

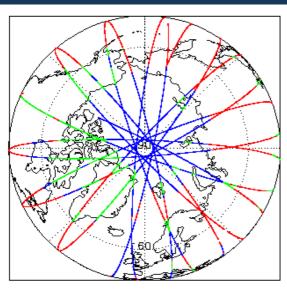
1. Overview

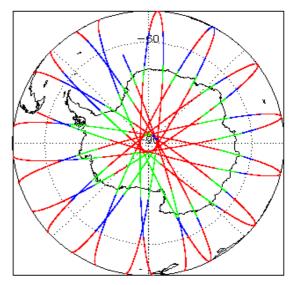
Report Production:	10-Aug-2022		
Processor Used:	CryoSat Ocean Processor		
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data		

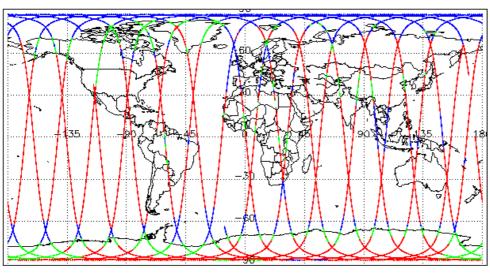
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Fail	Nominal
Product Format Check	See Sections 4.1 and 5.1	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.2	See Section 7.2

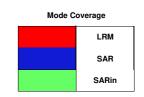
1	Mission / Instrument News	
	06-Aug-2022	None
	07-Aug-2022	None
	08-Aug-2022	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors: No

Product	Test Failed
CS_OFFL_SIR_IOPM1B_20220807T000000_20220807T003518_C001	There was no header file for this product.

4.2 L1B Product Header Analysis

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

lumber of products with errors:

0

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

2

Product	Test Failed	Description
CS OFFL SIR IOPM1B 20220807T040922 20220807T044147 C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
= =	ů .	records
CS OFFL SIR IOPM1B 20220807T163612 20220807T170850 C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
00_011E_011E_011E_00EE0007110001E_E0EE00071170000_0001	1 Ower scaling error	records
CS OFFL SIR IOPM1B 20220807T175224 20220807T175727 C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
C3_OFFE_SIN_IOFWIB_202200071173224_202200071173727_0001	rower scaling error	records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

__

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20220807T000000_20220807T003518_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20220807T014535_20220807T015735_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20220807T024813_20220807T030306_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20220807T040922_20220807T044147_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20220807T140500_20220807T142000_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20220807T213257_20220807T220553_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20220807T012428_20220807T012548_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20220807T013010_20220807T013103_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20220807T030422_20220807T030718_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20220807T030807_20220807T030937_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20220807T030940_20220807T031018_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20220807T130921_20220807T131405_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20220807T144826_20220807T144935_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20220807T162744_20220807T163336_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20220807T180234_20220807T180306_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20220807T211708_20220807T211809_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220807T035310_20220807T035424_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220807T095237_20220807T095249_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220807T100122_20220807T100446_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220807T112201_20220807T112919_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220807T142001_20220807T142202_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220807T234437_20220807T234637_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220807T235810_20220808T000205_C001	Loss of Echo	The tracking echo is missing for one or more records
	<u> </u>	

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: Not 0

Product	Test Failed
CS_OFFL_SIR_IOPM_2_20220807T000000_20220807T003518_C001	There was no header file for this product.

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

5.4 L2 Auxiliary Correction Error Check

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

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

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

Number of products with errors: 51

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20220807T015940_20220807T021430_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_20220807T061342_20220807T061519_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_20220807T182035_20220807T182159_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_20220807T004613_20220807T004759_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_20220807T012428_20220807T012548_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_20220807T013010_20220807T013103_C001	Mean Sea Surface (1), Mean 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_20220807T022414_20220807T022634_C001	Mean Sea Surface (1), Mean 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_20220807T030422_20220807T030718_C001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOPN_2_20220807T030807_20220807T030937_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_20220807T030940_20220807T031018_C001	Mean Sea Surface (1), Mean 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_20220807T035424_20220807T035628_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_20220807T040313_20220807T040746_C001	Mean Sea Surface (1), Mean 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_20220807T044450_20220807T044842_C001	Mean Sea Surface (1), Mean 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_20220807T053438_20220807T053711_C001	Mean Sea Surface (1), Mean 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_20220807T054432_20220807T054615_C001	Mean Sea Surface (1), Mean 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_20220807T072331_20220807T072507_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_20220807T090029_20220807T090348_C001	Mean Sea Surface (1), Mean 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_20220807T103257_20220807T103416_C001	Mean Sea Surface (1), Mean 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_20220807T103926_20220807T104236_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_20220807T121352_20220807T121630_C001	Mean Sea Surface (1), Mean 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_20220807T130921_20220807T131405_C001	Mean Sea Surface (1), Mean 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_20220807T135303_20220807T135539_C001	Mean Sea Surface (1), Mean 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_20220807T162744_20220807T163336_C001	Mean Sea Surface (1), Mean 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_20220807T171033_20220807T171221_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_20220807T172033_20220807T172257_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_20220807T180756_20220807T181205_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_20220807T194955_20220807T195411_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records

CS_OFFL_SIR_IOPN_2_20220807T203010_20220807T203342_C001	Mean Sea Surface (1), Mean 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_20220807T220925_20220807T221246_C001	Mean Sea Surface (1), Mean 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_20220807T221759_20220807T221923_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_20220807T230009_20220807T230131_C001	Mean Sea Surface (1), Mean 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_20220807T235701_20220807T235810_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_20220807T013103_20220807T013644_C001	Mean Sea Surface (1), Mean 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_20220807T031019_20220807T031716_C001	Mean Sea Surface (1), Mean 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_20220807T044843_20220807T045359_C001	Mean Sea Surface (1), Mean 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_20220807T062642_20220807T063605_C001	Mean Sea Surface (1), Mean 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_20220807T080441_20220807T081214_C001	Mean Sea Surface (1), Mean 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_20220807T082129_20220807T082327_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_20220807T094325_20220807T095018_C001	Mean Sea Surface (1), Mean 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_20220807T095019_20220807T095141_C001	Mean Sea Surface (1), Mean 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_20220807T112201_20220807T112919_C001	Mean Sea Surface (1), Mean 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_20220807T112919_20220807T113206_C001	Mean Sea Surface (1), Mean 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_20220807T130354_20220807T130812_C001	Mean Sea Surface (1), Mean 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_20220807T130813_20220807T130921_C001	Mean Sea Surface (1), Mean 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_20220807T144141_20220807T144422_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_20220807T144422_20220807T144826_C001	Mean Sea Surface (1), Mean 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_20220807T162126_20220807T162744_C001	Mean Sea Surface (1), Mean 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_20220807T180306_20220807T180756_C001	Mean Sea Surface (1), Mean 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_20220807T194045_20220807T194954_C001	Mean Sea Surface (1), Mean 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_20220807T212052_20220807T212850_C001	Mean Sea Surface (1), Mean 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_20220807T230131_20220807T230916_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20220807T040922_20220807T044147_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM_2_20220807T163612_20220807T170850_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM_2_20220807T175224_20220807T175727_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20220807T000000_20220807T003518_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_20220807T003751_20220807T004313_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_20220807T005415_20220807T010646_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_20220807T010654_20220807T012427_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_20220807T014431_20220807T014435_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_20220807T014535_20220807T015735_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_20220807T015940_20220807T021430_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_20220807T021711_20220807T022211_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_20220807T023128_20220807T024153_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_20220807T024813_20220807T030306_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_20220807T033517_20220807T033540_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_20220807T033939_20220807T035309_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_20220807T035628_20220807T040124_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_20220807T040922_20220807T044147_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_20220807T050939_20220807T053051_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_20220807T053712_20220807T054041_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_20220807T054104_20220807T054432_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_20220807T054754_20220807T061339_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_20220807T064719_20220807T071158_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_20220807T071455_20220807T071956_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_20220807T072003_20220807T072331_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_20220807T072751_20220807T080121_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_20220807T081331_20220807T082014_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_20220807T082645_20220807T083348_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_20220807T084644_20220807T085103_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_20220807T085455_20220807T090028_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_20220807T090750_20220807T094040_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_20220807T094046_20220807T094325_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_20220807T095250_20220807T095438_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_20220807T101300_20220807T102903_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_20220807T103417_20220807T103925_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_20220807T104618_20220807T110336_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_20220807T111544_20220807T112201_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_20220807T113206_20220807T113244_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_20220807T113300_20220807T113347_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_20220807T114403_20220807T114824_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_20220807T114919_20220807T120657_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_20220807T122605_20220807T124047_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_20220807T124207_20220807T124251_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_20220807T124732_20220807T130159_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_20220807T131425_20220807T133220_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_20220807T133346_20220807T134744_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_20220807T135539_20220807T135740_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_20220807T135848_20220807T140242_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_20220807T140500_20220807T142000_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_20220807T142202_20220807T143125_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_20220807T145406_20220807T151026_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_20220807T152629_20220807T152846_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_20220807T153345_20220807T154145_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_20220807T154443_20220807T155909_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_20220807T161405_20220807T161530_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_20220807T163612_20220807T170850_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_20220807T171458_20220807T172032_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_20220807T172449_20220807T174819_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_20220807T182203_20220807T184728_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_20220807T185432_20220807T185909_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_20220807T185958_20220807T190027_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_20220807T190335_20220807T192344_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_20220807T192347_20220807T193023_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_20220807T193136_20220807T193413_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_20220807T193446_20220807T194045_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_20220807T195412_20220807T202544_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_20220807T203342_20220807T203915_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_20220807T204238_20220807T204702_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_20220807T205026_20220807T205744_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_20220807T205918_20220807T210446_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_20220807T211132_20220807T211250_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_20220807T211250_20220807T211358_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_20220807T211809_20220807T212052_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_20220807T213257_20220807T220553_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_20220807T221246_20220807T221759_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_20220807T222307_20220807T223942_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_20220807T230917_20220807T233152_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_20220807T233301_20220807T234436_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_20220807T234856_20220807T235246_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_20220807T080337_20220807T080441_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_20220807T095211_20220807T095237_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_20220807T114824_20220807T114919_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
	I	I

CS_OFFL_SIR_IOPN_2_20220807T121352_20220807T121630_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_20220807T130326_20220807T130354_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_20220807T140243_20220807T140422_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_20220807T175036_20220807T175223_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_20220807T212850_20220807T213033_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_20220807T230009_20220807T230131_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_20220807T030718_20220807T030806_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_20220807T081240_20220807T081331_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_20220807T095207_20220807T095211_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_20220807T104237_20220807T104617_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_20220807T124048_20220807T124207_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_20220807T153111_20220807T153121_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

Number of products with errors:

85

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20220807T003623_20220807T003751_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_20220807T013010_20220807T013103_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_20220807T014448_20220807T014534_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_20220807T021529_20220807T021711_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_20220807T022414_20220807T022634_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_20220807T024154_20220807T024259_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_20220807T030422_20220807T030718_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_20220807T040313_20220807T040746_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_20220807T044450_20220807T044842_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_20220807T050336_20220807T050449_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_20220807T054432_20220807T054615_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or

CS_OFFL_SIR_IOPN_2_20220807T063704_20220807T063816_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_20220807T064255_20220807T064335_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_20220807T071325_20220807T071455_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_20220807T083349_20220807T083722_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_20220807T085339_20220807T085454_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_20220807T095439_20220807T095553_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_20220807T101124_20220807T101259_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_20220807T114824_20220807T114919_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_20220807T121352_20220807T121630_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_20220807T135741_20220807T135847_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_20220807T144826_20220807T144935_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_20220807T145044_20220807T145214_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20220807T154146_20220807T154334_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_IOPN_2_20220807T160853_20220807T161233_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_20220807T161324_20220807T161330_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_20220807T162744_20220807T163336_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_20220807T171033_20220807T171221_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_20220807T172033_20220807T172257_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_20220807T175818_20220807T175854_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_20220807T180756_20220807T181205_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_20220807T181251_20220807T181413_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_20220807T181440_20220807T181842_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_20220807T194955_20220807T195411_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_20220807T203010_20220807T203342_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_20220807T203915_20220807T204031_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_20220807T205744_20220807T205918_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_20220807T210838_20220807T211016_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
	PLRM	set for one or more records
CS_OFFL_SIR_IOPN_2_20220807T211120_20220807T211132_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_20220807T212850_20220807T213033_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_20220807T223942_20220807T224304_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_20220807T230009_20220807T230131_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_20220807T235701_20220807T235810_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_20220807T003518_20220807T003623_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_20220807T004759_20220807T005415_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_20220807T013733_20220807T013827_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_20220807T022635_20220807T023127_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_20220807T024601_20220807T024713_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_20220807T031019_20220807T031716_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_20220807T033052_20220807T033516_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_20220807T033541_20220807T033938_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_20220807T053152_20220807T053438_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_20220807T062642_20220807T063605_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_20220807T063605_20220807T063657_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_20220807T071158_20220807T071325_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_20220807T072508_20220807T072750_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_20220807T080253_20220807T080337_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_20220807T080441_20220807T081214_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_20220807T082129_20220807T082327_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_20220807T084323_20220807T084643_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_20220807T085103_20220807T085338_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_20220807T095604_20220807T095910_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_20220807T102903_20220807T103257_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimates Dance CCUA CMU and Declaration Cuality Flore
CS_OFFL_SIR_IOPR_2_20220807T104237_20220807T104617_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_20220807T120658_20220807T121351_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_20220807T122402_20220807T122604_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_20220807T130200_20220807T130325_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_20220807T134744_20220807T135303_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_20220807T140422_20220807T140500_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_20220807T144141_20220807T144422_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_20220807T144422_20220807T144826_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_20220807T155909_20220807T160049_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_20220807T160049_20220807T160516_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_20220807T160519_20220807T160724_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_20220807T162126_20220807T162744_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_20220807T170850_20220807T171033_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_20220807T172257_20220807T172448_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_20220807T184729_20220807T185002_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_20220807T194045_20220807T194954_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_20220807T202544_20220807T203009_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_20220807T204031_20220807T204238_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_20220807T211358_20220807T211702_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_20220807T213034_20220807T213151_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_20220807T220553_20220807T220925_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_20220807T230131_20220807T230916_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

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

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

Number of products with errors:

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20 Hz)

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

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

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors: Not

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

139

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220220807T004314_20220807T013251_C001	Mean Sea Surface (1), Mean 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_20220807T013251_20220807T022229_C001	Mean Sea Surface (1), Mean 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_220220807T022229_20220807T031206_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_220220807T031206_20220807T040144_C001	Mean Sea Surface (1), Mean 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_220220807T040144_20220807T045121_C001	Mean Sea Surface (1), Mean 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_220220807T045121_20220807T054059_C001	Mean Sea Surface (1), Mean 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_20220807T054059_20220807T063036_C001	Mean Sea Surface (1), Mean 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_220220807T063036_20220807T072013_C001	Mean Sea Surface (1), Mean 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_20220807T072013_20220807T080950_C001	Mean Sea Surface (1), Mean 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_20220807T080950_20220807T085928_C001	Mean Sea Surface (1), Mean 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_20220807T085928_20220807T094905_C001	Mean Sea Surface (1), Mean 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_220220807T094905_20220807T103843_C001	Mean Sea Surface (1), Mean 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_220220807T103843_20220807T112820_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_220220807T112820_20220807T121758_C001	Mean Sea Surface (1), Mean 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_220220807T121758_20220807T130734_C001	Mean Sea Surface (1), Mean 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_20220807T130734_20220807T135712_C001	Mean Sea Surface (1), Mean 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_20220807T135712_20220807T144649_C001	Mean Sea Surface (1), Mean 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_220220807T144649_20220807T153627_C001	Mean Sea Surface (1), Mean 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_220220807T153627_20220807T162604_C001	Mean Sea Surface (1), Mean 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_220220807T162604_20220807T171542_C001	Mean Sea Surface (1), Mean 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_220220807T171542_20220807T180519_C001	Mean Sea Surface (1), Mean 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_220220807T180519_20220807T185457_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20220807T185457_20220807T194433_C001	Mean Sea Surface (1), Mean 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_220220807T194433_20220807T203411_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20220807T203411_20220807T212348_C001	Mean Sea Surface (1), Mean 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_20220807T212348_20220807T221326_C001	Mean Sea Surface (1), Mean 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_20220807T221326_20220807T230303_C001	Mean Sea Surface (1), Mean 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_220220807T230303_20220807T235241_C001	Mean Sea Surface (1), Mean 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_20220807T235241_20220808T004217_C002	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

2

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220220807T040144_20220807T045121_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOP_2_20220807T162604_20220807T171542_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOP_2_20220807T171542_20220807T180519_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20 Hz)

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

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

Number of products with errors: 3

P2P Quality Flags (20 Hz PLRM)

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

Number of products with errors: 29

P2P Quality Flags (1 Hz & 1 Hz PLRM)

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

Number of products with errors: 30

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

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

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

Number of products with errors:

P2P Retracking Flags PLRM

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

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

Number of products with errors:

30

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	154	154	4	150	0
SIR_IOPR1B	104	103	5	98	0
SIR_IOPN1B	103	104	0	104	0
SIR_IOPM_2	156	156	107	49	0
SIR_IOPR_2	104	103	42	61	0
SIR IOPN 2	103	104	29	75	0

	2	-	29	0			0
.1 QCC Errors							
umber of QCC report	s with errors:	0					
.2 QCC Warnin	gs						
umber of QCC report	s with warnings	2105					
Product Type	BCSHNCDF	MVIOEPFDNCDF	Total num	ber of occurrences of ea	ach warning RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	DRBSZOPOEPNCDF
SIR_IOPM1B	150	0	0	0	0	0	0
SIR_IOPM_2	0	37	39	0	46	0	38
SIR_IOPN1B SIR_IOPN_2	96 0	0 10	0 28	0 5	0 22	0 21	0 18
SIR IOPRIB	101	0	0	0	0	0	0
SIR_IOPR_2	0	32	44	0	37	32	21
Dura durat Trans	RNELPOTONCDF	RPEPOPFDLRMNCDF	DDEDODEDDI DMCADNO	RPEPOPFDPLRMSINNCD	A DDEDODEDC A DNODE	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
Product Type SIR IOPM1B	0	0	0	0	0	0	0
SIR IOPM 2	1	34	0	0	0	0	29
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	0	0	0	26	0	31	0
SIR_IOPR1B SIR_IOPR_2	0	0	0	0	53	0	0
SIN_IOFN_2	10	0	77	U	30	O .	Į0
Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2 SIR_IOPN1B	0	0	9	26 0	0	3	32 0
SIR_IOPNIB SIR IOPN 2	0	27	21	41	52	30	23
SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	46	0	0	61	47	11	37
Droduct Town	RSWHOEPFDPLRMNCDF	DSWHOEDNODE	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	L	
Product Type SIR IOPM1B	0	0	0	0	0		-
SIR_IOPM_2	0	2	0	0	0		
SIR_IOPN1B	0	0	0	47	0		
SIR_IOPN_2	29	8	2	0	0		
SIR_IOPR1B SIR_IOPR_2	0 48	0	0	104	3		
SIN_IOFN_2	40	1	2	U	U		
Product Type SIR_IOP_2_	IOHHMOOR 14	MVIOEPFDNCDF 29	MVIOEPNCDF 29	MVIONCDF 4	RBSZOPOEPFDNCDF 29	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF 29
Dura durat Trans	RPEPOPFDPLRMSINNCD	PDEDODEDCINNODE	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
Product Type SIR_IOP_2_	16	29	23	21	29	19	25
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNODE	SPHLPQWNCDF	_	-	
SIR IOP 2	29	17	10	29			
0117101777	120	1					
Product Type	-	-	•	-	-	-	-
SIR_IOP_2_							
est Description Key:							
bbreviation	Test name			Details			
CSHNCDF	BurstCounterStep20HzNetC	DDF		The burst counter should b	e one higher with regard to the	ne previous burst counter	
VIOEPFDNCDF	MissingValueIntOceanExclu	JdingPolarFD2NetCDF		The value should not be a	missing value' for surface ty	be 0 only for latitudes between	en -70 and 70 degrees
VIOEPNCDF							
	MissingValueIntOceanExclu	adingPolarNetCDF		The value should not be a	missing value' for surface ty	be 0 only for latitudes between	en -70 and 70 degrees
	-	-				•	en -70 and 70 degrees
VIONCDF	MissingValueIntOceanExclu MissingValueIntOceanNetC	-		The value should not be a	missing value' for surface ty	pe 0 only	-
	-	CDF	FD2NetCDF	The value should not be a The backscatter sigma zero	missing value' for surface ty	pe 0 only	-
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM	MissingValueIntOceanNetC RangeBackscatterSigmaZe	CDF roOPOceanExcludingPolar		The value should not be a The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero	missing value' for surface ty o should be between 700 and es o should be between 700 and	pe 0 only 17500 (or missing) for surface	ce type = ocean for latitude
VIONCDF	MissingValueIntOceanNetC	CDF roOPOceanExcludingPolar		The value should not be a The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree	missing value' for surface ty o should be between 700 and is o should be between 700 and	pe 0 only 17500 (or missing) for surface 17500 (or missing) for surface	ce type = ocean for latitude
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe	proOPOceanExcludingPolarl	FD2PLRMNetCDF	The value should not be a The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree	missing value' for surface ty, o should be between 700 and se o should be set o should be set o should be between 700 and se o should be set o should be	pe 0 only 17500 (or missing) for surface 17500 (or missing) for surface	ce type = ocean for latitude
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe	roOPOceanExcludingPolarl	FD2PLRMNetCDF	The value should not be a ' The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The Non-equilibrium long p	missing value' for surface ty, o should be between 700 and se o should be set o should be set o should be between 700 and se o should be set o should be	pe 0 only 1 7500 (or missing) for surface 1 7500 (or missing) for surface 1 7500 (or missing) for surface	ce type = ocean for latitude ce type = ocean for latitude ce type = ocean for latitude
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe	roOPOceanExcludingPolarl	FD2PLRMNetCDF	The value should not be a ' The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The Non-equilibrium long p surface type = ocean	missing value' for surface ty o should be between 700 and so should be between 700 and so should be between 700 and so should be between 700 and so seriod ocean loading tide heig	be 0 only 17500 (or missing) for surface	ce type = ocean for latitude ce type = ocean for latitude ce type = ocean for latitude m and 40mm (or missing)
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe	proOPOceanExcludingPolarieroOPOceanExcludingPolarieroOPOceanExcludingPolarieroOPOceanExcludingPolarieroNetCDF	FD2PLRMNetCDF	The value should not be a ' The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The Non-equilibrium long p surface type = ocean	missing value' for surface ty, o should be between 700 and se o	be 0 only 17500 (or missing) for surface	ce type = ocean for latitude ce type = ocean for latitude ce type = ocean for latitude m and 40mm (or missing)
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDLRMNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingf	copposed in the composition of the copposition of t	FD2PLRMNetCDF NetCDF	The value should not be a ' The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be band 70 degrees The Peakiness should be band 70 degrees	missing value' for surface ty o should be between 700 and so should be between 700 and so should be between 700 and so should be between 700 and so seriod ocean loading tide heig	be 0 only 17500 (or missing) for surfact 17500 (or missing) for surfact 17500 (or missing) for surfact 17500 (or missing) for surface type = ocean	ce type = ocean for latitude ce type = ocean for latitude ce type = ocean for latitude m and 40mm (or missing) i
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDPLRMSAR CDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingI	proOPOceanExcludingPolarications of the composition	FD2PLRMNetCDF NetCDF CDF	The value should not be a ' The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be band 70 degrees The Peakiness should be band 70 degrees	missing value' for surface type of should be between 700 and use of should be between 0 and 6400 (or mission between 0 and 15000 (or mission between 0 and	be 0 only 17500 (or missing) for surface 17500 (or missing) fo	ce type = ocean for latitude ce type = ocean for latitude ce type = ocean for latitude m and 40mm (or missing) in for latitudes between -70 on for latitudes between -70
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingt RangePeakinessExcludingt	proOPOceanExcludingPolarications of the composition	FD2PLRMNetCDF NetCDF CDF	The value should not be a ' The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be band 70 degrees The Peakiness should be band 70 degrees	missing value' for surface ty o should be between 700 and so should be between 700 and	be 0 only 17500 (or missing) for surface 17500 (or missing) fo	ce type = ocean for latitude ce type = ocean for latitude ce type = ocean for latitude m and 40mm (or missing) in for latitudes between -70 on for latitudes between -70
VIONCDF BSZOPOEPFDNCDF BSZOPOEPNCDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDPLRMSAR CDF PEPOPFDPLRMSINN	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingI	proOPOceanExcludingPolarications of the composition	FD2PLRMNetCDF NetCDF CDF	The value should not be a 'The backscatter sigma zerr between -70 and 70 degree The backscatter sigma zerr between -70 and 70 degree The backscatter sigma zerr between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be band 70 degrees	missing value' for surface type of should be between 700 and use of should be between 0 and 6400 (or mission between 0 and 15000 (or mission between 0 and	to e 0 only 17500 (or missing) for surface type = ocean	ce type = ocean for latitude ce type = ocean for latitude ce type = ocean for latitude m and 40mm (or missing) of for latitudes between -70 in for latitudes betw
NIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDPLRMSAR CDF PEPOPFDPLRMSINN DF PEPOPFDSARNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingI RangePeakinessExcludingI RangePeakinessExcludingI RangePeakinessExcludingI	proOPOceanExcludingPolarications of the proop of the proo	FD2PLRMNetCDF NetCDF CDF	The value should not be a 'The backscatter sigma zeru between -70 and 70 degree The backscatter sigma zeru between -70 and 70 degree The backscatter sigma zeru between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be bund 70 degrees	missing value' for surface type of should be between 700 and so should be between 700 and so so should be between 0 and 6400 (or mission between 0 and 15000 (or mission between 0 and 90000 (or mission between 0 and 15000 (to e 0 only 1 7500 (or missing) for surface 1 7500 (or missin	ce type = ocean for latitude ce type = ocean for latitude ce type = ocean for latitude m and 40mm (or missing) of for latitudes between -70 on for latitudes betw
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDPLRMSAR CDF PEPOPFDPLRMSINN DF PEPOPFDSARNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingf RangePeakinessExcludingf	proOPOceanExcludingPolarications of the proop of the proo	FD2PLRMNetCDF NetCDF CDF	The value should not be a 'The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be band 70 degrees	missing value' for surface ty obshould be between 700 and so obshould be between 0 and 6400 (or missivetween 0 and 15000 (or missivetween 0 and 90000 (or	to e 0 only 17500 (or missing) for surface type = ocean	the type = ocean for latitude the and 40mm (or missing) of for latitudes between -70 on for latitude
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDLRMSINN DF PEPOPFDSARNCDF PEPOPFDSARNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingI RangePeakinessExcludingI RangePeakinessExcludingI RangePeakinessExcludingI	proOPOceanExcludingPolaricanOPOceanExcludingPolaricanOPOceanExcludingPolaricanNetCDF PolarOPFD2LRMNetCDF PolarOPFD2PLRMSINNetC PolarOPFD2SARNetCDF PolarOPFD2SARNetCDF	FD2PLRMNetCDF NetCDF CDF	The value should not be a 'The backscatter sigma zerr between -70 and 70 degree The backscatter sigma zerr between -70 and 70 degree The backscatter sigma zerr between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be band 70 degrees	missing value' for surface type of should be between 700 and so should be between 700 and so so should be between 0 and 6400 (or mission between 0 and 15000 (or mission between 0 and 90000 (or mission between 0 and 15000 (to e 0 only 17500 (or missing) for surface type = ocean	the type = ocean for latitude to type = ocean for latitude to type = ocean for latitude and 40mm (or missing) of for latitudes between -70 on for latitudes betwe
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDPLRMSINN DF PEPOPFDSARNCDF PEPOPFDSINNCDF PEPOPFDSINNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingI RangePeakinessExcludingI RangePeakinessExcludingI RangePeakinessExcludingI RangePeakinessExcludingI RangePeakinessExcludingI	proOPOceanExcludingPolarications of the proof of the proo	FD2PLRMNetCDF NetCDF CDF	The value should not be a 'The backscatter sigma zerr between -70 and 70 degree The backscatter sigma zerr between -70 and 70 degree The backscatter sigma zerr between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be band 70 degrees	missing value' for surface ty obshould be between 700 and so obshould be between 0 and 6400 (or missivetween 0 and 15000 (or missivetween 0 and 90000 (or	to e 0 only 17500 (or missing) for surface type = ocean 17500 (or missing) for surface 17500 (or missing) for su	ce type = ocean for latitude to type = ocean for latitudes between -70 in
SZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDPLRMSINN DF PEPOPFDSARNCDF PEPOPFDSARNCDF PEPOPFDSINNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingt RangePeakinessExcludingt RangePeakinessExcludingt RangePeakinessExcludingt	proOPOceanExcludingPolarications of the proof of the proo	FD2PLRMNetCDF NetCDF CDF	The value should not be a 'The backscatter sigma zerr between -70 and 70 degree The backscatter sigma zerr between -70 and 70 degree The backscatter sigma zerr between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be band 70 degrees	missing value' for surface ty o should be between 700 and so should be between 0 and 6400 (or missolutive or missolutive of and 90000 (or missolutive of and 9000	to e 0 only 17500 (or missing) for surface 17500 (or missing)	the type = ocean for latitude to type = ocean for latitude to type = ocean for latitude and 40mm (or missing). If or latitudes between -70 in for latitudes betw
BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDPLRMSINN DF PEPOPFDSARNCDF PEPOPFDSINNCDF PEPOPFDSRNCDF PEPOPFDRMNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingI RangePeakinessExcludingI RangePeakinessExcludingI RangePeakinessExcludingI RangePeakinessExcludingI RangePeakinessExcludingI	proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proop proop polarication proop	FD2PLRMNetCDF NetCDF CDF	The value should not be a 'The backscatter sigma zerr between -70 and 70 degree The backscatter sigma zerr between -70 and 70 degree The backscatter sigma zerr between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be band 70 degrees	on should be between 700 and so services and 15000 (or missivetween 0 and 15000 (or missivetween 0 and 15000 (or missivetween 0 and 90000 (or missivetween 0 and	to e 0 only 17500 (or missing) for surface 17500 (or missing)	the type = ocean for latitude to type = ocean for latitude to type = ocean for latitude and 40mm (or missing). If or latitudes between -70 in for latitudes betw
SZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDLRMSAR CDF PEPOPFDPLRMSINN DF PEPOPFDSARNCDF PEPOPFDSINNCDF PEPOPPSARNCDF PEPOPSARNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingf	proOPOceanExcludingPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolarOPFD2LRMNetCDF PolarOPFD2PLRMSINNetCDF PolarOPFD2SARNetCDF PolarOPFD2SINNetCDF PolarOPFDASINNetCDF PolarOPFDASINNetCDF PolarOPFDASINNetCDF PolarOPSARNetCDF	FD2PLRMNetCDF NetCDF CDF	The value should not be a' The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be b and 70 degrees	missing value' for surface type to should be between 700 and so service of the servi	to e 0 only 17500 (or missing) for surface type = ocean 17500 (or mi	ce type = ocean for latitude to type = ocean for latitudes between -70 in
SZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDLRMSINN DF PEPOPFDSARNCDF PEPOPFDSINNCDF PEPOPPSARNCDF PEPOPPSARNCDF PEPOPPSARNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf	proOPOceanExcludingPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolaringPolarOPFD2LRMNetCDF PolarOPFD2PLRMSINNetCDF PolarOPFD2SARNetCDF PolarOPFD2SINNetCDF PolarOPFDASINNetCDF PolarOPFDASINNetCDF PolarOPFDASINNetCDF PolarOPSARNetCDF	FD2PLRMNetCDF NetCDF CDF	The value should not be a' The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be b and 70 degrees	missing value' for surface ty, on should be between 700 and see the seed of th	the 0 only 17500 (or missing) for surface 17500 (or missing)	ce type = ocean for latitude to type = ocean for latitudes between -70 in
SZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF BSZOPOEPNCDF PEPOPFDLRMNCDF PEPOPFDLRMSINN DF PEPOPFDSARNCDF PEPOPFDSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSINNCDF PEPOPSINNCDF PEPOPSINNCDF PEPOPSINNCDF PEPOPSINNCDF PEPOPSINNCDF PEPOPSINNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingf	proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proInterpolarication proOPOceanExcludingPolarication proInterpolarication proInterpolarica	FD2PLRMNetCDF NetCDF CDF	The value should not be a' The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be b and 70 degrees	missing value' for surface type to should be between 700 and so service of the servi	the 0 only 17500 (or missing) for surface 17500 (or missing)	ce type = ocean for latitude to type = ocean for latitudes between -70 in
BSZOPOEPFDNCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDPLRMSINN DF PEPOPFDSARNCDF PEPOPFDSARNCDF PEPOPPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSINNCDF SSBCONCDF SSBCONCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingt RangeSeaStateBiasCorrect	proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proof	FD2PLRMNetCDF NetCDF CDF DF	The value should not be a' The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The backscatter sigma zer between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be b and 70 degrees The sea state bias corrective The sea surface height and ocean The sea surface height and	missing value' for surface ty, on should be between 700 and see the seed of th	the 0 only 17500 (or missing) for surface type = ocean	ce type = ocean for latitud ce type = ocean
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDLRMSAR CDF PEPOPFDSARNCDF PEPOPFDSINNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF SSBCONCDF SSHAOFDNCDF SSHAOFDNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakcscatterSigmaZe RangePeakinessExcludingf RangeSeaSurfaceHeightAn	proOPOceanExcludingPolari proInterest proof pr	FD2PLRMNetCDF NetCDF CDF DF	The value should not be a The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be than 70 degrees The sea state bias correction The sea surface height and ocean The sea surface height and ocean	missing value' for surface type of should be between 700 and so should be between 0 and 6400 (or mission between 0 and 15000 (or mission between 0 and 90000 (or mission between 0 and 90000 (or mission between 0 and 15000 (or mission should be between -500m analy should be between -300m analy should anal	the 0 only 17500 (or missing) for surface type = ocean 17500 (or missing) for surface type = ocean 17500 (or missing) for surface type = ocean 175	ce type = ocean for latitude to type = ocean for latitudes between -70 in
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDLRMSAR CDF PEPOPFDSARNCDF PEPOPFDSINNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF SSBCONCDF SSHAOFDNCDF SSHAOFDNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingt RangeSeaStateBiasCorrect	proOPOceanExcludingPolari proInterest proof pr	FD2PLRMNetCDF NetCDF CDF DF	The value should not be a The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be than 70 degrees The sea state bias correction The sea surface height and ocean The sea surface height and ocean	missing value' for surface ty o a should be between 700 and a so a should be between 700 and as o should be between 700 and as o should be between 700 and as o should be between 700 and as service of the service of t	the 0 only 17500 (or missing) for surface type = ocean 17500 (or missing) for surface type = ocean 17500 (or missing) for surface type = ocean 175	ce type = ocean for latitude to type = ocean for latitudes between -70 in
SECONCOF BESZOPOEPFDNCDF BESZOPOEPFDPLRM CDF BESZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDLRMSINN DF PEPOPFDSARNCDF PEPOPFDSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF SEBCONCDF SSHAOFDNCDF SSHAOFDNCDF SSHAOFDLRMNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakcscatterSigmaZe RangePeakinessExcludingf RangeSeaSurfaceHeightAn	proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proOPOceanExcludingPolarication proop proop polarication proop	FD2PLRMNetCDF NetCDF CDF DF	The value should not be a The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be than 70 degrees The sea state bias correction The sea surface height and ocean The sea surface height and ocean The significant wave height	inisising value' for surface type of should be between 700 and so should be between 0 and 6400 (or missivetween 0 and 15000 (or missivetween 0 and 90000 (or missivetween 0 and 90000 (or missivetween 0 and 6400 (or missivetween 0 and 6400 (or missivetween 0 and 90000 (or missiv	to e 0 only 17500 (or missing) for surface type = ocean	the type = ocean for latitude the and 40mm (or missing) of for latitudes between -70 or for latitude
SECONCOF BESZOPOEPFDNCDF BESZOPOEPFDPLRM CDF BESZOPOEPNCDF BESZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDLRMSINN DF PEPOPFDSARNCDF PEPOPFDSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSINNCDF SESHAOFDNCDF SSHAOFDNCDF SSHAOFDNCDF SSHAOFDNCDF SSHAONCDF SWHOEPFDNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakcscatterSigmaZe RangePeakinessExcludingf RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn	proOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolarioranNetCDF PolarOPFD2LRMNetCDF PolarOPFD2PLRMSINNetCDF PolarOPFD2SINNetCDF PolarOPFD2SINNetCDF PolarOPSARNetCDF	FD2PLRMNetCDF NetCDF CDF DF	The value should not be a The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be band 70 degrees The sea state bias correction. The sea surface height and ocean The sea surface height and ocean The significant wave heighlatitudes between -70 and The significant wave heighlatitudes bet	missing value' for surface ty o a hould be between 700 and so should be between 700 and so service of the solution of the solu	to e 0 only 17500 (or missing) for surface type = ocean 17500 (or missing) for surface type = ocean 17500 (or missing) for 000mm and 3000mm (or missing) 17500 (ce type = ocean for latitude to type = ocean for latitudes between -70 in for latitudes between -7 in for latit
SIZOPOEPFDNCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDPLRMSINN DF PEPOPFDSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF BSHAOFDNCDF BSHAOFDNCD	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeNELPOceanTideOce RangePeakinessExcludingf RangeSeaStateBiasCorrect RangeSeaStateBiasCorrect RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn	proOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolarioranNetCDF PolarOPFD2LRMNetCDF PolarOPFD2PLRMSINNetCDF PolarOPFD2SINNetCDF PolarOPFD2SINNetCDF PolarOPSARNetCDF	FD2PLRMNetCDF NetCDF CDF DF	The value should not be a The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be band 70 degrees The sea state bias correction. The sea surface height and ocean The sea surface height and ocean The significant wave heighlatitudes between -70 and The significant wave heighlatitudes bet	missing value' for surface ty obshould be between 700 and as a should be between 0 and 6400 (or miss between 0 and 15000 (or miss between 0 and 15000 (or miss between 0 and 90000 (or miss between 0 and 90000 (or miss between 0 and 15000 (or miss between 0 and 15000 (or miss between 0 and 15000 (or miss between 0 and 90000 (or	to e 0 only 17500 (or missing) for surface type = ocean 17500 (or missing) for surface type = ocean 17500 (or missing) for 000mm and 3000mm (or missing) 17500 (ce type = ocean for latitude to type = ocean for latitudes between -70 in for latitudes between -7 in for latit
SEZOPOEPFDNCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDPLRMSINN DF PEPOPFDSARNCDF PEPOPFDSARNCDF PEPOPSARNCDF PEPOPSARNCDF PEPOPSARNCDF SSHAOFDNCDF SSHAOFDNCDF SSHAOFDNCDF SWHOEPFDNCDF SWHOEPFDNCDF SWHOEPFDNCDF SWHOEPFDNCDF SWHOEPFDNCDF SWHOEPFDNCDF SWHOEPFDNCDF SWHOEPFDNCDF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakcscatterSigmaZe RangePeakinessExcludingf RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn	proOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPFD2LRMNetCDF PolarOPFD2PLRMSARNetCDF PolarOPFD2SARNetCDF PolarOPFD2SARNetCDF PolarOPFD2SARNetCDF PolarOPSARNetCDF polarOPS	FD2PLRMNetCDF NetCDF CDF DF CDF CDF CDF CDF CDF	The value should not be a The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be the and 70 degrees The sea surface height and ocean The sea surface height and ocean The significant wave height latitudes between -70 and The significant wave height latit	in issing value' for surface ty on should be between 700 and so should be between 0 and 6400 (or missivetween 0 and 15000 (or missivetween 0 and 90000 (or missivetween 0 and 15000 (or missivetween 0 and 15000 (or missivetween 0 and 15000 (or missivetween 0 and 90000 (or missiv	the 0 only 17500 (or missing) for surface type = ocean 17500 (or missing) for surface type = ocean 17500 (or missing) (or missing) for surface type = ocean 17500 (or missing) (or missing) for surface type = ocean 17500 (or missing) (or m	ce type = ocean for latitude to type = ocean for latitudes between -70 in
VIONCDF BSZOPOEPFDNCDF BSZOPOEPNCDF BSZOPOEPNCDF NELPOTONCDF PEPOPFDLRMNCDF PEPOPFDPLRMSAR CDF PEPOPFDPLRMSINN DF	MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSignificantWaveHeig	proOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPOceanExcludingPolariorOPFD2PLRMSARNetCPPolarOPFD2PLRMSINNetCPPOlarOPFD2SINNetCDFPOlarOPFD2SINNetCDFPOlarOPSARNetCDFPOlarOPSARNetCDFPOlarOPSARNetCDFPOlarOPSARNetCDFPOlarOPSARNetCDFPOlarOPSARNetCDFPOlarOPSARNetCDFpolarO	FD2PLRMNetCDF NetCDF CDF DF CDF CDF CDF CDF CDF	The value should not be a The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The backscatter sigma zern between -70 and 70 degree The Non-equilibrium long p surface type = ocean The Peakiness should be the and 70 degrees The sea state bias correction. The sea surface height and ocean The sea surface height and ocean The significant wave height latitudes between -70 and Th	in issing value' for surface ty on should be between 700 and so should be between 0 and 6400 (or missivetween 0 and 15000 (or missivetween 0 and 90000 (or missivetween 0 and 15000 (or missivetween 0 and 15000 (or missivetween 0 and 15000 (or missivetween 0 and 90000 (or missiv	the 0 only 17500 (or missing) for surface type = ocean 17500 (or missing) for surface type = ocean 17500 (or missing) for surface type = ocean 17500 (or missing) for ocean 17500 (or missing) f	ce type = ocean for latitude to type = ocean for latitudes between -70 in

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