



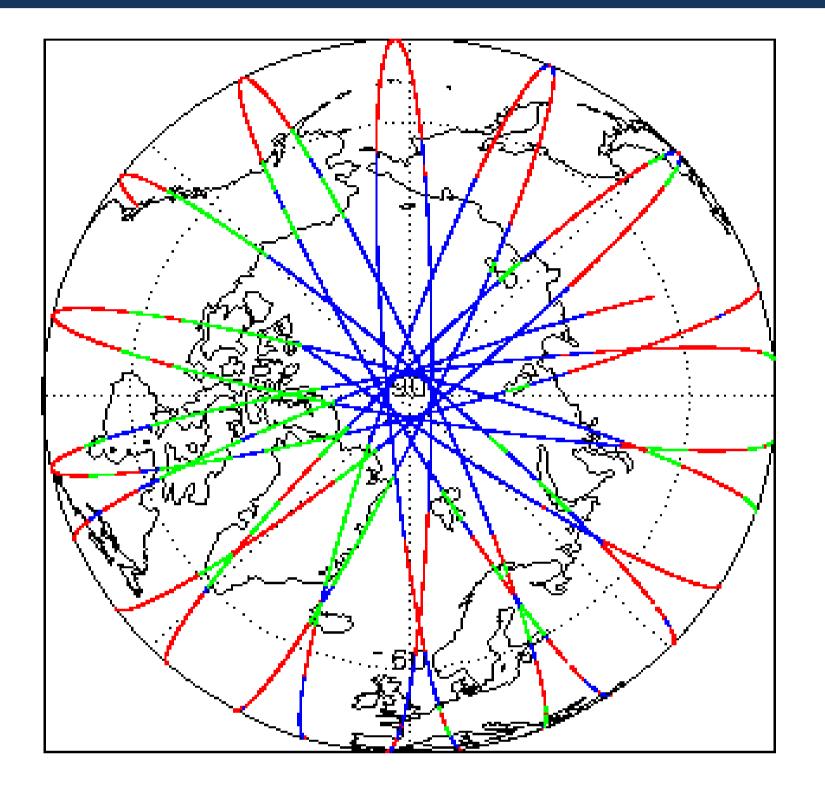
1. Overview

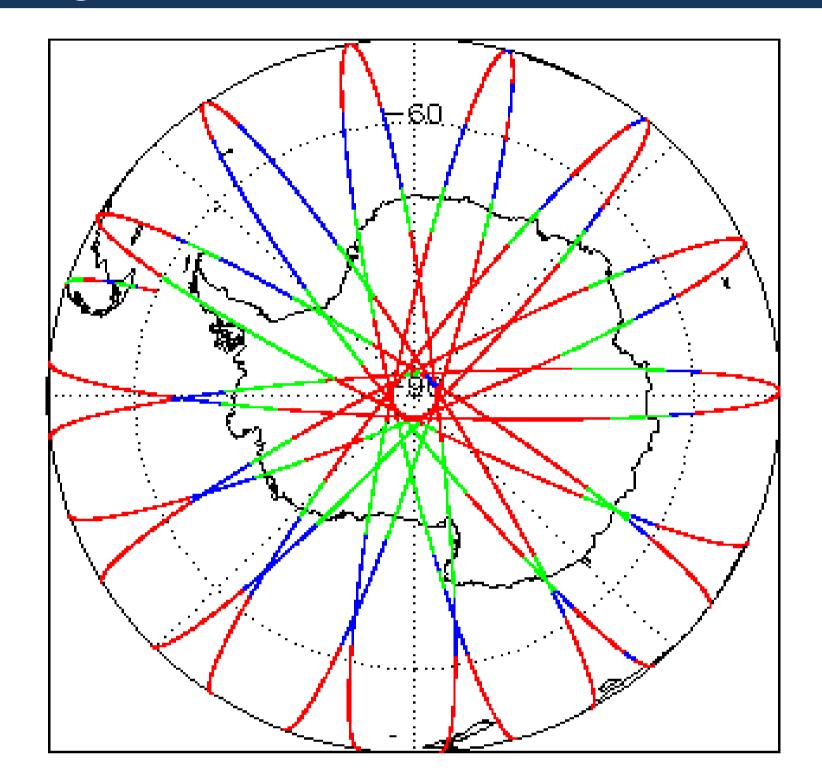
Report Production:	21-Jun-2021
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

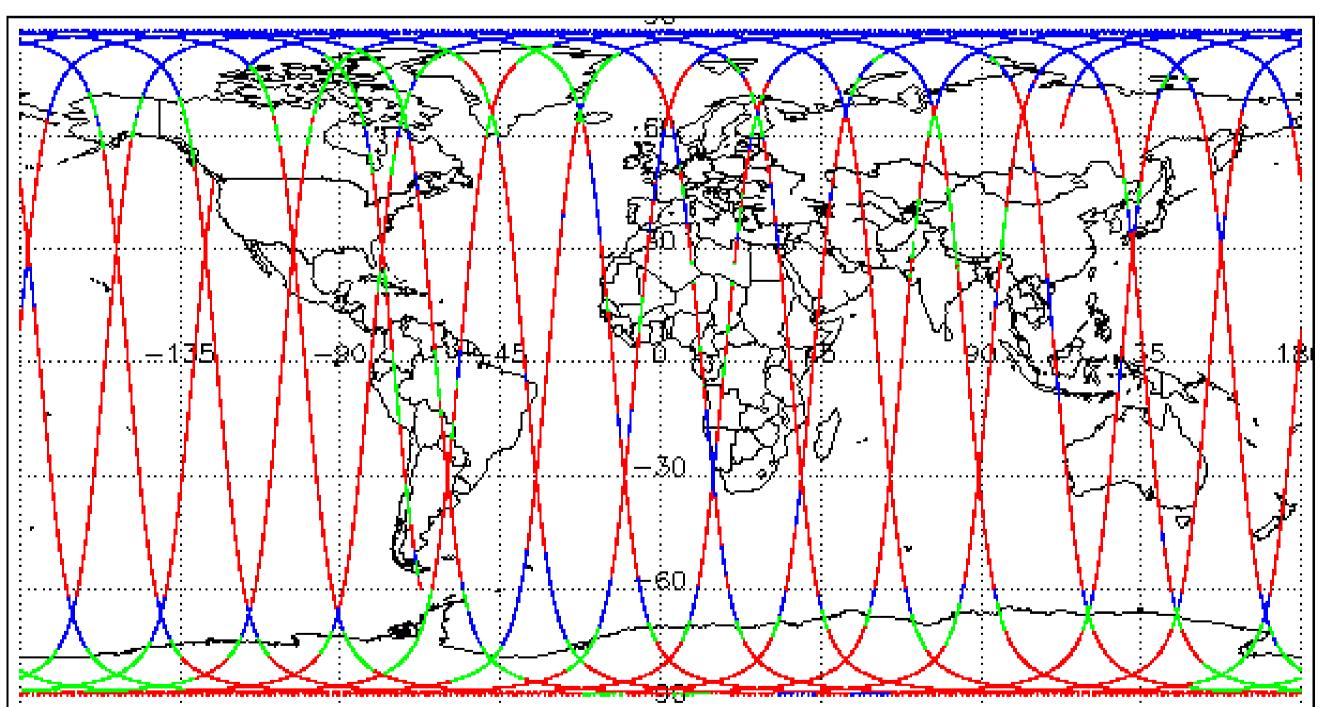
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.2	See Section 7.2

	Mission / Instrument News		
ſ	17-Jun-2021	SIRAL unavailability due to Orbit Control Manoeuvre on 17/06/2021 from 14:47:22 to 16:36:12	
	18-Jun-2021	None	
	19-Jun-2021	Nothing planned	

2. Global Coverage











3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
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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).

Number of products with errors:

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.

Number of products with errors:

0

0

0

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

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_20210618T024037_20210618T030336_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210618T101246_20210618T102313_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210618T003532_20210618T004044_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210618T104512_20210618T104637_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210618T171154_20210618T171252_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210618T202639_20210618T202730_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210618T202811_20210618T203222_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210618T234449_20210618T234749_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210618T234822_20210618T235033_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210618T022201_20210618T022807_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210618T045532_20210618T045844_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210618T102313_20210618T102458_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210618T135120_20210618T135847_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210618T182018_20210618T182627_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210618T223754_20210618T223957_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210618T234015_20210618T234118_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210618T234347_20210618T234449_C001	Loss of Echo	The tracking echo is missing for one or more records

5. **IOP** Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

0

0

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

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 Corection, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.

> Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.

> Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.

- > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210618T022807_20210618T022906_C001	Mean Sea Surface (1), Mean 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_20210618T003532_20210618T004044_C001	Mean Sea Surface (1), Mean 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_20210618T012523_20210618T012822_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_20210618T013452_20210618T013740_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_20210618T021532_20210618T021908_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_20210618T040340_20210618T040415_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_20210618T040530_20210618T040647_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_20210618T053137_20210618T053303_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_20210618T063109_20210618T063414_C001	Mean Sea Surface (1), Mean 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_20210618T080412_20210618T080719_C001	Mean Sea Surface (1), Mean 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_20210618T081010_20210618T081352_C001	Mean Sea Surface (1), Mean 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_20210618T094449_20210618T094723_C001	Mean Sea Surface (1), Mean 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_20210618T103958_20210618T104116_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_20210618T111945_20210618T112604_C001	Mean Sea Surface (1), Mean 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_20210618T121934_20210618T122141_C001	Mean Sea Surface (1), Mean 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_20210618T130212_20210618T130347_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_20210618T131241_20210618T131441_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_20210618T135847_20210618T140332_C001	Mean Sea Surface (1), Mean 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_20210618T145031_20210618T145301_C001	Mean Sea Surface (1), Mean 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_20210618T162129_20210618T162521_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period	Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20210618T180114_20210618T180427_C001	Mean Sea Surface (1), Mean 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_20210618T193836_20210618T194300_C001	Mean Sea Surface (1), Mean 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_20210618T202811_20210618T203222_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_20210618T212619_20210618T212806_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_20210618T221027_20210618T221128_C001	Mean Sea Surface (1), Mean 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_20210618T230427_20210618T230653_C001	Mean Sea Surface (1), Mean 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_20210618T234449_20210618T234749_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

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CS_OFFL_SIR_IOPN_2_20210618T234822_20210618T235033_C001	Mean Sea Surface (1), Mean 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_20210618T004044_20210618T004659_C001	Mean Sea Surface (1), Mean 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_20210618T021908_20210618T022201_C001	Mean Sea Surface (1), Mean 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_20210618T022201_20210618T022807_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_20210618T035601_20210618T040340_C001	Mean Sea Surface (1), Mean 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_20210618T053531_20210618T054202_C001	Mean Sea Surface (1), Mean 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_20210618T054202_20210618T054455_C001	Mean Sea Surface (1), Mean 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_20210618T071348_20210618T072102_C001	Mean Sea Surface (1), Mean 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_20210618T072102_20210618T072258_C001	Mean Sea Surface (1), Mean 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_20210618T085518_20210618T090000_C001	Mean Sea Surface (1), Mean 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_20210618T090000_20210618T090118_C001	Mean Sea Surface (1), Mean 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_20210618T103318_20210618T103841_C001	Mean Sea Surface (1), Mean 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_20210618T103841_20210618T103958_C001	Mean Sea Surface (1), Mean 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_20210618T121517_20210618T121934_C001	Mean Sea Surface (1), Mean 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_20210618T135059_20210618T135120_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_20210618T135120_20210618T135847_C001	Mean Sea Surface (1), Mean 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_20210618T153138_20210618T153920_C001	Mean Sea Surface (1), Mean 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_20210618T170156_20210618T170334_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_20210618T171252_20210618T172040_C001	Mean Sea Surface (1), Mean 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_20210618T185223_20210618T190141_C001	Mean Sea Surface (1), Mean 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_20210618T203223_20210618T204018_C001	Mean Sea Surface (1), Mean 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_20210618T221128_20210618T221657_C001	Mean Sea Surface (1), Mean 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_20210618T234016_20210618T234118_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_20210618T234347_20210618T234449_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	#N/A
CS_OFFL_SIR_IOPR_2_20210618T235033_20210618T235733_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check

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

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (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:

81

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210618T000921_20210618T001347_C001	3 1 1	The Ocean Altimeter Range, SSHA, SWH 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_20210618T002451_20210618T002833_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_20210618T010338_20210618T012359_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_20210618T012822_20210618T013226_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_20210618T013923_20210618T021323_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_20210618T021445_20210618T021532_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_20210618T024037_20210618T030336_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_20210618T030613_20210618T031140_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_20210618T031147_20210618T031512_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_20210618T031849_20210618T035106_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_20210618T041418_20210618T041452_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_20210618T041607_20210618T043540_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_20210618T043805_20210618T044303_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_20210618T044616_20210618T045420_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_20210618T045844_20210618T053137_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_20210618T061442_20210618T062154_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_20210618T062552_20210618T063109_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_20210618T063756_20210618T065922_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_20210618T070207_20210618T071229_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_20210618T072258_20210618T072741_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_20210618T074223_20210618T074813_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_20210618T075001_20210618T080027_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_20210618T080719_20210618T081010_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_20210618T081728_20210618T084328_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_20210618T084507_20210618T085345_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_20210618T090622_20210618T091313_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_20210618T091326_20210618T093747_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.

0.0 0.0 <th>CS_OFFL_SIR_IOPM_2_20210618T094723_20210618T094918_C001</th> <th>OCOG Altimeter Range Quality, OCOG Backscatter Quality</th> <th>The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.</th>	CS_OFFL_SIR_IOPM_2_20210618T094723_20210618T094918_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
 O. D. L. BH. LOPAL 2. 2014(1913)8641. AC13201 (1020) D011 or (15. BH. LOPAL 2. 2014(1913)8641. AC13201 (1020) D011 or (15. BH. LOPAL 2. 2014(1913)8641. AC13201 (1020) D011 Oreal, BH. LOPAL 2. 2014(191	CS_OFFL_SIR_IOPM_2_20210618T095137_20210618T095412_C001		
Sage Har, Jan John J. 202000 HI 10072, 202100 HI 10721, 202100 HI 10	CS_OFFL_SIR_IOPM_2_20210618T095644_20210618T100030_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DL_D-L_LEC_OPL_JECTIONENT TO ALLOY OF IN DOT_COST Contract Analyse and Sensetime Usably High have been and the analyse and sensetime Usably High have been and the analyse High have been and the	CS_OFFL_SIR_IOPM_2_20210618T100122_20210618T101239_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Cold Mark Study / Alfueld File Cold Rest (Cold Parket File) Sector Mark Study Sector Mark Study Sector Mark Study C5: CFTL_5R_UON_2_202104 CT14645_202164 ST11625_CCCC Don A trans Regs, SBA, SWA Mark Study, S	CS_OFFL_SIR_IOPM_2_20210618T101246_20210618T102313_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS. DFH. SR. OFK 2. 227-0618*10467. 20106487110223. 2011 An Harkschler Cubry, CODB and Harkschler Cubry, CODB CS. DFH. SR. OFK 2. 227-0618*10467. 202106111111466 2011 Obern AL year Rays, SSH, SWH The Code, AL year Rays, SSH, SWH CS. DFH. SR. OFK 2. 227-0618*10467. 202106111111466 2011 Obern AL year Rays, SSH, SWH The Code, AL year Rays, SSH, SWH CS. DFH. SR. OFK 2. 227-0618*10502 202105111111166 2011 Obern AL year Rays, SSH, SWH The Code, AL year Rays, SSH, SWH CS. DFH. SR. OFK 2. 227-0618*105012 2021051111111166 2011 Obern AL year Rays, SSH, SWH The Code, AL year Rays, SSH, SWH CS. DFHL SR. OFK 2. 227-0618*105012 202105111111111111111111111111111	CS_OFFL_SIR_IOPM_2_20210618T104116_20210618T104512_C001	0	
CB_OPEL_BRUCH_2_2021015111592_20210151111926_007 Init Decisional College Set Doce Affree Figure and SetSetsing College CB_OPEL_BRUCH_2_2021015111592_20210151111325_007 COOS Affree Reps College The Coos Affree Reps College CB_OPEL_BRUCH_2_2021015111593_20210151111325_007 COOS Affree Reps College The Coos Affree Reps College CB_OPEL_BRUCH_2_2021015111593_20210151111325_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_2021015111593_20210151111325_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_2021015111593_20210151111325_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_2021015111593_202101511112590_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_2021015111591_202101511112291_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_20210151112211_202101511112210_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_20210151112211_20210151111221_007 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_20210151111221_0071111551_202105 Coose Affree Reps College The Coose Affree Reps College CB_OPEL_BRUCH_2_20210151111221_0071111551_202105 Coose Affree Reps	CS_OFFL_SIR_IOPM_2_20210618T104637_20210618T110223_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Count Concent Concent County Databaseter Durly For the momenta county CS, CHEL, SH, LOPAL 2, X021201611112012, X02100111112012, X021001111, X0210011112012, X021001111, X02100111, X0210011, X021001, X0210011, X021001, X021001, X021001, X0210011, X021001, X0210011, X02100011, X021	CS_OFFL_SIR_IOPM_2_20210618T110842_20210618T111945_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C50 DFL SIX 10PK J 20210151111311 _20210516111522 Deep Allector Quely, DGD C51 DFL SIX 10PK J 20210515111315 _20210516111522 Deep Allector Page, SSIA, SWI C53 DFL SIX 10PK J 20210515111315 _20210516111522 Deep Allector Page, SSIA, SWI C53 DFL SIX 10PK J 2021051511122713 _2021051611122550 Deep Allector Page, SSIA, SWI C53 DFL SIX 10PK J 2021051511122713 _2021051611122550 Deep Allector Page, SSIA, SWI C53 DFL, SIX 10PK J 2021051511122713 _2021051611122574 _2021051611122574 _2021051611122574 _2021051611122574 _202105161112258 _2021051611122574 _202105161112258 _2021051611122574 _202105161112258 _2021051611122574 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _202105161112258 _2021051611122	CS_OFFL_SIR_IOPM_2_20210618T112859_20210618T113325_C001	C	
CS_OFFL_SR_JOPM_2_2021018111051_2021018111050_0001 and Besteater Quality, COOS and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range and Besteater Quality Flags have seen and besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range SIM, SVM and Besteater Quality Flags have seen Allineder Range	CS_OFFL_SIR_IOPM_2_20210618T113613_20210618T115011_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SR_JOPM_2_202106191122840_202106191123500_C001 and the DOGA Attracts Range and Backscatter Quality Flags have been at factscatter Quality Flags have	CS_OFFL_SIR_IOPM_2_20210618T115151_20210618T115520_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS OFFL_SIR_IOPM 2_202108181123713_202108181133032_2021 and Backcatter Quality_COCG and the accenter Quality_Flags have been Altimeter Range and Backcatter Quality_Flags have been and Backcatter Quality_COCG The OCCG Altimeter Range and Backsatter Quality_Flags have been and Backcatter Quality_Flags have been and Backcatter Quality_COCG CS OFFL_SIR_IOPM_2_202108181135882_202108181133882_2011 OCCGA Altimeter Range SiAk, SWH and Backsatter Quality_Flags have been and Backcatter Quality_Flags have been and Backcatter Quality_Flags have been and Backsatter Quality_Flags have been and ton or or nore records. <t< td=""><td>CS_OFFL_SIR_IOPM_2_20210618T122840_20210618T123550_C001</td><td>and Backscatter Quality, OCOG</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></t<>	CS_OFFL_SIR_IOPM_2_20210618T122840_20210618T123550_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DS_OPPE_SIR_UOPPE_2.20210618113049_20210618113241_2001 Backacater Quality for one or more records. CS_OPFE_SIR_UOPPE_2.202106181131588_20210618113366_2.001 Doesn Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the coord Attimeter Range, SSHA, SWH and Backacater Quality Flags have been at the coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at the Coord Attimeter Range, SSHA, SWH and Backacater Quality, Flags have been at t	CS_OFFL_SIR_IOPM_2_20210618T123713_20210618T130032_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_JOPM_2.202106181131538_20210618113538_20210618113538_20210618113538_202106181131538_202106181135330_202106181135330_202106181135330_202106181135330_202106181135330_202106181135330_202106181135330_202106181163110_C001 Ocean Alimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_202106181135330_20210618116310_C001 Ocean Alimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_202106181163154735_202106181163110_C001 Ocean Alimeter Range Cuality, COCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_202106181163110_C001 OCGA Alimeter Range Cuality, COCG Alimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20210618116310_C001 OCGA Alimeter Range AD Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20210618116330_202010618116310_C001 OCGA Alimeter Range AD Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_202106181116330_2020106181163042_C001 OCGA Alimeter Range AD Backscatter Quality Flags have been set for one or more record	CS_OFFL_SIR_IOPM_2_20210618T130347_20210618T131241_C001	• •	
CS_OFFL_SIR_IOPM_2_20210618T141620_20210618T143938_C001 and Backscatter Quality_COCG and the OCOG Altimeter Range and Backscatter Quality_Flags have been ast CS_OFFL_SIR_JOPM_2_20210618T144605_20210618T145031_C001 Backscatter Quality_COCG The OCOG Altimeter Range and Backscatter Quality_Flags have been ast CS_OFFL_SIR_JOPM_2_20210618T145451_20210618T152158_C001 Ocsan Altimeter Range, SSHA, SVH The OCOG Altimeter Range, SSHA, SVH CS_OFFL_SIR_JOPM_2_20210618T145451_20210618T152158_C001 Ocsan Altimeter Range, SSHA, SVH The Ocean Altimeter Range, SSHA, SVH CS_OFFL_SIR_JOPM_2_20210618T164551_20210618T16510_C001 Ocsan Altimeter Range, SSHA, SVH The Ocean Altimeter Range and Backscatter Quality Flags have been ast CS_OFFL_SIR_JOPM_2_20210618T16521_20210618T163110_C001 Ocsan Altimeter Range Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_JOPM_2_20210618T16523_20210618T165908_C001 Ocean Altimeter Range Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_JOPM_2_20210618T165304_020210618T165908_C001 Ocean Altimeter Range, SHA, SVH The Ocean Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_JOPM_2_20210618T17018_020210618T171124_C001 Ocean Altimeter Range, SHA, SVH The Ocean Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_JOPM_2_20210618T17018_020210618T175721_C001 Ocean Altime	CS_OFFL_SIR_IOPM_2_20210618T131538_20210618T133852_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_202106181144005_202106181162001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_202106181146451_202106181152168_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181154735_202106181161812_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181162521_202106181161812_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181162521_202106181163110_C001 OCOG Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_20210618116326_022106181163110_C001 OCOG Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181163340_202106181165908_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181171018_202106181171124_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181172348_202106181176721_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181180427_202106181176721_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_202106181180427_202106181180942_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SS	CS_OFFL_SIR_IOPM_2_20210618T141620_20210618T143938_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210618T145451_20210618T152158_C001 and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_20210618T164735_20210618T161812_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Fibe OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20210618T162521_20210618T163110_C001 OCOG Altimeter Range, Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_IOPM_2_20210618T16340_20210618T16300_C001 OCOG Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_20210618T16340_20210618T165908_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_20210618T171018_20210618T171124_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001 Ocean Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been altim	CS_OFFL_SIR_IOPM_2_20210618T144605_20210618T145031_C001	•	
CS_OFFL_SIR_IOPM_2_20210618T154735_20210618T161812_C001 and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210618T162521_20210618T163110_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_20210618T163340_20210618T165908_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T171018_20210618T171124_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T171018_20210618T171124_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001 Ocean Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T180942_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T182017_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T1	CS_OFFL_SIR_IOPM_2_20210618T145451_20210618T152158_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210618116234_202106181163110_0001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_202106181163340_202106181165908_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality The OCCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T182017_C001 OCOGA Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscat	CS_OFFL_SIR_IOPM_2_20210618T154735_20210618T161812_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210618T163340_20210618T165908_C001and Backscatter Quality, OCOG Atimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range. SSHA, SWH and Backscatter Quality. OCOG Attimeter Range and Backscatter QualityThe Ocean Altimeter Range. SSHA, SWH and the OCOG Altimeter Range and Backscatter QualityCS_OFFL_SIR_IOPM_2_20210618T171018_20210618T17124_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality. OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality. OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags hat the OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags hat the OCOG Altimeter Range and Backscatter Quality Flags hat the OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCO	CS_OFFL_SIR_IOPM_2_20210618T162521_20210618T163110_C001	c ,	
CS_OFFL_SIR_IOPM_2_20210618T171018_20210618T171124_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T180942_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T182017_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.The OCOG Altimeter Range, SSHA, SWH and backscatter Quality, OCOG for one or more records.CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T182017_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182657_001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGThe Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Ra	CS_OFFL_SIR_IOPM_2_20210618T163340_20210618T165908_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T180942_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T182017_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182017_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182657_20210618T182815_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGCS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182815_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	CS_OFFL_SIR_IOPM_2_20210618T171018_20210618T171124_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T180942_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T182017_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182815_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20210618T172348_20210618T175721_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T182017_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182815_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and Backscatter Quality, OCOGThe Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20210618T180427_20210618T180942_C001	• •	
CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182815_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20210618T181628_20210618T182017_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPM_2_20210618T182627_20210618T182815_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20210618T184659_20210618T185055_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_20210618T190141_20210618T191232_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_20210618T191518_20210618T193629_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_20210618T194300_20210618T194429_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_20210618T194436_20210618T194846_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_20210618T195317_20210618T200354_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_20210618T200517_20210618T201259_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_20210618T201354_20210618T201800_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_20210618T202415_20210618T202549_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_20210618T202549_20210618T202639_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_20210618T204018_20210618T204801_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_20210618T204940_20210618T211535_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_20210618T211801_20210618T212329_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_20210618T213432_20210618T214702_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_20210618T214735_20210618T220430_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_20210618T220840_20210618T221026_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_20210618T222813_20210618T223754_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_20210618T223957_20210618T225439_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_20210618T225729_20210618T230227_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_20210618T230305_20210618T230427_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_20210618T231132_20210618T232225_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_20210618T232229_20210618T232256_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_20210618T232829_20210618T234015_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_20210618T103958_20210618T104116_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210618T000239_20210618T000245_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_20210618T035601_20210618T040340_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_20210618T065922_20210618T070207_C001	G	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
US OFFE SIR IOPR 2 202106181110223 202106181110436 COUT	C P	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:

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20210618T000245_20210618T000344_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_20210618T000633_20210618T000921_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_20210618T001348_20210618T001850_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_20210618T003532_20210618T004044_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_20210618T005632_20210618T010017_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_20210618T013452_20210618T013740_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_20210618T021323_20210618T021445_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_20210618T021532_20210618T021908_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_20210618T023506_20210618T023705_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_20210618T030458_20210618T030613_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_20210618T031512_20210618T031633_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_20210618T035106_20210618T035601_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_20210618T040530_20210618T040647_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_20210618T045420_20210618T045532_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_20210618T053137_20210618T053303_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_20210618T054735_20210618T054858_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_20210618T055313_20210618T055330_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_20210618T055413_20210618T055557_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_20210618T060509_20210618T060626_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_20210618T062426_20210618T062552_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_20210618T074002_20210618T074223_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_20210618T080412_20210618T080719_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_20210618T081010_20210618T081352_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_20210618T085500_20210618T085518_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_20210618T090118_20210618T090450_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_20210618T094449_20210618T094723_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_20210618T094918_20210618T095137_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_20210618T095412_20210618T095544_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_20210618T102458_20210618T102707_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_20210618T103958_20210618T104116_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_20210618T110436_20210618T110453_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_20210618T111945_20210618T112604_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_20210618T121507_20210618T121517_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_20210618T122240_20210618T122509_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_20210618T122717_20210618T122840_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_20210618T134833_20210618T135005_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_20210618T140428_20210618T140550_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_20210618T144458_20210618T144605_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_20210618T145031_20210618T145301_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_20210618T162129_20210618T162521_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_20210618T170711_20210618T170834_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_20210618T170945_20210618T171018_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_20210618T172228_20210618T172348_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_20210618T180942_20210618T181055_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_20210618T183045_20210618T183103_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_20210618T193836_20210618T194300_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_20210618T194846_20210618T195005_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.

GS_OFFL_SIR_IOPN_2_202106187202211_20210618720222_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, The OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for OCOG Backscatter Quality GS_OFFL_SIR_IOPN_2_20210618723440_20210618723440_20210618723440_20210618723440_20210618723440_20210618723440_20210618723440_20210618723440_20210618723440_20210618723440_20
CS_OFFL_SIR_JOPN_2_202106187211640_202106187211601_C001 and Backscatter Quality PLEMA_CODE books and the Code Altimeter Range and Backscatter Quality PLEMA The OCOG Range and Backscatter Quality PLegs have been set for or o
CS_OFFL_SIR_IOPN_2_20210618122040_0016120040_0001 OCOG Backscatter Quality mere records. CS_OFFL_SIR_IOPN_2_202106187222453_202106187222618_C001 Cean Altimeter Range StAK SWH and the OCOG Altimeter Range and Backscatter Quality The OCean Altimeter Range. SHA, SWH and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPN_2_20210618723249_202106187232410_C001 OCOG Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_202106187232457_202106187232615_C001 OCOG Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_202106187232615_202106187232632_C001 OCOG Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_202106187232615_202106187232632_C001 OCOG Backscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_20210618723449_20210618723449_20210618723449_C001 OCOG Backscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_20210618723449_20210618723449_C001 OCOG Backscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_20210618723449_202106187044659_C001 OCOG Backscatter Quality PLRM. The OCOG Range and Backscatter Quality Flags h
CS_OFFL_SIR_IOPN_2_20210618T222463_20210618T222618_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T23249_20210618T232410_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T232457_20210618T232615_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T232615_20210618T232615_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T232615_20210618T232615_20210618T23262_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T234449_20210618T234749_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T024642_20210618T024659_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPR_2_20210618T004718_20210618T004756_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for of OCOG Altimeter Range and Backscatter Q
CS_OFFL_SIR_IOPN_2_20210618123249_202106181232410_C001 OCOG Backscatter Quality nore records. CS_OFFL_SIR_IOPN_2_202106187232657_202106187232615_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_202106187232615_202106187232632_0C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_20210618T034644_20210618T004659_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_20210618T004718_20210618T004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_20210618T004718_20210618T004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_2021061
CS_OFFL_SIR_IOPN_2_202106181232615_2021061812328015_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_202106187232615_202106187232829_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_202106187234822_202106187235033_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPN_2_20210618704044_202106187004659_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_202106187004044_202106187004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_202106187004718_202106187004756_C001 OCOG Altimeter Range Quality PLRM, OCOG OCOG Backscatter Quality PLRM, OCOG OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records. Cs_OFFL_SIR_IOPR_2_202106187002201_202106187022807_C001 OCOG Altimeter Range SHA, SWH and Backscatter Quality PLRM, OCOG Altime
CS_OFFL_SIR_IOPN_2_202106181232615_202106181232829_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_202106181234449_202106181234749_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T234822_20210618T235033_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for of more records. CS_OFFL_SIR_IOPN_2_20210618T004044_20210618T004659_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20210618T004044_20210618T004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20210618T004718_20210618T004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCOG Altimeter Range and Backsca
CS_OFFL_SIR_IOPN_2_202106181234449_202106181234749_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_202106187234822_202106187235033_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for omore records. CS_OFFL_SIR_IOPN_2_202106187004044_202106187004659_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 have been set for omore records. CS_OFFL_SIR_IOPR_2_202106187004718_202106187004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for omore records. CS_OFFL_SIR_IOPR_2_202106187004718_202106187004756_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for omore records. CS_OFFL_SIR_IOPR_2_202106187002201_202106187022807_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for omore records. Ocean Altimeter Range and Backscatter Quality Flags have been set for omore records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for omore records.
CS_OFFL_SIR_IOPN_2_202106181234822_202106181235033_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_20210618T004044_20210618T004659_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_IOPR_2_20210618T004718_20210618T004756_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_20210618T00271 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20210618T022201_20210618T022807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20210618T022201_20210618T022807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records.
CS_OFFL_SIR_IOPR_2_20210618T004044_20210618T004659_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ind Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20210618T004718_20210618T004756_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_20210618T022201_20210618T022807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_202106181004718_202106181004756_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_20210618T022201_20210618T022807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range Altimeter Range SSHA SWH
CS_OFFL_SIR_IOPR_2_20210618T022201_20210618T022807_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM PLRM Ocean Altimeter Range_SSHA_SWH and Backscatter Quality Flags have set for one or more records.
Ocean Altimeter Range, SSHA, SWH
CS_OFFL_SIR_IOPR_2_20210618T031633_20210618T031849_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records.
CS_OFFL_SIR_IOPR_2_20210618T035601_20210618T040340_C001 Ocean Altimeter Range, SSHA, SWH Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have blrm
CS_OFFL_SIR_IOPR_2_20210618T040648_20210618T040818_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG Backscatter Quality More records.
CS_OFFL_SIR_IOPR_2_20210618T044303_20210618T044451_C001 Ocean Altimeter Range, SSHA, SWH Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM
CS_OFFL_SIR_IOPR_2_20210618T053531_20210618T054202_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have PLRM
CS_OFFL_SIR_IOPR_2_20210618T054202_20210618T054455_C001 Ocean Altimeter Range, SSHA, SWH Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM PLRM
CS_OFFL_SIR_IOPR_2_20210618T054858_20210618T054947_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG Backscatter Quality More records.
CS_OFFL_SIR_IOPR_2_20210618T055557_20210618T055635_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG Backscatter Quality More records.
CS_OFFL_SIR_IOPR_2_20210618T061124_20210618T061425_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG Backscatter Quality More records.
CS_OFFL_SIR_IOPR_2_20210618T062154_20210618T062426_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have Altimeter Range and Backscatter Quality PLRM.
CS_OFFL_SIR_IOPR_2_20210618T063414_20210618T063756_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have bet for one or more records.
CS_OFFL_SIR_IOPR_2_20210618T071348_20210618T072102_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality FLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bet for one or more records.
CS_OFFL_SIR_IOPR_2_20210618T072102_20210618T072258_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality FLRM. OCOG Altimeter Range and Backscatter Quality FLRM.

CS_OFFL_SIR_IOPR_2_20210618T080027_20210618T080412_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_20210618T081353_20210618T081425_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_20210618T081457_20210618T081728_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_20210618T085518_20210618T090000_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_20210618T090000_20210618T090118_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_20210618T093747_20210618T094449_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_20210618T103318_20210618T103841_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_20210618T110223_20210618T110436_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_20210618T120658_20210618T120727_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_20210618T121330_20210618T121440_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_20210618T121517_20210618T121934_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_20210618T135120_20210618T135847_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_20210618T143938_20210618T144149_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_20210618T152924_20210618T153124_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_20210618T153138_20210618T153920_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_20210618T161812_20210618T162129_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_20210618T170156_20210618T170334_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_20210618T170835_20210618T170904_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_20210618T172144_20210618T172228_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_20210618T175721_20210618T180114_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_20210618T181056_20210618T181314_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_20210618T182018_20210618T182627_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_20210618T184413_20210618T184659_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_20210618T185055_20210618T185219_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_20210618T185223_20210618T190141_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_20210618T193629_20210618T193836_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_20210618T195006_20210618T195317_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_20210618T203223_20210618T204018_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_20210618T212806_20210618T213432_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_20210618T221128_20210618T221657_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_20210618T223754_20210618T223957_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_20210618T225440_20210618T225546_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_20210618T230653_20210618T230934_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:

200

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	s 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:	53
L2 Retracking Flags (20Hz, PLRM	1)
CryoSat L2 data includes an ocean retracking	g 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): The	his flag is currently set for products IOPR and IOPN products over sea ice, but this is to be expected.
Number of products with errors:	156
	6. IOP L2 Pole-to-Pole Data Quality Check
6.1 P2P Product Format Chec	k
Each product, retrieved and unpacked from t	he science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc).
Number of products with errors:	0
6.2 P2P Product Header Analy	'sis
For all products, a series of pre-defined chec	ks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.
Number of products with errors:	0
6.3 P2P Auxiliary Data File Us	age Check
Each product is checked for missing Data Se	et Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.
Number of products with errors:	0
6.4 P2P Auxiliary Correction E	rror Check
For all products, the auxiliary corrections with	nin the Geophysical Group are checked for the default error value (32767).
Currently, there are come common and	any correction arrors related in the Lovel 2 products which are expected due to surface type. All common flags are summarized in the list below

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 Corection, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.

> Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.

> Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.

> Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.

> Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220210617T235321_20210618T004257_C001	Mean Sea Surface (1), Mean 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_220210618T004257_20210618T013236_C001	Mean Sea Surface (1), Mean 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_220210618T013236_20210618T022212_C001	Mean Sea Surface (1), Mean 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_220210618T022212_20210618T031151_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_220210618T031151_20210618T040127_C001	Mean Sea Surface (1), Mean 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_220210618T040127_20210618T045106_C001	Mean Sea Surface (1), Mean 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_220210618T045106_20210618T054041_C001	Mean Sea Surface (1), Mean 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_220210618T054041_20210618T063020_C001	Mean Sea Surface (1), Mean 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_220210618T063020_20210618T071956_C001	Mean Sea Surface (1), Mean 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_220210618T071956_20210618T080935_C001	Mean Sea Surface (1), Mean 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_220210618T080935_20210618T085911_C001	Mean Sea Surface (1), Mean 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_220210618T085911_20210618T094849_C001	Mean Sea Surface (1), Mean 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_220210618T094849_20210618T103825_C001	Mean Sea Surface (1), Mean 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_220210618T103825_20210618T112804_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_220210618T112804_20210618T121740_C001	Mean Sea Surface (1), Mean 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_220210618T121740_20210618T130719_C001	Mean Sea Surface (1), Mean 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_220210618T130719_20210618T135655_C001	Mean Sea Surface (1), Mean 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_220210618T135655_20210618T144634_C001	Mean Sea Surface (1), Mean 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_220210618T144634_20210618T153609_C001	Mean Sea Surface (1), Mean 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_220210618T153609_20210618T162548_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period	Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_220210618T162548_20210618T171524_C001	Mean Sea Surface (1), Mean 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_220210618T171524_20210618T180503_C001	Mean Sea Surface (1), Mean 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_220210618T180503_20210618T185439_C001	Mean Sea Surface (1), Mean 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_220210618T185439_20210618T194418_C001	Mean Sea Surface (1), Mean 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_220210618T194418_20210618T203353_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_220210618T203353_20210618T212332_C001	Mean Sea Surface (1), Mean 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_220210618T212332_20210618T221308_C001	Mean Sea Surface (1), Mean 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_220210618T221308_20210618T230247_C001	Mean Sea Surface (1), Mean 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_220210618T230247_20210618T235223_C001		There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records

CS_OFFL_SIR_IOP_2__20210618T235223_20210619T004202_C001

Mean Sea Surface (1), Mean DynamicThere is an error with the MSS height (solution 1) and the Mean DynamicTopography (1)Topography height (solution 1)

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

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	om the L2 Quality Flags, please see Section 5.6 for the full list of products affected.
Number of products with errors:	29
P2P Quality Flags (20Hz PLRM)	
Since the P2P Quality Flags are copied directly from	om the L2 Quality Flags, please see Section 5.6 for the full list of products affected.
Number of products with errors:	30
P2P Quality Flags (1 Hz & 1Hz PLRM)	
Since the P2P Quality Flags are copied directly from	om 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 C	heck
	y flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.
Cryosat P2P data includes an ocean retracking quality	y flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.
Cryosat P2P data includes an ocean retracking quality	
Cryosat P2P data includes an ocean retracking quality Ocean Retracking Quality Flag (PLRM): This flag is Number of products with errors:	currently set for products IOPR and IOPN products over sea ice, but this is to be expected.
Cryosat P2P data includes an ocean retracking quality Ocean Retracking Quality Flag (PLRM): This flag is Number of products with errors: P2P Retracking Flags PLRM	currently set for products IOPR and IOPN products over sea ice, but this is to be expected.
Cryosat P2P data includes an ocean retracking quality Ocean Retracking Quality Flag (PLRM): This flag is Number of products with errors: P2P Retracking Flags PLRM CryoSat L2 data includes an ocean retracking quality	currently set for products IOPR and IOPN products over sea ice, but this is to be expected.
Ocean Retracking Quality Flag (PLRM): This flag is Number of products with errors: P2P Retracking Flags PLRM CryoSat L2 data includes an ocean retracking quality	s currently set for products IOPR and IOPN products over sea ice, but this is to be expected. 26 flag for each 20-Hz PLRM measurement record. The bit value of this flag indicates any problems when set.

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

	e No	o. Products	No. QCC Reports	No. Valid	No. W	arnings	No. Errors		
SIR_IOPM1E	3	159	159	2		157	0		
SIR_IOPR1E	3	114	109	2		107	0		
SIR_IOPN1E	3	109	114	0		114	0		
SIR_IOPM_2	2	159	159	106		53	0		
SIR_IOPR_2	2	114	109	41		68	0		
SIR_IOPN_2	2	109	114	28		86	0		
SIR_IOP_P2I	P	29	29	0		29	0		
7.1 QCC Errors	1 QCC Errors								
Number of QCC repo	rts with errors:	0							
7.2 QCC Warni	nas								
Number of QCC repo	rts with warnings	2269							
	-		Total num	ber of occurrences of ea	ch warning				
Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRM	INCERBSZOPOEPNCDF		
	457	0	0	0	0	0	0		
SIR_IOPM1B	157	0	0	0	0	0	0		
SIR_IOPM1B SIR_IOPM_2	0	39	42	0	41	0	34		
		39 0	42 0	0 0 0	0 41 0	0 0 0	0 34 0		
SIR_IOPM_2	0	39 0 6	42 0 38	0 0 0 3	41 0 27	0 0 0 27	0 34 0 20		
SIR_IOPM_2 SIR_IOPN1B	0	0 39 0 6 0	0	0 0 0 3 0	0 41 0 27 0	0 0 0 27 0	0		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2	0 105 0	0 39 0 6 0 40	0	0 0 0 3 0 2	41 0 27 0 42	0 0 27 0 35	0		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B	0 105 0 111	0 6 0	0 38 0	0 0 3 0 2	41 0 27 0 42	0 0 27 0	0 20 0		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B	0 105 0 111	0 6 0	0 38 0 48	0 0 3 0 2 CRPEPOPFDPLRMSINNCD		0 0 27 0	0 20 0 24		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2	0 105 0 111 0	0 6 0 40	0 38 0 48	0 0 3 0 2 2 CE RPEPOPFDPLRMSINNCD 0		0 0 27 0 35	0 20 0 24		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 Product Type	0 105 0 111 0 RNELPOTONCDF	0 6 0 40	0 38 0 48	0 0 3 0 2 2 ERPEPOPFDPLRMSINNCD 0 0		0 0 27 0 35	0 20 0 24		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 Product Type SIR_IOPM1B	0 105 0 111 0 RNELPOTONCDF	0 6 0 40 RPEPOPFDLRMNCDF 0	0 38 0 48	0 0 0 3 0 2 2 CE RPEPOPFDPLRMSINNCD 0 0 0		0 0 27 0 35	0 20 0 24		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 Product Type SIR_IOPM1B SIR_IOPM_2	0 105 0 111 0 RNELPOTONCDF 0 2	0 6 0 40 RPEPOPFDLRMNCDF 0	0 38 0 48	0 0 3 0 2 2 ERPEPOPFDPLRMSINNCD 0 0 0 0 2 6		0 0 27 0 35	0 20 0 24		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 Product Type SIR_IOPM1B SIR_IOPM1B SIR_IOPM1B	0 105 0 111 0 RNELPOTONCDF 0 2	0 6 0 40 RPEPOPFDLRMNCDF 0	0 38 0 48	0 0 0 0		0 0 27 0 35	0 20 0 24		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 Product Type SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN_2	0 105 0 111 0 RNELPOTONCDF 0 2	0 6 0 40 RPEPOPFDLRMNCDF 0	0 38 0 48	0 0 0 0		0 0 27 0 35	0 20 0 24		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 SIR_IOPM2 SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B	0 105 0 111 0 0 RNELPOTONCDF 0 2 0 2 0 2 0 2 0	0 6 0 40 RPEPOPFDLRMNCDF 0	0 38 0 48 RPEPOPFDPLRMSARNO 0 0	0 0 0 0	RPEPOPFDSARNCDF000000000	0 0 27 0 35	0 20 0 24		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 SIR_IOPM2 SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B	0 105 0 111 0 0 RNELPOTONCDF 0 2 0 2 0 2 0 2 0	0 6 0 40 RPEPOPFDLRMNCDF 0	0 38 0 48 RPEPOPFDPLRMSARNO 0 0	0 0 0 0	RPEPOPFDSARNCDF000000000	0 0 27 0 35	0 20 0 24		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 SIR_IOPM1B SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B SIR_IOPR1B SIR_IOPR2	0 105 0 111 0 0 RNELPOTONCDF 0 2 0 2 0 2 0 2 0 2 0 8	0 6 0 40 40 0 33 0 0 0 0 0 0 0 0 0 0 0 0	0 38 0 48 RPEPOPFDPLRMSARNO 0 0 0 0 0 0 0 0 0 0 54	0 0 0 26 0 0	RPEPOPFDSARNCDF 0 0 0 0 0 0 59	0 0 27 0 35 RPEPOPFDSINNCDF 0 0 0 35	0 20 0 24 RPEPOPLRMNCDF 0 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 SIR_IOPM1B SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B SIR_IOPR1B SIR_IOPR12 SIR_IOPR1B	0 105 0 111 0 KNELPOTONCDF 0 0 2 0 2 0 2 0 8	0 6 0 40 40 0 33 0 0 0 0 0 0 0 0 0 0 0 0	0 38 0 48 RPEPOPFDPLRMSARNO 0 0 0 0 0 0 0 0 0 0 54	0 0 0 26 0 0	RPEPOPFDSARNCDF 0 0 0 0 0 0 59	0 0 27 0 35 RPEPOPFDSINNCDF 0 0 0 35	0 20 0 24 RPEPOPLRMNCDF 0 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN1B SIR_IOPR1B SIR_IOPR1B SIR_IOPR1B SIR_IOPR1B SIR_IOPR1B	0 105 0 111 0 KNELPOTONCDF 0 0 2 0 2 0 2 0 8	0 6 0 40 40 0 33 0 0 0 0 0 0 0 0 0 0 0 0	0 38 0 48 RPEPOPFDPLRMSARNO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 54	0 0 0 26 0 0	RPEPOPFDSARNCDF 0 0 0 0 0 0 59	0 0 27 0 35 RPEPOPFDSINNCDF 0 0 0 35	0 20 0 24 RPEPOPLRMNCDF 0 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B SIR_IOPR_2 SIR_IOPM1B SIR_IOPM1B SIR_IOPN1B SIR_IOPN1B SIR_IOPN2 SIR_IOPR1B SIR_IOPR1B SIR_IOPR2 SIR_IOPR2	0 105 0 111 0 RNELPOTONCDF 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 8	0 6 0 40 40 0 33 0 0 0 0 0 0 0 0 0 0 0 0	0 38 0 48 RPEPOPFDPLRMSARNO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 54	0 0 0 26 0 0	RPEPOPFDSARNCDF 0 0 0 0 0 0 59	0 0 27 0 35 RPEPOPFDSINNCDF 0 0 0 35	0 20 0 24 RPEPOPLRMNCDF 0 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
SIR_IOPM_2 SIR_IOPN1B SIR_IOPR1B SIR_IOPR12 SIR_IOPR_2 SIR_IOPM1B SIR_IOPM12 SIR_IOPN1B SIR_IOPN1B SIR_IOPR1B SIR_IOPR1B SIR_IOPR1B SIR_IOPR2 SIR_IOPR1B SIR_IOPR1B	0 105 0 111 0 RNELPOTONCDF 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 8	0 6 0 40 8 8 9 0 33 0 33 0 <	0 38 0 48 RPEPOPFDPLRMSARNO 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 54	0 0 0 26 0 0 0 0 RSSHAOFDNCDF 0 31 0	RPEPOPFDSARNCDF 0 0 0 0 0 0 59	0 0 27 0 35 RPEPOPFDSINNCDF 0 0 0 35	0 20 0 24 RPEPOPLRMNCDF 0 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-
SIR_IOPM1B	0	0	1	0	0	0	
SIR_IOPM_2	0	2	1	0	0	0	
SIR_IOPN1B	0	0	0	0	51	2	
SIR_IOPN_2	28	16	0	2	0	0	
SIR_IOPR1B	0	0	0	0	114	4	
SIR_IOPR_2	53	1	0	2	0	0	

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR_IOP_2_	12	29	29	5	29	18	29

Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_IOP_2_	7	18	29	26	21	29	19

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-
SIR_IOP_2_	20	29	20	14	29		

Product Type -	-	-	-	-	-	-
SIR_IOP_2_						

Test Description Key:		
Abbreviation	Test name	Details
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports: