

QA4EO Daily Report for IOP data:

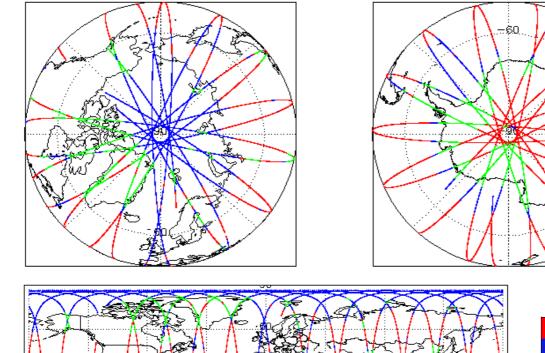
<u>02/03/2023</u>

IDEAS-QA4E0

1. Overview				
		Check	L1 & L2	P2P
Report Production:	06-Mar-2023	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
		Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal
Data Used:		Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
We would love to hear from you!		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Please let us know your feedback about these daily		Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
quality reports: What do you like/ dislike? What quality		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
information do you need? Send your feedback to cs2_qc_team@telespazio.com		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.2	See Section 7.2

	Mission / Instrument News				
01-Mar-2023		None			
02-Mar-2023		None			
	03-Mar-2023	Nothing planned			

2. Global Coverage







3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

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

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

135

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).

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4.2 L1B Product Header Anal	ysis
For all products, a series of pre-defined che	ecks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.
Number of products with errors:	0
4.3 L1B Auxilary Data File Us	age Check
Each product is checked for missing Data S	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	or 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 Confid	ence 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 update.	s 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
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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.

23

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20230302T165400_20230302T170529_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20230302T193440_20230302T193944_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20230302T205155_20230302T211906_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20230302T224121_20230302T224924_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230302T022621_20230302T023018_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230302T034902_20230302T035207_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230302T054436_20230302T054654_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230302T135305_20230302T135533_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230302T153013_20230302T153439_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230302T154947_20230302T155159_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230302T163420_20230302T163550_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230302T171111_20230302T171539_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230302T180845_20230302T181213_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20230302T220657_20230302T220750_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230302T055941_20230302T060101_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230302T071837_20230302T071935_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230302T102648_20230302T102750_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230302T140635_20230302T140827_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230302T160309_20230302T160519_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230302T203056_20230302T203943_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230302T204003_20230302T204235_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230302T221017_20230302T221957_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20230302T234526_20230302T235543_C001	Loss of Echo	The tracking echo is missing for one or more records
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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. 0

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Corection, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.

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

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

53

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20230302T071516_20230302T071552_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_20230302T222619_20230302T222710_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_20230302T012949_20230302T013252_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_20230302T013519_20230302T014034_C001	Mean Sea Surface (1), Mean 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_20230302T022621_20230302T023018_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and 2: FES) and the Non- Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_IOPN_2_20230302T030957_20230302T031232_C001	Mean Sea Surface (1), Mean 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_20230302T040509_20230302T040625_C001	Mean Sea Surface (1), Mean 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_20230302T040824_20230302T041104_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_20230302T044457_20230302T045102_C001	Mean Sea Surface (1), Mean 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_20230302T054436_20230302T054654_C001	Mean Sea Surface (1), Mean 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_20230302T062717_20230302T062902_C001	Mean Sea Surface (1), Mean 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_20230302T072405_20230302T072848_C001	Mean Sea Surface (1), Mean 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_20230302T081537_20230302T081821_C001	Mean Sea Surface (1), Mean 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_20230302T094641_20230302T095030_C001	Mean Sea Surface (1), Mean 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_20230302T102600_20230302T102648_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_20230302T112621_20230302T112936_C001	Mean Sea Surface (1), Mean 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_20230302T121720_20230302T121754_C001	Mean Sea Surface (1), Mean 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_20230302T131357_20230302T131508_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_20230302T135305_20230302T135533_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_20230302T135611_20230302T135732_C001	Mean Sea Surface (1), Mean 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_20230302T153528_20230302T153642_C001	Mean Sea Surface (1), Mean 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_20230302T162932_20230302T163207_C001	Mean Sea Surface (1), Mean 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_20230302T180845_20230302T181213_C001	Mean Sea Surface (1), Mean 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_20230302T185010_20230302T185401_C001	Mean Sea Surface (1), Mean 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_20230302T194953_20230302T195135_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_20230302T220657_20230302T220750_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_20230302T225901_20230302T230025_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_20230302T230551_20230302T230904_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_20230302T235709_20230302T235812_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_20230302T003929_20230302T004611_C001	Mean Sea Surface (1), Mean 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_20230302T004611_20230302T004816_C001	Mean Sea Surface (1), Mean 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_20230302T022035_20230302T022507_C001	Mean Sea Surface (1), Mean 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_20230302T022507_20230302T022621_C001	Mean Sea Surface (1), Mean 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_20230302T035839_20230302T040341_C001	Mean Sea Surface (1), Mean 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_20230302T040341_20230302T040509_C001	Mean Sea Surface (1), Mean 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_20230302T054004_20230302T054436_C001	Mean Sea Surface (1), Mean 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_20230302T071957_20230302T072405_C001	Mean Sea Surface (1), Mean 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_20230302T085419_20230302T090447_C001	Mean Sea Surface (1), Mean 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_20230302T102648_20230302T102750_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_20230302T103758_20230302T104545_C001	Mean Sea Surface (1), Mean 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_20230302T121754_20230302T122836_C001	Mean Sea Surface (1), Mean 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_20230302T135732_20230302T140128_C001	Mean Sea Surface (1), Mean 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_20230302T140128_20230302T140505_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_20230302T153642_20230302T154204_C001	Mean Sea Surface (1), Mean 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_20230302T163207_20230302T163419_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20230302T171539_20230302T172240_C001	Mean Sea Surface (1), Mean 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_20230302T185401_20230302T185906_C001	Mean Sea Surface (1), Mean 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_20230302T203056_20230302T203943_C001	Mean Sea Surface (1), Mean 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_20230302T221017_20230302T221957_C001	Mean Sea Surface (1), Mean 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_20230302T222132_20230302T222330_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_20230302T222710_20230302T222856_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_20230302T234526_20230302T235543_C001	Mean Sea Surface (1), Mean 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_20230302T235543_20230302T235709_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check

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

85

> OCOG Altimeter Range and Backscatter Quality Flags: These flags are currently set for some records over continental ice.

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20230302T000137_20230302T002431_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_20230302T002716_20230302T003645_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_20230302T005007_20230302T005038_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_20230302T010036_20230302T010534_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_20230302T010712_20230302T011323_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_20230302T011329_20230302T012842_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_20230302T014129_20230302T021300_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_20230302T023106_20230302T025022_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_20230302T025031_20230302T030311_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_20230302T031618_20230302T031932_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_20230302T032059_20230302T033654_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_20230302T033857_20230302T034901_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_20230302T040625_20230302T040824_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_20230302T041114_20230302T041301_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_20230302T041546_20230302T042734_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_20230302T045102_20230302T045349_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_20230302T045404_20230302T045833_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_20230302T050029_20230302T051521_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_20230302T051701_20230302T051854_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_20230302T052957_20230302T053011_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_20230302T060224_20230302T062639_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_20230302T062902_20230302T063739_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_20230302T063946_20230302T070517_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_20230302T070743_20230302T070814_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_20230302T073839_20230302T080535_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_20230302T081117_20230302T081536_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_20230302T081828_20230302T084901_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_20230302T091211_20230302T094442_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_20230302T095031_20230302T095617_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_20230302T095735_20230302T100359_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_20230302T100855_20230302T101446_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_20230302T103522_20230302T103608_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_20230302T104914_20230302T112410_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_20230302T112937_20230302T113449_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_20230302T113629_20230302T115559_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_20230302T122836_20230302T123746_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_20230302T123801_20230302T125628_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_20230302T125639_20230302T130247_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_20230302T130751_20230302T130937_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_20230302T130944_20230302T131357_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_20230302T131601_20230302T134433_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_20230302T134456_20230302T135136_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_20230302T135136_20230302T135224_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_20230302T141011_20230302T142356_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_20230302T142924_20230302T143435_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_20230302T143511_20230302T144147_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_20230302T144314_20230302T144837_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_20230302T145945_20230302T151211_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_20230302T151328_20230302T152614_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_20230302T152658_20230302T153013_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_20230302T155212_20230302T160309_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_20230302T160520_20230302T162047_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_20230302T162241_20230302T162737_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_20230302T162742_20230302T162749_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_20230302T162756_20230302T162807_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_20230302T163622_20230302T164116_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_20230302T165400_20230302T170529_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_20230302T173304_20230302T173320_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_20230302T174433_20230302T175952_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_20230302T181250_20230302T184007_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_20230302T190200_20230302T190826_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_20230302T191338_20230302T193356_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_20230302T193440_20230302T193943_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_20230302T194218_20230302T194606_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_20230302T194612_20230302T194621_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_20230302T194628_20230302T194953_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_20230302T195216_20230302T201950_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_20230302T205155_20230302T211906_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_20230302T212030_20230302T212521_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_20230302T222619_20230302T222710_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_20230302T224121_20230302T224924_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_20230302T225200_20230302T225334_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_20230302T225534_20230302T225842_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_20230302T230025_20230302T230551_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_20230302T231124_20230302T233356_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_20230302T233642_20230302T234526_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_20230302T102750_20230302T102816_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_20230302T135611_20230302T135732_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_20230302T153013_20230302T153439_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_20230302T191128_20230302T191338_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_20230302T194622_20230302T194627_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_20230302T084901_20230302T084937_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_20230302T130248_20230302T130338_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_20230302T154808_20230302T154821_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_20230302T220832_20230302T220836_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.

93

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20230302T010603_20230302T010712_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_20230302T012949_20230302T013252_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_20230302T013519_20230302T014034_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_20230302T022621_20230302T023018_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_20230302T031428_20230302T031617_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_20230302T034902_20230302T035207_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_20230302T042946_20230302T043044_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_20230302T044312_20230302T044343_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_20230302T054436_20230302T054654_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_20230302T054740_20230302T054918_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_20230302T055228_20230302T055351_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_20230302T062717_20230302T062902_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_20230302T070518_20230302T070743_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_20230302T070815_20230302T070925_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_20230302T072405_20230302T072848_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_20230302T072937_20230302T073059_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_20230302T073523_20230302T073659_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_20230302T081000_20230302T081117_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_20230302T094641_20230302T095030_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_20230302T101446_20230302T101641_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_20230302T101743_20230302T101836_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_20230302T103222_20230302T103345_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_20230302T113449_20230302T113608_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_20230302T115559_20230302T115812_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_20230302T131357_20230302T131508_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_20230302T135611_20230302T135732_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_20230302T153013_20230302T153439_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_20230302T153528_20230302T153642_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_20230302T162058_20230302T162241_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_20230302T163420_20230302T163550_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_20230302T164816_20230302T165340_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_20230302T171111_20230302T171539_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_20230302T180845_20230302T181213_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_20230302T185010_20230302T185401_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_20230302T190854_20230302T191035_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_20230302T193951_20230302T194218_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_20230302T203943_20230302T204003_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_20230302T212857_20230302T213036_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_20230302T220855_20230302T221017_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_20230302T002431_20230302T002716_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_20230302T003929_20230302T004611_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_20230302T004611_20230302T004816_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_20230302T005039_20230302T005803_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_20230302T021300_20230302T021616_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_20230302T021852_20230302T022012_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_20230302T022035_20230302T022507_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_20230302T022507_20230302T022621_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_20230302T035839_20230302T040341_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_20230302T041302_20230302T041546_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_20230302T042734_20230302T042946_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_20230302T043918_20230302T044311_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_20230302T051522_20230302T051701_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_20230302T051912_20230302T052411_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_20230302T054004_20230302T054436_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_20230302T054654_20230302T054740_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_20230302T070926_20230302T071026_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_20230302T071556_20230302T071822_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_20230302T071957_20230302T072405_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_20230302T102416_20230302T102600_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_20230302T102648_20230302T102750_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_20230302T103138_20230302T103222_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_20230302T103345_20230302T103416_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_20230302T103758_20230302T104545_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_20230302T120512_20230302T120659_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_20230302T120827_20230302T120838_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

Cist OFFL SITL CORP. 2. 2020002112140. 2020302112170. 2010 Cist Method Prop. 501, 40, 000, France Prop. 501, 500, France	CS_OFFL_SIR_IOPR_2_20230302T120847_20230302T120931_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
Cis GFL_SIR_LOPE_2.020000T1215H_022000T1215H_022000T1215H_0200CT1225H_0200 Company Co	CS_OFFL_SIR_IOPR_2_20230302T121440_20230302T121720_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
cs Oran Amore Range, SMA, Wing cs Oran Amore Range Cally PL cs <	CS_OFFL_SIR_IOPR_2_20230302T121754_20230302T122836_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_JOPR_2_00000071140189_000007114008_000007114008_0000 and Backsontro Quality PLM. OCCD Allineter Rapps and Backsontro Quality PLM. OCCD Allineter Rapps and Backsontro Quality PLM. OCCD Allineter Rapps and Backsontro Quality PLM. The OCCOS Range and Backsontro Quality PLM. GS_OFFL_SIR_JOPR_2_00000071140085_000007114080_0000 OCCD Allineter Rapps and Backsontro Quality PLM. The OCCOS Range and Backsontro Quality PLM. GS_OFFL_SIR_JOPR_2_00000071140085_0000007114080_0000 OCCD Allineter Rapps Quality PLM. The OCCOS Range and Backsontro Quality FLM. GS_OFFL_SIR_JOPR_2_00000071140080_00000 OCCD Allineter Rapps Quality PLM. The OCCOS Range and Backsontro Quality FLM. GS_OFFL_SIR_JOPR_2_000000071140080_00000 OCCD Allineter Rapps Quality PLM. The OCCOS Range and Backsontro Quality FLM. GS_OFFL_SIR_JOPR_2_00000007116840_00000 OCCD Allineter Rapps Quality PLM. The OCCOS Range and Backsontro Quality FLM. GS_OFFL_SIR_JOPR_2_00000007116840_00000000000000000000000000000000000	CS_OFFL_SIR_IOPR_2_20230302T135732_20230302T140128_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
GR_OFFL_SIR_UOPR_2_20230302T14085_0033030T14085_0033002T14086_001 and Backsocater Quality PLML 0000 and Mathematic Reginer Backsocater Quality PLML 0000 GR_OFFL_SIR_UOPR_2_20230302T14085_0033002T14086_0001 CCCOA Almeter Regine Quality PLML 0000 The OCOG Range and Backsocater Quality PLML 0000 GR_OFFL_SIR_UOPR_2_20230302T14085_0033002T14086_0001 CCCOA Almeter Regine Quality PLML 0000 The OCOG Range and Backsocater Quality PLML 0000 GR_OFFL_SIR_UOPR_2_20230302T140280_0001 CCCOA Almeter Regine Quality PLML 0000 The OCOG Range and Backsocater Quality FLML 0000 GR_OFFL_SIR_UOPR_2_20230302T14080_2003030T14080_0001 CCCOA Almeter Regine Quality PLML 0000 The OCOG Range and Backsocater Quality FLML 0000 GR_OFFL_SIR_UOPR_2_20230302T14080_2003030T14080_20030300T14480_20030300T14480_20030300T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_2003000T14480_20000 The OCOG Range and Backsocater Quality FLML 0000 GR_OFFL_SIR_UOPR_2_2023000T11400_2002000T145400_2000 CCCOA Almeter Regine Quality PLML 0000 The OCOG Range and Backsocater Quality FLML 0000 GR_OFFL_SIR_UOPR_2_2023000T117004 CCCOA Almeter Regine Quality PLML 0000 The OCOG Range and Backsocater Quality FLML 0000 GR_OFFL_SIR_UOPR_2_2023000T117004 CCCOA Almeter Regine Quality PLML 0000 The OCOG Range and Backsocater Qua	CS_OFFL_SIR_IOPR_2_20230302T140128_20230302T140505_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_DPPL_SPL_OPPL_2_0020002114265_0203002114265_0001 OCOD Backscater Quity more records CS_DPPL_SIR_IOPPL_2_0020002114265_0203002114265_0001 OCOD Backscater Quity The OCOD Range and Backscater Quity Flags have been set for or more records CS_OPPL_SIR_IOPPL_2_0020002114265_0203002114265_0001 OCOD Backscater Quity The OCOD Range and Backscater Quity Flags have been set for or more records CS_OPPL_SIR_IOPPL_2_00200021163042_0020002116404_0001 OCOD Backscater Quity Flags The OCOD Range and Backscater Quity Flags have been set for or more records CS_OPPL_SIR_IOPR_2_00200021163042_00200021163042_00200021163049_0001 OCOD Backscater Quity Flags The OCOD Range and Backscater Quity Flags have been set for or more records CS_OPPL_SIR_IOPR_2_0020021163047_0001 OCOD Almoter Range QUI PLM. OCOD Almoter Range QUI PLM. OCOD Almoter Range and Backscater Quity Flags have been set for or or more records CS_OPPL_SIR_IOPR_2_0020021163047_0001 OCOD Almoter Range QUI PLM. OCOD Almoter Range and Backscater Quity Flags have been set for or or one records CS_OPPL_SIR_IOPR_2_002002117059_00200021177259_0020021177259_0020022117259_00001 OCOD Almoter Range QUILY PLM. OCOD Almoter Range and Backscater Quity Flags have been set for or or one records CS_OPFL_SIR_IOPR_2_0020021177559_00200021177259_0020021177259_0020022117428_0001 OCOD Almoter Range QUILY PLM. OCOD Almoter Range All PLM. OCOD Almoter Range All PLM. OCOD Almoter Range All PLM. OCOD Range and Backscater Quity Flags have been set for or or on	CS_OFFL_SIR_IOPR_2_20230302T140635_20230302T140827_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
OPE OPE Construction Occos Backcaster Quality more records CS_OFFL_SIR_IOPR_2_20230302T144837_28230302T144843_C001 Coco Backcaster Quality The Occos Rampe and Backscaster Quality FLBM, OCCO Backcaster Quality The Occos Rampe and Backscaster Quality FLBM, OCCO Backscaster Quality The Occos Rampe and Backscaster Quality FLBM, NOCCO Backscaster Qua	CS_OFFL_SIR_IOPR_2_20230302T140835_20230302T140840_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
US_OPEL_SIR_UOPR_2_202303021163642_202303021154204_C001 OCCOR Backscatter Quality more records CS_OFFL_SIR_UOPR_2_202303021153642_202303021154204_C001 Occore Animeter Range ASHA. SWH and Backscatter Quality Flags have been set for on ormore records CS_OFFL_SIR_UOPR_2_202303021153642_202303021154204_C001 Occore Animeter Range ASHA. SWH and Backscatter Quality Flags have been set for on ormore records CS_OFFL_SIR_UOPR_2_20230302115307_202303021154019_C001 OCCOR Alteneter Range Quality FLAM. CG_OFFL_SIR_UOPR_2_202303021175307_202303021175419_C001 OCCOR Alteneter Range Quality FLAM. CG_OFFL_SIR_UOPR_2_202303021175307_202303021172240_C001 OCCOR Alteneter Range Quality FLAM. CG_OFFL_SIR_UOPR_2_202303021175519_202303021172240_C001 OCCOR Alteneter Range Quality FLAM. CG_OFFL_SIR_UOPR_2_202303021175619_202303021172240_C001 OCCOR Alteneter Range Quality FLAM. CG_OFFL_SIR_UOPR_2_202303021173617_202303021174617_C001 OCCOR Alteneter Range Quality FLAM. CG_OFFL_SIR_UOPR_2_202303021173617_202303021174637_C001 OCCOR Alteneter Range Quality FLAM. CG_OFFL_SIR_UOPR_2_202303021174617_202303021174643_C001 OCCOR Alteneter Range Quality FLAM. CG_OFFL_SIR_UOPR_2_202303021174633_C001 Alteneter Range Quality FLAM. <td>CS_OFFL_SIR_IOPR_2_20230302T142356_20230302T142625_C001</td> <td></td> <td>The OCOG Range and Backscatter Quality Flags have been set for one or more records</td>	CS_OFFL_SIR_IOPR_2_20230302T142356_20230302T142625_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
GS_OFFL_SIR_IOPR_2_20230302T154204_0001 and Backscatter Quality PLRM, COCO Attimeter Range and Backscatter Qualit	CS_OFFL_SIR_IOPR_2_20230302T144837_20230302T144843_C001	OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T162419_C001 and Backscatter Quality PLRM_OCOG Attemeter Range and Backscatter Quality PLRM_NCOCO PLRM in the QCOG Attemeter Range, SNA SWH and the QCOG Attemeter Range, SNA SWH COCO Attemeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_IOPR_2_20230302T17539_20230302T172240_C001 COCO Attemeter Range, SSHA, SWH and Backscatter Quality PLRM_NCOCO Attemeter Range and Backscatter Quality PLRM, COCO Attemeter Range and Backscatter Quality FLRM, COCO Attemeter Range SSHA, SWH and Backscatter Quality FLRM, COCO Attemeter Range and	CS_OFFL_SIR_IOPR_2_20230302T153642_20230302T154204_C001	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
US_OFFL_SIR_IOFR_2_20230302T171039_20230302T171010 OCOG Backscatter Quality more records OS_OFFL_SIR_IOPR_2_20230302T171339_20230302T172240_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records OS_OFFL_SIR_IOPR_2_20230302T174617_20230302T174047_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T174235_20230302T174235_0001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T184008_20230302T184236_C001 OCOG Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T185401_20230302T185405_20230302T185405_0C001 OCOG Altimeter Range Quality PLRM, Altimeter Range and Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T185405_20230302T190200_C001 OCOG Altimeter Range Quality PLRM, Altimeter Range and Backscatter Quality PLRM The OCOG Range and Backscatte	CS_OFFL_SIR_IOPR_2_20230302T163207_20230302T163419_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T171539_20230302T172240_C001 and Backscatter Quality FLM, OCCG Altimeter Range and Backscatter Quality FLM, and the OCCG Altimeter Range and Backscatter Quality FLM, OCCG Altimeter Range Quality PLRM, The OCCG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T174100_20230302T174232_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range and Backscatter Quality FLM, OCCG Altimeter Range, and Backscatter Quality FLM, OCCG Altimeter Range, and Backscatter Quality FLM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLM, OCCG Altimeter Range, and Backscatter Quality FLM, OCCG Altim	CS_OFFL_SIR_IOPR_2_20230302T170934_20230302T171017_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T17400_20230302T17407_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_20230302T174100_20230302T174232_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T174235_20230302T174235_20230302T174433_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T174235_20230302T174433_C001 OCOG Altimeter Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T174235_20230302T184236_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T185401_20230302T185906_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T185401_20230302T185906_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T185946_20230302T190200_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T201950_20230302T204943_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or more records The OCOG Range and Backscatter Quality Flags hav	CS_OFFL_SIR_IOPR_2_20230302T171539_20230302T172240_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T17410_20230302T174235_20001 OCOG Backscatter Quality The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Attimeter Range and Backscatter Quality Flags have be set for on more records CS_OFFL_SIR_IOPR_2_20230302T174235_20230302T174235_20230302T184236_C001 OCOG Attimeter Range Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T184008_20230302T184236_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T185401_20230302T185906_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T185401_20230302T185906_C001 Ocean Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T18546_20230302T190200_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Ba	CS_OFFL_SIR_IOPR_2_20230302T173617_20230302T174047_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T174235_20230302T174433_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T185401_20230302T185906_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 have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T185946_20230302T190200_C001 OCCG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T201950_20230302T201950_20230302T202140_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T203056_20230302T203943_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for or more records The OCCG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T203056_20230302T203943_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter R	CS_OFFL_SIR_IOPR_2_20230302T174100_20230302T174232_C001	OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T184008_20230302T184236_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_20230302T185401_20230302T185906_C001 OcoG Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_IOPR_2_20230302T185946_20230302T190200_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T201950_20230302T202140_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T2030302T2030302T202140_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T2030302T203043_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have be at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have b and Backscatter Quality PLRM, OCOG Attimeter Range and Backs	CS_OFFL_SIR_IOPR_2_20230302T174235_20230302T174433_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T185401_20230302T185906_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The OCean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Attimeter Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T185946_20230302T190200_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T201950_20230302T202140_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T203056_20230302T203943_C001 OCCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T203056_20230302T203943_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records CS_OFFL_SIR_IOPR_2_20230302T204003_20230302T204235_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have be set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records	CS_OFFL_SIR_IOPR_2_20230302T184008_20230302T184236_C001	OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T201950_20230302T20140_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_20230302T201950_20230302T202140_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records CS_OFFL_SIR_IOPR_2_20230302T203056_20230302T203943_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPR_2_20230302T204003_20230302T204235_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags at for one or more records	CS_OFFL_SIR_IOPR_2_20230302T185401_20230302T185906_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOFR_2_20230302T203056_20230302T20403_20204003_20230302T204235_C001 OCOG Backscatter Quality more records OCS_OFFL_SIR_IOFR_2_20230302T203056_20230302T204003_20230302T204235_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b set for one or more records CS_OFFL_SIR_IOFR_2_20230302T204003_20230302T204235_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality Flags have b set for one or more records	CS_OFFL_SIR_IOPR_2_20230302T185946_20230302T190200_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T203056_20230302T203943_C001 and Backscatter Quality PLRM, OCOG Ine Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b CS_OFFL_SIR_IOPR_2_20230302T204003_20230302T204235_C001 and Backscatter Quality PLRM, OCOG Ine Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b CS_OFFL_SIR_IOPR_2_20230302T204003_20230302T204235_C001 and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b	CS_OFFL_SIR_IOPR_2_20230302T201950_20230302T202140_C001	OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T204003_20230302T204235_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have b Altimeter Range and Backscatter Quality Flags h	CS_OFFL_SIR_IOPR_2_20230302T203056_20230302T203943_C001	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_20230302T204003_20230302T204235_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T220816_20230302T220821_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Interview of the ocogenetic ocogenetic of the ocogenetic o	CS_OFFL_SIR_IOPR_2_20230302T220816_20230302T220821_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
	CS_OFFL_SIR_IOPR_2_20230302T221017_20230302T221957_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T222132_20230302T222330_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records	CS_OFFL_SIR_IOPR_2_20230302T222132_20230302T222330_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20230302T222710_20230302T222856_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG Backscatter QUAL QUAL QUAL QUAL QUAL QUAL QUAL QUAL	CS_OFFL_SIR_IOPR_2_20230302T222710_20230302T222856_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records

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CS_OFFL_SIR_IOPR_2_20230302T222958_20230302T223141_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_20230302T234526_20230302T235543_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	s, which are summarised below.	
> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set f	or products over sea ice, which is to be expected	ed. The number of products with this error flag set is given below.
Number of products with errors: 189		
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 mea	surement record. The bit value of this flag indic	ates any problems when set.
> Ocean Retracking Quality Flag: This flag is currently set for products over	r land and sea ice, but this is to be expected. The	he number of products with this error flag set is given below.
Number of products with errors: 59		
L2 Retracking Flags (20 Hz PLRM)		
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz PLR	M measurement record. The bit value of this fla	g indicates any problems when set.
> Ocean Retracking Quality Flag (PLRM): This flag is currently set for productive below.	ucts IOPR and IOPN products over sea ice, but	t this is to be expected. The number of products with this error flag set is
Number of products with errors: 144		
6. IOP L	2 Pole-to-Pole Data Quality	Check
6.1 P2P Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0	ensure it consists of both an XML header file (.	HDR) and a NetCDF product file (.nc).
6.2 P2P Product Header Analysis		
For all products, a series of pre-defined checks are performed on the MPH an	nd SPH in order to identify any inconsistencies a	and/or errors raised by the around-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 pr	re-determined baseline and also to check the va	alidity of Auxiliary Data Files is correct.
Number of products with errors: 0		
6.4 P2P Auxiliary Correction Error Check		
For all products, the auxiliary corrections within the Geophysical Group are ch	acked for the default error value (22767)	
Currently, there are some common auxiliary correction errors raised in t		e to surface type. All common flags are summarised in the list below.
followed by a table highlighting any additional issues which may arise f		,
> ECMWF Meteo Corrections: Currently the following corrections are not con Correction and the U-Wind and V-Wind components of the ECMWF model wint not reported in the table below.		
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for	or products over sea ice, but this is to be expect	ied.
> Mean Sea Surface: The error value is currently set for products over land a	and sea ice, but this is to be expected.	
> Mean Dynamic Topography: The error value is currently set for products of	over land and sea ice, but this is to be expected	L.
> Altimetric Wind Speed Error: The error value is currently set for products	over land and sea ice, but this is to be expecte	d.
Number of products with errors: 30		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20230301T235522_20230302T004500_C001	Mean Sea Surface (1), Mean 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_220230302T004500_20230302T013437_C001	Mean Sea Surface (1), Mean 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_220230302T013437_20230302T022414_C001	Mean Sea Surface (1), Mean 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_20230302T022414_20230302T031351_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic
CS_OFFL_SIR_IOP_2_20230302T031351_20230302T040329_C001	Mean Sea Surface (1), Mean 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_220230302T040329_20230302T045306_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic
CS_OFFL_SIR_IOP_2_20230302T045306_20230302T054244_C001	Mean Sea Surface (1), Mean 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_20230302T054244_20230302T063221_C001	Mean Sea Surface (1), Mean 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__20230302T063221_20230302T072158_C001

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

Corper_Sin_Dim_2_coussider tool ins_outcoust tool ins_coussile Topography (1) Topography (1) Cs_OFFL_SIN_Dim_2_coussider tool ins_outcoussile Mean Sea Surface (1), Mean Dynamic There is an enror with the MSS height (outcom 1) and the Mean Dynamic Cs_OFFL_SIN_Dim_2_coussider tool ins_outcoussile Mean Sea Surface (1), Mean Dynamic There is an enror with the MSS height (outcom 1) and the Mean Dynamic Cs_OFFL_SIN_Dim_2_coussider tool insol Mean Sea Surface (1), Mean Dynamic There is an enror with the MSS height (outcom 1) and the Mean Dynamic Cs_OFFL_SIN_Dim_2_coussider tool insol Mean Sea Surface (1), Mean Dynamic There is an enror with the MSS height (outcom 1) and the Mean Dynamic Cs_OFFL_SIN_Dim_2_coussider tool insol Mean Sea Surface (1), Mean Dynamic There is an enror with the MSS height (outcom 1) and the Mean Dynamic Cs_OFFL_SIN_DIM_2_coussider tool insol Mean Sea Surface (1), Mean Dynamic There is an enror with the MSS height (outcom 1) and the Mean Dynamic Cs_OFFL_SIN_DIM_2_coussider tool insol Mean Sea Surface (1), Mean Dynamic There is an enror with the MSS height (outcom 1) and the Mean Dynamic Cs_OFFL_SIN_DIM_2_coussider tool insol Mean Sea Surface (1), Mean Dynamic There is an enror with the MSS height (outcom 1) and the Mean Dynamic Cs_OFFL_SIN_DIM_2_coussider tool insol Mean Sea Surface (1), Mean Dynamic There is an enror wi	CS_OFFL_SIR_IOP_220230302T072158_20230302T081136_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CB_OFFL_SIR_IOP_2_0230302T109050_02230302T104028_0001 Topography (1) Topography (2) CB_OFFL_SIR_IOP_2_0230302T104028_0230302T104028_0001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn Topography (2) CB_OFFL_SIR_IOP_2_0230302T113006_0230302T1121942_0001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn Topography (2) CB_OFFL_SIR_IOP_2_0230302T113006_0230302T1121942_0001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn Topography (1) CB_OFFL_SIR_IOP_2_0230302T113006_0230302T113067_0001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn Topography (1) CB_OFFL_SIR_IOP_2_0230302T113000_02230302T113067_0001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1), and the Mean Dyn Topography (1) Trait Generation Coan Tode (FCFL, Mean Dynamic CB_OFFL_SIR_IOP_2_0230302T113057_0230302T113587_0001 Mean Sea Surface (1), Mean Dynamic Topography (1), Trait Generation Coan Tode (FCFL, Mean Dynamic CB_OFFL_SIR_IOP_2_0230302T1135857_00001 Mean Sea Surface (1), Mean Dynamic Topography (1), Trait Generation Coan Topography (1	CS_OFFL_SIR_IOP_2_20230302T081136_20230302T090113_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_UP_2_accessore2114062, 0001 Topography (1) Topography (1) Topography (1) Topography (1) Topography leght (calutor 1) Top	CS_OFFL_SIR_IOP_220230302T090113_20230302T095050_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_DFR_SIR_JOP_2_B023002T113006_02230302T121942_0001 Topography (i) Topography (i) CS_OFFL_SIR_JOP_2_0230302T113006_02230302T121942_0001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_JOP_2_20230302T1130800_20230302T130800_0001 Man Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dyn Topography height (solution 1) and the Mean Dyn Topography height (solution 1), and the Mean Dyn Topography height (solution 1), and the Mean Dyn Topography height (solution 1), and the Mean Dynamic Top (STR)_SIR_JOP_2_20230302T138807_20230302T144834_0001 There is an error with the MSS height (solution 1), and the Mean Dynamic Topography (1) CS_OFFL_SIR_JOP_2_20230302T144834_20230302T144834_0001 Mean Sea Surface (1), Mean Dynamic Topography (1) Topography (1) CS_OFFL_SIR_JOP_2_20230302T144834_20230302T153812_C001 Topography (1) Topography (1) Topography (1) CS_OFFL_SIR_JOP_2_20230302T162749_20230302T17256_C001 Topography (1) Topography (1) Topography (1) CS_OFFL_SIR_JOP_2_20230302T162749_20230302T17276_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) Topography (1) Topography (1) CS_OFFL_SIR_JOP_2_20230302T162749_20230302T17726_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) Topography (1) Topography (1) CS_OFFL_SIR_JOP_2_20230302T162749_20230302T162749_20230302T162749_20230302T162749_20230302T164674_0001 Mean Sea Surface (1)	CS_OFFL_SIR_IOP_2_20230302T095050_20230302T104028_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_JOP_2_a023002113807_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002113980_a023002114834_a0001 The sas surface (1), Mean Dynamic Topography (1) The is an error with the MSS height (solution 1), and the Mean Dynamic Topography (1) CS_OFFL_SIR_JOP_2_a0230002113980_a023002113980_a023002113980_a023002114834_a0001 Mean Ses Surface (1), Mean Dynamic Topography (1) The is an error with the MSS height (solution 1), and the Mean Dynamic Topography (1) CS_OFFL_SIR_JOP_2_a0230002114834_a023002114834_a0001 Mean Ses Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_JOP_2_a0230002114834_a0230021153912_c001 Mean Ses Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_JOP_2_a02200021158912_a0230021171726_0001 Mean Ses Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_JOP_2_a02200021158912_a0230021171726_0001 Mean Ses Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_JOP_2_a02200021198074_a0230021198641_c0001 Mean Ses Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solutio	CS_OFFL_SIR_IOP_220230302T104028_20230302T113005_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CB_UFFL_SIP_UOP_2_20230302T130802_102192 Topography (1) Topography (1) CS_OFFL_SIP_UOP_2_20230302T130802_02130807_C001 There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Toe There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Toe CS_OFFL_SIP_UOP_2_20230302T130807_203302T144834_0001 Mean Sas Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Toe There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1), Total Geocentric Ocean Toe There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Tree (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tree (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tree (1), Total Geocentric Ocean Tree (1), Total Geocentric Ocean Tree (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tree (2), Mean Dynamic Topography height (edution 1) and the Mean Dyn Topogra	CS_OFFL_SIR_IOP_220230302T113005_20230302T121942_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230302T130920_20230302T135857_C001 Troopgraphy (1), Total Geocentric Cocean Tride (FES), Non-Equilibrium Long Period Ocean Tride There is an error with the MSS height (solution 1), and idal corrections for one or more necod Ocean Tride CS_OFFL_SIR_IOP_2_20230302T135857_20230302T144834_C001 Mean Sas Surface (1), Mean Dynami Troopgraphy (10) There is an error with the MSS height (solution 1), and idal corrections for one or more necod Troopgraphy (10) CS_OFFL_SIR_IOP_2_20230302T144834_20230302T153812_C001 Mean Sas Surface (1), Mean Dynami Trade (FCS), Non-Equilibrium Long Period Ocean Tride There is an error with the MSS height (solution 1), ithe Mean Dynami Trade (FCS), Non-Equilibrium Long Period Ocean Tride CS_OFFL_SIR_IOP_2_20230302T162749_20230302T162749_C001 Mean Sas Surface (1), Mean Dynami Troopgraphy (10), Total Geocentric Ocean Tride (FCS), Non-Equilibrium Long Period Ocean Tride There is an error with the MSS height (solution 1), ithe Mean Dynami Troopgraphy (10) CS_OFFL_SIR_IOP_2_20230302T162749_20230302T162749_C001 Mean Sas Surface (1), Mean Dynami Troopgraphy (10) There is an error with the MSS height (solution 1) and the Mean Dyn Troopgraphy (10) CS_OFFL_SIR_IOP_2_20230302T162749_20230302T162749_C001 Mean Sas Surface (1), Mean Dynami Troopgraphy (10) There is an error with the MSS height (solution 1) and the Mean Dyn Troopgraphy (10) CS_OFFL_SIR_IOP_2_20230302T180704_20230302T186641_C001 Mean Sas Surface (1), Mean Dynami Troopgraphy (10) There is an error with the MSS height (solution 1) and the Mean Dyn Troopgraphy height (solution 1)	CS_OFFL_SIR_IOP_220230302T121942_20230302T130920_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230302T13985/_20230302T144834_20001 Topography (1) Topography (2) CS_OFFL_SIR_IOP_2_20230302T144834_20230302T153812_0001 Mean Sea Surface (1), Mean Dynamic Topography (1) Topography (2) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (2) CS_OFFL_SIR_IOP_2_20230302T153812_20230302T162749_0001 Mean Sea Surface (1), Mean Dynamic Topography (2) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOP_2_20230302T162749_20230302T162749_0001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOP_2_20230302T162749_20230302T162749_0001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOP_2_20230302T17728_20230302T187641_0001 Mean Sea Surface (1), Mean Dynamic Topography (2) There is an error with the MSS height (solution 1) and the Mean Dyn Topography (2) CS_OFFL_SIR_IOP_2_20230302T185641_20230302T195656_0001 Mean Sea Surface (1), Mean Dynamic Topography (2) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T194619_20230302T125556_0001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1)	CS_OFFL_SIR_IOP_220230302T130920_20230302T135857_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	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_20230302T144834_20230302T153812_C001 Topography (1), Total Geocentric Ocean Tide (CS), Non-Equilibrium Long Period CS_OFFL_SIR_IOP_2_20230302T162749_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1), and tidal corrections for one or more record Topography (1) CS_OFFL_SIR_IOP_2_20230302T162749_20230302T162749_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), and tidal corrections for one or more record Topography (1) CS_OFFL_SIR_IOP_2_20230302T162749_20230302T171726_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (COT) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (SOT) CS_OFFL_SIR_IOP_2_20230302T171726_20230302T180704_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T180704_20230302T186641_20230302T186641_20230302T186641_001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography (1) CS_OFFL_SIR_IOP_2_20230302T186641_20230302T186641_20230302T1203566_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography (1) CS_OFFL_SIR_IOP_2_20230302T203566_20230302T212533_0021 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) There is an error with the MSS height (CS_OFFL_SIR_IOP_220230302T135857_20230302T144834_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230302T162749_20230302T171726_C001 Topography (1) Topography (eslution 1), the Total Geocentric Ocean Tide (solution 1) CS_OFFL_SIR_IOP_2_20230302T162749_20230302T171726_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1) CS_OFFL_SIR_IOP_2_20230302T171726_20230302T180704_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1) CS_OFFL_SIR_IOP_2_20230302T180704_20230302T185641_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) CS_OFFL_SIR_IOP_2_20230302T185641_20230302T194619_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) CS_OFFL_SIR_IOP_2_20230302T185641_20230302T194619_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) CS_OFFL_SIR_IOP_2_20230302T194619_20230302T203556_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) CS_OFFL_SIR_IOP_2_20230302T194619_20230302T212533_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) CS_OFFL_SIR_IOP_2_20230302T212533_20230302T212533_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) CS_OFFL_SIR_IOP_2_20230302T212533_20230302T212533_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOP_2_20230302T212533_20230302T212533_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1), the Mean Dynamic Topography (1) There is an error with the MSS hei	CS_OFFL_SIR_IOP_220230302T144834_20230302T153812_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	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_20230302T162749_20230302T171726_C001 Topography (1). Total Geocentric Ocean Topography (solution 1), the Total Geocentric Ocean CS_OFFL_SIR_IOP_2_20230302T171726_20230302T180704_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn CS_OFFL_SIR_IOP_2_20230302T180704_20230302T185641_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn CS_OFFL_SIR_IOP_2_20230302T185641_20230302T185641_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn CS_OFFL_SIR_IOP_2_20230302T194619_20230302T194619_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn CS_OFFL_SIR_IOP_2_20230302T194619_20230302T203556_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn CS_OFFL_SIR_IOP_2_20230302T203556_20230302T212533_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1). CS_OFFL_SIR_IOP_2_20230302T212533_20230302T221510_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1). CS_OFFL_SIR_IOP_2_20230302T21510_20230302T2235425_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1). CS_OFFL_SIR_IOP_2_20230302T221510_20230302T235425_C001 Mean Se	CS_OFFL_SIR_IOP_220230302T153812_20230302T162749_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230302T185641_C001 Topography (1) Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T185641_2003002T185641_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T185641_20230302T194619_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T194619_20230302T203556_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T203556_20230302T212533_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T212533_20230302T212533_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Topography (1), Total Geocentric Ocean Tide (GOT) for one or more records CS_OFFL_SIR_IOP_2_20230302T212510_20230302T2230448_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T212510_20230302T2235425_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography	CS_OFFL_SIR_IOP_220230302T162749_20230302T171726_C001	Topography (1), Total Geocentric Ocean	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_20230302T185641_20230302T194619_C001 Topography (1) Topography (1) CS_OFFL_SIR_IOP_2_20230302T185641_20230302T194619_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T194619_20230302T203556_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T203556_20230302T212533_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T212533_20230302T212533_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography (1), the Total Geocentric Ocean Topography (1), the Total Geocentric Ocean Topography (1), the Total Geocentric Ocean Topography height (solution 1), the Mean Dynamic Topography (1) CS_OFFL_SIR_IOP_2_20230302T221510_20230302T230448_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography (1) CS_OFFL_SIR_IOP_2_20230302T2230448_20230302T235425_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T235425_20230303T004403_C001 Mean Sea Surface (1), Mean Dynamic Topogr	CS_OFFL_SIR_IOP_2_20230302T171726_20230302T180704_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230302T194619_20230302T203556_C001 Topography (1) Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T203556_20230302T212533_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T212533_20230302T212533_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T212533_20230302T221510_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 GOT) for one or more records CS_OFFL_SIR_IOP_2_20230302T221510_20230302T230448_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T230448_20230302T235425_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T235425_2023030T235425_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T235425_2023030T04403_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) <td>CS_OFFL_SIR_IOP_220230302T180704_20230302T185641_C001</td> <td></td> <td>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)</td>	CS_OFFL_SIR_IOP_220230302T180704_20230302T185641_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230302T194619_20230302T203556_0001 Topography (1) Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T203556_20230302T212533_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T212533_20230302T221510_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) CS_OFFL_SIR_IOP_2_20230302T221510_20230302T230448_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T230448_20230302T235425_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T235425_2023033T004403_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1)	CS_OFFL_SIR_IOP_220230302T185641_20230302T194619_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230302T203355_20230302T212533_C001 Topography (1) Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T212533_20230302T221510_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 GOT) for one or more records CS_OFFL_SIR_IOP_2_20230302T221510_20230302T230448_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T230448_20230302T235425_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T235425_202303T004403_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1)	CS_OFFL_SIR_IOP_220230302T194619_20230302T203556_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230302T212533_20230302T221510_C001 Topography (1), Total Geocentric Ocean Topography (solution 1), the Total Geocentric Ocean Tide (solution 1) CS_OFFL_SIR_IOP_2_20230302T221510_20230302T230448_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn CS_OFFL_SIR_IOP_2_20230302T230448_20230302T235425_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn CS_OFFL_SIR_IOP_2_20230302T235425_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn CS_OFFL_SIR_IOP_2_20230302T235425_2003 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn CS_OFFL_SIR_IOP_2_20230302T235425_202303T004403_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn CS_OFFL_SIR_IOP_2_20230302T235425_202303T004403_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn CS_OFFL_SIR_IOP_2_20230302T235425_2023030T004403_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dyn CS_OFFL_SIR_IOP_3_20230302T235425_2023030T004403_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1)	CS_OFFL_SIR_IOP_2_20230302T203556_20230302T212533_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20230302T230448_20230302T235425_C001 Topography (1) Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T230448_20230302T235425_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1) CS_OFFL_SIR_IOP_2_20230302T235425_2023030T004403_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography height (solution 1)	CS_OFFL_SIR_IOP_2_20230302T212533_20230302T221510_C001	Topography (1), Total Geocentric Ocean	
CS_OFFL_SIR_IOP_2_202303021235425_202303021235425_C001 Topography (1) Topography height (solution 1) CS_OFFL_SIR_IOP_2_202303021235425_2023030T004403_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dyn Topography (1)	CS_OFFL_SIR_IOP_2_20230302T221510_20230302T230448_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic
Topography (1) Topography height (solution 1)	CS_OFFL_SIR_IOP_2_20230302T230448_20230302T235425_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
6.5 P2P Measurement Confidence Data Check	CS_OFFL_SIR_IOP_220230302T235425_20230303T004403_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
	6.5 P2P Measurement Confidence Data Check		
CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.	CryoSat P2P data includes a measurement confidence flag for each 20-Hz mea	surement record. The bit value of this flag ind	icates any problems when set.

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 fr below.	om the L2 Quality Flags, please see Section 5.6 for the full list of products affected. The number of P2P products affected is given			
Number of products with errors:	30			
P2P Quality Flags (20 Hz PLRM)				
Since the P2P Quality Flags are copied directly fr below.	om the L2 Quality Flags, please see Section 5.6 for the full list of products affected. The number of P2P products affected is given			
Number of products with errors:	28			
P2P Quality Flags (1 Hz & 1 Hz PLRM)				
Since the P2P Quality Flags are copied directly fr below.	om the L2 Quality Flags, please see Section 5.6 for the number of L2 products affected. The number of P2P products affected is given			
Number of products with errors:	30			
6.8 P2P Ocean Retracking Quality C	Check			
P2P Retracking Flags (20 Hz)				
Cryosat P2P data includes an ocean retracking qualit	y 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.

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.

0

2122

28

30

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	184	184	3	181	0
SIR_IOPR1B	153	98	2	96	0
SIR_IOPN1B	98	153	1	152	0
SIR_IOPM_2	184	184	130	54	0
SIR_IOPR_2	153	98	36	62	0
SIR_IOPN_2	98	153	73	80	0
SIR_IOP_P2P	29	29	0	29	0

7.1 QCC Errors

Number of QCC reports with errors:

7.2 QCC Warnings

Number of QCC reports with warnings

	Total number of occurrences of each warning						
Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
SIR_IOPM1B	181	0	0	0	0	0	0
SIR_IOPM_2	0	34	30	0	47	0	42
SIR_IOPN1B	95	0	0	0	0	0	0
SIR_IOPN_2	0	12	29	6	27	30	19
SIR_IOPR1B	150	0	0	0	0	0	0
SIR_IOPR_2	0	28	43	0	31	18	9

Product Type	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	0	28	0	0	0	0	23
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	0	0	0	14	0	28	0
SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	1	0	47	0	51	0	0
Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
Product Type SIR_IOPM1B	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF 0	RSSHAOFDNCDF 0	RSSHAOFDPLRMNCDF	RSSHAONCDF 0	RSWHOEPFDNCDF 0
	RPEPOPSARNCDF 0 0	RPEPOPSINNCDF 0 0	0	RSSHAOFDNCDF 0 25	RSSHAOFDPLRMNCDF 0 0	RSSHAONCDF 0 6	RSWHOEPFDNCDF 0 32
SIR_IOPM1B	RPEPOPSARNCDF 0 0 0	RPEPOPSINNCDF 0 0 0	0	0	RSSHAOFDPLRMNCDF 0 0 0	RSSHAONCDF 0 6 0	0
SIR_IOPM1B SIR_IOPM_2	RPEPOPSARNCDF 0 0 0 0 0 0	RPEPOPSINNCDF 0 0 0 21	0 13 0	0 25 0	0 0 0 0	0 6 0	0
SIR_IOPM1B SIR_IOPM_2 SIR_IOPN1B	RPEPOPSARNCDF 0 0 0 0 0 0 0 0 0 0	RPEPOPSINNCDF 0 0 0 21 0	0 13 0	0 25 0	0 0 0 0	0 6 0	0 32 0

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-	-
SIR_IOPM1B	0	0	0	0	0		
SIR_IOPM_2	0	2	0	0	0		
SIR_IOPN1B	0	0	0	47	1		
SIR_IOPN_2	24	8	1	0	0		
SIR_IOPR1B	0	0	0	152	4		
SIR_IOPR_2	35	2	2	0	0		

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
SIR_IOP_2_	12	28	28	6	29	16	27
Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_IOP_2_	15	26	19	19	28	18	26
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-	-
SIR_IOP_2_	28	16	10	29			
Product Type	-	-	-	-	-	-	-
SIR_IOP_2_							

Test Description Key:						
Abbreviation	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean				
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
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
	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
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

Number of products with missing QCC reports:

0