028T220027_20221028T221006_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_20221028T221209_20221028T222632_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_20221028T222938_20221028T223433_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_20221028T224324_20221028T225359_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_20221028T230037_20221028T231333_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_20221028T235131_20221029T000517_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_20221028T002350_20221028T002353_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T023658_20221028T023827_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T042624_20221028T042736_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_20221028T052513_20221028T052524_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T052630_20221028T052741_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_20221028T073639_20221028T073944_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T082715_20221028T082731_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_20221028T103858_20221028T103912_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T173319_20221028T173634_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T191037_20221028T191454_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221028T033623_20221028T033705_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_20221028T100537_20221028T101041_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_20221028T181208_20221028T181404_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221028T195020_20221028T195110_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

Number of products with errors:

93

Product	Test Failed	Description
CS OFFI SID IODNI 2 20221029T000720 20221029T001246 C001	Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_IOPN_2_20221028T002845_20221028T003244_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for comore records
CS_OFFL_SIR_IOPN_2_20221028T005731_20221028T010044_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 F and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T014530_20221028T015109_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 F and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T020235_20221028T020238_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for omore records
CS_OFFL_SIR_IOPN_2_20221028T021031_20221028T021122_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_IOPN_2_20221028T023658_20221028T023827_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_IOPN_2_20221028T024719_20221028T024842_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 F and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T032347_20221028T032805_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_IOPN_2_20221028T050532_20221028T050728_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_IOPN_2_20221028T051801_20221028T051838_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_IOPN_2_20221028T051945_20221028T052108_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_IOPN_2_20221028T053342_20221028T053526_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_IOPN_2_20221028T060314_20221028T060616_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 F and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T073639_20221028T073944_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 F and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T083321_20221028T083712_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 F and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T092629_20221028T092753_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 F and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T095631_20221028T095913_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_IOPN_2_20221028T101532_20221028T101816_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 F and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T114655_20221028T114715_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_IOPN_2_20221028T115137_20221028T115352_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 F and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T120800_20221028T120922_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_IOPN_2_20221028T124439_20221028T124624_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 Fand the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T133101_20221028T133546_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_IOPN_2_20221028T133636_20221028T133758_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for more records
CS_OFFL_SIR_IOPN_2_20221028T141354_20221028T141527_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 F and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T160315_20221028T160435_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 F and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records

CS_OFFL_SIR_IOPN_2_20221028T162834_20221028T162940_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for on more records
CS_OFFL_SIR_IOPN_2_20221028T163920_20221028T164043_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for on more records
CS_OFFL_SIR_IOPN_2_20221028T164142_20221028T164222_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 Fla and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T165245_20221028T165358_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for or more records
CS_OFFL_SIR_IOPN_2_20221028T173319_20221028T173634_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 Fla and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T174147_20221028T174304_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for ormore records
CS_OFFL_SIR_IOPN_2_20221028T180255_20221028T180436_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for or more records
CS_OFFL_SIR_IOPN_2_20221028T182421_20221028T182447_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 Fla and the OCOG Altimeter Range and Backscatter Quality Flags have best for one or more records
CS_OFFL_SIR_IOPN_2_20221028T191037_20221028T191454_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for o more records
CS_OFFL_SIR_IOPN_2_20221028T200008_20221028T200243_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for o more records
CS_OFFL_SIR_IOPN_2_20221028T200307_20221028T200430_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for o more records
CS_OFFL_SIR_IOPN_2_20221028T213708_20221028T214125_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 Fl and the OCOG Altimeter Range and Backscatter Quality Flags have t set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T214902_20221028T214935_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for omore records
CS_OFFL_SIR_IOPN_2_20221028T223630_20221028T223903_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 Fl and the OCOG Altimeter Range and Backscatter Quality Flags have I set for one or more records
CS_OFFL_SIR_IOPN_2_20221028T225556_20221028T230037_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for comore records
CS_OFFL_SIR_IOPN_2_20221028T231710_20221028T232238_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for comore records
CS_OFFL_SIR_IOPR_2_20221028T001246_20221028T001808_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 Fland the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records
CS_OFFL_SIR_IOPR_2_20221028T001822_20221028T001925_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for c more records
CS_OFFL_SIR_IOPR_2_20221028T003326_20221028T003428_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for omore records
CS_OFFL_SIR_IOPR_2_20221028T005523_20221028T005731_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 FI and the OCOG Altimeter Range and Backscatter Quality Flags have t set for one or more records
CS_OFFL_SIR_IOPR_2_20221028T015109_20221028T020040_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for comore records
CS_OFFL_SIR_IOPR_2_20221028T024842_20221028T025114_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 FI and the OCOG Altimeter Range and Backscatter Quality Flags have to set for one or more records
CS_OFFL_SIR_IOPR_2_20221028T032806_20221028T033547_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 Fl and the OCOG Altimeter Range and Backscatter Quality Flags have t set for one or more records
CS_OFFL_SIR_IOPR_2_20221028T033919_20221028T034030_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for omore records
CS_OFFL_SIR_IOPR_2_20221028T041414_20221028T041703_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 FI and the OCOG Altimeter Range and Backscatter Quality Flags have the set for one or more records
CS_OFFL_SIR_IOPR_2_20221028T042736_20221028T043204_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 Fl and the OCOG Altimeter Range and Backscatter Quality Flags have to set for one or more records

CS_OFFL_SIR_IOPR_2_20221028T050728_20221028T051409_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_20221028T051853_20221028T051945_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_20221028T052108_20221028T052230_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_20221028T054133_20221028T054413_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_20221028T060616_20221028T061030_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_20221028T064611_20221028T065309_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_20221028T065309_20221028T065504_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_20221028T065820_20221028T070503_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_20221028T073202_20221028T073639_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_20221028T074729_20221028T074942_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_20221028T082558_20221028T082715_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_20221028T090955_20221028T091655_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_20221028T100537_20221028T101041_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_20221028T104616_20221028T105017_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_20221028T112917_20221028T113108_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_20221028T114527_20221028T114655_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_20221028T114715_20221028T115137_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_20221028T132301_20221028T132635_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_20221028T132653_20221028T133101_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_20221028T141128_20221028T141354_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_20221028T145557_20221028T145631_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_20221028T150131_20221028T150237_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_20221028T150507_20221028T151140_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_20221028T154909_20221028T155338_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_20221028T160435_20221028T160646_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_20221028T163012_20221028T163256_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_20221028T164043_20221028T164132_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_20221028T164457_20221028T165245_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_20221028T172906_20221028T173319_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_20221028T174304_20221028T174720_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_20221028T182447_20221028T183325_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_20221028T192207_20221028T192621_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_20221028T200430_20221028T201200_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_20221028T205959_20221028T210641_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_20221028T211909_20221028T212013_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_20221028T222632_20221028T222755_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_20221028T223903_20221028T224123_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_20221028T232238_20221028T232930_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_20221028T233400_20221028T233452_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_20221028T234315_20221028T234945_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 & 1 Hz PLRM)

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

> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected. The number of products with this error flag set is given below.

Number of products with errors:

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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:

L2 Retracking Flags (20 Hz 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. The number of products with this error flag set is given below.

Number of products with errors: 14

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

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 check.

- > 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_220221027T232524_20221028T001503_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)
CS_OFFL_SIR_IOP_2_20221028T001503_20221028T010439_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T010439_20221028T015418_C001	Mean Sea Surface (1), Mean 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_220221028T015418_20221028T024354_C001	Mean Sea Surface (1), Mean 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_220221028T024354_20221028T0333333_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20221028T033333_20221028T042309_C001	Mean Sea Surface (1), Mean 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_220221028T042309_20221028T051248_C001	Mean Sea Surface (1), Mean 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_220221028T051248_20221028T060223_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T060223_20221028T065202_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T065202_20221028T074138_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T074138_20221028T083117_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T083117_20221028T092053_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20221028T092053_20221028T101032_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T101032_20221028T110007_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_220221028T110007_20221028T114946_C001	Mean Sea Surface (1), Mean 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_220221028T114946_20221028T123922_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T123922_20221028T132901_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T132901_20221028T141837_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T141837_20221028T150816_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T150816_20221028T155752_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T155752_20221028T164731_C001	Mean Sea Surface (1), Mean 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_220221028T164731_20221028T173706_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20221028T173706_20221028T182645_C001	Mean Sea Surface (1), Mean 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_220221028T182645_20221028T191621_C001	Mean Sea Surface (1), Mean 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_220221028T191621_20221028T200600_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20221028T200600_20221028T205536_C001	Mean Sea Surface (1), Mean 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_220221028T205536_20221028T214515_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records

CS_OFFL_SIR_IOP_2_20221028T214515_20221028T223450_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T223450_20221028T232429_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221028T232429_20221029T001405_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

 Product
 Test Failed
 Description

 CS_OFFL_SIR_IOP_2_20221028T200600_20221028T205536_C001
 Power scaling error
 There is an error in the scaling of the L1B waveform for one or more records

 CS_OFFL_SIR_IOP_2_20221028T223450_20221028T232429_C001
 Power scaling error
 There is an error in the scaling of the L1B waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20 Hz)

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. The number of P2P products affected is given below

Number of products with errors: 30

P2P Quality Flags (20 Hz 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. The number of P2P products affected is given below.

Number of products with errors:

P2P Quality Flags (1 Hz & 1 Hz PLRM)

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the number of L2 products affected. The number of P2P products affected is given below

Number of products with errors: 30

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

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

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

Number of products with errors: 27

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.