

QA4EO Daily Report for GOP data:

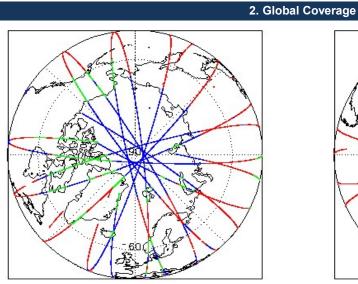
<u>27/07/2022</u>

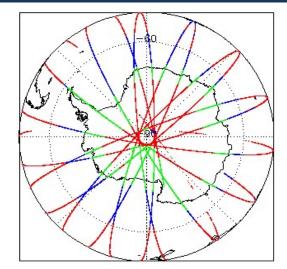
IDEAS-QAHEO

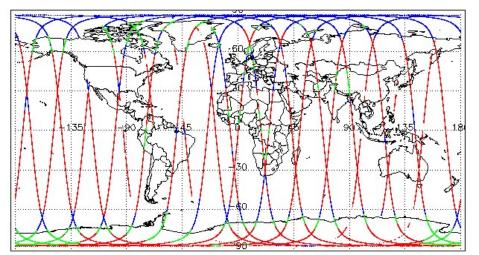
ort Production:	25-Aug-2022	Check	L1 & L2	P2P
port Production.	20-Aug-2022	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
rocessor Used:	CrueSet Oscar Dresses	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Tocessor Useu.	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
Data Useu.	L1B, L2 & P2P Science Data	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 7.1 and 7.2	See Section 7.1 and 7.2

1. Overview

Mission / Instrument News		
26-Jul-2022	None	
27-Jul-2022	Ground Segment Anomaly: Mutitiple Losses of SIRAL SAR and SARin data availability.	
28-Jul-2022	Nothing planned	







Mode Coverage



3. Instrument Configuration

SIRAL instrument(s) in use:

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

SIRAL - A

0

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

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

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

0

0

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220727T042251_20220727T042304_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more 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 some products over land, but this is to be expected.

14

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20220727T035013_20220727T035838_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220727T074528_20220727T081203_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220727T134129_20220727T134253_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20220727T155559_20220727T160904_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220727T040547_20220727T040719_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220727T040724_20220727T041011_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220727T141335_20220727T141539_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220727T172748_20220727T172951_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20220727T235837_20220728T000136_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220727T040330_20220727T040454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220727T092149_20220727T092338_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220727T104246_20220727T105145_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220727T154140_20220727T154337_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20220727T220744_20220727T221143_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP 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: 0

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

-

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

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 that are expected, due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues that 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.

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

47

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220727T091341_20220727T091652_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20220727T155559_20220727T160904_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20220727T171353_20220727T172039_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), 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), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPM_2_20220727T173244_20220727T173259_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 height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPM_2_20220727T203729_20220727T204053_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T040547_20220727T040719_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T040724_20220727T041011_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T054444_20220727T054833_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T064427_20220727T064549_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T090127_20220727T090249_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T095334_20220727T095500_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T100024_20220727T100336_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T113313_20220727T113428_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T113924_20220727T114226_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T131401_20220727T131637_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T131830_20220727T132456_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T140914_20220727T141035_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 height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T144920_20220727T145529_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T154834_20220727T154859_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T154902_20220727T154937_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T164148_20220727T164336_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T172748_20220727T172951_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 height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T195222_20220727T195433_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 height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20220727T213024_20220727T213341_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T213903_20220727T214022_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T230914_20220727T231233_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T231758_20220727T231923_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20220727T235837_20220728T000136_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T005214_20220727T005215_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T005237_20220727T005241_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T041011_20220727T041204_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T041204_20220727T041724_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_GOPR_2_20220727T072527_20220727T073421_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T090453_20220727T091341_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T092149_20220727T092338_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T104246_20220727T105145_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T122236_20220727T123341_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T140148_20220727T140914_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20220727T143134_20220727T143348_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 height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T154140_20220727T154337_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_GOPR_2_20220727T154412_20220727T154834_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T172039_20220727T172138_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T172138_20220727T172748_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T190302_20220727T190811_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T203100_20220727T203300_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T204202_20220727T205007_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20220727T222038_20220727T222920_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

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_GOPM_2_20220727T042251_20220727T042304_C001	Power scaling error	There is an error in the scaling of the L2 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.

77

1

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20220727T000418_20220727T000832_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_GOPM_2_20220727T001321_20220727T003800_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_GOPM_2_20220727T003930_20220727T004622_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_GOPM_2_20220727T010604_20220727T011650_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20220727T011827_20220727T012322_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_GOPM_2_20220727T012922_20220727T013228_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_GOPM_2_20220727T014232_20220727T014310_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_GOPM_2_20220727T015734_20220727T020522_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_GOPM_2_20220727T022456_20220727T022518_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_GOPM_2_20220727T025141_20220727T025156_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_GOPM_2_20220727T025159_20220727T025212_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_GOPM_2_20220727T030251_20220727T030758_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_GOPM_2_20220727T030822_20220727T031418_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_GOPM_2_20220727T035013_20220727T035838_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_GOPM_2_20220727T043845_20220727T045142_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_GOPM_2_20220727T045750_20220727T045752_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_GOPM_2_20220727T051411_20220727T051942_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_GOPM_2_20220727T060800_20220727T062833_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_GOPM_2_20220727T062837_20220727T063221_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_GOPM_2_20220727T063647_20220727T064040_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_GOPM_2_20220727T064101_20220727T064426_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_GOPM_2_20220727T064755_20220727T071425_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_GOPM_2_20220727T074528_20220727T081203_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_GOPM_2_20220727T081509_20220727T081955_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_GOPM_2_20220727T082814_20220727T090127_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_GOPM_2_20220727T091341_20220727T091652_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_GOPM_2_20220727T094614_20220727T094809_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_GOPM_2_20220727T095500_20220727T100024_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_GOPM_2_20220727T100729_20220727T102831_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_GOPM_2_20220727T103117_20220727T104246_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_GOPM_2_20220727T105253_20220727T105621_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_GOPM_2_20220727T111231_20220727T112919_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_GOPM_2_20220727T113428_20220727T113923_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_GOPM_2_20220727T114633_20220727T121859_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

	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_GOPM_2_20220727T124146_20220727T130702_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPM_2_20220727T131637_20220727T131829_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_GOPM_2_20220727T132618_20220727T133239_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_GOPM_2_20220727T133244_20220727T134127_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_GOPM_2_20220727T134734_20220727T135527_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_GOPM_2_20220727T135917_20220727T140148_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_GOPM_2_20220727T141035_20220727T141335_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_GOPM_2_20220727T141540_20220727T143134_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_GOPM_2_20220727T143348_20220727T144839_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_GOPM_2_20220727T145826_20220727T150244_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_GOPM_2_20220727T150508_20220727T151923_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_GOPM_2_20220727T152102_20220727T153725_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_GOPM_2_20220727T155559_20220727T160904_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_GOPM_2_20220727T161537_20220727T162908_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_GOPM_2_20220727T163322_20220727T164148_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_GOPM_2_20220727T164506_20220727T170652_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_GOPM_2_20220727T174247_20220727T174552_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_GOPM_2_20220727T174556_20220727T180852_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_GOPM_2_20220727T181512_20220727T182003_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_GOPM_2_20220727T182456_20220727T182531_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_GOPM_2_20220727T182616_20220727T184856_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_GOPM_2_20220727T192138_20220727T194707_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_GOPM_2_20220727T195153_20220727T195222_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_GOPM_2_20220727T195433_20220727T200030_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_GOPM_2_20220727T200321_20220727T203100_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_GOPM_2_20220727T203729_20220727T204053_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_GOPM_2_20220727T205320_20220727T212611_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_GOPM_2_20220727T213341_20220727T213902_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_GOPM_2_20220727T221217_20220727T221226_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_GOPM_2_20220727T221342_20220727T221346_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_GOPM_2_20220727T221652_20220727T222038_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_GOPM_2_20220727T223226_20220727T224144_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_GOPM_2_20220727T224429_20220727T230543_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_GOPM_2_20220727T231350_20220727T231758_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_GOPM_2_20220727T232311_20220727T233304_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_GOPM_2_20220727T233452_20220727T234054_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_GOPM_2_20220727T234249_20220727T234726_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_GOPN_2_20220727T064055_20220727T064101_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_GOPR_2_20220727T134411_20220727T134734_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_GOPR_2_20220727T144839_20220727T144920_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_GOPR_2_20220727T204053_20220727T204148_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_GOPR_2_20220727T224144_20220727T224429_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_GOPR_2_20220727T231923_20220727T232310_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

ī

ī.

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.

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20220727T054444_20220727T054833_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_GOPN_2_20220727T060339_20220727T060514_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_GOPN_2_20220727T063423_20220727T063646_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_GOPN_2_20220727T073422_20220727T073441_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_GOPN_2_20220727T082331_20220727T082456_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_GOPN_2_20220727T090127_20220727T090249_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_GOPN_2_20220727T095334_20220727T095500_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_GOPN_2_20220727T100024_20220727T100336_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_GOPN_2_20220727T105146_20220727T105205_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_GOPN_2_20220727T105228_20220727T105253_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_GOPN_2_20220727T105621_20220727T105804_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_GOPN_2_20220727T105932_20220727T105958_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_GOPN_2_20220727T110918_20220727T111231_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_GOPN_2_20220727T123452_20220727T123534_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_GOPN_2_20220727T131830_20220727T132456_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_GOPN_2_20220727T140914_20220727T141035_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_GOPN_2_20220727T141335_20220727T141539_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_GOPN_2_20220727T144920_20220727T145529_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_GOPN_2_20220727T150244_20220727T150420_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_GOPN_2_20220727T155246_20220727T155454_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_GOPN_2_20220727T161050_20220727T161537_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_GOPN_2_20220727T164148_20220727T164336_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_GOPN_2_20220727T170825_20220727T171211_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_GOPN_2_20220727T173006_20220727T173243_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_GOPN_2_20220727T181421_20220727T181512_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_GOPN_2_20220727T182003_20220727T182221_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_GOPN_2_20220727T195033_20220727T195153_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_GOPN_2_20220727T195222_20220727T195433_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_GOPN_2_20220727T200031_20220727T200200_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_GOPN_2_20220727T205008_20220727T205135_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_GOPN_2_20220727T213024_20220727T213341_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_GOPN_2_20220727T213903_20220727T214022_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_GOPN_2_20220727T221226_20220727T221238_C001 OCOG Altimeter Range - OCOG Backscatter Quality CS_OFFL_SIR_GOPN_2_20220727T222920_20220727T223226_C001 Ocean Altimeter Range - and Backscatter Quality CS_OFFL_SIR_GOPN_2_20220727T2234054_20220727T234249_C001 OCOG Altimeter Range - oto COG Altimeter Range - oto COG Altimeter Range - oto COG Altimeter Range - and Backscatter Quality CS_OFFL_SIR_GOPN_2_20220727T234054_20220727T234249_C001 OCOG Altimeter Range - oto COG Altimeter Range - and Backscatter Quality CS_OFFL_SIR_GOPR_2_20220727T000941_20220727T001321_C001 Ocean Altimeter Range - and Backscatter Quality	ity more records SSHA, SWH PLRM, OCOG kscatter 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 Quality PLRM, Ity The OCOG Range and Backscatter Quality Flags have been set for one or more records SSHA, SWH PLRM, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20220727T222920_20220727T223226_C001 and Backscatter Quality Altimeter Range and Bac PLRM CS_OFFL_SIR_GOPN_2_20220727T234054_20220727T234249_C001 OCOG Altimeter Range - OCOG Backscatter Quality Ococan Altimeter Range - and Backscatter Quality Altimeter Range and Bac	PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Quality PLRM, ity The OCOG Range and Backscatter Quality Flags have been set for one or more records SSHA, SWH The Ocean Altimeter Range, SSHA, SWH 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 more records The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_GOPR_2_202207271234054_202207271234249_C001 OCCG Backscatter Qual CS_OFFL_SIR_GOPR_2_20220727T000941_20220727T001321_C001 Altimeter Range, and Backscatter Quality Altimeter Range and Backscatter Quality	ity more records SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220727T000941_20220727T001321_C001 and Backscatter Quality Altimeter Range Altimeter Rang	PLRM, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
	set for one or more records
CS_OFFL_SIR_GOPR_2_20220727T040330_20220727T040454_C001 OCOG Altimeter Range OCOG Backscatter Qual	
CS_OFFL_SIR_GOPR_2_20220727T041204_20220727T041724_C001 Ocean Altimeter Range, and Backscatter Quality Altimeter Range and Bac PLRM	PLRM, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220727T053446_20220727T053710_C001 OCOG Altimeter Range OCOG Backscatter Qual	
CS_OFFL_SIR_GOPR_2_20220727T055420_20220727T055646_C001 OCOG Altimeter Range OCOG Backscatter Qual	
CS_OFFL_SIR_GOPR_2_20220727T063222_20220727T063423_C001 Ocean Altimeter Range, and Backscatter Quality Altimeter Range and Bac PLRM	PLRM, OCOG and the OCOG Altimeter Range, SSRA, SWR and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220727T072527_20220727T073421_C001 Ocean Altimeter Range, and Backscatter Quality Attimeter Range and Bac PLRM	PLRM, OCOG
CS_OFFL_SIR_GOPR_2_20220727T081204_20220727T081344_C001 Ocean Altimeter Range, and Backscatter Quality Altimeter Range and Bac PLRM	PLRM, OCOG
CS_OFFL_SIR_GOPR_2_20220727T082456_20220727T082735_C001 CS_OFFL_SIR_GOPR_2_20220727T082456_20220727T082735_C001 Coean Altimeter Range, and Backscatter Quality Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPR_2_20220727T082456_20220727T082735_C001 CS_OFFL_SIR_GOPR_2_20220727T082456_20220727T082735_C001 CS_OFFL_SIR_GOPR_2_20220727T082456_20220727T082735_C001 CS_OFFL_SIR_GOPR_2_20220727T082456_20220727T082735_C001 CS_OFFL_SIR_GOPR_2_20220727T082456_20220727T082735_C001 CS_OFFL_SIR_GOPR_2_20220727T082456_20220727T082735_C001 CS_OFFL_SIR_GOPR_2_20220727T082456_20220727T082735_C001 CS_OFFL_SIR_GOPR_2_20220727T082456_20220727T082735_C001 CS_OFFL_SIR_GOPR_2_20220727T082456_20220727T082735_C001 CS_OFFL_SIR_GOPR_2_20220727T082456_20220727T082456_202 CS_OFFL_SIR_GOPR_2_SOPP_S_SO	PLRM, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220727T090308_20220727T090327_C001 OCOG Altimeter Range OCOG Backscatter Qual	
CS_OFFL_SIR_GOPR_2_20220727T091652_20220727T091810_C001 OCOG Altimeter Range OCOG Backscatter Qual	
CS_OFFL_SIR_GOPR_2_20220727T092149_20220727T092338_C001 OCOG Altimeter Range OCOG Backscatter Qual	
CS_OFFL_SIR_GOPR_2_20220727T095034_20220727T095334_C001 CS_OFFL_SIR_GOPR_2_20220727T095034_20220 CS_OFFL_SIR_GOPR_2_20220727T095034_202 CS_OFFL_SIR_GOPR_2_20220727T095034_202 CS_OFFL_SIR_GOPR_2_20220727T095034_202 CS_OFFL_SIR_GOPR_2_2022072 CS_OFFL_SIR_GOPR_2_2022072 CS_OFFL_SIR_GOPR_2_20220 CS_OFFL_SIR_GOPR_2_2022072 CS_OFFL_SIR_GOPR_2_20220 CS_OFFL_SIR_GOPR_2_2022072 CS_OFFL_SIR_GOPR_2_20220 CS_OFFL_SIR_GOPR_2_20220 CS_OFFL_SIR_GOPR_2_20220 CS_OFFL_SIR_GOPR_2_20220 CS_OFFL_SIR_GOPR_2_20220 CS_OFFL_SIR_GOPR_2_20220 CS_OFFL_SIR_GOPR_2_20220 CS_OFFL_SIR_GOPR_2_20220 CS_OFFL_SIR_GOPR_2_20220 CS_OFFL_SIR_GOPR_2_202 CS_OFFL_SIR_GOPR_2 CS_OFFL_SIR_GOPR_2_202 CS_OFFL_SIR_GOPR_2 CS_OFFL_	PLRM, OCOG
CS_OFFL_SIR_GOPR_2_20220727T100336_20220727T100729_C001 Ocean Altimeter Range, and Backscatter Quality Attimeter Range and Bac PLRM	PLRM, OCOG
CS_OFFL_SIR_GOPR_2_20220727T104246_20220727T105145_C001 Ocean Altimeter Range, and Backscatter Quality Altimeter Range and Bac PLRM	PLRM, OCOG
CS_OFFL_SIR_GOPR_2_20220727T112919_20220727T113313_C001 Ocean Altimeter Range, and Backscatter Quality Altimeter Range and Bac PLRM	PLRM, OCOG
CS_OFFL_SIR_GOPR_2_20220727T114247_20220727T114632_C001 Ocean Altimeter Range, and Backscatter Quality Attimeter Range and Bac PLRM	PLRM, OCOG
CS_OFFL_SIR_GOPR_2_20220727T122236_20220727T123341_C001 Ocean Altimeter Range, and Backscatter Quality Altimeter Range and Bac PLRM	PLRM, OCOG and the OCOG Altimeter Range, SSRA, SWR and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220727T130702_20220727T131401_C001 Ocean Altimeter Range, and Backscatter Quality Altimeter Range and Bac PLRM	PLRM, OCOG and the OCOG Altimeter Range, SSRA, SWR and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220727T140148_20220727T140914_C001 Ocean Altimeter Range, and Backscatter Quality Attimeter Range and Bac PLRM	PLRM, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220727T143134_20220727T143348_C001 OCOG Altimeter Range OCOG Backscatter Qual	
CS_OFFL_SIR_GOPR_2_20220727T151923_20220727T152101_C001 Ocean Altimeter Range, and Backscatter Quality Altimeter Range and Bac PLRM	PLRM, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20220727T154412_20220727T154834_C001 Ocean Altimeter Range, and Backscatter Quality Altimeter Range and Bac PLRM	PLRM, OCOG

CS_OFFL_SIR_GOPR_2_20220727T162908_20220727T163131_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_GOPR_2_20220727T164336_20220727T164506_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_GOPR_2_20220727T173259_20220727T173545_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_GOPR_2_20220727T174028_20220727T174247_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_GOPR_2_20220727T180852_20220727T181105_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_GOPR_2_20220727T182221_20220727T182456_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_GOPR_2_20220727T194707_20220727T195033_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_GOPR_2_20220727T203100_20220727T203300_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_GOPR_2_20220727T204202_20220727T205007_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_GOPR_2_20220727T212611_20220727T213024_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_GOPR_2_20220727T214022_20220727T214240_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_GOPR_2_20220727T221346_20220727T221536_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_GOPR_2_20220727T222038_20220727T222920_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_GOPR_2_20220727T230544_20220727T230914_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_GOPR_2_20220727T231923_20220727T232310_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.

297

59

121

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

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.

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors:

6. GOP 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: 0

6.2 P2P Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

0

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

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

25

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20220727T000401_20220727T005339_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20220727T032230_20220727T041209_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20220727T041209_20220727T050145_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20220727T050145_20220727T055123_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_GOP_220220727T064100_20220727T073038_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_220220727T073038_20220727T082015_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_0FFL_SIR_GOP_2_20220727T082015_20220727T090953_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 height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20220727T090953_20220727T095930_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_220220727T095930_20220727T104908_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_220220727T104908_20220727T113844_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_220220727T113844_20220727T122822_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_0FFL_SIR_GOP_2_20220727T122822_20220727T131759_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20220727T131759_20220727T140737_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20220727T140737_20220727T145713_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 height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220220727T145713_20220727T154652_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 height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220220727T154652_20220727T163628_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_220220727T163628_20220727T172606_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), 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 height (solution 1), 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_GOP_220220727T172606_20220727T181543_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 height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220220727T181543_20220727T190521_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_220220727T190521_20220727T195458_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 height (solution 1), 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_GOP_220220727T195458_20220727T204436_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_0FFL_SIR_GOP_2_20220727T204436_20220727T213413_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20220727T213413_20220727T222350_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20220727T222350_20220727T231327_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_GOP_220220727T23132	27_20220728T000305_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
5.5 P2P Measurement Confid	ence Data Check		
CryoSat P2P data includes a measurement	confidence flag for each 20 Hz mea	surement record. The bit value of this flag	indicates any problems when set.
Number of products with errors:	1		
Product		Test Failed	Description
CS_OFFL_SIR_GOP_220220727T04120	09_20220727T050145_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
6.6 P2P Measurement Quality	/ Flag Check		
P2P Quality Flags (20 Hz)			
CryoSat P2P data includes Quality Flags fo	r each 20 Hz, 20 Hz PLRM and 1 Hz	measurement record, copied from the cor	rresponding L2 products.
Since the P2P Quality Flags are copied d	irectly from the L2 Quality Flags, p	please see Section 5.6 for the full list of	products affected.
Number of products with errors:	30		
P2P Quality Flags (20 Hz PLRM)	I. Contraction of the second se		
Since the P2P Quality Flags are copied d	irectly from the L2 Quality Flags, p	please see Section 5.6 for the full list of	products affected.
Number of products with errors:	27		
P2P Quality Flags (1 Hz & 1 Hz F	PLRM)		
Since the P2P Quality Flags are copied d	irectly from the L2 Quality Flags, p	please see Section 5.6 for the full list of	products affected.
Number of products with errors:	29		
6.8 P2P Ocean Retracking Qu	uality Check		
P2P Retracking Flags (20 Hz)			
-			this flag indicates any problems when set.
· ·		GOPR and GOPN products over sea ice, t	DUI THIS IS TO DE EXPECTED.
Number of products with errors:	27		
P2P Retracking Flags PLRM			
CryoSat L2 data includes an ocean retracki	ng quality flag for each 20 Hz PLRM	measurement record. The bit value of this	flag indicates any problems when set.
Dcean Retracking Quality Flag (PLRM): 1	his flag is currently set for products	GOPR and GOPN products over sea ice, b	but this is to be expected.
Number of products with errors:	29		

7. GOP 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_GOPM1B	362	362	5	357	0
SIR_GOPR1B	102	102	0	102	0
SIR_GOPN1B	88	88	0	88	0
SIR_GOPM_2	362	362	251	111	0
SIR_GOPR_2	102	102	33	67	2
SIR_GOPN_2	88	88	31	55	2
SIR_GOP_P2P	29	29	0	25	4

7.1 QCC Errors

Number of QCC reports with errors:

Number of QCC	C reports with er	rors:	8								
					Total number	of occurrences	of each error				
Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-		-	-	-
SIR_GOPN_2	2	1	2	2	1	2					
Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
SIR_GOP_2_	4	1	4	4	1	4					

Test Description Key:						
Abbreviation	Test name	Details				
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7				
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6				
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7				
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7				

7.2 QCC Warnings

Number of QCC reports with warnings

2135

Number of QCC reports	s with warnings	2135							
Total number of occurrences of each warning									
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	QFNCDF	RBSZOPOEPFDNCDF		
SIR_GOPM1B	351	0	0	0	0	45	0		
SIR_GOPM_2	0	0	42	92	2	0	44		
SIR_GOPN1B	82	0	0	0	0	0	0		
SIR_GOPN_2	0	2	7	25	5	0	19		
SIR_GOPR1B	98	0	0	0	0	0	0		
SIR_GOPR_2	0	2	30	35	2	0	31		

Bit Convirtion O <tho< th=""> O O <</tho<>		1	1	T		1	1	1		
See Control See Control <br< td=""><td></td><td></td><td></td><td>RLPTONCDF</td><td>RNELPOTONCDF</td><td>RPEPOPFDLRMNCDF</td><td></td><td></td></br<>				RLPTONCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF				
SHE GON 2 0 0 0 0<			-		0			0		
SHR GOVING BURGOVING <td></td> <td></td> <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td>					0					
Bit Bit Conv. 2 0 0 0 0 0 0 0 Product Type INFO/OPAL COL SPECORD/LINE COL SPECORD/	-				1					
SH 60 R. 2 ja ja ja ja ja SH 60 P 2000 MAR 1000000000000000000000000000000000000					0	1				
Product Type PROPOSIDANCOF PROPOSIDA	-				1					
Bit ColVII 0 <th< td=""><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td>-</td></th<>						-		-		
SIR GOVING P SIR GOVING P SIR GOVING P00 <td>Product Type</td> <td>RPEPOPFDSARNCDF</td> <td>RPEPOPFDSINNCDF</td> <td>RPEPOPLRMNCDF</td> <td>RPEPOPSARNCDF</td> <td>RPEPOPSINNCDF</td> <td>RSSBCONCDF</td> <td>RSSHAOFDNCDF</td>	Product Type	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF		
BIR COPUE 0 0 0 0 0 0 1	SIR_GOPM1B	0	0	0	0	0	0	0		
BR COPN 2 0 20 0 0 0 0	SIR_GOPM_2	0	0	29	0	0	2	22		
BIT OP O O O O O O BIT CONTROL REMINDER PROCEER REMINDER PROCEER REMINDER PROCEER Seminational and the seminatin and the semination and the semination and the seminat	SIR_GOPN1B	0	0	0	0	0	0	0		
SNE_OPT_0430006464PROJUCT_00SANADYCENAUCHRESNAUCC <td>SIR_GOPN_2</td> <td>0</td> <td></td> <td></td> <td>0</td> <td>19</td> <td>14</td> <td></td>	SIR_GOPN_2	0			0	19	14			
Product Type RSSHADDPLMMACDF RSSHADDPLMACDF RSSHADDPLMACDF RSSHADDPLMACDF RSSHADDPLMACDF RSSHADDPLMACDF RSSHADDPLMACDF <thrsshaddplmacdf< th=""> <thrsshaddplmacdf< th=""></thrsshaddplmacdf<></thrsshaddplmacdf<>	_									
SRIGONALD 0 0 0 0<	SIR_GOPR_2	43	0	0	38	0	0	54		
SRIGONALD 0 0 0 0<										
BIR_COPH_2 0 0 0 0										
SIR COPNIE 0 0 0 0					·	-				
SHI CORPUZ 24 23 21 23 11 0 3 SHI OR 0					•					
SIR_CORF/ID 0 0 0 <th< td=""><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	-									
SIR_GOPR_2 97 9 90 97 1 1 5 Product Type PHOMON WOOEPTOCE MACOPACOP Res20FOEPTOLEN Res20FOEFTOLEN Res20FOEFTOLEN <thres2< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thres2<>										
Product Type NUMERADE INVOEPSORE INVOEPSORE Resize/OEPTONCEP Resize/	-					1				
SR GOP 2. 19 28 7 29 17 29 Product Type NLLPTONCOF RREEDOFDURATION RESERCICUS RESERCICUS <td></td> <td>01</td> <td>0</td> <td>00</td> <td>01</td> <td>1</td> <td></td> <td>0</td>		01	0	00	01	1		0		
SR GOP 2. 19 28 7 29 17 29 Product Type NLLPTONCOF RREEDOFDURATION RESERCICUS RESERCICUS <td>Product Type</td> <td>IOHHMOOR</td> <td>MVIOEPFDNCDF</td> <td>MVIOEPNCDF</td> <td>MVIONCDF</td> <td>RBSZOPOEPFDNCDF</td> <td>RBSZOPOEPFDPLRMNC</td> <td>RBSZOPOEPNCDF</td>	Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF		
Product Type INLFDONCOF INLFD					7					
Site GOP_2 27 3 15 26 17 14 29 Product Type RSSMACPERIAMCE/F The balan douting what for sample w										
Product Type RSSHAOPEPLRANACCE RSSHAOPEPLRANACCE RSWHOEPPRACE RSWHOEPPRACE <thrswhoepprace< th=""> RSWHOEPPRACE RSWHO</thrswhoepprace<>	Product Type	RLPTONCDF	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF		
Bit GOP 2 In 20 28 17 11 29 Test Description Key: Abservation Test mane Details BCGPN 2 BertCounterStepDith Key: The bart counter should be one higher with regard to the previous bard counter MODEPEDNCDF MasterVation The bart counter should be one higher with regard to the previous bard counter MODEPEDNCDF MasterVationOP The wate should not be a "master yead on the terms and the in the range to input of it is same. MODEPEDNCDF MasterVatable/Description Key: The wate should not be a "mastery water" to safface type 0 only for latitudes between 70 and 70 degrees MODEPEDNCDF MasterVatable/Description Key: The wate should not be a "mastery water" to safface type 0 only for latitudes between 70 and 70 degrees RESCOPEPENDCF Quality/FagivesCDF The backstating argue area should be between 70 and 700 (or missing) for safface type = coese for latitudes between 70 and 70 degrees RESCOPEPENDCF RangeSadocaterSigna.ZenoOPOceanElscular@PolaritherDPORMMECDF The backstating argue area should be between 70 and 70 degrees RUEDOTOCF RangeSadocaterSigna.ZenoOPOceanElscular@PolaritherDPORMMECDF The backstating argue area should be between 70 and 70 degrees RUEDOTOCF RangeSadocaterSigna.ZenoOPOceanElscular@PolaritherDPORMENDO	SIR_GOP_2_	27	3	15	25	17	14	29		
Bit GOP 2 In 20 28 17 11 29 Test Description Key: Abservation Test mane Details BCGPN 2 BertCounterStepDith Key: The bart counter should be one higher with regard to the previous bard counter MODEPEDNCDF MasterVation The bart counter should be one higher with regard to the previous bard counter MODEPEDNCDF MasterVationOP The wate should not be a "master yead on the terms and the in the range to input of it is same. MODEPEDNCDF MasterVatable/Description Key: The wate should not be a "mastery water" to safface type 0 only for latitudes between 70 and 70 degrees MODEPEDNCDF MasterVatable/Description Key: The wate should not be a "mastery water" to safface type 0 only for latitudes between 70 and 70 degrees RESCOPEPENDCF Quality/FagivesCDF The backstating argue area should be between 70 and 700 (or missing) for safface type = coese for latitudes between 70 and 70 degrees RESCOPEPENDCF RangeSadocaterSigna.ZenoOPOceanElscular@PolaritherDPORMMECDF The backstating argue area should be between 70 and 70 degrees RUEDOTOCF RangeSadocaterSigna.ZenoOPOceanElscular@PolaritherDPORMMECDF The backstating argue area should be between 70 and 70 degrees RUEDOTOCF RangeSadocaterSigna.ZenoOPOceanElscular@PolaritherDPORMENDO						1				
Test Bescription Key: Details Details Description Key: Absorbation Test name Description Details Description Details Description Details Description Details Description Description Bissity/abstription Description MODEPEDNCDF Missity/abstription Description MODEPEDNCDF Missity/abstription Description MODEPEDNCDF Missity/abstription Description Bit MODEPEDNCDF Missity/abstription Description Bit MONCDF Missity/abstription Description Bit MONCDF Missity/abstription Description Bit Description Bit Description Description Bit Description Description <thdescription< th=""> Description<</thdescription<>								-		
AbbreviewPerianeDefaultBCBHNCDFInstanceInstanceBCBHNCDFInstanceInstanceBCBHNCDFInstanceInstanceAMDCPFDNCDFInstanceInstanceAMDCPFDNCDFInstanceInstanceAMDCPFDNCDFInstanceInstanceAMDCPFDNCDFInstanceInstanceAMDCPFNCDFInstanceInstanceAMDCPFNCDFInstanceInstanceAMDCPFNCDFInstanceInstanceAMDCPFNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInst	SIR_GOP_2_	16	20	28	17	11	29			
AbbreviewPerianeDefaultBCBHNCDFInstanceInstanceBCBHNCDFInstanceInstanceBCBHNCDFInstanceInstanceAMDCPFDNCDFInstanceInstanceAMDCPFDNCDFInstanceInstanceAMDCPFDNCDFInstanceInstanceAMDCPFDNCDFInstanceInstanceAMDCPFNCDFInstanceInstanceAMDCPFNCDFInstanceInstanceAMDCPFNCDFInstanceInstanceAMDCPFNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFDNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInstanceBRS2OPDEFNCDFInstanceInst	Test Description Kour									
BCSHNCDF ButsCounterStep20H2MetCDF The bart counter should be one higher with regard to the previous busit counter DOH:MACOR NexcOFFH2N2ER MessRySubertCORE The mapping of 20 Hz to 1 Hz measurements about be in the range 0 to (number of 1 Hz anaphes - 1) MMOEDFFDNCDF MessRySubertCosemExclutingPointPC2NetCDF The value should not be a missing value' for surface type 0 only for tatitudes between -70 and 70 degrees MMOEDFD MessRySubertCosemExclutingPointPC2NetCDF The value should not be a missing value' for surface type 0 only for tatitudes between -70 and 70 degrees RNOCEDFD MassRySubertCosemExclutingPointPC2NetCDF The value should not be a missing value' for surface type 0 only for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface type = ocean for tatitudes between -70 and 7200 (or missing) for surface		Tost name			Dotaile					
OHHMOOR Index/OHHMOOR The mapping G2 DHz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) MMODEFENDEDF Missing Value if rocker/ExcludingPolar/ED2NetODF The value should not be a missing value for surface type 0 only for latitudes between-70 and 70 degrees MMODEFNCEF Missing Value if rocker/ExcludingPolar/ED2NetODF The value should not be a missing value for surface type 0 only for latitudes between-70 and 70 degrees MONOCFF Missing Value if rocker/ExcludingPolar/ED2NetODF The value should not be a missing value for surface type 0 only for latitudes between-70 and 70 degrees RSS2OPOEFPENDEF RangebackscatterSigmaZeroOPOceen/ExcludingPolar/ED2NetODF The backscatterSigmaZeroOPOceen/ExcludingPolar/ED2NetODF RSS2OPOEFPENDEF RangebackscatterSigmaZeroOPOceen/ExcludingPolar/ED2PLRNMECDF The backscatterSigmaZeroOPOceen/ExcludingPolar/ED2PLRNMECDF RSS2OPOEFPENDEF RangebackscatterSigmaZeroOPOceen/ExcludingPolar/NECDF The Long peol does headt should be between 70 and 750 (or missing) for surface type = ocean for latitudes between 70 and 70 degrees RREPORFDILRNMCDF RangebeakscatterSigmaZeroOPOceen/ExcludingPolar/MECDF The Long peol does headt should be between 70 and 750 (or missing) for surface type = ocean for latitudes between 70 and 750 (or missing) for surface type = ocean for latitudes between 70 and 750 degrees RREPORFDILRNMCDF RangebeakscatterSigmaZeroOPOceen/ExcludingPolarOPFD2LINMECDF										
MIXINGEPFID.NCDF Missing Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Missing Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Missing Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Missing Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Ansamp Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Ansamp Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Ansamp Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Ansamp Value for surface type 0 only for latitudes between -70 and 70 degrees RBS2CPOEPFNCDF Ansamp Value for surface type 0 conly for latitudes between -70 and 70 degrees RBS2CPOEPFNCDF Ansamp Value for surface type - coan for latitudes between -70 and 70 degrees RBS2CPOEPFNCDF Ansamp Value for surface type - coan for latitudes between -70 and 70 degrees RBS2CPOEPFNCDF Ansamp Value for surface type - coan for latitudes between -70 and 70 degrees RBS2CPOEPFNCDF Ansamp Value for surface type - coan for latitudes between -70 and 70 degrees RBS2CPOEPFNCDF Ansamp Value for Surface type - coan for latitudes between -70 and 70 degrees	BCSHNCDF	BurstCounterStep20HzNetC	DF		The burst counter should be	one higher with regard to the	previous burst counter			
MIXINGEPFID.NCDF Missing Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Missing Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Missing Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Missing Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Ansamp Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Ansamp Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Ansamp Value for surface type 0 only for latitudes between -70 and 70 degrees MIXOEPFNCDF Ansamp Value for surface type 0 only for latitudes between -70 and 70 degrees RBS2CPOEPFNCDF Ansamp Value for surface type 0 conly for latitudes between -70 and 70 degrees RBS2CPOEPFNCDF Ansamp Value for surface type - coan for latitudes between -70 and 70 degrees RBS2CPOEPFNCDF Ansamp Value for surface type - coan for latitudes between -70 and 70 degrees RBS2CPOEPFNCDF Ansamp Value for surface type - coan for latitudes between -70 and 70 degrees RBS2CPOEPFNCDF Ansamp Value for surface type - coan for latitudes between -70 and 70 degrees RBS2CPOEPFNCDF Ansamp Value for Surface type - coan for latitudes between -70 and 70 degrees	IOHHMOOR	IndexOf1Hzin20HzMapping0	DutOfRange		The mapping of 20 Hz to 1 H	Iz measurements should be i	n the range 0 to (number of 1	Hz samples - 1)		
MUNCEPROF Mesing/value/HI/Coen/Excluding/Polar/NECDF The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees MUNCEF Mesing/value/HI/Coen/MicCDF thi/A RBS2OP0EPFDNCDF RangeBas/ascatter/SigmaZenOPOcen/Excluding/Polar/PD2NatCDF the lackscatter sigma zero invalue between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 7500 (or missing) for surface type = ocean for latitudes between 700 and 700 degrees RREPORFDURINDEF RangePeakinessExtuding/PolarOPFD2R/RMARCDF The backscatter sigma zero and 200 (or missing) for surface type = ocean for latitudes between 700 and 70 degrees RREPORFDURINDEF RangePeakinessExtuding/PolarOPFD2R/RMARCDF The backscatter sigma zero and 15000 (or missing) for surface type = ocean for latitudes between 70 and 70 degrees RREPORFININDEF RangeP			Ū		11 5		3 . 1	, ,		
MUNOCDF MissingValueInt/CeanNetCDF The value should not be a 'missing value' for surface type 0 only GENCDF QualityFlagNetCDF #NA RBS2OP0EPFDNCDF RangeBackscatterSigmaZenoOPOceanExxburgPolarFD2NetCDF Ethestocatter sigma zeno should be between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 700 digrees RNEEPOFEDLRINKDDF RangePeaknessE:budingPolarOFD2PLRNSARtHCDF The Long period tide height should be between 400m (or missing) for surface type = ocean for listudes between 700 and 700 digrees RPEPOFEDLRINKDF RangePeaknessE:budingPolarOFD2PLRNSARtHCDF The Peakness should be between 0 and 90000 (or missing) for surface type = ocean for listudes between 700 and 700 di	MVIOEPFDNCDF	MissingValueIntOceanExclud	dingPolarFD2NetCDF		The value should not be a 'm	value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MUNOCDF MissingValueInt/CeanNetCDF The value should not be a 'missing value' for surface type 0 only GENCDF QualityFlagNetCDF #NA RBS2OP0EPFDNCDF RangeBackscatterSigmaZenoOPOceanExxburgPolarFD2NetCDF Ethestocatter sigma zeno should be between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 7500 (or missing) for surface type = ocean for listudes between 700 and 700 digrees RNEEPOFEDLRINKDDF RangePeaknessE:budingPolarOFD2PLRNSARtHCDF The Long period tide height should be between 400m (or missing) for surface type = ocean for listudes between 700 and 700 digrees RPEPOFEDLRINKDF RangePeaknessE:budingPolarOFD2PLRNSARtHCDF The Peakness should be between 0 and 90000 (or missing) for surface type = ocean for listudes between 700 and 700 di		Missing) (alualatOcconEvalue	ding DolorNot CDE		The value chould not be a 'missing value' for surface time 0 only for latitudes between 70 and 70 degrees					
OPINODE OwalityFlagNetCDF PNA RRBSZOPOEPFDNCFF RangeBackscatterSigmaZeroOPOcenExcludingPolarFD2NetCDF The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type =	MVIOEPNCDF	wissingvalueintOceanExclud	IngPolantelCDF		The value should not be a 'm	be a missing value for surface type of my for latitudes between -70 and 70 degrees				
OPNODF outlog/FagNetCDF eNA RBS2OPOEPFDNCRF RangeBackscatterSigmaZaro/DOceamExcludingPolarFD2NetCDF The backscatterSigma zaro and the between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 700 (or missing) for surface type = ocean for latitudes between 700 and 700 (or missing) for surface type = ocean for latitudes between 700 and 700 (or missing) for surface type = ocean for latitudes between 700 and 700 (or missing) for surface type = ocean for latitudes between 700 and 700 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for surface type = ocean for latitudes between 700 and 7000 (or missing) for	MVIONCDF	MissingValueIntOceanNetCE	DF		The value should not be a 'missing value' for surface type 0 only					
RBS2OPOEPFDNCRF RBS2OPOEPFDLRM KDOF RangeBackacaterSigmaZenoOPOceamExcludingPolarFD2NetCDF The backacatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 700 dogrees RBS2OPOEPNCDF RangeBackscatterSigmaZenoOPOceamExcludingPolarFD2PLRMNetCDF The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 700 dogrees RBS2OPOEPNCDF RangeBackscatterSigmaZenoOPOceamExcludingPolarFD2PLRMNetCDF The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 700 dogrees RNELPOTONCDF RangeNELPOceanTedoCeanNetCDF The Long rand tide height should be between 40mm (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 7500 (or missing) for surface type = ocean for latitudes between 70 and 750 dogrees RPEPOPEDSINNCDF RangePoakinessExcludingPol										
NasCLOPEPTIONCIDE Institutional statution of the Construction of the Constrection of the Construction of the Construction of t	QFNCDF	QualityFlagNetCDF			#N/A					
Batterin From Section 2000 Description 2000 <thdescript< td=""><td></td><td>RangeBackscatterSigmaZer</td><td>oOPOceanExcludingPolarEF</td><td></td><td>The backscatter sigma zero</td><td colspan="5"></td></thdescript<>		RangeBackscatterSigmaZer	oOPOceanExcludingPolarEF		The backscatter sigma zero					
NDDF Instgebacksamsing in additionation of cost and structure in the backween row and ro degrees Number of the backween row and row degrees RBSZOPDEPNCDF RangeBackscatterSigmaZenoOPOceanExcludingPolarNetCDF The backscatter sigma zero should be between row and row insising) for surface type = ocean for latitudes RNELPOTONCDF RangeBackscatterSigmaZenoOPOceanExcludingPolarNetCDF The Long period tide height should be between row and somm (or missing) for surface type = ocean for latitudes between row and row insising) for surface type = ocean for latitudes between row and row and somm (or missing) for surface type = ocean for latitudes between row and row and somm (or missing) for surface type = ocean for latitudes between row and row and somm (or missing) for surface type = ocean for latitudes between row and row row and row and row row and row and row and row and		Trange Daoksoaker olginazer	oor occarizzoldungi olari z	211010001	-					
RBSZOPOEPNCDF RangeBackscatterSigmaZero0POceanExcludingPolarNetCDF The backscatter sigma Zero 0POceanExcludingPolarNetCDF The Long period tile height should be between 700 and 7500 (or missing) for surface type = ocean RLPTONCDF RangeLePOceanTideOceanNetCDF The Long period tile height should be between -00mm and 500m (or missing) for surface type = ocean The Long period tile height should be between -00mm and 40mm (or missing) for surface type = ocean The Non-period tile height should be between -00mm and 40mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDLRMNODF RangePeakinessExcludingPolarOFD22LRMNetCDF The Peakiness should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOFFDLRMSNN RangePeakinessExcludingPolarOFD22LRMSARNetCDF The Peakiness should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOFFDLRMSND RangePeakinessExcludingPolarOFD22RMSARNetCDF The Peakiness should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEOFFDENSINNCF RangePeakinessExcludingPolarOFD2RSANNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEOFFDENSINNCF RangePeakinessExcludingPolarOFD2RSNNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees		RangeBackscatterSigmaZer	oOPOceanExcludingPolarFD	2PLRMNetCDF						
NBS2CP/OEPNCDF Ringebacksetual sqlintzation/PCeanExcluding/PolarieDF between -70 and 70 degrees RLPTONCDF RargeLongPeriodTdeOceanNetCDF The Long period tide height should be between -40mm and 50mm (or missing) for surface type = ocean RNELPOTONCDF RargeNELPOceanTideOceanNetCDF The Non-equilibrium tong period tocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDLRMNCDF RargeNeakinessExcludingPolarOPFD2LRMNetCDF The Polariness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDLRMNCDF RargeNeakinessExcludingPolarOPFD2LRMSARNetCDF The Polariness should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDRSINNCDF RargePeakinessExcludingPolarOPFD2LRMSINNetCDF The Polariness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDSINNCDF RargePeakinessExcludingPolarOPFD2SINNetCDF The Polariness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RargePeakinessExcludingPolarOPFD2SINNetCDF The Polariness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RargePeakinessExcludingPolarOPSINNetCDF The Polar					-					
RNELPOTONCDF RangeNELPOceanTideOceanNetCDF The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean RPEPOPFDLRMNCDF RangePeakinessExcludingPolarOPFD2LRMNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDLRMSAR NCDF RangePeakinessExcludingPolarOPFD2PLRMSARNAtCDF The Peakiness should be between 0 and 50000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDLRMSINN CDF RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF The Peakiness should be between 0 and 50000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2ERMNETCDF The Peakiness should be between 0 and 50000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SARNETCDF The Peakiness should be between 0 and 50000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNETCDF The Peakiness should be between 0 and 50000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSARNETCDF The Peakiness should be between 0 and 50000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RSSHAOFDNCDF<	RBSZOPOEPNCDF	RangeBackscatterSigmaZer	oOPOceanExcludingPolarNe	etCDF			(or missing) for surface	type - occarrior latitudes		
RNELPOTONCDF RangeNELPOceanTideOceanNetCDF The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean RPEPOPFDLRMNCDF RangePeakinessExcludingPolarOPFD2LRMNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDLRMSAR NCDF RangePeakinessExcludingPolarOPFD2PLRMSARNAtCDF The Peakiness should be between 0 and 50000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDLRMSINN CDF RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF The Peakiness should be between 0 and 50000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2ERMNETCDF The Peakiness should be between 0 and 50000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SARNETCDF The Peakiness should be between 0 and 50000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNETCDF The Peakiness should be between 0 and 50000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSARNETCDF The Peakiness should be between 0 and 50000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RSSHAOFDNCDF<		Rangel ongPeriodTideOcea	nNetCDF		The Long period tide beight	should be between -50mm ar	nd 50mm (or missing) for surf	ace type = ocean		
NRLEPOID Rangemeter Potean Record surface type = ocean surface type = ocean National State RPEPOPFDLRMNCDF RangePeakinessExcludingPolarOPFD2LRMNetCDF The Peakiness should be between 0 and 5400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDPLRMSINR RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDDLRMSINN RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDISINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDISINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSSECONCDF RangeSeaStrateBiasCorrectionOceanNet										
RPEPOPFDLRMNCDF RangePeakinessExcludingPolarOPFD2LRMNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDPLRMSIN RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDPLRMSIN RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSRNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RREPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RRSPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSSBCONCDF	RNELPOTONCDF	RangeNELPOceanTideOcea	anNetCDF			riod ocean loading tide height	should be between -40mm a	nd 40mm (or missing) for		
Pre-Pro-Druktiktop 70 degrees 70 degrees 70 degrees RPEPOPFDPLRMSRAR NCDF RangePeakinessExcludingPolarOPFD2LRMSARNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDPLRMSINN RPEPOPFDSARNCDF RangePeakinessExcludingPolarOPFD2SARNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPFD2RNNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSARNECDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RSSECONCDF RangePeakinessExcludingPolarOPSINNECDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RSSHAOCDFL RangeSeaStateBiasCorrectonOceanNetCDF The sea strace he						tween 0 and 6400 (or missing	1) for surface type = ocean fo	r latitudes between -70 and		
NCDF RangePeakinessExcludingPolarOPFD2FLRMSRANELCDF 70 degrees RPEPOPFDPLRMSIN RangePeakinessExcludingPolarOPFD2FLRMSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDSARNCDF RangePeakinessExcludingPolarOPFD2SARNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RREPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 4000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPLRMNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 4000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RREPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RSSECONCDF RangeSeaSurfaceHeightAnomalyOceanFD3NEtCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean	KPEPOPFULRMNCDF	RangePeakinessExcludingP	olarOPFD2LRMNetCDF		70 degrees					
NDD- To begressTo begressRargePeakinessExcludingPolarOPFD2PLRMSINN CDFRargePeakinessExcludingPolarOPFD2PLRMSINNetCDFThe Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degreesRPEPOPFDSINNCDFRargePeakinessExcludingPolarOPFD2SINNetCDFThe Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degreesRPEPOPFDSINNCDFRargePeakinessExcludingPolarOPFD2SINNetCDFThe Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degreesRPEPOPSARNCDFRargePeakinessExcludingPolarOPFD2NMetCDFThe Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 an 70 degreesRPEPOPSINNCDFRargePeakinessExcludingPolarOPSARNetCDFThe Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 an 70 degreesRPEPOPSINNCDFRargePeakinessExcludingPolarOPSARNetCDFThe Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degreesRRSBCONCDFRargeSeaSurfaceHeightAnomalyOceanFD3NetCDFThe sea state bias correction should be between -300mm and 3000mm (or missing) for surface type = ocean for surface type = ocean for surface type = ocean for latitudes between - 70 and 70 degreesRSSHAOFDPLRMNCDFRargeSeaSurfaceHeightAnomalyOceanFD3NetCDFThe sea surface height anomaly should be between -300mm and 3000mm (or missing) for surface type = ocean for surface type = ocean for latitudes between -0 and 70 degreesRSSHAOFDPLRMNCDFRargeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDFT	RPEPOPFDPLRMSAR	RangePeakinessExcludingP	olarOPFD2PLRMSARNetCD)F	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
CDF Raige-PaalitiessExcluding-rotat/OPED2/Environmeter/DP 70 degrees RPEPOPFDSARNCDF RangePeakinessExcludingPolarOPFD2/Environmeter/DP The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPLRMNCDF RangePeakinessExcludingPolarOPLXENTNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSARNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RREPOPSINNCDF RangePeakinessExcludingPolarOPSARNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RRSECONCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea state bias correction should be between -3000mm and 000mm (or missing) for surface type = ocean RSSHAOFDPLRMNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea state bias correction should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDPLRMNCD RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean	11001									
Construction The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPLRMNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSARNCDF RangePeakinessExcludingPolarOPLRMNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RSSBCONCDF RangeSeaStateBiasCorrectionOceanNetCDF The sea state bias correction should be between -3000mm and 0mm (or missing) for surface type = ocean 70 degrees RSSHAOFDPLRMNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean ressentable RSSHAOFDPLRMNCDF RangeSeaSurfaceHeightAnomalyOceanExcludingPolarFD2NetCDF The sea	CDF	RangePeakinessExcludingP	olarOPFD2PLRMSINNetCD	F						
RREPOPTISARINCUP RalgereakinessExcluding/rolat/PP23ARVietCDP 70 degrees RREPOPTDSINNCDF RangePeakinessExcludingPolarOPEDSINNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RREPOPLRMNCDF RangePeakinessExcludingPolarOPERMNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RREPOPSARNCDF RangePeakinessExcludingPolarOPSARNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RREPOPSINNCDF RangePeakinessExcludingPolarOPSARNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RRSBCONCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean RSSHAOFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDPLRMNCDF RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDPLRMNCDF RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean <td>-</td> <td colspan="3"></td> <td colspan="5">The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and</td>	-				The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and					
RREPOPTIONNODF RangePeakinessExcludingPolarOPLRMNetCDF 70 degrees RRPEPOPLRMNCDF RangePeakinessExcludingPolarOPLRMNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RRPEPOPSARNCDF RangePeakinessExcludingPolarOPSARNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RREPOPSINNCDF RangePeakinessExcludingPolarOPSARNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSSBCONCDF RangeSeaStateBiasCorrectionOceanNetCDF The sea state bias correction should be between -3000mm and 0mm (or missing) for surface type = ocean RSSHAOFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSWHOEPFDNCDF RangeSignificantWaveHe	REPOPEDSARNCDE	I vangereakinesse xciudingP	UIAI OFFDZOAKINEIGDF		70 degrees					
RPEPOPLRMNCDFRangePeakinessExcludingPolarOPLRMNetCDFThe Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degreesRPEPOPSARNCDFRangePeakinessExcludingPolarOPSARNetCDFThe Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degreesRPEPOPSINNCDFRangePeakinessExcludingPolarOPSINNetCDFThe Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degreesRRSBCONCDFRangeSeaStateBiasCorrectionOceanNetCDFThe sea state bias correction should be between -500mm and 0mm (or missing) for surface type = oceanRSSHAOFDNCDFRangeSeaSurfaceHeightAnomalyOceanFD3NetCDFThe sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = oceanRSSHAOFDPLRMNCDRangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDFThe sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = oceanRSWHOEPFDNCDFRangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDFThe sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = oceanRSWHOEPFDNCDFRangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDFThe sea surface height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degreesRSWHOEPFDPLRMNCPRangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDFThe significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degreesRSWHOEPFDPLRMNCPRangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDFThe significant wave height should b	RPEPOPFDSINNCDF	RangePeakinessExcludingP						or latitudes between -70 and		
RREPORT RangePeakinessExcludingPolarOPSARNetCDF 70 degrees RPEPOPSARNCDF RangePeakinessExcludingPolarOPSARNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RREPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RSSBCONCDF RangeSeaStateBiasCorrectionOceanNetCDF The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean RSSHAOFDPLRMNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDPLRMNCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDPLRMNCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDPLRMNCF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface ty					70 degrees					
RPEPOPSARNCDF RangePeakinessExcludingPolarOPSARNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RSSBCONCDF RangeSeaStateBiasCorrectionOceanNetCDF The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean RSSHAOFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDPLRMNCPF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDFLRMNCPF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The sea surface height anomaly should be between -3000mm and 15000mm (or missing) for surface type = ocean RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing	RPEPOPLRMNCDF	RangePeakinessExcludingP						audues between -/ 0 and		
RPEPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 an 70 degrees RSSBCONCDF RangeSeaStateBiasCorrectionOceanNetCDF The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean RSSHAOFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea state bias correction should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDPLRMNCD RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The sea surface height anomaly should be between -3000mm and 15000mm (or missing) for surface type = ocean RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDLRMNC RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be	RPEPOPSARNODE	RangePeakinessEvoludingP		The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and						
NLL OF ORNODIC Narge Calibration Control The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean RSSBAOFDNCDF RangeSeaStateBiasCorrectionOceanNetCDF The sea state bias correction should be between -500mm and 3000mm (or missing) for surface type = ocean RSSHAOFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDPLRMNCD RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF		- anger cannesse toudingri			70 degrees					
RSSBCONCDF RangeSeaStateBiasCorrectionOCceanNetCDF The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean RSSHAOFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDPLRMNCD RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2LRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDPLRNDCF RangeSignificantWaveHeightOceanExcludingPolarFD2LRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDPLRNDCF RangeSignificantWaveHeightOceanExcludingPolarFD2LRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFODLF RangeSignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFODLF	RPEPOPSINNCDF	RangePeakinessExcludingP	olarOPSINNetCDF		The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RestRAOFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDPLRMNCD RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDPLRMNCF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDPLRMNCF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	DOODOONCOS	Denne Orac Ohi i Di O								
RSSHAOFDPLRMNCD F RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	KSSBCONCDF	RangeSeaStateBlasCorrecti	onuceannetUDF		The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean					
RSSHAOFDPLRMNCD F RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	RSSHAOFDNCDF	RangeSeaSurfaceHeightAnd	omalyOceanFD3NetCDF		The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
F RangeSeaSunfaceHeightExturbereightExturberDoPErtwinterCDP Intersea sunface height anomaly should be between -3000mm (or missing) for sunface type = ocean RSSHAONCDF RangeSeaSunfaceHeightAnomalyOceanNetCDF The sea sunface height anomaly should be between -3000mm (or missing) for sunface type = ocean RSWH0EPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for sunface type = ocean for latitudes between -70 and 70 degrees RSWH0EPNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for sunface type = ocean for latitudes between -70 and 70 degrees RSWH0EPNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for sunface type = ocean for latitudes between -70 and 70 degrees RSWH0EPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for sunface type = ocean for latitudes between -70 and 70 degrees					-					
RSWH0EPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWH0EPFDPLRMNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWH0EPNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWH0EPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	F	RangeSeaSurfaceHeightAnd	omalyOceanFD3PLRMNetCl	DF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSWH0EPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWH0EPFDPLRMNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWH0EPNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWH0EPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	RSSHAONCDE	RangeSeaSurfaceHeightAm	omalyOceanNetCDF		The sea surface height anon	ally should be between 2000	mm and 3000mm (or missing			
RSWHOEPFDRCDF RangeSignificantWaveHeightOceanExcludingPolarPD2PLRMNetCDF Latitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarPD2PLRMNetCDF The significant wave height should be between 0 mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0 mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	NJORAUNUUF	angeoeaounacerreign(And	SmaryOuedInvelOUF		_					
RSWHOEPFDPLRMNC DF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees		1	ntOceanExcludingPolarFD2N	etCDF			15000mm (or missing) for su	face type = ocean for		
DF Ital geogramical (WaveHeightOceanExcludingPolarNetCDF Italitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF Italitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	RSWHOEPFDNCDF	RangeSignificantWaveHeigh			latitudes between -70 and 70 degrees					
RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees	RSWHOEPFDNCDF									
latitudes between - Y and Yu degrees			ntOceanExcludingPolarFD2P	LRMNetCDF			15000mm (or missing) for su	face type = ocean for		
SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF Rel_Time_ASC_Node_Stop mismatch	RSWHOEPFDNCDF RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeigh			latitudes between -70 and 70 The significant wave height s) degrees should be between 0mm and				
	RSWHOEPFDNCDF RSWHOEPFDPLRMNC	RangeSignificantWaveHeigh			latitudes between -70 and 70 The significant wave height s) degrees should be between 0mm and				
	RSWHOEPFDNCDF RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeigh RangeSignificantWaveHeigh	- ntOceanExcludingPolarNetCI		latitudes between -70 and 70 The significant wave height s latitudes between -70 and 70) degrees should be between 0mm and) degrees				

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0