

1. Overview

Report Production:	09-May-2023
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

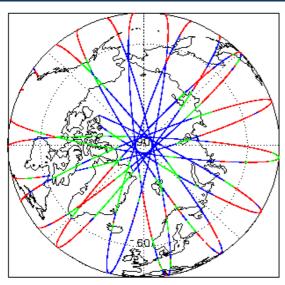
We would love to hear from you!

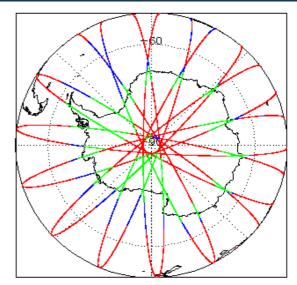
Please let us know your feedback about these daily quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com

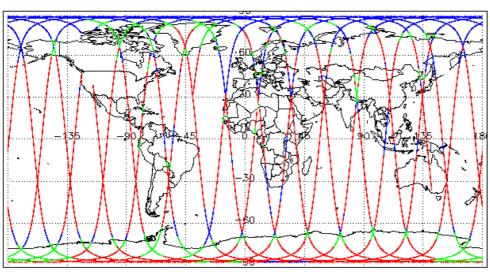
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1 and 7.2

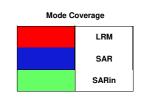
Mission / Instru	ment News
03-May-2023	None
04-May-2023	None
05-May-2023	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

Number of products with errors:

(

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

0

4.6 L1B Waveform Group Data Check

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

Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected. The table provides the full list of products flagged.

Number of products with errors:

17

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20230504T104038_20230504T111244_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230504T011658_20230504T012241_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230504T084226_20230504T084339_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230504T093523_20230504T093940_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230504T102451_20230504T102857_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230504T134113_20230504T134408_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230504T202900_20230504T202927_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230504T003515_20230504T003630_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230504T014705_20230504T014822_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230504T021239_20230504T021604_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230504T070927_20230504T071718_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230504T084745_20230504T084835_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230504T084907_20230504T090029_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230504T133717_20230504T133808_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230504T201644_20230504T202708_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230504T202858_20230504T202900_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230504T220608_20230504T220847_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

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

Number of products with errors:

Product

66

Test Failed Description

CS_OFFL_SIR_IOPM_2_20230504T010517_20230504T011658_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPM_2_20230504T034637_20230504T034740_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPM_2_20230504T065721_20230504T065835_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPM_2_20230504T190232_20230504T191040_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_20230504T002941_20230504T003119_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20230504T003632_20230504T003752_C001	Mean Sea Surface (1), Mean 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_20230504T011658_20230504T012241_C001	Mean Sea Surface (1), Mean 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_20230504T021105_20230504T021155_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20230504T021604_20230504T021814_C001	Mean Sea Surface (1), Mean 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_20230504T025848_20230504T030027_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20230504T030913_20230504T031122_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20230504T035058_20230504T035142_C001	Mean Sea Surface (1), Mean 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_20230504T035518_20230504T040004_C001	Mean Sea Surface (1), Mean 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_20230504T052925_20230504T053059_C001	Mean Sea Surface (1), Mean 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_20230504T053402_20230504T053509_C001	Mean Sea Surface (1), Mean 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_20230504T061801_20230504T062154_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20230504T070832_20230504T070927_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20230504T075749_20230504T080101_C001	Mean Sea Surface (1), Mean 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_20230504T084226_20230504T084339_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20230504T093523_20230504T093940_C001	Mean Sea Surface (1), Mean 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_20230504T094518_20230504T094641_C001	Mean Sea Surface (1), Mean 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_20230504T112301_20230504T112447_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20230504T120700_20230504T120753_C001	Mean Sea Surface (1), Mean 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_20230504T130103_20230504T130448_C001	Mean Sea Surface (1), Mean 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_20230504T134113_20230504T134408_C001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOPN_2_20230504T134456_20230504T134708_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_20230504T143113_20230504T143319_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20230504T144002_20230504T144434_C001	Mean Sea Surface (1), Mean 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_20230504T152140_20230504T152532_C001	Mean Sea Surface (1), Mean 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_20230504T152549_20230504T152658_C001	Mean Sea Surface (1), Mean 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_20230504T161128_20230504T161402_C001	Mean Sea Surface (1), Mean 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_20230504T162121_20230504T162304_C001	Mean Sea Surface (1), Mean 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_20230504T180023_20230504T180157_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20230504T193718_20230504T194037_C001	Mean Sea Surface (1), Mean 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_20230504T210948_20230504T211106_C001	Mean Sea Surface (1), Mean 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_20230504T211615_20230504T211926_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20230504T225043_20230504T225320_C001	Mean Sea Surface (1), Mean 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_20230504T225519_20230504T230051_C001	Mean Sea Surface (1), Mean 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_20230504T233858_20230504T234043_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20230504T234611_20230504T235059_C001	Mean Sea Surface (1), Mean 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_20230504T003119_20230504T003515_C001	Mean Sea Surface (1), Mean 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_20230504T003515_20230504T003630_C001	Mean Sea Surface (1), Mean 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_20230504T021155_20230504T021239_C001	Mean Sea Surface (1), Mean 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_20230504T021239_20230504T021604_C001	Mean Sea Surface (1), Mean 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_20230504T035143_20230504T035518_C001	Mean Sea Surface (1), Mean 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_20230504T053100_20230504T053402_C001	Mean Sea Surface (1), Mean 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_20230504T053509_20230504T053548_C001	Mean Sea Surface (1), Mean 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_20230504T065836_20230504T070014_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20230504T070927_20230504T071718_C001	Mean Sea Surface (1), Mean 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_20230504T084046_20230504T084226_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20230504T084907_20230504T090029_C001	Mean Sea Surface (1), Mean 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_20230504T102857_20230504T103603_C001	Mean Sea Surface (1), Mean 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_20230504T120753_20230504T121334_C001	Mean Sea Surface (1), Mean 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_20230504T134708_20230504T135242_C001	Mean Sea Surface (1), Mean 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_20230504T152532_20230504T152549_C001	Mean Sea Surface (1), Mean 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_20230504T152658_20230504T153048_C001	Mean Sea Surface (1), Mean 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_20230504T170329_20230504T171252_C001	Mean Sea Surface (1), Mean 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_20230504T184131_20230504T184827_C001	Mean Sea Surface (1), Mean 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_20230504T185820_20230504T190008_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20230504T201644_20230504T202708_C001	Mean Sea Surface (1), Mean 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_20230504T202708_20230504T202832_C001	Mean Sea Surface (1), Mean 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_20230504T215917_20230504T220608_C001	Mean Sea Surface (1), Mean 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_20230504T220608_20230504T220847_C001	Mean Sea Surface (1), Mean 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_20230504T234044_20230504T234500_C001	Mean Sea Surface (1), Mean 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_20230504T234500_20230504T234611_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

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

Number of products with errors: 0

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20230503T235853_20230504T000902_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_20230504T000904_20230504T002011_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_20230504T002749_20230504T002750_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_20230504T003752_20230504T004201_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_20230504T004324_20230504T004600_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_20230504T004634_20230504T005705_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20230504T010517_20230504T011658_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_20230504T012241_20230504T012507_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_20230504T012536_20230504T012959_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_20230504T013152_20230504T014642_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_20230504T014822_20230504T020341_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_20230504T022516_20230504T022830_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_20230504T023348_20230504T023901_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20230504T024052_20230504T025743_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_20230504T030027_20230504T030912_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_20230504T031129_20230504T033349_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_20230504T041257_20230504T043645_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20230504T044238_20230504T044705_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_20230504T045025_20230504T051525_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20230504T054429_20230504T054701_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_20230504T054827_20230504T061556_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_20230504T062154_20230504T062744_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_20230504T062921_20230504T064411_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

Backscatter Quality Backscatter (Quality) Backscatter (Quality) Backscatter (Quality) CS_OFFI_SIR_IOPM_2_202365041070055_202365041070746_0001 CS_OFFI_SIR_IOPM_2_202365041070055_202365041070746_0001 CS_OFFI_SIR_IOPM_2_202365041070051_202365041070746_0001 CS_OFFI_SIR_IOPM_2_202365041070010_202365041080016_0001 CS_OFFI_SIR_IOPM_2_20236504108001_202365041080016_0001 CS_OFFI_SIR_IOPM_2_20236504108001_202365041080016_0001 CS_OFFI_SIR_IOPM_2_20236504108001_202365041080016_0001 CS_OFFI_SIR_IOPM_2_20236504108001_202365041080016_0001 CS_OFFI_SIR_IOPM_2_202365041080001_202365041080016_0001 CS_OFFI_SIR_IOPM_2_202365041080001_202365041080016_0001 CS_OFFI_SIR_IOPM_2_202365041080001_202365041081086_0001 CS_OFFI_SIR_IOPM_2_202365041080001_202365041081086_0001 CS_OFFI_SIR_IOPM_2_202365041080001_202365041081086_0001 CS_OFFI_SIR_IOPM_2_202365041080001_202365041081086_0001 CS_OFFI_SIR_IOPM_2_202365041080001_202365041081086_0001 CS_OFFI_SIR_IOPM_2_202365041080001_202365041081086_0001 CS_OFFI_SIR_IOPM_2_202365041080001_202365041080401_0001 CS_OFFI_SIR_IOPM_2_202365041080001_202365041080401_0001 CS_OFFI_SIR_IOPM_2_202365041080001_2022365041080401_0001 CS_OFFI_SIR_IOPM_2_202365041080401_0001 CS_OFFI_SIR_IOPM_2_202365041000101_202365041094100_0001 CS_OFFI_SIR_IOPM_2_202365041000101_202365041000401_0001 CS_OFFI_SIR_IOPM_2_202365041000101_202365041000000_0001 CS_OFFI_SIR_IOPM_2_202365041000101_202365041000000_0001 CS_OFFI_SIR_IOPM_2_202365041000101_202365041100000_0001 CS_OFFI_SIR_IOPM_2_202365041100101_202365041100000_0001 CS_OFFI_SIR_IOPM_2_202365041100101_202365041100000_0001 CS_OFFI_SIR_IOPM_2_20236504110010000000000000000000000000000000	Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CB_OFFL_SIR_IOPM_2_RECONSTITUTION_COLD Alternate Pages_ASSIA_SWI Alte	GS_OFFL_SIR_IOPM_2_20230504T07051_20230504T070745_0001 GS_OFFL_SIR_IOPM_2_20230504T072017_20230504T075459_0001 GS_OFFL_SIR_IOPM_2_20230504T080101_20230504T080616_0001 GS_OFFL_SIR_IOPM_2_20230504T080101_20230504T0806616_0001 GS_OFFL_SIR_IOPM_2_20230504T080807_20230504T081059_0001 GS_OFFL_SIR_IOPM_2_20230504T080807_20230504T081059_0001 GS_OFFL_SIR_IOPM_2_20230504T080807_20230504T081059_0001 GS_OFFL_SIR_IOPM_2_20230504T081259_20230504T081059_0001 GS_OFFL_SIR_IOPM_2_20230504T081259_20230504T081554_0001 GS_OFFL_SIR_IOPM_2_20230504T080309_20230504T081554_0001 GS_OFFL_SIR_IOPM_2_20230504T0803940_20230504T081403_0001 GS_OFFL_SIR_IOPM_2_20230504T0803940_20230504T094103_0001 GS_OFFL_SIR_IOPM_2_20230504T094111_20230504T094518_0001 GS_OFFL_SIR_IOPM_2_20230504T094721_20230504T10024_0001 GS_OFFL_SIR_IOPM_2_20230504T094721_20230504T10024_0001 GS_OFFL_SIR_IOPM_2_20230504T100212_20230504T100300_0001 GS_OFFL_SIR_IOPM_2_20230504T100212_20230504T100300_0001 GS_OFFL_SIR_IOPM_2_20230504T100116_20230504T10047_0001 GS_OFFL_SIR_IOPM_2_20230504T100116_20230504T10047_0001 GS_OFFL_SIR_IOPM_2_20230504T100116_20230504T101047_0001 GS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101047_0001 GS_OFFL_SIR_IOPM_2_20230504T104038_20230504T111244_0001 GS_OFFL_SIR_IOPM_2_20230504T104038_20230504T111244_0001 GS_OFFL_SIR_IOPM_2_20230504T104038_20230504T111244_0001 GS_OFFL_SIR_IOPM_2_20230504T111140_20230504T11030_0001 GS_OFFL_SIR_IOPM_2_20230504T111140_20230504T1112016_0001 GS_OFFL_SIR_IOPM_2_20230504T1111104_20230504T112016_0001 GS_OFFL_SIR_IOPM_2_20230504T1121617_20230504T112016_0001 GS_OFFL_SIR_IOPM_2_20230504T1121617_20230504T112016_0001 GS_OFFL_SIR_IOPM_2_20230504T1121617_20230504T112016_0001 GS_OFFL_SIR_IOPM_2_20230504T1121617_20230504T112016_0001 GS_OFFL_SIR_IOPM_2_20230504T1121617_20230504T112016_0001 GS_OFFL_SIR_IOPM_2_20230504T1121617_20230504T1125001_0001 GS_OFFL_SIR_IOPM_2_20230504T1125402_20230504T1125001_0001 GS_OFFL_SIR_IOPM_2_20230504T1125402_20230504T1125001_0001 GS_OFFL_SIR_IOPM_2_20230504T1125402_20230	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
12 12 12 12 12 12 12 12	And Backscatter Quality OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range (S) OFFL_SIR_IOPM_2_20230504T08007_20230504T08009_20001 CS_OFFL_SIR_IOPM_2_20230504T080007_20230504T081059_C001 CS_OFFL_SIR_IOPM_2_20230504T080007_20230504T081059_C001 CS_OFFL_SIR_IOPM_2_20230504T081259_20230504T081554_C001 CS_OFFL_SIR_IOPM_2_20230504T081259_20230504T081554_C001 CS_OFFL_SIR_IOPM_2_20230504T090029_20230504T083047_C001 CS_OFFL_SIR_IOPM_2_20230504T090029_20230504T083047_C001 CS_OFFL_SIR_IOPM_2_20230504T090029_20230504T093047_C001 CS_OFFL_SIR_IOPM_2_20230504T090029_20230504T094103_C001 CS_OFFL_SIR_IOPM_2_20230504T090029_20230504T094103_C001 CS_OFFL_SIR_IOPM_2_20230504T090029_20230504T094103_C001 CS_OFFL_SIR_IOPM_2_20230504T0904721_20230504T0904518_C001 CS_OFFL_SIR_IOPM_2_20230504T0904721_20230504T100024_C001 CS_OFFL_SIR_IOPM_2_20230504T0904721_20230504T100024_C001 CS_OFFL_SIR_IOPM_2_20230504T0904721_20230504T100024_C001 CS_OFFL_SIR_IOPM_2_20230504T100212_20230504T100030_C001 CS_OFFL_SIR_IOPM_2_20230504T10016_20230504T10047_C001 CS_OFFL_SIR_IOPM_2_20230504T10016_20230504T10047_C001 CS_OFFL_SIR_IOPM_2_20230504T10038_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T10038_20230504T111244_C001 CS_OFFL_SIR_IOPM_2_20230504T1104038_20230504T111200_C001 CS_OFFL_SIR_IOPM_2_20230504T1111440_20230504T111200_C001 CS_OFFL_SIR_IOPM_2_20230504T1111440_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1113104_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1113104_20230504T112008_C001 CS_OFFL_SIR_IOPM_2_20230504T112033_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T112033_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T112303_20230504T122007_C001 CS_OFFL_SIR_IOPM_2_20230504T112303_20230504T122007_C001 CS_OFFL_SIR_IOPM_2_20230504T112303_20230504T122007_C001 CS_OFFL_SIR_IOPM_2_20230504T112303_20230504T125007_C001 CS_OFFL_SIR_IOPM_2_20230504T122303_20230504T125007_C001 CS_OFFL_SIR_IOPM_2_20230504T122303_20230504T125007_C001 CS_OFFL_SIR_IOPM_2_20230504T122303_20230504T125007_C001 CS_OFFL_SIR_IO	and the OCOG Altimeter Range and Backscatter Quality Flags have been
September (2014) Deep Allinear Rapp, SSHA, SWH and Bookeanter Quality Flags and Bedecater Quality Flags and Bedec	Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCOD Alternet Flarge and Backecater Quality (1967) CS_OFFL_SIR_OPM_2_20230504T081292_20230504T081554_C001 CS_OFFL_SIR_OPM_2_20230504T081292_20230504T081554_C001 CS_OFFL_SIR_OPM_2_20230504T080282_20230504T081554_C001 CS_OFFL_SIR_OPM_2_20230504T080282_20230504T081554_C001 CS_OFFL_SIR_OPM_2_20230504T080282_20230504T081520_C001 CS_OFFL_SIR_OPM_2_20230504T080282_20230504T081520_C001 CS_OFFL_SIR_OPM_2_20230504T080282_20230504T081520_C001 CS_OFFL_SIR_OPM_2_20230504T080282_20230504T081520_C001 CS_OFFL_SIR_OPM_2_20230504T080482_20230504T081520_C001 CS_OFFL_SIR_OPM_2_20230504T100112_20230504T080615_C001 CS_OFFL_SIR_OPM_2_20230504T100112_20230504T080615_C001 CS_OFFL_SIR_OPM_2_20230504T100112_20230504T08060_C001 CS_OFFL_SIR_OPM_2_20230504T100112_20230504T10024_C001 CS_OFFL_SIR_OPM_2_20230504T100112_20230504T101047_C001 CS_OFFL_SIR_OPM_2_20230504T101012_20230504T101047_C001 CS_OFFL_SIR_OPM_2_20230504T101016_20230504T101047_C001 CS_OFFL_SIR_OPM_2_20230504T102407_C001 CS_OFFL_SIR_OPM_2_20230504T102407_C001 CS_O	GS_OFFL_SIR_JOPM_2_20230504T080807_20230504T081059_0001 Allimeter Range and Backscatter Quality, OCOG Allimeter Range and Backscatter Quality (CS_OFFL_SIR_JOPM_2_20230504T08029_20230504T081554_C001) CS_OFFL_SIR_JOPM_2_20230504T090029_20230504T083407_C001 CS_OFFL_SIR_JOPM_2_20230504T093940_20230504T094103_C001 CS_OFFL_SIR_JOPM_2_20230504T093940_20230504T094103_C001 CS_OFFL_SIR_JOPM_2_20230504T094111_20230504T094518_C001 CS_OFFL_SIR_JOPM_2_20230504T094721_20230504T094518_C001 CS_OFFL_SIR_JOPM_2_20230504T094721_20230504T100024_C001 CS_OFFL_SIR_JOPM_2_20230504T100212_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100212_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100212_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100212_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100212_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100212_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T100930_C001 CS_OFFL_SIR_JOPM_2_20230504T1111440_C00230504T111244_C001 CS_OFFL_SIR_JOPM_2_20230504T111440_C00230504T112003_C001 CS_OFFL_SIR_JOPM_2_20230504T1111440_C00230504T112003_C001 CS_OFFL_SIR_JOPM_2_20230504T1113104_20230504T112003_C001 CS_OFFL_SIR_JOPM_2_20230504T112031_C001 CS_OFFL_SIR_JOPM_2_20230504T112031_C001 CS_OFFL_SIR_JOPM_2_20230504T112033_C001 CS_OFFL_SIR_JOPM_2_20230504T112033_C001 CS_OFFL_SIR_JOPM_2_20230504T112033_C001 CS_OFFL_SIR_JOPM_2_20230504T112033_C001 CS_OFFL_SIR_JOPM_2_20230504T112033_C001 CS_OFFL_SIR_JOPM_2_20230504T112033_C001 CS_OFFL_SIR_JOPM_2_20230504T112033_C003504T112030_C001 CS_OFFL_SIR_JOPM_2_20230504T112033_C003504T112030_C001 CS_OFFL_SIR_JOPM_2_20230504T112030504T112030504T112001 CS_OFFL_SIR_JOPM_2_20230504T112030504T1120001 CS_OFFL_SIR_JOP	
and Backscatter Quality CS_OFFL_SIR_JOPM_2_20230504T090292_20230504T081957_C001 CS_OFFL_SIR_JOPM_2_20230504T090029_20230504T08197_C001 CS_OFFL_SIR_JOPM_2_20230504T090029_20230504T08197_C001 CS_OFFL_SIR_JOPM_2_20230504T090029_20230504T08197_C001 CS_OFFL_SIR_JOPM_2_20230504T090029_20230504T08195_C001 CS_OFFL_SIR_JOPM_2_20230504T090029_20230504T08195_C001 CS_OFFL_SIR_JOPM_2_20230504T090029_20230504T08195_C001 CS_OFFL_SIR_JOPM_2_20230504T090029_20230504T08195_C001 CS_OFFL_SIR_JOPM_2_20230504T090029_20230504T08195_C001 CS_OFFL_SIR_JOPM_2_20230504T090029_20230504T090029_20230504T0900020_2001 CS_OFFL_SIR_JOPM_2_20230504T090029_20230504T0900020_2001 CS_OFFL_SIR_JOPM_2_20230504T0900020_2001 CS_OFFL_SIR_JOPM_2_20230504T0900020_2001 CS_OFFL_SIR_JOPM_2_20230504T100002_2001 CS_OFFL_SIR_JOPM_2_20230504T1000002_2001 CS_OFFL_SIR_JOPM_2_20230504T1000002_2001 CS_OFFL_SIR_JOPM_2_20230504T1000002_2001 CS_OFFL_SIR_JOPM_2_20230504T1000002_2001 CS_OFFL_SIR_JOPM_2_20230504T1000002_2001 CS_OFFL_SIR_JOPM_2_20230504T10000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20230504T081259_20230504T081554_C001 Allimeter Range and Backscatter Quality, OCOG Allimeter Range Quality, OCOG Allimeter Range Quality, OCOG Allimeter Range Quality, OCOG Backscatter Quality, OCOG Allimeter Range Quality, OCOG Backscatter Quality, OCOG Allimeter Range Quality, OCOG Allimeter Range Quality, OCOG Allimeter Range Quality, OCOG Allimeter Range Range Quality, OCOG Allimeter Range and Backscatter Qua	and the OCOG Altimeter Range and Backscatter Quality Flags have been
os. OFFL_SIR_JOPM_2_20230504T084940_20230504T094103_C001 CS_OFFL_SIR_JOPM_2_20230504T08940_20230504T094103_C001 CS_OFFL_SIR_JOPM_2_20230504T08940_20230504T094103_C001 CS_OFFL_SIR_JOPM_2_20230504T08940_20230504T094103_C001 CS_OFFL_SIR_JOPM_2_20230504T08940_20230504T094103_C001 CS_OFFL_SIR_JOPM_2_20230504T0894721_20230504T100024_C001 CS_OFFL_SIR_JOPM_2_20230504T0894721_20230504T100024_C001 CS_OFFL_SIR_JOPM_2_20230504T0941721_20230504T100024_C001 CS_OFFL_SIR_JOPM_2_20230504T0941721_20230504T100024_C001 CS_OFFL_SIR_JOPM_2_20230504T1000122_20230504T1000024_C001 CS_OFFL_SIR_JOPM_2_20230504T1000122_20230504T1000024_C001 CS_OFFL_SIR_JOPM_2_20230504T1000122_20230504T10000024_C001 CS_OFFL_SIR_JOPM_2_20230504T1000122_20230504T10000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20230504T090029_20230504T093407_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T093940_20230504T094103_C001 DCOG Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T094111_20230504T094518_C001 DCOG Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T094721_20230504T100024_C001 DCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Qua	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backcaster Quality CS_OFFL_SIR_JOPM_2_20230504T094111_20230504T094518_C001 DOOG Alterneter Range Quality, OCOG Alterneter Range and Backcaster Quality Flags have been set for one or more records The OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags and the OCOG Alterneter Range and Backcaster Quality Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20230504T113042_20230504T112050_C001 CS_OFFL_SIR_JOPM_2_20230504T113442_20230504T112050_C001 CS_OFFL_SIR_JOPM_2_20230504T113442_20230504T112050_C001 CS_OFFL_SIR_JOPM_2_20230504T112050_C001 CS_OFFL_SIR_JOPM_2_20230504T112050_C001 CS_OFFL_SIR_JOPM_2_20230504T112050_C001 CS_OFFL_SIR_JOP	Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T09472I_20230504T100024_C001 CS_OFFL_SIR_IOPM_2_20230504T00212_20230504T100024_C001 CS_OFFL_SIR_IOPM_2_20230504T100212_20230504T100030_C001 CS_OFFL_SIR_IOPM_2_20230504T100212_20230504T100030_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T100030_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20	Backscatter Quality	, ,
and flackscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags and the COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T112167_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T12657_C001 CS_OFFL_SIR_IOPM_2_20230504T12657_C001 CS_OFFL_SIR_IOPM_2_20230504T12657_C001 CS_OFFL_SIR_IOPM_2_20230504T12657_C001 CS_OFFL_SIR_IOPM_2_20230504T12657_C001 CS_OFFL_SIR_IOPM_2_20230504T130615_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130615_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130615_20230504T131841_C00	CS_OFFL_SIR_IOPM_2_20230504T100212_20230504T100024_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T100212_20230504T100930_C001 CS_OFFL_SIR_IOPM_2_20230504T100212_20230504T100930_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T104038_20230504T111244_C001 CS_OFFL_SIR_IOPM_2_20230504T111440_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T111440_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1111104_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1111104_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1111104_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1111104_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1111104_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1111104_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1111104_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1111104_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1111104_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T11203_20230504T12003_C001 CS_OFFL_SIR_IOPM_2_20230504T11203_20230504T120427_C001 CS_OFFL_SIR_IOPM_2_20230504T112031_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T135402_20230504T13541_C001 CS_OFFL_SIR_IOPM_2_20230504T135402_20230504T13541_C001 COCAA Altimeter Range and Backscatter Quality COCGA Altimeter Range and Backscatter Qua	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscater Quality COGO Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscater Quality Flags	CS_OFFL_SIR_IOPM_2_20230504T100212_20230504T100930_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 CS_OFFL_SIR_IOPM_2_20230504T104038_20230504T111244_C001 CS_OFFL_SIR_IOPM_2_20230504T104038_20230504T111244_C001 CS_OFFL_SIR_IOPM_2_20230504T111440_20230504T1112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1111440_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1113104_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T114334_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T114345_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 COean Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backs	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Set for one or more records Cean 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_20230504T11440_20230504T11203_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T11203_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T11334_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T11334_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T11208_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T122237_C001 CS_OFFL_SIR_IOPM_2_20230504T12233_20230504T122237_C001 CS_OFFL_SIR_IOPM_2_20230504T12233_20230504T122237_C001 CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125001_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125001_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125001_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125001_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125001_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125001_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T13841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T13841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T13	CS_OFFL_SIR_IOPM_2_20230504T101016_20230504T101447_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T104038_20230504T111244_C001 CS_OFFL_SIR_IOPM_2_20230504T111440_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T111440_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T11334_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T114334_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T1120108_C001 CS_OFFL_SIR_IOPM_2_20230504T114345_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T131841_C001 CC_OCA Altimeter Range Quality, OCOG Backscatter Quality CC_OCA Altimeter Range and Backscatter Quality CC_OCA Altimeter Range and Backscatter Quality CC_OCA Altimeter Range and Backscatter Quality CC_OCA Altimeter Range Altimeter Range SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CC_OCA Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, COGG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T114345_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T12507_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T12501_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T12502_20230504T125201_C001 CS_OFFL_SIR_IOPM_2_20230504T125002_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125002_20230504T125201_C001 CS_OFFL_SIR_IOPM_2_20230504T125002_20230504T135001_C001 CS_OFFL_SIR_IOPM_2_20230504T135001_20230504T135001_C001 CS_OFFL_SIR_IOPM_2_20230504T135001_20230504T135001_C001 CS_OFFL_SIR_IOPM_2_20230504T1300000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20230504T104038_20230504T111244_C001 CS_OFFL_SIR_IOPM_2_20230504T1111440_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T1111440_20230504T112003_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T114334_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T1120108_C001 CS_OFFL_SIR_IOPM_2_20230504T114345_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T114345_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CCean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T114334_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T114334_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T114345_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T114345_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T122427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T122427_C001 CS_OFFL_SIR_IOPM_2_20230504T122631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T135402_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T138015_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T138015_20230504T13841_C001 CS_OFFL_SIR_IOPM_2_20230504T138	Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T11334_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T114334_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T114345_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T13841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T133717_C001 CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T133717_C001 CCean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CCGG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality CCGG Altimeter Range, SSHA, SWH and Backscatter Quality CCGG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backsc	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Altimeter Range and Backscatter Quality, COG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T114345_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 Altimeter Range and Backscatter Quality, CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CCOME Altimeter Range Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags hav	CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T114334_C001 CS_OFFL_SIR_IOPM_2_20230504T113104_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T114345_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T135402_20230504T135901_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T133717_C001 COean Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality COean Altimeter Range Quality, OCOG Altimeter Range And Backscatter Quality COEAN Altimeter Range Quality, OCOG Altimeter Range And Backscatter Quality COEAN Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T13841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T133717_C001 And the COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T13841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T133717_C001 CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T133717_C001 CCEan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records C	CS_OFFL_SIR_IOPM_2_20230504T114345_20230504T120108_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T121617_20230504T121658_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T135402_20230504T135901_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CCean Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range And Backscatter Quality CCean Altimeter Range Quality, OCOG Altimeter Range And Backscatter Quality CCean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range And Backscatter Quality, OCOG Altimeter Range And Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range And Backscatter Quality, OCOG Altimeter Range And Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T12233_20230504T123427_C001 Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T13841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T13717_C001 Backscatter Quality COGa Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T13717_C001 COGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T13717_C001 COGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T13717_C001 COGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T13717_C001 COGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T13717_C001 COGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T13717_C001 COGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T13717_C001 COGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	Backscatter Quality Cs_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 Cs_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 Cs_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 Cs_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 Cs_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 Cs_OFFL_SIR_IOPM_2_20230504T135402_20230504T131841_C001 Cs_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 Cs_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 Cs_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 Ccean Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Cs_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 Ccean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T135402_20230504T135901_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T133717_C001 and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T133717_C001 COECAN Altimeter Range Quality, 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 have been set for one or more records COECAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records COECAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records COECAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records COECAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records COECAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20230504T122233_20230504T123427_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T135402_20230504T135901_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T133717_C001 Coean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T135402_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T133717_C001 and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T133717_C001 The OCOG Altimeter Range and Backscatter Quality Flags have been The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T133717_C001 The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T133717_C001	CS_OFFL_SIR_IOPM_2_20230504T123631_20230504T125207_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T125402_20230504T125901_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T133717_C001 and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T133717_C001 Backscatter Quality for one or more records The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatte	Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T133717_C001 Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20230504T130815_20230504T131841_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T133717_C001 and Backscatter Quality, OCOG	
CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T133717_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20230504T132501_20230504T133717_C001 and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	Altimeter Hange and Backscatter Qualit	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20230504T141630_20230504T143058_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20230504T141630_20230504T143058_C001 and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20230504T143319_20230504T143813_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_20230504T144434_20230504T150843_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records	CS_OFFL_SIR_IOPM_2_20230504T144434_20230504T150843_C001 and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20230504T154630_20230504T160737_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_20230504T161402_20230504T161731_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_20230504T161753_20230504T162120_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_20230504T162342_20230504T165231_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_20230504T172254_20230504T175005_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_20230504T175146_20230504T175645_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_20230504T180345_20230504T183812_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_20230504T190232_20230504T191040_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_20230504T192335_20230504T192950_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_20230504T193145_20230504T193718_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_20230504T194303_20230504T201644_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_20230504T203027_20230504T203130_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_20230504T204950_20230504T210904_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_20230504T212210_20230504T215621_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_20230504T2222054_20230504T2222516_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_20230504T222611_20230504T224348_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_20230504T225321_20230504T225519_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_20230504T230225_20230504T231721_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_20230504T231841_20230504T233129_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_20230504T233731_20230504T233732_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_20230504T233812_20230504T233822_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_20230504T235130_20230505T000909_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_20230504T033953_20230504T034124_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20230504T171356_20230504T171505_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20230504T175016_20230504T175145_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20230504T183812_20230504T183942_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_IOPN_2_20230504T193029_20230504T193145_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20230504T204332_20230504T204334_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_20230504T021155_20230504T021239_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_20230504T185004_20230504T185430_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

Number of products with errors:

82

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20230504T002143_20230504T002331_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_20230504T004201_20230504T004317_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_20230504T011658_20230504T012241_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_20230504T021604_20230504T021814_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_20230504T022353_20230504T022515_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_20230504T023901_20230504T024051_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_20230504T033953_20230504T034124_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_20230504T034452_20230504T034510_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_20230504T040105_20230504T040226_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_20230504T044706_20230504T044928_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_20230504T052925_20230504T053059_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_20230504T061801_20230504T062154_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_20230504T062745_20230504T062910_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_20230504T070343_20230504T070507_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_20230504T071902_20230504T072017_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_20230504T075749_20230504T080101_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_20230504T083835_20230504T083927_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_20230504T084226_20230504T084339_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_20230504T093523_20230504T093940_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_20230504T094518_20230504T094641_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_20230504T100930_20230504T101016_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_20230504T102309_20230504T102356_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_20230504T111314_20230504T111440_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_20230504T112301_20230504T112447_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_20230504T131931_20230504T131948_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_20230504T134113_20230504T134408_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_20230504T144002_20230504T144434_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_20230504T152140_20230504T152532_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_20230504T154235_20230504T154555_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_20230504T180023_20230504T180157_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_20230504T183812_20230504T183942_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_20230504T184026_20230504T184131_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_20230504T204809_20230504T204950_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_20230504T210948_20230504T211106_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_20230504T220847_20230504T220902_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_20230504T225043_20230504T225320_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_20230504T225519_20230504T230051_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_20230504T234611_20230504T235059_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_20230504T003119_20230504T003515_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_20230504T005705_20230504T010111_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_20230504T020350_20230504T020413_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_20230504T021239_20230504T021604_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_20230504T021814_20230504T021922_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_20230504T022151_20230504T022236_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_20230504T034806_20230504T035058_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

	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_IOPR_2_20230504T035143_20230504T035518_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230504T043646_20230504T043824_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_20230504T044928_20230504T045025_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_20230504T061556_20230504T061801_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_20230504T065836_20230504T070014_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_20230504T070927_20230504T071718_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_20230504T084907_20230504T090029_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_20230504T100025_20230504T100212_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_20230504T102408_20230504T102451_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_20230504T102857_20230504T103603_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_20230504T103625_20230504T103650_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_20230504T112447_20230504T112741_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_20230504T120108_20230504T120118_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_20230504T120753_20230504T121334_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_20230504T123428_20230504T123631_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_20230504T132205_20230504T132500_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_20230504T133950_20230504T134113_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_20230504T134708_20230504T135242_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_20230504T140743_20230504T141630_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_20230504T151833_20230504T152038_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_20230504T152658_20230504T153048_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_20230504T154555_20230504T154630_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_20230504T170329_20230504T171252_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_20230504T171921_20230504T172026_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_20230504T180157_20230504T180345_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_20230504T184131_20230504T184827_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_20230504T191040_20230504T191414_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_20230504T194037_20230504T194303_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_20230504T201644_20230504T202708_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_20230504T203258_20230504T203608_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_20230504T203815_20230504T204134_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_20230504T211926_20230504T212210_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_20230504T215917_20230504T220608_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_20230504T220608_20230504T220847_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_20230504T231721_20230504T231749_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_20230504T233129_20230504T233607_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_20230504T234044_20230504T234500_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors: 2

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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

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

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors: 15

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors: 0

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20230503T234510_20230504T003448_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T003448_20230504T012425_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20230504T012425_20230504T021403_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20230504T021403_20230504T030339_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T030339_20230504T035318_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T035318_20230504T044254_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T044254_20230504T053232_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T053232_20230504T062209_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20230504T062209_20230504T071147_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T071147_20230504T080124_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T080124_20230504T085102_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T085102_20230504T094038_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T094038_20230504T103016_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20230504T103016_20230504T111953_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T111953_20230504T120931_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T120931_20230504T125907_C001	Mean Sea Surface (1), Mean 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_220230504T125907_20230504T134846_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20230504T134846_20230504T143822_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T143822_20230504T152800_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T152800_20230504T161737_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T161737_20230504T170715_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T170715_20230504T175652_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T175652_20230504T184630_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T184630_20230504T193606_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20230504T193606_20230504T202544_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T202544_20230504T211521_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T211521_20230504T220459_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20230504T220459_20230504T225435_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T225435_20230504T234414_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230504T234414_20230505T003350_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

30

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20 Hz)

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

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

Number of products with errors:

P2P Quality Flags (20 Hz PLRM)

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

Number of products with errors: 3

P2P Quality Flags (1 Hz & 1 Hz PLRM)

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

Number of products with errors:

30

30

30

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

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

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

Number of products with errors:

P2P Retracking Flags PLRM

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

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

Number of products with errors:

7. IOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_IOPM1B	185	185	4	181	0
SIR_IOPR1B	152	103	3	100	0
SIR_IOPN1B	103	152	0	152	0
SIR_IOPM_2	185	185	131	54	0
SIR_IOPR_2	152	103	41	62	0
SIR_IOPN_2	103	152	67	84	1
SIR_IOP_P2P	29	29	0	28	1

7.1 QCC Errors

Number of QCC reports with errors:

8

Total number of occurrences of each error

Product Type	REOROPICOF	KL	REOBOPNEDF	KL	•	•	•	•	•	-	•
SIR_IOPR_2	1	1	1	1							
·			·			•					
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_IOP_2_	1	1	1	1							

Test Description Key:								
Abbreviation	Test name	Details						
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7						
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7						
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7						
RL	RangeLongitude 7	Longitude should be between -180E7 and 180E7						

7.2 QCC Warnings

Number of QCC reports with warnings

2207

Total number of occurrences of each warning

	rotal number of obtaining									
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCI			
SIR_IOPM1B	181	0	0	0	0	0	0			
SIR_IOPM_2	0	0	46	45	2	36	0			
SIR_IOPN1B	100	0	0	0	0	0	0			
SIR_IOPN_2	0	0	8	30	6	23	22			
SIR_IOPR1B	148	0	0	0	0	0	0			
SIR IOPR 2	0	1	31	45	0	32	21			

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	28	0	38	0	0	0	0
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	14	0	0	0	18	0	29
SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	14	1	0	44	0	51	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	30	0	0	5	34	0	8
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	0	0	25	17	41	54	34
SIR_IOPR1B	0	0	0	0	0	0	0

SIR_IOPR_2	0	42	0	1	64	31	13
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_IOPM1B	0	0	0	1	0	0	0
SIR_IOPM_2	40	0	5	1	0	0	0
SIR_IOPN1B	0	0	0	0	0	43	4
SIR_IOPN_2	25	28	11	0	1	0	0
SIR_IOPR1B	0	0	0	0	0	152	9
SIR IOPR 2	32	43	1	0	3	0	0

	Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
- [CID IOD 2	15	20	20	7	20	16	26

Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_IOP_2_	1	18		21	17	29	17

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	•
SIR_IOP_2_	24	29	17	13	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
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
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
RPEPOPFDSARNCDF	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
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
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)
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports