

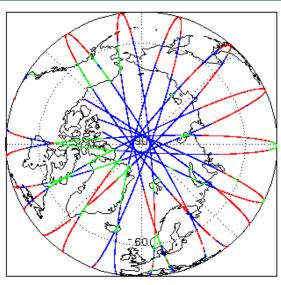
1. Overview

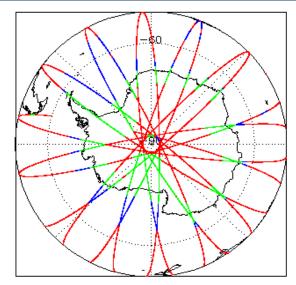
Report Production:	30-Apr-2020	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	

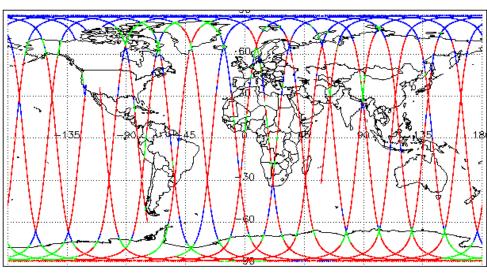
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

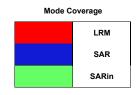
Mission / Instru	ument News
26-Apr-2020	None
27-Apr-2020	None
28-Apr-2020	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

0

lumber of products with errors:

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

4.6 L1B Waveform Group Data Check

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

Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected

Number of products with errors: 17

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20200427T234320_20200428T000857_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200427T033816_20200427T033908_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200427T101413_20200427T101905_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200427T110627_20200427T110840_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200427T114659_20200427T114735_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200427T124655_20200427T124824_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200427T150206_20200427T150306_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200427T164452_20200427T164756_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20200427T195942_20200427T200241_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200427T011125_20200427T011321_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200427T055332_20200427T060031_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200427T114640_20200427T114659_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200427T132255_20200427T132450_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200427T164756_20200427T165543_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200427T195539_20200427T195711_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200427T215026_20200427T215121_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20200427T232255_20200427T233237_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20200427T061907_20200427T062800_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPM_2_20200427T233237_20200427T233314_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200427T000317_20200427T000511_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200427T011005_20200427T011125_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200427T014755_20200427T014918_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_20200427T020837_20200427T020856_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200427T024006_20200427T024133_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200427T024657_20200427T025007_C001	Mean Sea Surface (1), Mean 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_20200427T041946_20200427T042100_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200427T042555_20200427T042920_C001	Mean Sea Surface (1), Mean 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_20200427T060031_20200427T060307_C001	Mean Sea Surface (1), Mean 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_20200427T060846_20200427T061127_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200427T065540_20200427T065700_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_20200427T073551_20200427T074158_C001	Mean Sea Surface (1), Mean 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_20200427T083500_20200427T083715_C001	Mean Sea Surface (1), Mean 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_20200427T091758_20200427T091948_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200427T092816_20200427T093005_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200427T101413_20200427T101905_C001	Mean Sea Surface (1), Mean 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_20200427T123845_20200427T124058_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_20200427T141650_20200427T142006_C001	Mean Sea Surface (1), Mean 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_20200427T160421_20200427T160546_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200427T164452_20200427T164756_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_20200427T182556_20200427T182655_C001	Mean Sea Surface (1), Mean 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_20200427T192010_20200427T192221_C001	Mean Sea Surface (1), Mean 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_20200427T200354_20200427T200609_C001	Mean Sea Surface (1), Mean 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_20200427T205027_20200427T205214_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200427T214035_20200427T214433_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200427T224000_20200427T224159_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20200427T001157_20200427T002054_C001	Mean Sea Surface (1), Mean 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_20200427T015124_20200427T015645_C001	Mean Sea Surface (1), Mean 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_20200427T015645_20200427T020113_C001	Mean Sea Surface (1), Mean 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_20200427T020234_20200427T020443_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20200427T020856_20200427T021012_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20200427T032640_20200427T033646_C001	Mean Sea Surface (1), Mean 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_20200427T033646_20200427T033815_C001	Mean Sea Surface (1), Mean 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_20200427T050911_20200427T051544_C001	Mean Sea Surface (1), Mean 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_20200427T051544_20200427T052118_C001	Mean Sea Surface (1), Mean 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_20200427T064820_20200427T065219_C001	Mean Sea Surface (1), Mean 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_20200427T065219_20200427T065539_C001	Mean Sea Surface (1), Mean 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_20200427T071802_20200427T072016_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_20200427T083040_20200427T083203_C001	Mean Sea Surface (1), Mean 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_20200427T083203_20200427T083500_C001	Mean Sea Surface (1), Mean 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_20200427T084420_20200427T084534_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20200427T100758_20200427T101413_C001	Mean Sea Surface (1), Mean 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_20200427T114925_20200427T115436_C001	Mean Sea Surface (1), Mean 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_20200427T131723_20200427T131924_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20200427T132255_20200427T132450_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20200427T132825_20200427T133628_C001	Mean Sea Surface (1), Mean 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_20200427T150701_20200427T151544_C001	Mean Sea Surface (1), Mean 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_20200427T164756_20200427T165543_C001	Mean Sea Surface (1), Mean 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_20200427T182655_20200427T183237_C001	Mean Sea Surface (1), Mean 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_20200427T200609_20200427T200721_C001	Mean Sea Surface (1), Mean 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_20200427T200721_20200427T201254_C001	Mean Sea Surface (1), Mean 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_20200427T214433_20200427T214955_C001	Mean Sea Surface (1), Mean 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_20200427T232255_20200427T233237_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

Number of products with errors: 92

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20200426T233334_20200427T000057_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20200427T002937_20200427T003206_C001	0 7	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CQ_CPT_SR_QPM_2_2000427100142_2000427100132_000047100132_000 CQ_CPT_SR_QPM_2_2000427100132_2000427100132_000047100132_000	CS_OFFL_SIR_IOPM_2_20200427T003208_20200427T010010_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.
on Development (1994) and Development (1994)	CS_OFFL_SIR_IOPM_2_20200427T010144_20200427T010629_C001		
CB_OFF_SRI_JONL_2_200047705955_2000477100940_0001 CB_OFF_SRI_JONL_2_200047705952_200047710090_0001 CB_OFF_SRI_JONL_2_200047705950_200047705950_0001 CB_OFF_SRI_JONL_2_200047705950_20004705950_0001 CB_OFF_SRI_JONL_2_200047705950_20004705950_0001 CB_OFF_SRI_JONL_2_200047705950_20004705950_0001 CB_OFF_SRI_JONL_2_200047705950_20004705950_0001 CB_OFF_SRI_JONL_2_200047705950_20004705950_0001 CB_OFF_SRI_JONL_2_200047705950_20004 CB_OFF_SRI_JONL_2_200047705950_20004	CS_OFFL_SIR_IOPM_2_20200427T011321_20200427T014755_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Co. OFFL. SRI, IOPM 2, 2020427102403, 20004271034052, CO01	CS_OFFL_SIR_IOPM_2_20200427T023235_20200427T023441_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Language Control (1997) Sept. (1994) 2,0000427103140 2,0000427103150 2,0000427104150 2,00004	CS_OFFL_SIR_IOPM_2_20200427T023641_20200427T023923_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SR_JOPM_2_20200427703503_20200427703503_0000427703	CS_OFFL_SIR_IOPM_2_20200427T024133_20200427T024656_C001		
CB_OFFL_SIR_IOPM_2_20200427T031933_20200427T04254_C001 CB_OFFL_SIR_IOPM_2_20200427T03933_20200427T04254_C001 CB_OFFL_SIR_IOPM_2_20200427T03933_20200427T04255_C001 CB_OFFL_SIR_IOPM_2_20200427T03933_20200427T04555_C001 CB_OFFL_SIR_IOPM_2_20200427T04503_20200427T04555_C001 CB_OFFL_SIR_IOPM_2_20200427T04503_20200427T04555_C001 CB_OFFL_SIR_IOPM_2_20200427T04503_20200427T04503_C001 CB_OFFL_SIR_IOPM_2_20200427T04503_20200427T05333_C001 CB_OFFL_SIR_IOPM_2_20200427T04503_20200427T05333_C001 CB_OFFL_SIR_IOPM_2_20200427T04503_20200427T05333_C001 CB_OFFL_SIR_IOPM_2_20200427T04503_20200427T05333_C001 CB_OFFL_SIR_IOPM_2_20200427T04503_20200427T05333_C001 CB_OFFL_SIR_IOPM_2_20200427T05303_20200427T05333_C001 CB_OFFL_SIR_IOPM_2_20200427T05303_20200427T05303_C001 CB_OFFL_SIR_IOPM_2_20200427T05303_20200427T05303_C001 CB_OFFL_SIR_IOPM_2_20200427T05303_20200427T05303_C001 CB_OFFL_SIR_IOPM_2_20200427T05303_20200427T05303_C001 CB_OFFL_SIR_IOPM_2_20200427T05303_20200427T05303_C001 CB_OFFL_SIR_IOPM_2_20200427T05303_20200427T05303_C001 CB_OFFL_SIR_IOPM_2_20200427T05303_20200427T05303_C001 CB_OFFL_SIR_IOPM_2_20200427T05303_20200427T05030_C001 CB_OFFL_SIR_IOPM_2_20200427T05303_20200427T05030_C001 CB_OFFL_SI	CS_OFFL_SIR_IOPM_2_20200427T025248_20200427T031502_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200427104045_2000427104051S_C001 CS_OFFL_SIR_IOPM_2_20200427104042_2000427104051S_C001 CS_OFFL_SIR_IOPM_2_20200427104042_2000427104051S_C001 CS_OFFL_SIR_IOPM_2_20200427104042_2000427104051S_C001 CS_OFFL_SIR_IOPM_2_20200427104042_2000427104051S_C001 CS_OFFL_SIR_IOPM_2_20200427104042_2000427104051S_C001 CS_OFFL_SIR_IOPM_2_20200427104042_2000427104051S_C001 CS_OFFL_SIR_IOPM_2_202004271040542_2000427104051S_C001 CS_OFFL_SIR_IOPM_2_202004271040542_2000427104054S_C001 CS_OFFL_SIR_IOPM_2_20200427104054S_C001 CS_OFFL_SIR_IOPM_2_20200427105105_20200427105332_C001 CS_OFFL_SIR_IOPM_2_20200427105105_202004271050532_C001 CS_OFFL_SIR_IOPM_2_20200427105105_202004271050503_C001 CS_OFFL_SIR_IOPM_2_20200427105105_202004271050503_C001 CS_OFFL_SIR_IOPM_2_202004271050502_202004271050503_C001 CS_OFFL_SIR_IOPM_2_202004271050502_202004271050502_C001 CS_OFFL_SIR_IOPM_2_202004271050502_2020042	CS_OFFL_SIR_IOPM_2_20200427T031747_20200427T032640_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the COGA Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200427T041612_2000427T041635_0001 CS_OFFL_SIR_IOPM_2_20200427T043159_20200427T050435_0001 CS_OFFL_SIR_IOPM_2_20200427T043159_20200427T050435_0001 CS_OFFL_SIR_IOPM_2_20200427T043159_20200427T050435_0001 CS_OFFL_SIR_IOPM_2_20200427T05033_0000427T050435_0001 CS_OFFL_SIR_IOPM_2_20200427T05033_0000427T050435_0001 CS_OFFL_SIR_IOPM_2_20200427T05033_0000427T050435_0001 CS_OFFL_SIR_IOPM_2_20200427T051353_0000427T050435_0001 CS_OFFL_SIR_IOPM_2_20200427T051353_0000427T050435_0001 CS_OFFL_SIR_IOPM_2_20200427T051353_0000427T051603_0001 CS_OFFL_SIR_IOPM_2_20200427T051353_0000427T051603_0001 CS_OFFL_SIR_IOPM_2_20200427T0516002_0001427T061603_0001 CS_OFFL_SIR_IOPM_2_20200427T061602_2000427T061603_0001 CS_OFFL_SIR_IOPM_2_20200427T061603_2000427T061603_0001 CS_OFFL_SIR_IOPM_2_20200427T061603_2000427T061603_0001 CS_OFFL_SIR_IOPM_2_20200427T061603_2000427T061603_0001 CS_OFFL_SIR_IOPM_2_20200427T061603_2000427T061603_0001 CS_OFFL_SIR_IOPM_2_20200427T061603_2000427T061603_0001 CS_OFFL_SIR_IOPM_2_20200427T061603_2000427T061603_0001 CS_OFFL_SIR_IOPM_2_20200427T061603_2000427T061603_0001 CS_OFFL_SIR_IOPM_2_20200427T061603_2000427T0761603_0001 CS_OFFL_SIR_IOPM_2_20200427T0764763_2000427T0760002_0001 CS_OFFL_SIR_IOPM_2_20200427T0764763_2000427T0760002_0001 CS_OFFL_SIR_IOPM_2_20200427T0764763_2000427T0760002_0001 CS_OFFL_SIR_IOPM_2_20200427T0764763_2000427T0760002_0001 CS_OFFL_SIR_IOPM_2_20200427T0764763_2000427T0760002_0001 CS_OFFL_SIR_IOPM_2_20200427T0764763_2000427T0760002_0001 CS_OFFL_SIR_IOPM_2_20200427T0764763_2000427T0760002_0001 CCS_OFFL_SIR_IOPM_2_20200427T0764763_2000427T0760002_0001 CCS_OFFL_SIR_IOPM_2_20200427T0764763_2000427T0760002_0001 CCS_OFFL_SIR_IOPM_2_20200427T076453_2000427T07600001 CCS_OFFL_SIR_IOPM_2_202	CS_OFFL_SIR_IOPM_2_20200427T033933_20200427T034254_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and flackscarler Quality, OCOG Altimeter Range and Backscarler Quality Flags have been set for one or noise records. CS_OFFL_SIR_JOPM_2_20200427T042191_20200427T042555_C001 CS_OFFL_SIR_JOPM_2_20200427T042192_20200427T050335_C001 CS_OFFL_SIR_JOPM_2_20200427T04159_20200427T050335_C001 CS_OFFL_SIR_JOPM_2_20200427T05033_20200427T050335_C001 CS_OFFL_SIR_JOPM_2_20200427T05033_20200427T050335_C001 CS_OFFL_SIR_JOPM_2_20200427T05033_20200427T060332_C001 CS_OFFL_SIR_JOPM_2_20200427T061159_20200427T06103_C001 CS_OFFL_SIR_JOPM_2_20200427T061159_20200427T06103_C001 CS_OFFL_SIR_JOPM_2_20200427T06103_C001 CS_OFFL_SIR_JOPM_2_20200427T061159_20200427T06103_C001 CS_OFFL_SIR_JOPM_2_20200427T061063_C001 CS_OFFL_SIR_JOPM_2_20200427T061063_C001 CS_OFFL_SIR_JOPM_2_20200427T061063_C001 CS_OFFL_SIR_JOPM_2_20200427T061063_C001 CS_OFFL_SIR_JOPM_2_20200427T061063_C001 CS_OFFL_SIR_JOPM_2_20200427T061063_C001 CS_OFFL_SIR_JOPM_2_20200427T061063_C001 CS_OFFL_SIR_JOPM_2_20200427T064063_C001 CS_OFFL_SIR_JOPM_2_20200427T064063_C001 CS_OFFL_SIR_JOPM_2_20200427T064063_C001 CS_OFFL_SIR_JOPM_2_20200427T064063_C001 CS_OFFL_SIR_JOPM_2_20200427T064063_C001 CS_OFFL_SIR_JOPM_2_20200427T064063_C001 CS_OFFL_SIR_JOPM_2_20200427T064063_C001 CS_OFFL_SIR_JOPM_2_20200427T0706202_C0000427T070600_C001 CS_OFFL_SIR_JOPM_2_20200427T070636_C001 CS_OFFL_SIR_JOPM_2_20200427T070636_C001 CS_OFFL_SIR_JOPM_2_20200427T070636_C001 CS_OFFL_SIR_JOPM_2_20200427T070636_C001 CS_OFFL_SIR_JOPM_2_20200427T070636_C001 CS_OFFL_SIR_JOPM_2_20200427T070636_C0001 CS_OFFL_SIR_JOPM_2_20200427T070636_C001 CS_OFFL_SIR_JOPM_2_20200427T070656_C001 CS_OFFL_SIR_JOPM_2_20200427T070656_C001 CS_OFFL_SIR_JOPM_2_20200427T070656_C001 CS_OFFL_SIR_JOPM_2_20200427T070656_C001 CS_OFFL_SIR_JOPM_2_20200427T070656_C001 CS_OFFL_SIR_JOPM_2_20200427T070656_C001 CS_OFFL_SIR_JOPM_2_20200427T070656_C001 CS_OFFL_SIR_JOPM_2_20200427T070656_C001 CS_OFFL_SIR_JOPM_2_20200427T07066_C001 CS_OFFL_SIR_JOPM_2_20200427T07066_C001 CS_OFFL_SIR_JOPM_2_20200427T070656_C000427T0704150_C00	CS_OFFL_SIR_IOPM_2_20200427T035903_20200427T040515_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscater Quality Con on norme records. CS_OFFL_SIR_JOPM_2_20200427T04158_20200427T06045_C001 CS_OFFL_SIR_JOPM_2_20200427T053158_20200427T06532_C001 CS_OFFL_SIR_JOPM_2_20200427T051158_20200427T061803_C001 CS_OFFL_SIR_JOPM_2_20200427T061158_20200427T061803_C001 CS_OFFL_SIR_JOPM_2_20200427T061158_20200427T061803_C001 CS_OFFL_SIR_JOPM_2_20200427T061158_20200427T061803_C001 CS_OFFL_SIR_JOPM_2_20200427T0610402_C001 CS_OFFL_SIR_JOPM_2_20200427T0610402_C001 CS_OFFL_SIR_JOPM_2_20200427T0610402_C001 CS_OFFL_SIR_JOPM_2_20200427T062802_20200427T064803_C001 CS_OFFL_SIR_JOPM_2_20200427T064707_20200427T064803_C001 CS_OFFL_SIR_JOPM_2_20200427T065700_20200427T064803_C001 CS_OFFL_SIR_JOPM_2_20200427T065700_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T065700_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T065700_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T064707_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T064707_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T064707_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T064707_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T064707_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T064707_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T070037_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T070037_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T070037_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T070037_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T070038_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T070038_20200427T070006_C001 CS_OFFL_SIR_JOPM_2_20200427T070458_20200427T070505_C001 CS_OFFL_SIR_JOPM_2_20200427T070458_20200427T070505_C001 CS_OFFL_SIR_JOPM_2_20200427T070458_20200427T070505_C001 CS_OFFL_SIR_JOPM_2_20200427T07046_20200427T070505_C001 CS_OFFL_SIR_JOPM_2_20200427T070506_20200427T070505_C001 CS_OFFL_SIR_JOPM_2_20200427T070506_20200427T070505_C001 CS_OFFL_SIR_JOPM_2_20200427T070506_20200427T070505_C001 CS_OFFL_SIR_JOPM_2_20200427T070506_20200427T070505_C001 CS_OFFL_SIR_JOPM_2_20200427T070506_20200427T070505_C001 C	CS_OFFL_SIR_IOPM_2_20200427T040542_20200427T041833_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200427T051033_20200427T050332_C001 CS_OFFL_SIR_IOPM_2_20200427T050333_20200427T050332_C001 CS_OFFL_SIR_IOPM_2_20200427T05105332_C001 CS_OFFL_SIR_IOPM_2_20200427T05105033_20200427T05105332_C001 CS_OFFL_SIR_IOPM_2_20200427T0510533_C001 CS_OFFL_SIR_IOPM_2_20200427T05105332_C001 CS_OFFL_SIR_IOPM_2_20200427T05105332_C001 CS_OFFL_SIR_IOPM_2_20200427T05105332_C001 CS_OFFL_SIR_IOPM_2_20200427T05105332_C001 CS_OFFL_SIR_IOPM_2_20200427T053402_C000427T054142_C001 CS_OFFL_SIR_IOPM_2_20200427T054707_20200427T054803_C001 CS_OFFL_SIR_IOPM_2_20200427T05705702_20200427T054803_C001 CS_OFFL_SIR_IOPM_2_20200427T05705703_20200427T0705402_C001 CS_OFFL_SIR_IOPM_2_20200427T05705702_20200427T0705403_C001 CS_OFFL_SIR_IOPM_2_20200427T05705703_20200427T0705403_C001 CS_OFFL_SIR_IOPM_2_20200427T0705703_20200427T0705800_C001 CS_OFFL_SIR_IOPM_2_20200427T05705703_20200427T0705800_C001 CS_OFFL_SIR_IOPM_2_20200427T05705703_20200427T0705800_C001 CS_OFFL_SIR_IOPM_2_20200427T0705703_20200427T0705800_C001 CS_OFFL_SIR_IOPM_2_20200427T0705703_20200427T0705800_C001 CS_OFFL_SIR_IOPM_2_20200427T0705703_20200427T0705800_C001 CS_OFFL_SIR_IOPM_2_20200427T0705703_20200427T0705705_C001 CS_OFFL_SIR_IOPM_2_20200427T0705703_20200427T0705705_C001 CS_OFFL_SIR_IOPM_2_20200427T0705705_20200427T070515_C001 CS_OFFL_SIR_IOPM_2_20200427T070505_20200427T070515_C001 CS_OFFL_SIR_IOPM_2_20200427T070505_20200427T06550_C001 CS_OFFL_SIR_IOPM_2_20200427T070453_20200427T06550_C001 CS_OFFL_SIR_IOPM_2_20200427T070505_20200427T0655	CS_OFFL_SIR_IOPM_2_20200427T042101_20200427T042555_C001		
and Backscatter Quality COCG Allimeter Range and Backscatter Quality Flags have been all packscatter Quality Flags have been a	CS_OFFL_SIR_IOPM_2_20200427T043159_20200427T050435_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, CCGC Allimeter Range and Backscatter Quality Coro one or more records. CS_OFFL_SIR_IOPM_2_20200427T062802_20200427T062921_CO01 CS_OFFL_SIR_IOPM_2_20200427T062802_20200427T062921_CO01 CS_OFFL_SIR_IOPM_2_20200427T062802_20200427T062921_CO01 CS_OFFL_SIR_IOPM_2_20200427T062802_20200427T064142_CO01 CS_OFFL_SIR_IOPM_2_20200427T063402_20200427T064142_CO01 CS_OFFL_SIR_IOPM_2_20200427T064707_20200427T064803_CO01 CS_OFFL_SIR_IOPM_2_20200427T064707_20200427T064803_CO01 CS_OFFL_SIR_IOPM_2_20200427T066700_20200427T0704803_CO01 CS_OFFL_SIR_IOPM_2_20200427T066700_20200427T07060_CO01 CS_OFFL_SIR_IOPM_2_20200427T066700_20200427T07060_CO01 CS_OFFL_SIR_IOPM_2_20200427T07023_20200427T07060_CO01 CS_OFFL_SIR_IOPM_2_20200427T07023_20200427T07802_CO01 CS_OFFL_SIR_IOPM_2_20200427T07023_20200427T07802_CO01 CS_OFFL_SIR_IOPM_2_20200427T070216_20200427T073512_CO01 CS_OFFL_SIR_IOPM_2_20200427T074168_20200427T07413_CO01 CS_OFFL_SIR_IOPM_2_20200427T074158_20200427T07413_CO01 CS_OFFL_SIR_IOPM_2_20200427T074158_20200427T07413_CO01 CS_OFFL_SIR_IOPM_2_20200427T074158_20200427T07413_CO01 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T07413_CO01 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T07413_CO01 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T07413_CO01 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T07413_CO01 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T07413_CO01 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T07412_CO01 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074912_CO01 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T074912_CO01 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T074912_CO01 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T076950_CO01 CS_OFFL_SIR_IOPM_2_20200427T076592_20200427T076950_CO01 CS_OFFL_SIR_IOPM_2_20200427T076559_20200427T076950_CO01 CS_OFFL_SIR_IOPM_2_20200427T076559_20200427T0769550_CO01 CS_OFFL_SIR_IOPM_2_20200427T076559_20200427T0769550_CO01 CS_OFFL_SIR_IOPM_2_20200427T076559_20200427T0769550_CO01 CS_OFFL_SIR_IOPM_2_20200427T076559_20200427T0769550_CO01 CS_OFFL_SIR_IOPM_2_20200	CS_OFFL_SIR_IOPM_2_20200427T053033_20200427T055332_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200427T063402_20200427T064142_C001 CS_OFFL_SIR_IOPM_2_20200427T064077_20200427T064903_C001 CS_OFFL_SIR_IOPM_2_20200427T064707_20200427T064903_C001 CS_OFFL_SIR_IOPM_2_20200427T064707_20200427T064903_C001 CS_OFFL_SIR_IOPM_2_20200427T065700_20200427T070006_C001 CS_OFFL_SIR_IOPM_2_20200427T065700_20200427T070006_C001 CS_OFFL_SIR_IOPM_2_20200427T070233_20200427T071802_C001 CS_OFFL_SIR_IOPM_2_20200427T07233_20200427T071802_C001 CS_OFFL_SIR_IOPM_2_20200427T07233_20200427T073512_C001 CS_OFFL_SIR_IOPM_2_20200427T072016_20200427T073512_C001 CS_OFFL_SIR_IOPM_2_20200427T072016_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T074158_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074912_C001 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074912_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T074912_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T0789150_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T0789150_C001 CS_OFFL_SIR_IOPM_2_20200427T076059_20200427T0789150_C001 CS_OFFL_SIR_IOPM_2_20200427T076059_20200427T0789150_C001 CS_OFFL_SIR_IOPM_2_20200427T076059_20200427T0789150_C001 CS_OFFL_SIR_IOPM_2_20200427T076059_20200427T0789150_C001 CS_OFFL_SIR_IOPM_2_20200427T076059_20200427T082157_C001 CS_OFFL_SIR_IOPM_2_20200427T0764534_20200427T085756_C001 CS_OFFL_SIR_IOPM_2_20200427T086550_C001 CS_OFFL_SIR_IOPM_2_20200427T086550_C001 CS_OFFL_SIR_IOPM_2_20200427T086550_C001 CS_OFFL_SIR_IOPM_2_20200427T086550_C001 CS_OFFL_SIR_IOPM_2_20200427T086550_C001 CS_OFFL_SIR_IOPM_2_20200427T086550_C001 CS_OFFL_SIR_IOPM_2_20200427T086550_C001 CS_OFFL_SIR_IOPM_2_20200427T086550_C001 CS_OFFL_SIR_IOPM_2_20200427T086550_C001 CS_OFFL_SIR_IOPM_2_20200427T086560_C001 CS_OFFL_SIR_IOPM_2_20200427T086560_C001 CS_OFFL_SIR_IOPM_2_20200427T086560_C001 CS_OFFL_SIR_IOPM_2_20200427T086560_C001 CS_OFFL_SIR_IOPM_2_20200427T086560_C001 CS_OFFL_SIR_IOPM_2_20200427T086560_C001	CS_OFFL_SIR_IOPM_2_20200427T061158_20200427T061803_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 Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200427T064707_20200427T070006_C001 CS_OFFL_SIR_IOPM_2_20200427T065700_20200427T070006_C001 CS_OFFL_SIR_IOPM_2_20200427T070233_20200427T070006_C001 CS_OFFL_SIR_IOPM_2_20200427T070233_20200427T07802_C001 CS_OFFL_SIR_IOPM_2_20200427T070233_20200427T075512_C001 CS_OFFL_SIR_IOPM_2_20200427T072016_20200427T075512_C001 CS_OFFL_SIR_IOPM_2_20200427T074158_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T074158_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T07453_20200427T074912_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T074912_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T0805516_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T0805516_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T0805516_C001 Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T080550_C001 CS_OFFL_SIR_IOPM_	CS_OFFL_SIR_IOPM_2_20200427T062802_20200427T062921_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20200427T065700_20200427T070006_C001 CS_OFFL_SIR_IOPM_2_20200427T070233_20200427T071802_C001 CS_OFFL_SIR_IOPM_2_20200427T070233_20200427T071802_C001 CS_OFFL_SIR_IOPM_2_20200427T070233_20200427T071802_C001 CS_OFFL_SIR_IOPM_2_20200427T072016_20200427T073512_C001 CS_OFFL_SIR_IOPM_2_20200427T072016_20200427T073512_C001 CS_OFFL_SIR_IOPM_2_20200427T074158_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074912_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T080550_C001 CS_OFF	CS_OFFL_SIR_IOPM_2_20200427T063402_20200427T064142_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20200427T070233_20200427T071802_C001 CS_OFFL_SIR_IOPM_2_20200427T070233_20200427T071802_C001 CS_OFFL_SIR_IOPM_2_20200427T072016_20200427T073512_C001 CS_OFFL_SIR_IOPM_2_20200427T072016_20200427T073512_C001 CS_OFFL_SIR_IOPM_2_20200427T074158_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T074158_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074912_C001 CS_OFFL_SIR_IOPM_2_20200427T07455_20200427T074912_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T085716_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T085716_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T085716_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T085716_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T085716_C001 CS_OFFL_SIR_IOPM_2_20200427T084534_20200427T085716_C001 CS_OFFL_SIR_IOPM_2_20200427T080	CS_OFFL_SIR_IOPM_2_20200427T064707_20200427T064803_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200427T072016_20200427T073512_C001 CS_OFFL_SIR_IOPM_2_20200427T074158_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074912_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T080551_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T080551_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T080551_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T0805716_C001 CS_OFFL_SIR_IOPM_2_20200427T080554_20200427T0805716_C001 CS_OFFL_SIR_IOPM_2_20200427T080554_20200427T0805716_C001 CS_OFFL_SIR_IOPM_2_20200427T080554_20200427T0805716_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T0805716_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T0807516_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T0807180729_20200427T0807180729_20200427T080729_20200427T0807180729_20200427T0807180729_20200427T080729_20200427	CS_OFFL_SIR_IOPM_2_20200427T065700_20200427T070006_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200427T074158_20200427T074413_C001 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074912_C001 CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074912_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T0807516_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. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20200427T070233_20200427T071802_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 Backscatter Quality CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 Backscatter Quality CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 Backscatter Quality COCG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20200427T072016_20200427T073512_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Gor one or more records. Cs_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 Cs_OFFL_SIR_IOPM_2_20200427T080729_20200427T080550_C001 Cs_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 Cs_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 Cs_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 Cs_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 Cs_OFFL_SIR_IOPM_2_20200427T080729_20200427T085716_C001 Cs_OFFL_SIR_IOPM_2_20200427T084534_20200427T085716_C001 Cs_OFFL_SIR_IOPM_2_20200427T085716_C001 Cs_OFFL_SIR_IOPM_2_20200427T084534_20200427T085716_C001 Cs_OFFL_SIR_IOPM_2_20200427T085716_C001 Cs_OFFL_SIR_IOPM_2_20200427T085716_C001 Cs_OFFL_SIR_IOPM_2_20200427T085716_C001 Cs_OFFL_SIR_IOPM_2_20200427T085716_C001 Cs_OFFL_SIR_IOPM_2_20200427T085716_C001 Cs_OFFL_SIR_IOPM_2_20200427T085716_C001 Cs	CS_OFFL_SIR_IOPM_2_20200427T074158_20200427T074413_C001		
CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20200427T074453_20200427T074912_C001		
CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Ran	CS_OFFL_SIR_IOPM_2_20200427T075059_20200427T080550_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200427T084534_20200427T085716_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20200427T080729_20200427T082157_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPM_2_20200427T084534_20200427T085716_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20200427T090153_20200427T091655_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_20200427T091948_20200427T092816_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_20200427T093036_20200427T095317_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_20200427T102211_20200427T102648_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_20200427T102906_20200427T103237_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_20200427T103239_20200427T105612_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_20200427T110139_20200427T110627_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_20200427T110930_20200427T111157_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_20200427T111313_20200427T113527_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_20200427T120802_20200427T123455_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_20200427T124058_20200427T124655_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_20200427T124828_20200427T131155_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_20200427T132450_20200427T132647_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_20200427T133938_20200427T141354_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_20200427T142006_20200427T142526_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_20200427T142707_20200427T143042_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_20200427T143202_20200427T143324_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_20200427T150306_20200427T150701_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_20200427T151926_20200427T152805_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_20200427T153051_20200427T155312_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_20200427T155856_20200427T160008_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_20200427T160014_20200427T160421_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_20200427T160618_20200427T161926_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_20200427T162114_20200427T162718_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_20200427T162853_20200427T163346_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_20200427T165817_20200427T173135_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.

	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
CS_OFFL_SIR_IOPM_2_20200427T173402_20200427T173906_C001	Backscatter Quality	for one or more records.
CS_OFFL_SIR_IOPM_2_20200427T174642_20200427T174711_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_20200427T175006_20200427T182054_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_20200427T182426_20200427T182556_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_20200427T183600_20200427T183643_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_20200427T184009_20200427T184847_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_20200427T185025_20200427T191105_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_20200427T191256_20200427T191804_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_20200427T192747_20200427T193741_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_20200427T194359_20200427T195539_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_20200427T195712_20200427T195842_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_20200427T202126_20200427T203347_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_20200427T203527_20200427T204954_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_20200427T205214_20200427T205714_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_20200427T205722_20200427T205733_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_20200427T205755_20200427T205858_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_20200427T210552_20200427T210821_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_20200427T210902_20200427T212107_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_20200427T212110_20200427T212737_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_20200427T213017_20200427T213719_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_20200427T220625_20200427T222926_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_20200427T223253_20200427T223631_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_20200427T223638_20200427T223647_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_20200427T223653_20200427T224000_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_20200427T224244_20200427T230928_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_20200427T234320_20200428T000857_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_20200427T022535_20200427T022658_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_20200427T034603_20200427T034620_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_20200427T083905_20200427T084116_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_20200427T092816_20200427T093005_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_20200427T123845_20200427T124058_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_20200427T151544_20200427T151722_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_20200427T200354_20200427T200609_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_20200427T052206_20200427T052656_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_20200427T100758_20200427T101413_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_20200427T152806_20200427T153051_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_20200427T222926_20200427T223019_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_20200427T224159_20200427T224244_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors: 100

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20200427T000317_20200427T000511_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_20200427T010020_20200427T010144_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_20200427T020837_20200427T020856_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_20200427T022043_20200427T022137_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_20200427T024657_20200427T025007_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_20200427T034750_20200427T034832_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_20200427T035546_20200427T035902_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_20200427T042555_20200427T042920_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_20200427T060500_20200427T060838_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_20200427T064142_20200427T064211_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_20200427T073551_20200427T074158_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_20200427T074912_20200427T075049_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_20200427T083500_20200427T083715_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_20200427T083905_20200427T084116_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_20200427T085725_20200427T090153_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_20200427T091758_20200427T091948_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_20200427T095453_20200427T095832_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_20200427T101413_20200427T101905_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_20200427T105732_20200427T105852_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_20200427T110627_20200427T110840_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_20200427T113527_20200427T113649_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_20200427T114622_20200427T114640_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_20200427T124655_20200427T124824_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_20200427T133628_20200427T133751_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_20200427T144438_20200427T144543_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_20200427T145802_20200427T145838_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_20200427T145938_20200427T150006_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_20200427T151544_20200427T151722_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_20200427T151744_20200427T151845_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_20200427T155536_20200427T155856_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_20200427T160421_20200427T160546_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_20200427T164452_20200427T164756_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_20200427T173211_20200427T173401_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_20200427T174245_20200427T174410_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_20200427T192010_20200427T192221_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_20200427T193741_20200427T193847_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_20200427T195942_20200427T200241_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_IOPN_2_20200427T200354_20200427T200609_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20200427T210822_20200427T210902_C001	PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20200427T214035_20200427T214433_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_20200427T214955_20200427T215026_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_20200427T220058_20200427T220443_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_20200427T223019_20200427T223253_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_20200427T223631_20200427T223638_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_20200427T224000_20200427T224159_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_20200427T234114_20200427T234244_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_20200427T001157_20200427T002054_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_20200427T011125_20200427T011321_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_20200427T014918_20200427T014956_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_20200427T015124_20200427T015645_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_20200427T015645_20200427T020113_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_20200427T020234_20200427T020443_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_20200427T025007_20200427T025248_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_20200427T032640_20200427T033646_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_20200427T042920_20200427T043159_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_20200427T050721_20200427T050729_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_20200427T050911_20200427T051544_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_20200427T051544_20200427T052118_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_20200427T055332_20200427T060031_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_20200427T064248_20200427T064315_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_20200427T064320_20200427T064439_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_20200427T064820_20200427T065219_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_20200427T065219_20200427T065539_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_20200427T083040_20200427T083203_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_20200427T083203_20200427T083500_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_20200427T083715_20200427T083905_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_20200427T084116_20200427T084227_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_20200427T093005_20200427T093036_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_20200427T100700_20200427T100758_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_20200427T100758_20200427T101413_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_20200427T101933_20200427T102211_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_20200427T102649_20200427T102905_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_20200427T105612_20200427T105732_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_20200427T114925_20200427T115436_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_20200427T120612_20200427T120802_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_20200427T123455_20200427T123659_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_20200427T124824_20200427T124828_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_20200427T131723_20200427T131924_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_20200427T132647_20200427T132808_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_20200427T132825_20200427T133628_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_20200427T133751_20200427T133759_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_20200427T141355_20200427T141650_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_20200427T145411_20200427T145802_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_20200427T150701_20200427T151544_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_20200427T155312_20200427T155536_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_20200427T164301_20200427T164451_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_20200427T164756_20200427T165543_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_20200427T165707_20200427T165817_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_20200427T182655_20200427T183237_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_20200427T183643_20200427T184009_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_20200427T192221_20200427T192747_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_20200427T194147_20200427T194359_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_20200427T195539_20200427T195711_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_20200427T195842_20200427T195942_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_20200427T200241_20200427T200354_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_20200427T200721_20200427T201254_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_20200427T213719_20200427T214012_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_20200427T214433_20200427T214955_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_20200427T220443_20200427T220625_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_20200427T232255_20200427T233237_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors: 19

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors:

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors: 142

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

(

6.4 P2P Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220200426T232738_20200427T001712_C001	Mean Sea Surface (1), Mean 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_220200427T001712_20200427T010652_C001	Mean Sea Surface (1), Mean 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_220200427T010652_20200427T015626_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_220200427T015626_20200427T024605_C001	Mean Sea Surface (1), Mean 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_220200427T024605_20200427T033540_C001	Mean Sea Surface (1), Mean 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_220200427T033540_20200427T042519_C001	Mean Sea Surface (1), Mean 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_220200427T042519_20200427T051453_C001	Mean Sea Surface (1), Mean 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_220200427T051453_20200427T060432_C001	Mean Sea Surface (1), Mean 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_220200427T060432_20200427T065407_C001	Mean Sea Surface (1), Mean 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_220200427T065407_20200427T074346_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_220200427T074346_20200427T083320_C001	Mean Sea Surface (1), Mean 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_220200427T083320_20200427T092259_C001	Mean Sea Surface (1), Mean 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_220200427T092259_20200427T101234_C001	Mean Sea Surface (1), Mean 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_220200427T101234_20200427T110213_C001	Mean Sea Surface (1), Mean 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_220200427T110213_20200427T115147_C001	Mean Sea Surface (1), Mean Dynamic Topography (1) mean Sea Surrace (1), mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220200427T115147_20200427T124127_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc	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_220200427T124127_20200427T133101_C001	Mean Sea Surface (1), Mean 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_220200427T133101_20200427T142040_C001	Mean Sea Surface (1), Mean 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_220200427T142040_20200427T151015_C001	Mean Sea Surface (1), Mean 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_220200427T151015_20200427T155954_C001	Mean Sea Surface (1), Mean 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_220200427T155954_20200427T164928_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_220200427T164928_20200427T173907_C001	Mean Sea Surface (1), Mean 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_220200427T173907_20200427T182842_C001	Mean Sea Surface (1), Mean 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_220200427T182842_20200427T191821_C001	Mean Sea Surface (1), Mean 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_220200427T191821_20200427T200755_C001	Mean Sea Surface (1), Mean 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_220200427T200755_20200427T205734_C001	Mean Sea Surface (1), Mean 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_220200427T205734_20200427T214709_C001	Mean Sea Surface (1), Mean 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_220200427T214709_20200427T223648_C001	Mean Sea Surface (1), Mean 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_220200427T223648_20200427T232622_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

6.5 P2P Measurement Confidence Data Check

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors:

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

30

29

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors:

30

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

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

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

Number of products with errors:

27

P2P Retracking Flags PLRM

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

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

Number of products with errors:

30