

QA4EO Daily Report for IOP data:

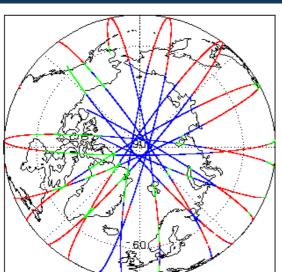
<u>27/10/2022</u>

IDEAS-QA4E0

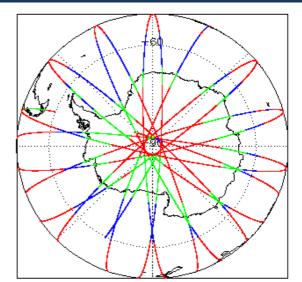
Demant Dreduction.	31 Oct 9999	Check	L1 & L2	P2P
Report Production:	31-Oct-2022	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	Crucest Occar Brassager	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor useu:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Intermediate Ocean Products (IOP)	Product Format Check	Nominal	Nominal
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, 7.2	See Section 7.1, 7.2

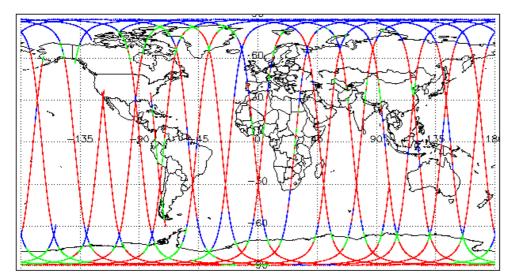
1. Overview

Mission / Instrument News		
26-Oct-2022	None	
27-Oct-2022	None	
28-Oct-2022	Nothing planned	













3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

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

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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 inconsistencie	es and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
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	e validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag for each measurement record	I. The bit value of this flag indicates any pro	oblems when set.
Number of products with errors: 0		
4.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag for each measurem	ent record. The bit value of this flag indicat	tes any problems when set.
> Attitude Correction Missing: This flag is currently set in error for IOPR prod update.	lucts due to a configuration issue. The attit	tude correction is actually not missing. This will be resolved in the next SW
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20221027T094806_20221027T100233_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 pro	blems when set.

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20221027T090151_20221027T091257_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221027T110841_20221027T112506_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221027T015846_20221027T020028_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221027T060600_20221027T060706_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221027T092335_20221027T092455_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221027T110249_20221027T110354_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221027T110724_20221027T110841_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221027T112507_20221027T113028_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221027T124202_20221027T124747_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221027T141519_20221027T141550_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221027T191318_20221027T191554_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221027T222859_20221027T222945_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221027T223156_20221027T223412_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221027T233501_20221027T233912_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221027T043014_20221027T043214_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221027T045813_20221027T050103_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221027T064255_20221027T064723_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221027T163954_20221027T164434_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221027T183340_20221027T183743_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221027T190430_20221027T190758_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

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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).

0

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

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221027T212124_20221027T212335_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPM_2_20221027T221348_20221027T222859_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	#N/A
CS_OFFL_SIR_IOPN_2_20221027T001734_20221027T002110_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20221027T005905_20221027T010256_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20221027T010805_20221027T010841_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221027T015846_20221027T020028_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221027T051444_20221027T051759_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20221027T060600_20221027T060706_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221027T065342_20221027T065659_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20221027T082817_20221027T083054_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20221027T083247_20221027T083906_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20221027T092335_20221027T092455_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20221027T100623_20221027T100951_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20221027T110249_20221027T110354_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20221027T114550_20221027T114748_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221027T124202_20221027T124747_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20221027T132523_20221027T132641_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221027T150655_20221027T150849_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20221027T164434_20221027T164759_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20221027T182337_20221027T182658_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20221027T201059_20221027T201224_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20221027T205353_20221027T205456_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20221027T223156_20221027T223412_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20221027T233501_20221027T233912_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221027T010257_20221027T010805_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T024018_20221027T024822_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T041906_20221027T042639_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T043014_20221027T043214_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221027T043551_20221027T043738_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221027T055651_20221027T060436_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T060436_20221027T060600_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

	1	1
CS_OFFL_SIR_IOPR_2_20221027T073647_20221027T074335_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T074335_20221027T074647_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T091624_20221027T092226_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T092226_20221027T092335_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T100457_20221027T100623_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221027T105614_20221027T105712_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221027T105716_20221027T105801_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221027T105815_20221027T105945_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T105945_20221027T110248_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T123624_20221027T124202_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T141718_20221027T142222_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T155536_20221027T160424_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T191554_20221027T192318_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T205457_20221027T210207_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20221027T223412_20221027T224058_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check

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

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Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221027T094806_20221027T100232_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221026T235325_20221027T000713_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T001100_20221027T001542_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more records
CS_OFFL_SIR_IOPM_2_20221027T001621_20221027T001733_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T002336_20221027T004507_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T004510_20221027T004904_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T012252_20221027T014339_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T015118_20221027T015456_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more records
CS_OFFL_SIR_IOPM_2_20221027T015520_20221027T015845_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more records
CS_OFFL_SIR_IOPM_2_20221027T020217_20221027T022945_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T030106_20221027T032537_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T032916_20221027T033411_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more records
CS_OFFL_SIR_IOPM_2_20221027T034252_20221027T041554_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T042726_20221027T043014_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T050103_20221027T050225_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T050915_20221027T051443_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more records
CS_OFFL_SIR_IOPM_2_20221027T052214_20221027T055651_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T060707_20221027T060921_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T061807_20221027T062145_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more records
CS_OFFL_SIR_IOPM_2_20221027T062655_20221027T064255_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T064838_20221027T065341_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more records
CS_OFFL_SIR_IOPM_2_20221027T070041_20221027T073551_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 beer set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T073618_20221027T073621_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been se for one or more records
CS_OFFL_SIR_IOPM_2_20221027T074647_20221027T074807_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 beer set for one or more records

0,000_ult_QRD_000_ULT210000_URT210010_URT21000_URT2	CS_OFFL_SIR_IOPM_2_20221027T075824_20221027T082118_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
G IFFL, BIR JERV E 2021/02/104/2010 12021/02/104/2010 port Biocelarity Output processing and Biocelarity Output Program Strategy	CS_OFFL_SIR_IOPM_2_20221027T083054_20221027T083247_C001		
Sci. OFT. URL INCLUDE 2.00211027108200, 202211027108200, 202010271101200, 2001 Cocoo A Annee A Resp. Side, Side and Resp. Side A Resp. Side, Side and Resp. Sid	CS_OFFL_SIR_IOPM_2_20221027T084030_20221027T085138_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
BL_PERT_URL_MIL_VALUE Mode Addition & Region Multiple Mode Addition & Region M	CS_OFFL_SIR_IOPM_2_20221027T085243_20221027T085440_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
B3, DFH_SRE_DML_2_t221027110040_002102711018126_C001 Intel Badescantur Quality (DBG DSL_DFH_SRE_DML_2_t221027110040_002102711018126_C001 Dess Attracter Rargs, SSLA, SWH, and Badescantur Quality (DBG DSL_DFH_SRE_DML_2_t22210271100400_00210271101826_C001 Dess Attracter Rargs, SSLA, SWH, and Badescantur Quality (DBG DSL_DFH_SRE_DML_2_t22210271100400_00210271101826_C001 Dess Attracter Rargs, SSLA, SWH, and Badescantur Quality (BBG DSL_DFH_SRE_DML_2_t22210271100400_00210271101826_C001 Dess Attracter Rargs, SSLA, SWH, and Badescantur Quality (BBG DSL_DFH_SRE_DML_2_t22210271101826_C00210271101826_C001 DESs Attracter Rargs, SSLA, SWH and Badescantur Quality (BBG DSL_DFH_SRE_DML_2_t22210271101826_C00210271101826_C001 DESS Attracter Rargs, SSLA, SWH and Badescantur Quality (BBG DSL_DFH_SRE_DML_2_t22210271101826_C00210271101826_C001 DESS Attracter Rargs, SSLA, SWH and Badescantur Quality (BBG DSL_DFH_SRE_DML_2_t22210271101826_C001 DESS Attracter Rargs, SSLA, SWH and Badescantur Quality (BBG) has the ben ref DSL_DFH_SRE_DML_2_t220210271101826_C001 Dess Attracter Rargs, SSLA, SWH and Badescantur Quality (BBG) has the ben ref DSL_DFH_SRE_DML_2_t2202102711101826_C001 Dess Attracter Rargs, SSLA, SWH and Badescantur Quality (BBG) has the ben ref DSL_DFH_SRE_DML_2_t2202102711101826_C001 Dess Attracter Rargs, SSLA, SWH and Badescantur Quality (BBG) has the ben ref DSL_DFH_SRE_DML_2_t2202102711101826_C001 Des	CS_OFFL_SIR_IOPM_2_20221027T085505_20221027T085709_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SRUGPM_2_R0221027102400_R0210271103400_C001 Mol Backetorin Cuality CO05 Nimeter Regres 2014 Science Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Science Regres 2014 Context Regres 2014 Science Regres 2014 Sci	CS_OFFL_SIR_IOPM_2_20221027T090151_20221027T091257_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CBL_DFFL_SHUGPM_2_IN2210271104496_J0221027110156_0001 Imit Backgrafter Quarky, OCC0 Attempts Attempts Attem	CS_OFFL_SIR_IOPM_2_20221027T092850_20221027T094602_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Carbon Long Beside and the construction of the	CS_OFFL_SIR_IOPM_2_20221027T094806_20221027T100232_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Obj. DHL_SHL_DHL_SLOCATION IN UND_COM Badwaater Quilly Tor one or more records C5: 0FFL_SIR_IOPM_2_0021027T101925_20221027T10314_0001 Coan Almeter Rango, SSHA, SWH and Backacater Quilly, Coan Almeter Rango and Backacater Quilly, Flags have been Almeter Rango and Backacater Quilly, Coan and Backacater Quilly, Coan Almeter Rango and Backacater Quilly, Flags have been Almeter Rango, SSHA, SWH and Backacater Quilly, Flags have been Almeter Rango and Backacater Quilly, Flags have been and the OCOR Almeter Rango and Backacater Quilly, Flags have been Almeter Range and Backacater Quilly, Flags have been Almeter Range and Backacater Quilly, Flags have been and the OCOR Almeter Range and Backacater Quilly, Flags have been Almeter Range and Backacate	CS_OFFL_SIR_IOPM_2_20221027T100952_20221027T101159_C001		
CB_OFFL_SIR_IOPM_2_80210271110325_20210271110316_0001 and Backsatter Quality, COSG and the COSC Alternet Pages, SSH, SWH The Ocean Alternet Page and Backsatter Quality Page tave been Alternet Page and Backsatter Quality, COSG CS_OFFL_SIR_IOPM_2_202210277110641_202210277111628_2022102771121164_202210277111628_2022102771121164_202210277111628_20221027711211645_2022102771121164_2022102771121164_2022102771121164_202	CS_OFFL_SIR_IOPM_2_20221027T101251_20221027T101701_C001		
CB_OFFL_SIR_JOPM_2_20221027T103416_2021 and the Social County and the Social County and the Social County CB_OFFL_SIR_JOPM_2_20221027T103616_20221027T10458_C001 Coare Minimeter Range SMA, SWH and Backscatter Quality Flags have been and the Social County The Ocean Alimeter Range SMA, SWH and Backscatter Quality Flags have been and the Social County CB_OFFL_SIR_JOPM_2_20221027T110461_20221027T112066_001 Coere Minimeter Range SMA, SWH and Backscatter Quality Flags have been and the Social County The Ocean Alimeter Range SMA, SWH and Backscatter Quality Flags have been and the Social County CB_OFFL_SIR_JOPM_2_20221027T114718_028_20221027T114716_202_0001 Coere Minimeter Range SMA, SWH and Backscatter Quality Flags have been and the Social County The Ocean Alimeter Range SMA, SWH and Backscatter Quality Flags have been and the Social County CB_OFFL_SIR_JOPM_2_20221027T114748_20221027T114746_20221027T114747_C001 Coere Alimeter Range SMA, SWH and Backscatter Quality Flags have been and thronge and Backscatter Quality Flags have been and toro or more records CB_OFFL_SIR_JOPM_2_20221027T114748_20221027T112147_C001 Coere Alimeter Range SMA, SWH and Backscatter Quality Flags have been and toro or more records CB_OFFL_SIR_JOPM_2_20221027T114747_20221027T112147_C001 Coere Alimeter Range SMA, SWH and Backscatter Quality Flags have been and toro or more records CB_OFFL_SIR_JOPM_2_20221027T112495_C001 Coere Alimeter Range SMA, SWH and Backscatter Quality Flags have been and toro or more records CB_OFFL_SIR_JOPM_2_20221027T112497_C001	CS_OFFL_SIR_IOPM_2_20221027T101925_20221027T103124_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS, OFFL_SIR_IOPM 2.20221027T108016_20221027T119508_001 and Backscatter Quality COGG Allimeter Pange and Backscatter Quality Flags have been after for one or more records and backscatter Quality Flags have been after or one or more records CS_OFFL_SIR_IOPM 2.20221027T119081_02021027T119250_0001 Ocean Allineter Range, SSHA, SWH and Backscatter Quality Flags have been after Quality CGS_OFFL_SIR_IOPM 2.20221027T119028_20221027T119028_20221027T119028_20221027T119028_20221027T119028_20221027T119028_20221027T119028_20221027T119028_20221027T119028_20221027T112047_QUIDER Tange, SSHA, SWH and Backscatter Quality CGG CS_OFFL_SIR_IOPM 2.20221027T119028_20221027T112047_QUIDER Tange Ocean Allineter Range, SSHA, SWH and Backscatter Quality Flags have been after or on more records CS_OFFL_SIR_IOPM 2.20221027T119028_20221027T112047_QUIDER Tange Ocean Allineter Range, SSHA, SWH and Backscatter Quality Flags have been after the one or more records CS_OFFL_SIR_IOPM 2.20221027T1121047_QUIDER Tange and Backscatter Quality Ocean Allineter Range, SSHA, SWH and Backscatter Quality Flags have been after the and the OCOA Allineter Range and Backscatter Quality Flags have been after the or on more records CS_OFFL_SIR_IOPM 2.20221027T1121047_QUIDER Tange QUIDER Tange Allineter Range and Backscatter Quality Ocean Allineter Range, SSHA, SWH and Backscatter Quality Flags have been after the OCOA Allineter Range, SSHA, SWH and Backscatter Quality Flags have been after the OCOA Allineter Range, SSHA, SWH and Backscatter Quality Flags have been after the OCOA Alli	CS_OFFL_SIR_IOPM_2_20221027T103240_20221027T103415_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221027T11041_20221027T112506_0001 and Backscatter Quality Plags have been at Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Quality Plags have been at the COG Attimeter Range SNA, SWH and Backscatter Qu	CS_OFFL_SIR_IOPM_2_20221027T103616_20221027T104538_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_JOPM_2_20221027T113028_20221027T113011_C001 and Backscatter Quality. COCG Altimeter Range and Backscatter Quality. COCG Backscatter Quality. Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221027T121734_20221027T121945_C001 COCGA Altimeter Range Duality. COCG Backscatter Quality. COCG Altimeter Range. SSHA, SWH and Backscatter Quality. Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221027T128703_20221027T128503_C001 COCGA Altimeter Range. SSHA, SWH and Backscatter Quality. COCG Altimeter Range. SSHA, SWH and Backscatter Quality. COCG Altimeter Range. SSHA, SWH and Backscatter Quality. Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221027T128703_20221027T128703_2021027T113203_C001 COCGA Altimeter Range. SSHA, SWH and Backscatter Quality. COCG Altimeter Range and Backscatter Quality. Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221027T1130345_C001 COCGA Altimeter Range. SSHA,	CS_OFFL_SIR_IOPM_2_20221027T110841_20221027T112506_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_202210271119207_20221027T1121437_C001 Backscatter Quality For one or more records CS_OFFL_SIR_IOPM_2_20221027T115927_20221027T1121437_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality, CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the CCOG Altimeter Range, SSHA, SWH and Backscatter Quality, CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T122673_0021 CCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCG Altimeter Range, SSHA, SWH a	CS_OFFL_SIR_IOPM_2_20221027T113028_20221027T114311_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221027T115927_20221027T1121437_C001 and Backscatter Quality and the OCOCA Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221027T121734_20221027T1121945_C001 Cean Altimeter Range And Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been and the OCOCA Altimeter Range and Backscatter Quality Flags have been and the OCOCA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T122823_20221027T122807_C001 OCOCA Altimeter Range Quality, OCOCA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T124747_20221027T125613_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T125703_20221027T125703_20221027T130031_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T130034_20221027T13203_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T130034_20221027T13033_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T130034_20221027T13033_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T130343_C001 O	CS_OFFL_SIR_IOPM_2_20221027T114748_20221027T115604_C001	0 ,,	
CS_OFFL_SIR_IOPM_2_20221027T121734_20221027T121945_C001 and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality set for one or more records CS_OFFL_SIR_IOPM_2_20221027T122923_20221027T123507_C001 CCOG Altimeter Range Quality, CCOG CS_OFFL_SIR_IOPM_2_20221027T122923_20221027T123507_C001 CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T124747_20221027T125613_C001 Ccean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags have been and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221027T125703_20221027T130031_C001 Ccean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221027T130034_20221027T130031_C001 Ccean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221027T130034_20221027T13203_C001 Ccean Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221027T13293_20221027T132303_C001 Coean Altimeter Range Cuality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T133929_20221027T133435_C001 COCGA Altimeter Range ASHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T1139929_20221027T140235_C001 Ccean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SI	CS_OFFL_SIR_IOPM_2_20221027T115927_20221027T121437_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221027T124747_20221027T125613_C001 Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_20221027T124747_20221027T125613_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T130034_20221027T13203_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T13203_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T132923_20221027T132935_C001 OCCOG Altimeter Range Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, ASHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T133929_20221027T140235_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 have been set for one or more records	CS_OFFL_SIR_IOPM_2_20221027T121734_20221027T121945_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221027T124747_20221027T125613_C001 and Backscatter Quality, COCG and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221027T125703_20221027T130031_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been and Back	CS_OFFL_SIR_IOPM_2_20221027T122923_20221027T123507_C001		
CS_OFFL_SIR_IOPM_2_20221027T125703_20221027T130031_C001and Backscatter Quality, OCOG Attimeter Range and Backscatter Qualityand the OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221027T130034_20221027T132033_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and the OCOG Attimeter Range and Backscatter QualityCS_OFFL_SIR_IOPM_2_20221027T132923_20221027T132933_C001OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOGThe OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221027T132923_20221027T133435_C001OCCG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, OCOGThe OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221027T133929_20221027T140235_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality Flags had backscatter Quality, OCOGThe Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags had backscatter Quality, Plags had backscatter Quality, OCOGCS_OFFL_SIR_IOPM_2_20221027T141550_20221027T141607_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality Flags had backscatter Quality, Plags have beenCS_OFFL_SIR_IOPM_2_20221027T143439_20221027T143439_20221027T150113_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOGThe Ocean Altimeter Range, SSHA, SWH and the OCOG A	CS_OFFL_SIR_IOPM_2_20221027T124747_20221027T125613_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221027T130034_20221027T132303_C001and Backscatter Quality, OCOG Attimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221027T132923_20221027T133435_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221027T133929_20221027T140235_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsThe OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hand Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221027T141550_20221027T141607_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221027T14339_20221027T141607_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221027T14339_20221027T150113_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGThe Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH 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_IOPM_2_20221027T125703_20221027T130031_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221027T133929_20221027T140235_C001 Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_20221027T133929_20221027T140235_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, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags hand the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hand the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Altimeter Range and Backscatter Quality Flags hat the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221027T130034_20221027T132303_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221027T133929_20221027T140235_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_IOPM_2_20221027T141550_20221027T141607_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 to ro er or more records CS_OFFL_SIR_IOPM_2_20221027T141550_20221027T141607_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags to ro er or more records CS_OFFL_SIR_IOPM_2_20221027T143439_20221027T150113_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221027T132923_20221027T133435_C001		
CS_OFFL_SIR_IOPM_2_20221027T141550_20221027T141607_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221027T143439_20221027T150113_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatt	CS_OFFL_SIR_IOPM_2_20221027T133929_20221027T140235_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221027T143439_20221027T150113_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221027T141550_20221027T141607_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPM_2_20221027T143439_20221027T150113_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20221027T150849_20221027T151452_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T151815_20221027T153746_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T155250_20221027T155536_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T164759_20221027T164822_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T174658_20221027T175603_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T175848_20221027T182007_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T182807_20221027T183216_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T183743_20221027T185353_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T191158_20221027T191232_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T192333_20221027T195849_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T200218_20221027T200702_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T201803_20221027T204947_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T210207_20221027T210417_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T210436_20221027T211643_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T212341_20221027T213816_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T214046_20221027T214601_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T214620_20221027T214633_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T215613_20221027T220856_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T221348_20221027T222859_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T225124_20221027T230145_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T230325_20221027T231658_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T232012_20221027T232513_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T233347_20221027T233500_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T233912_20221027T234625_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPM_2_20221027T235047_20221027T235536_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T061428_20221027T061605_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_IOPN_2_20221027T110724_20221027T110841_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T185353_20221027T185720_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T002111_20221027T002336_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T061605_20221027T061807_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T094603_20221027T094739_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T103516_20221027T103523_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T154529_20221027T154531_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T163954_20221027T164434_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20221027T005647_20221027T005810_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T005905_20221027T010256_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T011749_20221027T011921_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T012020_20221027T012252_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T014848_20221027T015117_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T015846_20221027T020028_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T025649_20221027T025754_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T032750_20221027T032916_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T033748_20221027T033929_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T044207_20221027T044312_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T044613_20221027T044706_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T044808_20221027T044944_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T050754_20221027T050915_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T051444_20221027T051759_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T062421_20221027T062655_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_IOPN_2_20221027T065342_20221027T065659_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T082817_20221027T083054_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T083247_20221027T083906_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T104539_20221027T104741_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T110443_20221027T110537_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T110724_20221027T110841_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T112507_20221027T113028_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T114550_20221027T114748_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T124202_20221027T124747_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T141519_20221027T141550_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T150655_20221027T150849_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T151453_20221027T151620_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T160424_20221027T160801_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T164434_20221027T164759_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T185353_20221027T185720_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T191318_20221027T191554_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T200025_20221027T200218_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T214813_20221027T215015_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T231824_20221027T232012_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T233501_20221027T233912_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T234625_20221027T235047_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221027T235536_20221027T235658_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T000713_20221027T000843_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T010841_20221027T011019_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T014618_20221027T014848_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T020028_20221027T020217_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_JOPR_2_20221027T034252_C001 Coan Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have bee prices CS_OFFL_SIR_JOPR_2_20221027T041905_20221027T042639_C001 Coan Altimeter Range and Backscatter Cuality Flags have bee prices CS_OFFL_SIR_JOPR_2_20221027T043014_20221027T042639_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Cuality Flags and Backscatter Cuality Flags, Cocan Altimeter Range and Backscatter Cuality Flags, SSHA, SWH and Backscatter Cuality Flags have bee set for one or more records CS_OFFL_SIR_JOPR_2_20221027T043014_20221027T043214_C001 COCG Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have bee set for one or more records CS_OFFL_SIR_JOPR_2_20221027T050256_20221027T050754_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Cuality PLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Cuality PLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have bee set for one or more records CS_OFFL_SIR_JOPR_2_20221027T050754_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Cuality PLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have bee set for one or more records CS_OFFL_SIR_JOPR_2_20221027T061143_20221027T061156_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have bee set for one or more records CS_OFFL_SIR_JOPR_2_20221027T061425_20221027T064722_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have bee set for one or more records CS_OFFL_SIR_JOPR_2_20221027T064725_2021027T064725_2021 Cocan Altimeter Range, SSHA, SWH and Backscatter Cuality
CS_OFFL_SIR_IOPR_2_20221027T041906_20221027T042839_0001 and Backscatter Quality PLRM, COG and Backscatter Quality Plag, and Backscatter Quality Plag, have been set for one or more records CS_OFFL_SIR_IOPR_2_20221027T043014_20221027T043214_0001 OCCG Alimeter Range Quality PLRM, COG The OCCG Range and Backscatter Quality Flag, have been set for one or more records CS_OFFL_SIR_IOPR_2_20221027T050226_20221027T050754_0001 OCCG Alimeter Range SHA, SWH and Backscatter Quality Flag, have been set for one or more records The OCCG Range and Backscatter Quality Flag, have been set for one or more records CS_OFFL_SIR_IOPR_2_20221027T0505651_20221027T050546_0001 OCCG Alimeter Range, SHA, SWH and Backscatter Quality Flag, have been set for one or more records The OCCG Range and Backscatter Quality Flag, have been set for one or more records CS_OFFL_SIR_IOPR_2_20221027T0505651_20221027T060438_0001 Ocean Alimeter Range, SHA, SWH and Backscatter Quality Flag, have been set for one or more records The Ocean Alimeter Range, SHA, SWH and Backscatter Quality Flag, have been set for one or more records CS_OFFL_SIR_IOPR_2_20221027T061143_20221027T061158_0001 Materser Range, SHA, SWH and Backscatter Quality Flag, have been tor one or more records CS_OFFL_SIR_IOPR_2_20221027T064255_20221027T064723_0001 Ocean Alimeter Range, SHA, SWH and Backscatter Quality Flags have been tor one or more records CS_OFFL_SIR_IOPR_2_20221027T0764723_0001 Ocean Alimeter Range, SHA, SWH and Backscatter Quality Flags have been tor one ore records The Ocean Alimeter Range and Backscatter
CS_OFFL_SIR_IOPR_2_2022102/1043014_2022102/1043214_0001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_2022102/1050256_2022102/1050754_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_2022102/10505651_2022102/1050436_C001 Decan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_2022102/10505551_2022102/1060436_C001 Decan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_2022102/1061143_2022102/1061158_C001 Mineter Range, SSHA, SWH and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_2022102/1064255_2022102/1064723_C001 Mineter Range, SSHA, SWH and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_2022102/1065659_2022102/1064723_C001 Mineter Range, SSHA, SWH and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_2022102/1065659_2022102/1064723_C001 Mineter Range, SSHA, SWH and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_2022102/10766425_2022102/1070435_C001 Decan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_2022102/10766427_2022102/10764335_C001 Decan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_2022102/1076847_2022
CS_OFFL_SIR_IOPR_2_20221027T050226_20221027T050754_C001 and Backscatter Range and Backscatter Quality Flags have bee and Backsca
CS_OFFL_SIR_IOPR_2_20221027T055651_20221027T060436_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_20221027T061143_20221027T061158_C001 Ceean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have bee pLRM CS_OFFL_SIR_IOPR_2_20221027T061255_20221027T064723_C001 Ceean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and B
CS_OFFL_SIR_IOPR_2_20221027T061143_20221027T061158_C001 and Backscatter Quality PLRM_COCG Attimeter Range and Backscatter Quality PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM_COCG Attimeter Range and Backscatter Quality FLRM_COCG Attimeter Range and Backscatt
CS_OFFL_SIR_IOPR_2_20221027T064255_20221027T064723_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_20221027T065659_20221027T070041_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_20221027T073647_20221027T074335_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_20221027T082119_20221027T082817_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Atimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Atimeter Range and Backscatter Quality PLRM,
CS_OFFL_SIR_IOPR_2_20221027T065659_20221027T070041_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and the OCGA Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_20221027T082119_20221027T082817_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have bee set for one or more records CS_OFFL_SIR_IOPR_2_20221027T091624_20221027T092226_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Bac
CS_OFFL_SIR_IOPR_2_20221027T073647_20221027T074335_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM In the Ocean Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20221027T082119_20221027T082817_C001 Cs_oFFL_SIR_IOPR_2_20221027T082119_20221027T082817_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20221027T091624_20221027T092226_C001 Cs_oFFL_SIR_IOPR_2_20221027T091624_20221027T092226_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20221027T091624_20221027T092226_C001 Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T082119_20221027T082817_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20221027T091624_20221027T092226_C001 CS_OFFL_SIR_IOPR_2_20221027T091624_20221027T09226_C001 CS_OFFL_SIR_IOPR_2_20221027T091624_20221027T09226_C001 CS_OFFL_SIR_IOPR_2_20221027T091624_20221027T09226_C001 CS_OFFL_SIR_IOPR_2_20221027T091624_20221027T09226_C001 CS_OFFL_SIR_IOPR_2_2002107T091624_20221027T09226_C001 CS_OFFL_SIR_IOPR_2_2002107T091624_2002107T0926_S0000000 CS_OFFL_SIR_IOPR_2_2002107T091624_2002000000000 CS_OFFL_SIR_IOPR_2_2002107T091624_200000000000000000000000000000000000
CS_OFFL_SIR_IOPR_2_20221027T091624_20221027T092226_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS OFFLISIN LORD 2 20221027T044602 20221027T044720 C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one
CS_OFFL_SIR_IOPR_2_20221027T094603_20221027T094739_C001 OCOG Backscatter Quality OCOG Backscatter Quality OFFL_SIR_IOPR_2_20221027T094603_20221027T094739_C001 OCOG Backscatter Quality OFFL_SIR_IOPR_2_20221027T094603_20221027T094739_C001 OCOG Backscatter Quality OFFL_SIR_IOPR_2_20221027T094603_20221027T094739_C001 OFFL_SIR_IOPR_2_20221027T094603_20221027T094739_C001 OFFL_SIR_IOPR_2_20221027T094603_20221027T094739_C001 OFFL_SIR_IOPR_2_20221027T094603_20221027T094739_C001 OFFL_SIR_IOPR_2_20221027T094603_20221027T094739_C001 OFFL_SIR_IOPR_2_20221027T094603_20221027T094739_C001 OFFL_SIR_IOPR_2_20221027T094603_20221027T094739_C001 OFFL_SIR_IOPR_2_20221027T094603_20221027T094739_C001 OFFL_SIR_IOPR_2_20221027T094739_C001 OFFL_SIR_IOPR_2_20227 OFFL_SIR_IOPR_2_20227 OFFL_SIR_IOPR_2_20227 OFFL_SIR_IOPR_2_2027 OFFL_SIR_IOPR_2_2027 OFFL_SIR_IOPR_2_2027 OFFL_SIR_IOPR_2_2027 OFFL_SIR_IOPR_2_2027 OFFL_SIR_IOPR_2_2027 OFFL_SIR_IOPR_2_2027 OFFL_SIR_IOPR_2_2027 OFFL_SIR_IOPR_2_
CS_OFFL_SIR_IOPR_2_20221027T100457_20221027T100623_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been been for one or more records been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backs
CS_OFFL_SIR_IOPR_2_20221027T103124_20221027T103240_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set for one more records
CS_OFFL_SIR_IOPR_2_20221027T105614_20221027T105712_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OC
CS_OFFL_SIR_IOPR_2_20221027T105716_20221027T105801_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set for one more records
CS_OFFL_SIR_IOPR_2_20221027T115752_20221027T115927_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee Altimeter Range and Backscatter Quality Flags have bee PLRM
CS_OFFL_SIR_IOPR_2_20221027T123507_20221027T123624_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OC
CS_OFFL_SIR_IOPR_2_20221027T123624_20221027T124202_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been been been been been been been be
CS_OFFL_SIR_IOPR_2_20221027T132303_20221027T132523_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have bee Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have bee bet for one or more records
CS_OFFL_SIR_IOPR_2_20221027T141718_20221027T142222_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been been been been been been been be
CS_OFFL_SIR_IOPR_2_20221027T150114_20221027T150444_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been been been been been been been be
CS_OFFL_SIR_IOPR_2_20221027T155536_20221027T160424_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been been been been been been been be
CS_OFFL_SIR_IOPR_2_20221027T163954_20221027T164434_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been been been been been been been be
CS_OFFL_SIR_IOPR_2_20221027T175603_20221027T175848_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality PLRM.

CS_OFFL_SIR_IOPR_2_20221027T183340_20221027T183743_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T191233_20221027T191318_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T191554_20221027T192318_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T201224_20221027T201803_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T205457_20221027T210207_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T215015_20221027T215613_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T220943_20221027T221151_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T223023_20221027T223156_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T223412_20221027T224058_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221027T231659_20221027T231824_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
L2 Quality Flags (1 Hz & 1 Hz PLRM)		
Currently, there are several common flags raised in the Level 2 products,	which are summarised below.	
> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set for		d. The number of products with this error flag set is given below.
Number of products with errors: 180		
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 measu	rement record. The bit value of this flag indica	ates any problems when set.
> Ocean Retracking Quality Flag: This flag is currently set for products over la	and and sea ice, but this is to be expected. Th	e number of products with this error flag set is given below.
Number of products with errors: 65		
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 fla	g indicates any problems when set.
> Ocean Retracking Quality Flag (PLRM): This flag is currently set for produc given below.	ts IOPR and IOPN products over sea ice, but	this is to be expected. The number of products with this error flag set is
Number of products with errors: 140		
6. IOP L2	Pole-to-Pole Data Quality	Check
6.1 P2P Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to er	nsure it consists of both an YML booder file ()	HDR) and a NetCDE product file (pc)
Number of products with errors: 0	INTER CONSISTS OF DUTH AT AIVE TRADEL THE	
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 a	nd/or errors raised by the ground-segment processing chain
Number of products with errors: 0	SFITTIN OLDER TO IDENTITY ANY INCONSISTENCIES A	nurur en ors raiseu by the ground-segment processing chain.
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 va	lidity of Auxiliary Data Files is correct.
Number of products with errors: 0		
6.4 P2P Auxiliary Correction Error Check		
For all products, the auxiliary corrections within the Geophysical Group are chec	ked for the default error value (32767)	
Currently, there are some common auxiliary correction errors raised in the		to surface type. All common flags are summarised in the list below.
followed by a table highlighting any additional issues which may arise fro	m this check.	
> ECMWE Motoo Corrections: Currently the following corrections are not com		

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20221027T001559_20221027T010538_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T010538_20221027T015514_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T015514_20221027T024453_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T024453_20221027T033428_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T033428_20221027T042407_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T042407_20221027T051343_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T051343_20221027T060322_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T060322_20221027T065258_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T065258_20221027T074237_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20221027T074237_20221027T083212_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T083212_20221027T092151_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T092151_20221027T101127_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20221027T101127_20221027T110106_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T110106_20221027T115042_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T115042_20221027T124021_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T124021_20221027T132956_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20221027T132956_20221027T141935_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T141935_20221027T150911_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20221027T150911_20221027T155850_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T155850_20221027T164826_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220221027T173805_20221027T182740_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T182740_20221027T191719_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T191719_20221027T200655_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T200655_20221027T205634_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T205634_20221027T214610_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220221027T214610_20221027T223549_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_220221027T223549_20221027T232524_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20221027T232524_20221028T001503_C002	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

6.5 P2P Measurement Confidence Data Check

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

 Number of products with errors:
 1

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220221027T092151_20221027T101127_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

P2P Quality Flags (20 Hz)	
CryoSat P2P data includes Quality Flags for	each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.
Since the P2P Quality Flags are copied di below.	rectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected. The number of P2P products affected is given
Number of products with errors:	28
P2P Quality Flags (20 Hz PLRM)	
Since the P2P Quality Flags are copied di below.	rectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected. The number of P2P products affected is given
Number of products with errors:	29
P2P Quality Flags (1 Hz & 1 Hz P	LRM)
Since the P2P Quality Flags are copied di below.	rectly from the L2 Quality Flags, please see Section 5.6 for the number of L2 products affected. The number of P2P products affected is given
Number of products with errors:	29
6.8 P2P Ocean Retracking Qu	ality Check
P2P Retracking Flags (20 Hz)	
Cryosat P2P data includes an ocean retracki	ing quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.
> Ocean Retracking Quality Flag (PLRM):	This flag is currently set for products IOPR and IOPN products over sea ice, but this is to be expected.
Number of products with errors:	27
P2P Retracking Flags PLRM	
CryoSat L2 data includes an ocean retrackin	g quality flag for each 20 Hz PLRM measurement record. The bit value of this flag indicates any problems when set.
> Ocean Retracking Quality Flag (PLRM):	This flag is currently set for products IOPR and IOPN products over sea ice, but this is to be expected.
Number of products with errors:	29