

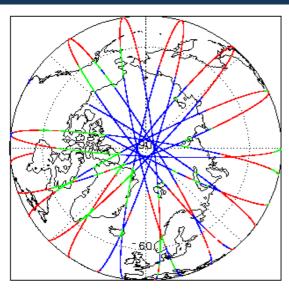
1. Overview

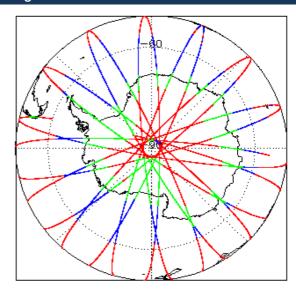
Report Production:	16-Nov-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	

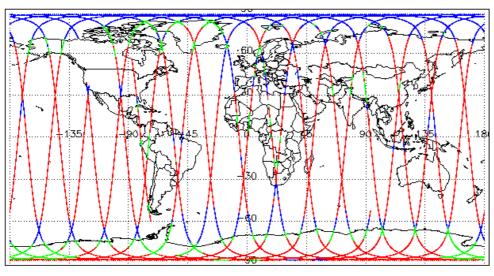
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
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

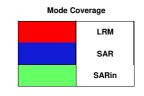
Mission / Instru	ment News
01-Nov-2022	None
02-Nov-2022	None
03-Nov-2022	Nothing planned

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:

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:

n

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for IOPR products due to a configuration issue. The attitude correction is actually not missing. This will be resolved in the next SW undate.

Number of products with errors:

0

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:

17

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20221102T101349_20221102T102757_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221102T110329_20221102T111735_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221102T112414_20221102T113734_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221102T124119_20221102T124903_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221102T185128_20221102T185600_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221102T220614_20221102T222216_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221102T001154_20221102T001519_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221102T095753_20221102T100404_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221102T123622_20221102T124119_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221102T190712_20221102T191011_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221102T204811_20221102T204911_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221102T222611_20221102T222826_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221102T232947_20221102T233133_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221102T063719_20221102T064147_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221102T081536_20221102T082235_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221102T153935_20221102T154133_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221102T171913_20221102T172019_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:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221102T110329_20221102T111735_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_IOPM_2_20221102T122307_20221102T122913_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPM_2_20221102T124119_20221102T124903_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20221102T001154_20221102T001519_C001	Mean Sea Surface (1), Mean 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_20221102T005318_20221102T005709_C001	Mean Sea Surface (1), Mean 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_20221102T015301_20221102T015425_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_20221102T041002_20221102T041124_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_20221102T050209_20221102T050334_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_20221102T050858_20221102T051210_C001	Mean Sea Surface (1), Mean 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_20221102T064147_20221102T064301_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_20221102T064758_20221102T065121_C001	Mean Sea Surface (1), Mean 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_20221102T082235_20221102T082511_C001	Mean Sea Surface (1), Mean 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_20221102T082704_20221102T083330_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_20221102T091748_20221102T091909_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20221102T095753_20221102T100404_C001	Mean Sea Surface (1), Mean 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_20221102T105709_20221102T105812_C001	Mean Sea Surface (1), Mean 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_20221102T115022_20221102T115210_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_20221102T123622_20221102T124119_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20221102T150057_20221102T150306_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_20221102T163857_20221102T164215_C001	Mean Sea Surface (1), Mean 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_20221102T181748_20221102T182108_C001	Mean Sea Surface (1), Mean 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_20221102T182632_20221102T182756_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_20221102T200449_20221102T200625_C001	Mean Sea Surface (1), Mean 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_20221102T204811_20221102T204911_C001	Mean Sea Surface (1), Mean 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_20221102T213327_20221102T213507_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_20221102T214224_20221102T214433_C001	Mean Sea Surface (1), Mean 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_20221102T2222611_20221102T222826_C001	Mean Sea Surface (1), Mean 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_20221102T234235_20221102T234406_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_20221102T005709_20221102T010220_C001	Mean Sea Surface (1), Mean 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_20221102T010254_20221102T010519_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_IOPR_2_20221102T023402_20221102T024256_C001	Mean Sea Surface (1), Mean 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_20221102T041327_20221102T042143_C001	Mean Sea Surface (1), Mean 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_20221102T042440_20221102T042644_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_20221102T043023_20221102T043211_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_20221102T055117_20221102T055852_C001	Mean Sea Surface (1), Mean 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_20221102T055852_20221102T060020_C001	Mean Sea Surface (1), Mean 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_20221102T073113_20221102T073751_C001	Mean Sea Surface (1), Mean 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_20221102T073751_20221102T074135_C001	Mean Sea Surface (1), Mean 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_20221102T091037_20221102T091639_C001	Mean Sea Surface (1), Mean 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_20221102T091639_20221102T091748_C001	Mean Sea Surface (1), Mean 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_20221102T094009_20221102T094223_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPR_2_20221102T105033_20221102T105212_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPR_2_20221102T105245_20221102T105431_C001	Mean Sea Surface (1), Mean 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_20221102T105431_20221102T105709_C001	Mean Sea Surface (1), Mean 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_20221102T122913_20221102T123012_C001	Mean Sea Surface (1), Mean 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_20221102T123013_20221102T123622_C001	Mean Sea Surface (1), Mean 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_20221102T141136_20221102T141645_C001	Mean Sea Surface (1), Mean 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_20221102T153935_20221102T154133_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_20221102T154509_20221102T154700_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_20221102T155036_20221102T155842_C001	Mean Sea Surface (1), Mean 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_20221102T172920_20221102T173753_C001	Mean Sea Surface (1), Mean 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_20221102T191011_20221102T191711_C001	Mean Sea Surface (1), Mean 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_20221102T204911_20221102T205454_C001	Mean Sea Surface (1), Mean 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_20221102T222826_20221102T223510_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check

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

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221102T000527_20221102T000959_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_20221102T001020_20221102T001029_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_20221102T001749_20221102T003945_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_20221102T003948_20221102T004317_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_20221102T011637_20221102T013707_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_20221102T013718_20221102T014036_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_20221102T014522_20221102T014914_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_20221102T015637_20221102T022259_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_20221102T025306_20221102T025935_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_20221102T025937_20221102T032003_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_20221102T032342_20221102T032829_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_20221102T033721_20221102T041002_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_20221102T042143_20221102T042440_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_20221102T045452_20221102T045643_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_20221102T050334_20221102T050858_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_20221102T051624_20221102T053705_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_20221102T053951_20221102T055117_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_20221102T060126_20221102T060454_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_20221102T062105_20221102T063719_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_20221102T065459_20221102T072718_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_20221102T075043_20221102T081536_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_20221102T083445_20221102T084107_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_20221102T084109_20221102T085127_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

GO. OFFL. SR. 19PM 2. 2021 102709209. 2021 102709209. COOR OFFL. SR. 19PM 2. 2022 102709209. 2022 102709209. COOR OFFL. SR. 19PM 2. 2022 102709209. 2022 102709209. COOR OFFL. SR. 19PM 2. 2022 102709209. 2022 102709209. COOR OFFL. SR. 19PM 2. 2022 102709209. 2022 102709209. COOR OFFL. SR. 19PM 2. 2022 102709209. COOR OF	CS_OFFL_SIR_IOPM_2_20221102T085608_20221102T090405_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
### COCO Afferded Plags Program or Developed Called Program Program or Developed Called Program Progra	CS_OFFL_SIR_IOPM_2_20221102T091909_20221102T092208_C001	3,	
CRIT SPI OPP 2 28211071105183 202110711370 CRIT SPI CR	CS_OFFL_SIR_IOPM_2_20221102T092408_20221102T094009_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Solucidade Custry Solucidade Cu	CS_OFFL_SIR_IOPM_2_20221102T094223_20221102T095711_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
See CRE. SRI JOPM 2. 2021102T101889 10021102T1002RG, (DDI) CRE, CREPL, SRI JOPM 2. 2021102T101889 10021102T100486, (DDI) CRESCHELL, SRI JOPM 2. 2021102T101889 10021102T100486, (DDI) CRESCHELL, SRI JOPM 2. 2021102T101889 10021102T101874 (DDI) CRESCHELL, SRI JOPM 2. 20221102T101889 10021102T101880 (DDI) CRESCHELL, SRI JOPM 2. 20221102T101889 (DDI) CRESCHELL, SRI JOPM 2. 20221102T10189 (DDI) CRESC	CS_OFFL_SIR_IOPM_2_20221102T100404_20221102T100617_C001		
CS_OFFL_SRI_IOPM_2_20221102T105182_20221102T13518_C001 CS_OFFL_SRI_IOPM_2_20221102T105182_20221102T13518_C001 CS_OFFL_SRI_IOPM_2_20221102T105182_20221102T13518_C001 CS_OFFL_SRI_IOPM_2_20221102T13518_2022102T13518_C001 CS_OFFL_SRI_IOPM_2_20221102T13518_2022102T13518_C001 CS_OFFL_SRI_IOPM_2_20221102T13518_2022102T1358_C001 CS_OFFL_SRI_IOPM_2_20221102T13518_2022102T13518_C001 CS_OFFL_SRI_IOPM_2_20221102T13518_2022102T13518_C001 CS_OFFL_SRI_IOPM_2_20221102T13518_2022102T13518_C001 CS_OFFL_SRI_IOPM_2_20221102T13518_2022102T13518_C001 CS_OFFL_SRI_IOPM_2_20221102T13518_2022102T13518_C001 CS_OFFL_SRI_IOPM_2_20221102T13518_2022102T13518_C001 CS_OFFL_SRI_IOPM_2_20221102T13534_2022102T13518_C001 CS_OFFL_SRI_IOPM_2_20221102T13518_2022102T13518_C001 CS_	CS_OFFL_SIR_IOPM_2_20221102T101349_20221102T102757_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Description	CS_OFFL_SIR_IOPM_2_20221102T102936_20221102T104426_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
cis_OFFL_SIR_OPM_2_20221102T110342_20221102T11374 C001 Cis_OFFL_SIR_OPM_2_20221102T112144_20221102T1374 C001 Cis_OFFL_SIR_OPM_2_20221102T12144_20221102T1374 C001 Cis_OFFL_SIR_OPM_2_20221102T12144_20221102T121525_C001 Cis_OFFL_SIR_OPM_2_20221102T13515_20221102T121525_C001 Cis_OFFL_SIR_OPM_2_20221102T13515_20221102T121525_C001 Cis_OFFL_SIR_OPM_2_20221102T13515_20221102T12400_C001 Cis_OFFL_SIR_OPM_2_20221102T13515_20221102T12400_C001 Cis_OFFL_SIR_OPM_2_20221102T13515_20221102T12525_C001 Cis_OFFL_SIR_OPM_2_20221102T125122_20221102T12525_C001 Cis_OFFL_SIR_OPM_2_20221102T12525_C0021102T12525_C001 Cis_OFFL_SIR_OPM_2_20221102T12525_C0021102T12525_C001 Cis_OFFL_SIR_OPM_2_20221102T12525_C0021102T12525_C001 Cis_OFFL_SIR_OPM_2_20221102T12525_C0021102T12525_C001 Cis_OFFL_SIR_OPM_2_20221102T12525_C0021102T12525_C001 Cis_OFFL_SIR_OPM_2_20221102T12525_C0021102T12525_C001 Cis_OFFL_SIR_OPM_2_20221102T12525_C0021102T12525_C001 Cis_OFFL_SIR_OPM_2_20221102T12525_C001 Cis	CS_OFFL_SIR_IOPM_2_20221102T104529_20221102T104545_C001		
and Backscatter Cuality Code Advanced Range and Backscatter Cuality Flags have been Affinited Range and Backscatter Cuality Flags have been Affinited Range and Backscatter Cuality Flags have been set or one or more records CS_OFFL_SIR_JOPM_2_20221102T114156_20221102T15022_0001 CS_OFFL_SIR_JOPM_2_20221102T15551_20221102T12525_0001 CS_OFFL_SIR_JOPM_2_20221102T12551_20221102T12503_0001 CS_OFFL_SIR_JOPM_2_20221102T12512_20001 CS_OFFL_SIR_JOPM_2_20221102T12512_20001 CS_OFFL_SIR_JOPM_2_20221102T12512_20001 CS_OFFL_SIR_JOPM_2_20221102T12512_20001 CS_OFFL_SIR_JOPM_2_20221102T12512_20001 CS_OFFL_SIR_JOPM_2_20221102T12512_20001 CS_OFFL_SIR_JOPM_2_20221102T12512_20001 CS_OFFL_SIR_JOPM_2_20221102T12512_20001 CS_OFFL_SIR_JOPM_2_20221102T132345_20021102T13778_0011 CS_OFFL_SIR_JOPM_2_20221102T132345_20021102T13778_0011 CS_OFFL_SIR_JOPM_2_20221102T132345_20021102T13778_0011 CS_OFFL_SIR_JOPM_2_20221102T132345_20021102T13778_0011 CS_OFFL_SIR_JOPM_2_20221102T132345_20021102T13778_0011 CS_OFFL_SIR_JOPM_2_20221102T132345_20021102T13778_0011 CS_OFFL_SIR_JOPM_2_20221102T132345_20021102T13778_0011 CS_OFFL_SIR_JOPM_2_20221102T13245_20021102T13778_0011 CS_OFFL_SIR_JOPM_2_20221102T13245_20021102T13778_0011 CS_OFFL_SIR_JOPM_2_20221102T13778_001102T140516_0011 CS_OFFL_SIR_JOPM_2_20221102T13778_0010 CS_OFFL_SIR_JOPM_2_20221102T13778_0010 CS_OFFL_SIR_JOPM_2_20221102T13778_0010 CS_OFFL_SIR_JOPM_2_20221102T1510066_20221102T150064_0011 CS_OFFL_SIR_JOPM_2_20221102T1510066_20221102T150064_0011 CS_OFFL_SIR_JOPM_2_20221102T1510066_20221102T150064_0011 CS_OFFL_SIR_JOPM_2_20221102T151066_2001102T160162_0011 CS_OFFL_SIR_JOPM_2_20221102T1510664_0011 CS_OFFL_SIR_JOPM_2_20221102T1510664_0011 CS_OFFL_SIR_JOPM_2_20221102T1510664_0011 CS_OFFL_SIR_JOPM_2_20221102T1510664_0011 CS_OFFL_SIR_JOPM_2_20221102T1510664_0011 CS_OFFL_SIR_JOPM_2_20221102T1510664_0011 CS_OFFL_SIR_JOPM_2_20221102T1510664_0011 CS_OFFL_SIR_JOPM_2_20221102T1510664_0011 CS_OFFL_SIR_JOPM_2_20221102T1510664_0011 CS_OFFL_SIR_JOPM_2_20221102T16016210001 CS_	CS_OFFL_SIR_IOPM_2_20221102T110329_20221102T111735_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_JOPM_2_20221102T15351_20221102T1255_0001 CS_OFFL_SIR_JOPM_2_20221102T125351_20221102T1255_0001 CS_OFFL_SIR_JOPM_2_20221102T125122_20221102T12520_0001 CS_OFFL_SIR_JOPM_2_20221102T125122_20221102T125122_0001 CS_OFFL_SIR_JOPM_2_20221102T125122_20221102T125122_0001 CS_OFFL_SIR_JOPM_2_20221102T125122_20221102T125123_0001 CS_OFFL_SIR_JOPM_2_20221102T125122_20221102T125123_0001 CS_OFFL_SIR_JOPM_2_20221102T125123_20221102T125123_0001 CS_OFFL_SIR_JOPM_2_20221102T125123_00021102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T125452_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T133442_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T13055_00021102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T13055_00021102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T13056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T13056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T13056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T13056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T13056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T13056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T13056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T13056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T13056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T15056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T15056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T15056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T15056_20221102T13578_0001 CS_OFFL_SIR_JOPM_2_20221102T15056_20221102T150594_0001 CS_OFFL_SIR_JOPM_2_20221102T15056_20221102T150594_0001 CS_OFFL_SIR_JOPM_2_20221102T15056_20221102T15056_00021102T15056_00021102T15056_00001 CS_OFFL_SIR_JOPM_2_20221102T15056_20221102T15056_00001 CS_OFFL_SIR_JOPM_2_20221102T15056_20221102T15056_00001 CS_OFFL_SIR_JOPM_2_20221102T15056_20221102T15056_00001 CS_OFFL_SIR_JOPM_2_20221102T15056_20221102T15056_00001 CS_OFFL_SIR_JOPM_2_20221102T15056_20221102T15056_00001 CS_OFFL_SIR_JOPM_2_20221102T15056_00001102T15056_00001 CS_OFFL_SIR_JOPM_2_20221102T15056_00001001 CS_O	CS_OFFL_SIR_IOPM_2_20221102T112414_20221102T113734_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the COCG Allmeter Range and Backscatter Quality Flags have been Allmeter Range and Backscatter Quality Flags and the COCG Allmeter Range and Backscatter Quality Flags and the COCG Allmeter Range and Backscatter Quality Flags and the COCG Allmeter Range and Backscatter Quality Flags and the COCG Allmeter Range and Backscatter Quality Flags and the COCG Allmeter Range and Backscatter Quality Flags have been Set on one or more records. CS. OFFL SIR JOPM 2 202211027132445 202211027132837. CO01 CS. OFFL SIR JOPM 2 2022110271323445 202211027132837. CO01 CS. OFFL SIR JOPM 2 2022110271323442 202211027132837. CO01 CS. OFFL SIR JOPM 2 2022110271323442 202211027132837. CO01 CS. OFFL SIR JOPM 2 202211027143012 202211027140515. CO01 CS. OFFL SIR JOPM 2 202211027140512 202211027140515. CO01 CS. OFFL SIR JOPM 2 202211027140512 202211027140515. CO01 CS. OFFL SIR JOPM 2 20221102715006 20221102715004 CO01 CS. OFFL SIR JOPM 2 20221102715006 20221102715004 CO01 CS. OFFL SIR JOPM 2 20221102715400 202211027154051. CO01 CS. OFFL SIR JOPM 2 20221102715400 20221102715400 CO01 CS. OFFL SIR JOPM 2 20221102715400 20221102715400 CO01 CS. OFFL SIR JOPM 2 20221102715400 CO01 CS. OFFL SIR JOPM 2 20221102716400 20221102715400 CO01 CS. OFFL SIR JOPM 2 20221102716400 CO01 CS. OFFL SIR JOPM 2 20221102716400 CO01 CS.	CS_OFFL_SIR_IOPM_2_20221102T114156_20221102T115022_C001		
and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been attended frame and Backscatter Quality Flags have been attended frame and Backscatter Quality Flags have been attended frame and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221102T132445_20221102T131718_C001 CS_OFFL_SIR_IOPM_2_20221102T132445_20221102T132837_C001 CS_OFFL_SIR_IOPM_2_20221102T132445_20221102T135728_C001 CS_OFFL_SIR_IOPM_2_20221102T133442_20221102T135728_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T14031_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T14031_C001 CS_OFFL_SIR_IOPM_2_20221102T140056_20221102T140515_C001 CS_OFFL_SIR_IOPM_2_20221102T140056_20221102T14	CS_OFFL_SIR_IOPM_2_20221102T115351_20221102T121525_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221102T125452_20221102T131718_C001 CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T132837_C001 CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T132837_C001 CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T132837_C001 CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T132837_C001 CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T132837_C001 CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T132837_C001 CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T132837_C001 CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T132837_C001 CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T132837_C001 CS_OFFL_SIR_IOPM_2_20221102T140566_20221102T140515_C001 CS_OFFL_SIR_IOPM_2_20221102T145016_20221102T145515_C001 CS_OFFL_SIR_IOPM_2_20221102T150306_20221102T150304_C001 CS_OFFL_SIR_IOPM_2_20221102T150306_20221102T150306_C001 CS_OFFL_SIR_IOPM_2_20221102T150306_20221102T150306	CS_OFFL_SIR_IOPM_2_20221102T124119_20221102T124903_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T132837_C001 CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T132837_C001 CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T13728_C001 CS_OFFL_SIR_IOPM_2_20221102T133442_20221102T13728_C001 CS_OFFL_SIR_IOPM_2_20221102T133442_20221102T13728_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T14091_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T14091_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T14091_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T14091_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T14091_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T14091_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T14091_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T14091_C001 CS_OFFL_SIR_IOPM_2_20221102T150006_20221102T150004_C001 CS_OFFL_SIR_IOPM_2_20221102T150006_20221102T150004_C001 CS_OFFL_SIR_IOPM_2_20221102T150006_20221102T150004_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T150004_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T150004_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T150004_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T150004_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T150004_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T150004_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T150004_C001 CS_OFFL_SIR_IOPM_2_20221102T15126_20221102T150004_C001 CS_OFFL_SIR_IOPM_2_20221102T160156_20221102T1	CS_OFFL_SIR_IOPM_2_20221102T125123_20221102T125429_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221102T133442_20221102T135728_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T141031_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T141031_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T141031_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T145515_C001 CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T145515_C001 CS_OFFL_SIR_IOPM_2_20221102T150306_20221102T150904_C001 CS_OFFL_SIR_IOPM_2_20221102T150306_20221102T150904_C001 CS_OFFL_SIR_IOPM_2_20221102T150306_20221102T150904_C001 CS_OFFL_SIR_IOPM_2_20221102T151266_20221102T150904_C001 CS_OFFL_SIR_IOPM_2_20221102T150904_C001 CS_OFFL_SIR_IOPM_2_20221102T150904_C001 CS_OFFL_SIR_IOPM_2_20221102T150904_C001 CS_OFFL_SIR_IOPM_2_20221102T160156_20221102T1601616_2022110	CS_OFFL_SIR_IOPM_2_20221102T125452_20221102T131718_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SPHA, SWH and Backscatter Quality Flags and the OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCGA Altimeter Range, SSHA, SWH and Backscatter Quality, OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221102T143012_20221102T15904_C001 CS_OFFL_SIR_IOPM_2_20221102T150306_20221102T15904_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T153934_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T153934_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T153934_C001 CS_OFFL_SIR_IOPM_2_20221102T154700_20221102T154951_C001 CS_OFFL_SIR_IOPM_2_20221102T154700_20221102T154951_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T16421_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 CCGA Altimeter Range Quality, OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CCGA Altimeter Range Quality, OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CCGA Altimeter Range Quality, OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CCGA Altimeter Range Quality, OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CCGA Altimeter Range Quality, OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CCGA Altimeter Range Quality, OCGA Altimeter Range and Backscat	CS_OFFL_SIR_IOPM_2_20221102T132345_20221102T132837_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_20221102T143012_20221102T145515_C001 CS_OFFL_SIR_IOPM_2_20221102T150306_20221102T150904_C001 CS_OFFL_SIR_IOPM_2_20221102T150306_20221102T150904_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T150904_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T153934_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T153934_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T153934_C001 CS_OFFL_SIR_IOPM_2_20221102T154700_20221102T154951_C001 CS_OFFL_SIR_IOPM_2_20221102T154700_20221102T154951_C001 CS_OFFL_SIR_IOPM_2_20221102T154700_20221102T154951_C001 CS_OFFL_SIR_IOPM_2_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T165821_20221102T17210_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172200_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172200_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172220_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172220_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172220_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172220_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172200_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172200_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172200_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172200_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172200_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172200_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172200_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172200_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T172200_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_	CS_OFFL_SIR_IOPM_2_20221102T133442_20221102T135728_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221102T150306_20221102T150904_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T150904_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T153934_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T153934_C001 CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T153934_C001 CS_OFFL_SIR_IOPM_2_20221102T15126_20221102T154951_C001 CS_OFFL_SIR_IOPM_2_20221102T154700_20221102T154951_C001 CS_OFFL_SIR_IOPM_2_20221102T164736_C002 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T163421_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T165821_20221102T170210_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range Altimeter Range Altimeter Range and	CS_OFFL_SIR_IOPM_2_20221102T140956_20221102T141031_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Cs_OFFL_SIR_IOPM_2_20221102T151226_20221102T153934_C001 Cs_OFFL_SIR_IOPM_2_20221102T151226_20221102T153934_C001 Cs_OFFL_SIR_IOPM_2_20221102T154700_20221102T154951_C001 Cs_OFFL_SIR_IOPM_2_20221102T154700_20221102T154951_C001 Cs_OFFL_SIR_IOPM_2_20221102T164736_20221102T163421_C001 Cs_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 Cs_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 Cs_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 Cs_OFFL_SIR_IOPM_2_20221102T165821_20221102T16702001 Cs_OFFL_SIR_IOPM_2_20221102T165821_20221102T16702001 Cs_OFFL_SIR_IOPM_2_20221102T165821_20221102T16702001 Cs_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 Cs_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 Cs_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 Ccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 Cs_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 Ccan Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 Ccan Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 Ccan Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Ccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20221102T143012_20221102T145515_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Set for one or more records CS_OFFL_SIR_IOPM_2_20221102T154700_20221102T154951_C001 CS_OFFL_SIR_IOPM_2_20221102T164700_20221102T154951_C001 CS_OFFL_SIR_IOPM_2_20221102T160156_20221102T163421_C001 CS_OFFL_SIR_IOPM_2_20221102T160156_20221102T163421_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T163421_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T165821_20221102T170210_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 CS_OFFL_SIR_IOPM_2_20221102T1702529_20221102T172920_C001 Altimeter Range and Backscatter Quality, OCOG	CS_OFFL_SIR_IOPM_2_20221102T150306_20221102T150904_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221102T160156_20221102T163421_C001 CS_OFFL_SIR_IOPM_2_20221102T160156_20221102T163421_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T164215_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T164736_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 CS_OFFL_SIR_IOPM_2_20221102T172529_20221102T172920_C001 And Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 CCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221102T172529_20221102T172920_C001 CCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20221102T151226_20221102T153934_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221102T160156_20221102T163421_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG	CS_OFFL_SIR_IOPM_2_20221102T154700_20221102T154951_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001 CS_OFFL_SIR_IOPM_2_20221102T172529_20221102T172920_C001 CS_OFFL_SIR_IOPM_2_20221102T172529_20221102T172920_C001 Backscatter Quality for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221102T172529_20221102T172920_C001 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_20221102T160156_20221102T163421_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
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_20221102T164215_20221102T164736_C001		
CS_OFFL_SIR_IOPM_2_20221102T172529_20221102T172920_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221102T165821_20221102T170210_C001		
	CS_OFFL_SIR_IOPM_2_20221102T172529_20221102T172920_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

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CS_OFFL_SIR_IOPM_2_20221102T174101_20221102T175019_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_20221102T175304_20221102T181425_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_20221102T182108_20221102T182219_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_20221102T182225_20221102T182632_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_20221102T183155_20221102T184138_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_20221102T184325_20221102T184927_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_20221102T191756_20221102T191928_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_20221102T191931_20221102T195304_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_20221102T195616_20221102T200118_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_20221102T200138_20221102T200449_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_20221102T201218_20221102T204345_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_20221102T204454_20221102T204624_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_20221102T204624_20221102T204811_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_20221102T205726_20221102T211101_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_20221102T211444_20221102T211632_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_20221102T211639_20221102T213240_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_20221102T213507_20221102T214017_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_20221102T214023_20221102T214030_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_20221102T214054_20221102T214224_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_20221102T215005_20221102T220040_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_20221102T220614_20221102T222216_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_20221102T224012_20221102T224349_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_20221102T224546_20221102T225602_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_20221102T225741_20221102T231110_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_20221102T231428_20221102T231928_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_20221102T231935_20221102T231947_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_20221102T232805_20221102T232947_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_20221102T233133_20221102T234235_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_20221102T234406_20221102T234953_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_20221102T235237_20221103T000249_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_20221102T014929_20221102T014935_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_20221102T041202_20221102T041327_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_20221102T092208_20221102T092408_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_20221102T110122_20221102T110329_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_20221102T140836_20221102T140843_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_20221102T172136_20221102T172216_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_20221102T204345_20221102T204454_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_20221102T004317_20221102T004552_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_20221102T024315_20221102T024542_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_20221102T102757_20221102T102936_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_20221102T141136_20221102T141645_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:

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20221102T011212_20221102T011348_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T014257_20221102T014522_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T032218_20221102T032342_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T041002_20221102T041124_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T041202_20221102T041327_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T044301_20221102T044403_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T050209_20221102T050334_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T050858_20221102T051210_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_IOPN_2_20221102T060020_20221102T060038_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T060101_20221102T060126_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T060809_20221102T060835_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T061753_20221102T062105_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T064758_20221102T065121_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T095753_20221102T100404_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T111924_20221102T112354_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T121659_20221102T122046_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T132256_20221102T132345_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T135728_20221102T135902_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T150904_20221102T151034_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T155842_20221102T160156_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T170733_20221102T170811_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T170952_20221102T171137_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T204345_20221102T204454_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T213327_20221102T213507_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T214224_20221102T214433_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T222611_20221102T222826_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T224349_20221102T224546_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221102T232947_20221102T233133_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_20221102T004317_20221102T004552_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_20221102T010254_20221102T010519_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_20221102T014036_20221102T014257_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_20221102T015425_20221102T015637_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_20221102T022422_20221102T022442_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_20221102T023402_20221102T024256_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
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CS_OFFL_SIR_IOPR_2_20221102T032003_20221102T032218_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_20221102T033332_20221102T033552_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_20221102T042440_20221102T042644_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_20221102T043023_20221102T043211_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_20221102T045643_20221102T050209_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_20221102T051210_20221102T051624_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_20221102T055117_20221102T055852_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_20221102T065121_20221102T065459_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_20221102T073113_20221102T073751_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_20221102T073751_20221102T074135_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_20221102T081536_20221102T082235_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_20221102T085127_20221102T085608_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_20221102T091037_20221102T091639_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_20221102T102757_20221102T102936_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_20221102T105033_20221102T105212_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_20221102T105245_20221102T105431_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_20221102T121525_20221102T121631_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_20221102T122913_20221102T123012_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_20221102T123013_20221102T123622_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_20221102T124903_20221102T125123_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_20221102T131718_20221102T131939_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_20221102T140730_20221102T140836_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_20221102T142834_20221102T142900_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_20221102T145515_20221102T145906_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_20221102T154509_20221102T154700_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_20221102T155036_20221102T155842_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_20221102T163421_20221102T163857_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_20221102T172221_20221102T172411_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_20221102T172920_20221102T173753_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_20221102T181425_20221102T181748_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_20221102T182756_20221102T183155_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_20221102T190624_20221102T190712_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_20221102T191011_20221102T191711_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_20221102T200625_20221102T200804_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_20221102T200804_20221102T201218_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_20221102T204911_20221102T205454_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_20221102T205509_20221102T205619_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_20221102T213240_20221102T213327_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_20221102T214433_20221102T215005_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_20221102T222442_20221102T222611_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_20221102T222826_20221102T223510_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_20221102T231110_20221102T231241_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 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: 62

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:

errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

0

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

Number of products with errors:

29

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220221102T001018_20221102T005956_C001	Mean Sea Surface (1), Mean 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_220221102T005956_20221102T014932_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_220221102T014932_20221102T023911_C001	Mean Sea Surface (1), Mean 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_220221102T023911_20221102T032847_C001	Mean Sea Surface (1), Mean 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_220221102T032847_20221102T041826_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_220221102T041826_20221102T050802_C001	Mean Sea Surface (1), Mean 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_220221102T050802_20221102T055740_C001	Mean Sea Surface (1), Mean 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_220221102T055740_20221102T064717_C001	Mean Sea Surface (1), Mean 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_220221102T064717_20221102T073655_C001	Mean Sea Surface (1), Mean 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_220221102T073655_20221102T082631_C001	Mean Sea Surface (1), Mean 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_20221102T082631_20221102T091610_C001	Mean Sea Surface (1), Mean 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_220221102T091610_20221102T100546_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_220221102T100546_20221102T105524_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_220221102T105524_20221102T114500_C001	Mean Sea Surface (1), Mean 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_220221102T114500_20221102T123439_C001	Mean Sea Surface (1), Mean 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_220221102T123439_20221102T132415_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_220221102T132415_20221102T141354_C001	Mean Sea Surface (1), Mean 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_220221102T141354_20221102T150330_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_220221102T150330_20221102T155309_C001	Mean Sea Surface (1), Mean 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_20221102T155309_20221102T164245_C001	Mean Sea Surface (1), Mean 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_20221102T164245_20221102T173223_C001	Mean Sea Surface (1), Mean 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_220221102T173223_20221102T182159_C001	Mean Sea Surface (1), Mean 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_220221102T182159_20221102T191138_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_20221102T191138_20221102T200114_C001	Mean Sea Surface (1), Mean 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_220221102T200114_20221102T205053_C001	Mean Sea Surface (1), Mean 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_20221102T205053_20221102T214029_C001	Mean Sea Surface (1), Mean 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_20221102T214029_20221102T223007_C001	Mean Sea Surface (1), Mean 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_20221102T223007_20221102T231943_C001	Mean Sea Surface (1), Mean 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_20221102T231943_20221103T000922_C002	IMean Dynamic Longgraphy (1)	There is an error with the Mean Dynamic Topography height for one or more records

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:

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: 28

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: 2

P2P Retracking Flags PLRM

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

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

Number of products with errors:

3