

QA4EO Daily Report for IOP data:

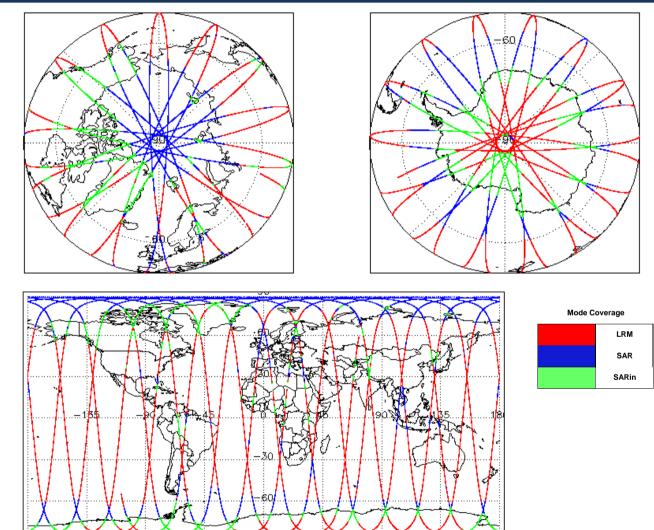
<u>11/08/2021</u>

eport Production:	16-Aug-2021	Check	L1 & L2	P2P
report Froduction.	10-Aug-2021	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Useu:	CiyoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Intermediate Ocean Products (IOP)	Product Format Check	Nominal	Nominal
Data Useu.	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.1, 7.2	See Section 7.1, 7.2

1. Overview

	Mission / Instrument News					
	10-Aug-2021					
11-Aug-2021 12-Aug-2021		None				
		Nothing planned				





3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 0

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 inconsist	tencies and/or errors raised by the ground-segment processing chain.		
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B chains. A modification is required in the next release.	IOPR and IOPN products because the	e I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn		
lumber 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 cheo	ck the validity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
4.4.1.4.D. Auxilianty Connection France Check				
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 ar	ny problems when set.		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurem	ent record. The bit value of this flag ir	ndicates any problems when set.		
Attitude Correction Missing: This flag is currently set in error for IOPR produc	ts due to a configuration issue. This is	s being investigated and will be updated in the next SW update.		
Number of products with errors: 1				
Product	Test Failed	Description		
CS_OFFL_SIR_IOPM1B_20210811T075611_20210811T080223_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records		
		100010		
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 an	ly problems when set.		
Loss of Echo Flag: This flag is currently set for products over land, but this is t	o be expected.			
Number of products with errors: 23				
Product	Test Failed	Description		
CS_OFFL_SIR_IOPM1B_20210811T072913_20210811T074047_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPM1B_20210811T074232_20210811T075333_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPM1B_20210811T211152_20210811T211405_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T032326_20210811T032440_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T053913_20210811T054425_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T063018_20210811T063408_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T081230_20210811T081515_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T084852_20210811T085500_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T094833_20210811T094931_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T121931_20210811T122210_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T130836_20210811T131035_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T131039_20210811T131617_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T170734_20210811T171152_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T175705_20210811T175736_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T175739_20210811T175942_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T180003_20210811T180126_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T193403_20210811T193818_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T203820_20210811T203946_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210811T211405_20210811T211934_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20210811T031104_20210811T031241_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20210811T034918_20210811T035331_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20210811T045525_20210811T050200_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20210811T084314_20210811T084715_C001	Loss of Echo	The tracking echo is missing for one or more records		
5. 10	P Level 2 Data Qualit	ty Check		
5.1 L2 Product Format Check				
	the second s	de file (LIDD) and a bigger grad at (file (LDD))		
Each product, retrieved and unpacked from the science server, is checked to e	risure it consists of both an XML head	אינויה) and a binary product file (.שנר).		
Number of products with errors: 0				
5.2 L2 Product Header Analysis				

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

5.3 L2 Auxiliary Data File Usage Check

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

5.4 L2 Auxiliary Correction Error Check

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

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

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

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

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210811T111910_20210811T111952_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPM_2_20210811T205930_20210811T211028_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_20210811T012040_20210811T012501_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20210811T021400_20210811T021525_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210811T022320_20210811T022433_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210811T030231_20210811T030425_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210811T035332_20210811T035457_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210811T040011_20210811T040313_C001	Mean Sea 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_20210811T053334_20210811T053639_C001	Mean Sea 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_20210811T053913_20210811T054425_C001	Mean Sea 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_20210811T063018_20210811T063408_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_20210811T071352_20210811T071626_C001	Mean Sea 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_20210811T080904_20210811T081020_C001	Mean Sea 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_20210811T081230_20210811T081515_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20210811T084852_20210811T085500_C001	Mean Sea 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_20210811T094833_20210811T094931_C001	Mean Sea 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_20210811T103113_20210811T103254_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210811T112757_20210811T113242_C001	Mean Sea 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_20210811T121931_20210811T122210_C001	Mean Sea 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_20210811T130836_20210811T131035_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210811T135035_20210811T135424_C001	Mean Sea Surrace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES). Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20210811T143153_20210811T143220_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210811T153016_20210811T153330_C001	Mean Sea 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_20210811T153843_20210811T154000_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20210811T171750_20210811T171904_C001	Mean Sea 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_20210811T175739_20210811T175942_C001	Mean Sea Surrace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES). Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20210811T180003_20210811T180126_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

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CS_OFFL_SIR_IOPN_2_20210811T193403_20210811T193818_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20210811T193930_20210811T194035_C001	Mean Sea 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_20210811T203327_20210811T203559_C001	Mean Sea 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_20210811T211405_20210811T211934_C001	Mean Sea 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_20210811T221237_20210811T221610_C001	Mean Sea 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_20210811T225405_20210811T225757_C001	Mean Sea 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_20210811T235347_20210811T235529_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20210811T012501_20210811T013244_C001	Mean Sea 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_20210811T030425_20210811T031104_C001	Mean Sea 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_20210811T031104_20210811T031241_C001	Mean Sea 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_20210811T044245_20210811T045005_C001	Mean Sea 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_20210811T045005_20210811T045201_C001	Mean Sea 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_20210811T062427_20210811T062901_C001	Mean Sea 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_20210811T062901_20210811T063018_C001	Mean Sea 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_20210811T074048_20210811T074210_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20210811T080223_20210811T080736_C001	Mean Sea 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_20210811T080736_20210811T080904_C001	Mean Sea 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_20210811T094413_20210811T094833_C001	Mean Sea 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_20210811T111953_20210811T111958_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20210811T111958_20210811T112332_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20210811T112349_20210811T112757_C001	Mean Sea 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_20210811T130215_20210811T130836_C001	Mean Sea 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_20210811T143047_20210811T143153_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20210811T144154_20210811T144942_C001	Mean Sea 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_20210811T162142_20210811T162917_C001	Mean Sea 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_20210811T180127_20210811T180258_C001	Mean Sea 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_20210811T180258_20210811T180912_C001	Mean Sea 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_20210811T194035_20210811T194558_C001	Mean Sea 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_20210811T203559_20210811T203820_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_20210811T211935_20210811T212124_C001	Mean Sea 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_20210811T212124_20210811T212643_C001	Mean Sea 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_20210811T214012_20210811T214828_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20210811T225757_20210811T230304_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check				
CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.				
Number of products with errors: 1				
Product	Test Failed	Description		
CS_OFFL_SIR_IOPM_2_20210811T075611_20210811T080223_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records		
E.C.I. & Macaurament Quality Flag Cheek				
5.6 L2 Measurement Quality Flag Check				
L2 Quality Flags (20Hz)				
CryoSat L2 data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurements of the second secon	surement record. The bit value of this flag in	dicates any problems when set.		
Currently, there are several common flags raised in the Level 2 products, which	ch are summarised below. The table prov	vides the full list of products flagged.		
> Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags: These flag	ags are currently set for some records over	ocean.		
> OCOG Altimeter Range and Backscatter Quality Flags: These flags are current	tly set for some records over continental ice	Э.		
Number of products with errors: 99				
Product	Test Failed	Description		
	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags		
CS_OFFL_SIR_IOPM_2_20210811T000822_20210811T003203_C001		and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.		
CS_OFFL_SIR_IOPM_2_20210811T003523_20210811T004043_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_20210811T004049_20210811T004415_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_20210811T004803_20210811T012040_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_20210811T013356_20210811T013527_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_20210811T014504_20210811T020332_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_20210811T020715_20210811T021127_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_20210811T021525_20210811T022320_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_20210811T022906_20210811T030037_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_20210811T031242_20210811T031458_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_20210811T031917_20210811T032211_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_20210811T033507_20210811T033520_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_20210811T034121_20210811T034918_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_20210811T035458_20210811T040011_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_20210811T040716_20210811T042824_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_20210811T043109_20210811T044245_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_20210811T045202_20210811T045524_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_20210811T051113_20210811T051719_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_20210811T051906_20210811T052915_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_20210811T053639_20210811T053913_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_20210811T054647_20210811T061627_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_20210811T061654_20210811T062255_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_20210811T063433_20210811T070649_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_20210811T071626_20210811T071821_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_20210811T072020_20210811T072326_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_20210811T072551_20210811T072900_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_20210811T072913_20210811T074047_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_20210811T074232_20210811T075333_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_20210811T081021_20210811T081230_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_20210811T081515_20210811T083129_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_20210811T085500_20210811T085742_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_20210811T085758_20210811T090227_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_20210811T090516_20210811T091914_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_20210811T092054_20210811T092337_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_20210811T095406_20210811T095623_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_20210811T100904_20210811T102901_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_20210811T103254_20210811T104136_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_20210811T104454_20210811T110855_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_20210811T114056_20210811T120832_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_20210811T121510_20210811T121931_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_20210811T122422_20210811T125032_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_20210811T125555_20210811T130215_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_20210811T131618_20210811T134623_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_20210811T135424_20210811T140011_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_20210811T140330_20210811T140755_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_20210811T141136_20210811T141838_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_20210811T143919_20210811T1441111_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_20210811T145304_20210811T152615_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_20210811T153330_20210811T153843_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_20210811T154424_20210811T155950_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_20210811T160603_20210811T160902_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_20210811T161602_20210811T161709_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_20210811T161817_20210811T162008_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_20210811T163019_20210811T164140_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_20210811T164426_20210811T170520_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_20210811T171153_20210811T171331_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_20210811T171338_20210811T171749_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_20210811T172249_20210811T174201_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_20210811T174240_20210811T174715_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_20210811T174836_20210811T175514_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_20210811T175514_20210811T175604_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_20210811T180912_20210811T181708_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_20210811T181723_20210811T184438_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_20210811T184707_20210811T185231_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_20210811T190336_20210811T191604_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_20210811T191706_20210811T193403_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_20210811T194755_20210811T195041_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_20210811T195738_20210811T200703_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_20210811T200907_20210811T202342_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_20210811T202635_20210811T203129_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_20210811T203136_20210811T203143_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_20210811T204103_20210811T205103_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_20210811T205930_20210811T211028_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_20210811T212643_20210811T213053_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_20210811T214828_20210811T220230_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_20210811T220605_20210811T221044_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_20210811T221122_20210811T221237_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_20210811T221832_20210811T224405_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_20210811T230528_20210811T231228_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_20210811T231746_20210811T233819_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_20210811T233910_20210811T234126_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_20210811T235715_20210812T002440_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_20210811T000419_20210811T000550_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210811T013527_20210811T013541_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_20210811T131039_20210811T131617_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210811T143839_20210811T143919_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_20210811T155950_20210811T160125_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210811T175739_20210811T175942_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210811T185511_20210811T185656_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_20210811T231251_20210811T231427_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210811T231525_20210811T231746_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_20210811T042824_20210811T043109_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_20210811T062255_20210811T062411_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_20210811T162142_20210811T162917_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_20210811T180127_20210811T180258_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_20210811T181708_20210811T181723_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_20210811T202342_20210811T202452_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_20210811T203946_20210811T204103_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.

OCOG Altimeter Range Quality, OCOG Backscatter Quality

The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

Number of products with errors:

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	Tool Falled	Description
Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20210811T000419_20210811T000550_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_20210811T000729_20210811T000821_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_20210811T004415_20210811T004538_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_20210811T012040_20210811T012501_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_20210811T013244_20210811T013320_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_20210811T021400_20210811T021525_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_20210811T022320_20210811T022433_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_20210811T030037_20210811T030138_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_20210811T030231_20210811T030425_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_20210811T031642_20210811T031805_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_20210811T032326_20210811T032440_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_20210811T033039_20210811T033224_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_20210811T033521_20210811T033558_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_20210811T035332_20210811T035457_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_20210811T040011_20210811T040313_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_20210811T053913_20210811T054425_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_20210811T063018_20210811T063408_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_20210811T071822_20210811T072020_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_20210811T075333_20210811T075611_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_20210811T081230_20210811T081515_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_20210811T083342_20210811T083420_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_20210811T084852_20210811T085500_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_SR_OPN_2_20210911T094351_20210911T094413_C001 Decam Alimeter Range, SNH, SWH and Beckscatter Qualty Plags. In the OCOC Alimeter Range and Backscatter Qualty Plags. In	for one or ty Flags ave been for one or ty Flags ave been for one or for one or for one or for one or ty Flags
CS_OFF_SIR_JOPK_2.202108117104567_20210811710620_C001 COOD Backstatter Guilty more records. CS_OFFL_SIR_JOPK_2.202108117104567_20210811710620_C001 Cool Allineter Range, SHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, BSHA, SWH and Backstatter Guilty CS_OFFL_SIR_JOPK_2.202108117104156_202108117106220_C001 COOD Allineter Range, SHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, BSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, Guilty PLRM, The OCOG Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, Guilty PLRM, The OCOG Range and Backstatter Guilty FLRM, The OCOG Range and Backstatter Guilty FLRM, The OCOG Range and Backstatter Guilty FLRM, OCC Allineter Range, Guilty PLRM, The OCOG Range and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH and Backstatter Guilty FLRM, OCC Allineter Range, SSHA, SWH	ty Flags ave been for one or ty Flags ave been for one or for one or for one or ty Flags
GS_OFFL_SIR_JOPN_2_20210811T100457_20210811T100620_0001 and Backscatter Quality PLRM_OCO_ Attemet Range and Backscatter Quality PLRM_ COG Backscatter Quality PLRM_ The OCOG Range and Backscatter Quality Flags have been set more records. GS_OFFL_SIR_JOPN_2_20210811T100113_20210811T100254_C001 OCOG Attemeter Range_SIMA_SIVH and Backscatter Quality PLRM_ COG Backscatter Qualit	ty Flags for one or for one or for one or for one or for one or ty Flags
CS_OFFL_SIR_IOPN_2_20210811T104333_20210811T104328_C001 OCCG Backscater Quality more records. CS_OFFL_SIR_IOPN_2_20210811T104336_20210811T104328_C001 OCCG Backscater Quality The Ocean Altimeter Range and Backscater Quality and the OCCG Milmeter Range and Backscater Quality and the OCCG Range and Backscater Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T11122_20210811T111311_C001 OCCG Altimeter Range Quality PLRM, CCG Backscater Quality The OCCG Range and Backscater Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T11122_20210811T111331_C001 OCCG Altimeter Range Quality PLRM, CCG Backscater Quality The OCCG Range and Backscater Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T1112757_20210811T111309_C001 OCCG Altimeter Range Quality PLRM, CCG Backscater Quality The OCCG Range and Backscater Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T112757_20210811T113242_C001 Altimeter Range Quality PLRM, CCG Altimeter Range and Backscater Quality Flags have been set more records. The OCCG Range and Backscater Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T113333_20210811T113655_C001 OCCG Altimeter Range Quality PLRM, CCG Altimeter Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T114056_C001 OCCG Altimeter Range SNA, SWH and Backscatter Quality Flags hav	ty Flags ave been for one or for one or for one or ty Flags
CS_OFFL_SIR_JOPN_2_20210811T104136_20210811T104323_C001 and Backscatter Quality PLRM. OCCOG Inte Occog Animeter Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_JOPN_2_20210811T110855_20210811T11127_C001 OCCOG Alimeter Range Quality PLRM. OCCOG Backscatter Quality Flags have been set more records. CS_OFFL_SIR_JOPN_2_20210811T111212_20210811T11127_C001 OCCOG Alimeter Range Quality PLRM. OCCOG Backscatter Quality Flags have been set more records. CS_OFFL_SIR_JOPN_2_20210811T111212_20210811T111331_C001 OCCOG Alimeter Range Quality PLRM. OCCOG Backscatter Quality The OCCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_JOPN_2_20210811T111275_20210811T11130_C001 OCCOG Alimeter Range. SSHA, SWH and Backscatter Quality Flags have been set more records. The OCCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_JOPN_2_20210811T112757_20210811T113242_C001 Attimeter Range. SSHA, SWH and Backscatter Quality Flags have been set more records. CGS_OFFL_SIR_JOPN_2_20210811T11333_20210811T113242_C001 Attimeter Range Quality PLRM, OCCG Range and Backscatter Quality Flags have been set more records. CGS_OFFL_SIR_JOPN_2_20210811T11333_20210811T11365_C001 OCCG Alimeter Range. SSHA, SWH and Backscatter Quality Flags have been set more records. CGS_OFFL_SIR_JOPN_2_20210811T121051_20210811T12220_C001 Attimeter Range. SSHA, SWH and Backscatter Quality Flags have been set more records. CGS_OFFL_SIR_JOPN_2_20210811T121051_20210811T12220_C001	for one or for one or for one or for one or ty Flags
CS_OFFL_SIR_IOPN_2_20210811T111085_20210811T11122_2001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_20210811T111212_20210811T111331_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T1112757_20210811T1113042_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T112757_20210811T113242_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality records. CS_OFFL_SIR_IOPN_2_20210811T112342_C001 OCOG Altimeter Range, SHA, SWH and Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T11333_20210811T113455_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T112051_20210811T1121223_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T121051_20210811T121223_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set more records. <td>for one or for one or ty Flags</td>	for one or for one or ty Flags
CS_OFFL_SIR_IOPN_2_20210811111212_20210811111331_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_202108111111747_20210811T111909_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality CS_OFFL_SIR_IOPN_2_202108111112757_20210811T113242_C001 Ocog Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPN_2_20210811T112757_20210811T113242_C001 Ocog Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPN_2_20210811T113333_20210811T113455_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T114014_20210811T114056_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T1121051_20210811T1121223_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_JOPN_2_20210811T121931_20210811T122210_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_JOPN_2_20210811T121931_20210811T122210_C001 Ocean Altimeter Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_JOPN_2_20210811T121035_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set more records. </td <td>for one or ty Flags</td>	for one or ty Flags
CS_OFFL_SIR_IOPN_2_20210811T112757_20210811T113242_C001 OCOG Backscatter Quality Incerecords. CS_OFFL_SIR_IOPN_2_20210811T112757_20210811T113242_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T113333_20210811T113455_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T114014_20210811T114056_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T1121051_20210811T12223_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T121051_20210811T12223_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20210811T121051_20210811T12220_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20210811T121031_20210811T12220_C001 Altimeter Range Quality PLRM, OCCG Altimeter Range and Backscat	ty Flags
CS_OFFL_SIR_IOPN_2_20210811T112757_20210811T113242_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T113333_20210811T113455_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T114014_20210811T114056_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T121051_20210811T121223_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20210811T121931_20210811T122210_C001 Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T131035_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T131039_20210811T131617_C001 OCOG Altimeter Ra	
CS_OFFL_SIR_IOPN_2_20210811T113033_20210811T113455_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_20210811T114014_20210811T114056_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T121051_20210811T121223_C001 Ocean Altimeter Range, SSHA, SWH 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_OFFL_SIR_IOPN_2_20210811T121931_20210811T122210_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20210811T121931_20210811T122210_C001 Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20210811T13035_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T131039_20210811T131035_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T131039_20210811T131617_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set more records.	ive been
CS_OFFL_SIR_IOPN_2_202108111114014_202108111114056_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_20210811T121051_20210811T121223_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_IOPN_2_20210811T121931_20210811T122210_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T120210811T122210_C001 OcoG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T130836_20210811T131035_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T131039_20210811T131617_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records.	for one or
CS_OFFL_SIR_IOPN_2_20210811T121051_20210811T121223_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The OCean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPN_2_20210811T121931_20210811T122210_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The OCean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_IOPN_2_20210811T130836_20210811T131035_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T131039_20210811T131617_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records.	for one or
CS_OFFL_SIR_IOPN_2_20210811T121931_20210811T122210_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The OCGan Attimeter Range, SSRA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20210811T130836_20210811T131035_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCGa Range and Backscatter Quality Flags have been set more records. CS_OFFL_SIR_IOPN_2_20210811T131039_20210811T131617_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records.	
CS_OFFL_SIR_IOPN_2_20210811T130836_20210811T131035_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_20210811T131039_20210811T131617_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set more records.	
OCOG Backscatter Quality more records.	for one or
	for one or
CS_OFFL_SIR_IOPN_2_20210811T141838_20210811T142033_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COG Backscatter QUA	for one or
CS_OFFL_SIR_IOPN_2_20210811T143616_20210811T143739_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set more records.	for one or
CS_OFFL_SIR_IOPN_2_20210811T153016_20210811T153330_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter QUALITA PLRM, OCOG Backscatter QUALITA PLRM, OCOG Backscatter QUALITA PLRM, OC	for one or
CS_OFFL_SIR_IOPN_2_20210811T155950_20210811T160125_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter QUALITA PLRM, OCOG Backscatter QUALITA PLRM, OCOG Backscatter QUALITA PLRM, OC	for one or
CS_OFFL_SIR_IOPN_2_20210811T170734_20210811T171152_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been been been been been been been be	
CS_OFFL_SIR_IOPN_2_20210811T171750_20210811T171904_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set more records.	for one or
CS_OFFL_SIR_IOPN_2_20210811T175739_20210811T175942_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter QUALITY PLRM, OC	for one or
CS_OFFL_SIR_IOPN_2_20210811T185511_20210811T185656_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been been been been been been been be	t. Flans
CS_OFFL_SIR_IOPN_2_20210811T193403_20210811T193818_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set more records.	
CS_OFFL_SIR_IOPN_2_20210811T194558_20210811T194631_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COG Backscatter QUA	ave been
CS_OFFL_SIR_IOPN_2_20210811T195348_20210811T195544_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCG Backscatter Quality COCG COG Backscatter Quality COCG COG COCG COCG COCG COCG COCG COCG	for one or

CS_OFFL_SIR_IOPN_2_20210811T202452_20210811T202634_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_20210811T203820_20210811T203946_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_20210811T205251_20210811T205732_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_20210811T211028_20210811T211152_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_20210811T211405_20210811T211934_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_20210811T220351_20210811T220605_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_20210811T221237_20210811T221610_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_20210811T225149_20210811T225313_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_20210811T225405_20210811T225757_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_20210811T235347_20210811T235529_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_20210811T003203_20210811T003356_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_20210811T012501_20210811T013244_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_20210811T021128_20210811T021400_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_20210811T022433_20210811T022906_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_20210811T030138_20210811T030231_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_20210811T031612_20210811T031642_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_20210811T033831_20210811T034121_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_20210811T034918_20210811T035331_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_20210811T040313_20210811T040716_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_20210811T044245_20210811T045005_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_20210811T045525_20210811T050200_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_20210811T050349_20210811T050404_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_20210811T052915_20210811T053334_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_20210811T061628_20210811T061654_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_20210811T062255_20210811T062411_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_20210811T070650_20210811T071352_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.

GS_OFFL_SIR_IOPR_2_20210811T083130_20210811T083342_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for once records. GS_OFFL_SIR_JOPR_2_20210811T103452_20210811T103452_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for once records. GS_OFFL_SIR_JOPR_2_20210811T103452_20210811T103452_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for once records. GS_OFFL_SIR_JOPR_2_20210811T103452_20210811T103452_C001 OCog Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. GS_OFFL_SIR_JOPR_2_20210811T103452_C001 OCog Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_202108111092307_202108111092804_C001 OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, CS_OFFL_SIR_IOPR_2_202108111094224_202108111094351_C001 The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_IOPR_2_202108111094224_202108111094351_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, CCOG Backscatter Quality PLRM, CCS_OFFL_SIR_IOPR_2_20210811T102302_20210811T104454_C001 The Ocoan Altimeter Range, SHA, SWH and Backscatter Quality Flags have I set for one or more records. CS_OFFL_SIR_IOPR_2_20210811T104323_20210811T12051_C001 Coean Altimeter Range, SHA, SWH and Backscatter Quality Flags have I set for one or more records. CS_OFFL_SIR_IOPR_2_20210811T12032_20210811T12051_C001 Coean Altimeter Range, SHA, SWH and Backscatter Quality Flags have I set for one or more records. CS_OFFL_SIR_IOPR_2_20210811T12032_20210811T122422_C001 Coean Altimeter Range, SHA, SWH and Backscatter Quality Flags have I set for one or more records. CS_OFFL_SIR_IOPR_2_20210811T124221_201811T124222_C001 Coean Altimeter Range, SHA,
CS_OFFL_SIR_IOPR_2_202108111092809_2021081111092804_0001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_2021081111094224_2021081111094351_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, ococ Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range, SSHA, SWH and Backsc
CS_OFFL_SIR_IOPR_2_20210811100336_202108111100457_C001 OCOG Backscatter Quality Ime COCOG Range and Backscatter Quality Flags have been set for comore records. CS_OFFL_SIR_IOPR_2_202108111100336_202108111100457_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for comore records. CS_OFFL_SIR_IOPR_2_202108111102302_202108111100457_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for comore records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for comore records. CS_OFFL_SIR_IOPR_2_202108111104323_202108111104454_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags have been and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter Range and Backscatter Quality Flags have been and to COG Altimeter
CS_OFFL_SIR_IOPR_2_20210811T100336_00210811T100437_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_20210811T102902_20210811T103113_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPR_2_20210811T104323_20210811T104454_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPR_2_20210811T104323_20210811T104454_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPR_2_20210811T120832_20210811T12051_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPR_2_20210811T122211_20210811T122422_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPR_2_20210811T122211_20210811T122422_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20210811T122211_20210811T122422_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPR_2_20210811T135034_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPR_2_20210811T142706_20210811T142951_C001 Ocean Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPR_2_20210811T142706_20210811T142951_C001 Oce
CS_OFFL_SIR_IOPR_2_20210811T102902_20210811T103113_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20210811T104323_20210811T104454_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I set for one or more records. CS_OFFL_SIR_IOPR_2_20210811T120832_20210811T12051_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, and Backscatter Quality PLRM, OCOG Altimeter Range, and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality P
CS_OFFL_SIR_IOPR_2_20210811T104323_20210811T104454_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have I PLRM CS_OFFL_SIR_IOPR_2_20210811T120832_20210811T121051_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have I PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Range and Backscatter Quality Flags have I and the OCOG Range and Backscatter Quality Flags have I and the OCOG Range and Backscatter Quality Flags have I and the OCOG Range and Backscatter Quality Flags have I and the OCOG Range and Backscatt
CS_OFFL_SIR_IOPR_2_20210811T120832_20210811T121051_C001 and Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality PLRM, OCOG Atimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I set for one or more records. CS_OFFL_SIR_IOPR_2_20210811T122211_20210811T122422_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Altimeter Range and Backscatter Quality Flags have I and the OCOG Range and Backscatter Quality Flags hav
CS_OFFL_SIR_IOPR_2_20210811T122211_20210811T122422_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have Is and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have Is to ro ne or more records. CS_OFFL_SIR_IOPR_2_20210811T134623_20210811T135034_C001 Ocean Altimeter Range, SSHA, SWH 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_OFFL_SIR_IOPR_2_20210811T142706_20210811T142951_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for omore records.
CS_OFFL_SIR_IOPR_2_20210811T134623_20210811T135034_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ind Ocean Altimeter Range, SSRA, SWR and Backscatter Quality Flags have Is and the OCOG Altimeter Range and Backscatter Quality set for one or more records. CS_OFFL_SIR_IOPR_2_20210811T142706_20210811T142951_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for o more records.
OCOG Backscatter Quality more records.
CS_OFFL_SIR_IOPR_2_20210811T143540_20210811T143616_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have I bet for one or more records.
CS_OFFL_SIR_IOPR_2_20210811T143739_20210811T143808_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set for a more records.
CS_OFFL_SIR_IOPR_2_20210811T152615_20210811T153016_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM
CS_OFFL_SIR_IOPR_2_20210811T154000_20210811T154424_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. The Ocean Altimeter Range and Backscatter Quality Flags have to be the or one or more records.
CS_OFFL_SIR_IOPR_2_20210811T161710_20210811T161817_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. The Ocean Altimeter Range and Backscatter Quality Flags have I pLRM
CS_OFFL_SIR_IOPR_2_20210811T171904_20210811T172248_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. The Ocean Altimeter Range and Backscatter Quality Flags have I bet for one or more records.
CS_OFFL_SIR_IOPR_2_20210811T180258_20210811T180912_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set for a more records.
CS_OFFL_SIR_IOPR_2_20210811T185656_20210811T190336_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM
CS_OFFL_SIR_IOPR_2_20210811T191604_20210811T191706_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set for a more records.
CS_OFFL_SIR_IOPR_2_20210811T194632_20210811T194755_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter QUALITA PLRM, OCOG Backscatter QUALITA PLRM, OCOG Backscatter QUALITA PLRM, OC
CS_OFFL_SIR_IOPR_2_20210811T202342_20210811T202452_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality FI and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM. The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality FI and the OCOG Attimeter Range and Backscatter Quality PLRM.
CS_OFFL_SIR_IOPR_2_20210811T203559_20210811T203820_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, or one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Fl and the OCOG Altimeter Range and Backscatter Qual
CS_OFFL_SIR_IOPR_2_20210811T213053_20210811T213151_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for on more records.
CS_OFFL_SIR_IOPR_2_20210811T214012_20210811T214828_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one records.
CS_OFFL_SIR_IOPR_2_20210811T221044_20210811T221048_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OC

CS_OFFL_SIR_IOPR_2_20210811T224405_20210811T224535_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_20210811T224605_20210811T224620_C001	OCOG Backscatter Quality more records.							
CS_OFFL_SIR_IOPR_2_20210811T230342_20210811T230528_C001	PLRM Set for one or more records.							
CS_OFFL_SIR_IOPR_2_20210811T234126_20210811T234349_C001	PLRM Set for one or more records.							
CS_OFFL_SIR_IOPR_2_20210811T235530_20210811T235715_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 & 1Hz PLRM)	1							
Currently, there are several common flags raised in the Level 2 products, whi	ch are summarised below.							
> 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for produ								
Number of products with errors: 208								
5.8 L2 Ocean Retracking Quality Check								
L2 Retracking Flags (20Hz)								
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurer	nent record. The bit value of this flag indicat	es any problems when set.						
Ocean Retracking Quality Flag: This flag is currently set for products over land an	nd sea ice, but this is to be expected. The nu	umber of products with this error flag set is given below.						
Number of products with errors: 63								
L2 Retracking Flags (20Hz, PLRM)								
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM me	easurement record. The bit value of this flag	indicates any problems when set.						
Ocean Retracking Quality Flag (PLRM): This flag is currently set for products IOP	R and IOPN products over sea ice, but this	is to be expected.						
Number of products with errors: 149								
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 ensur	re it consists of both an XML header file (.HI	DR) and a NetCDF product file (.nc).						
Number of products with errors: 0								
6.2 P2P Product Header Analysis								
For all products, a series of pre-defined checks are performed on the MPH and SPI								
Number of products with errors: 0	n in order to identify any inconsistencies and	alor enors raised 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-dete	ermined baseline and also to check the valio	lity of Auxiliary Data Files is correct.						
Number of products with errors: 0								
6.4. P2P Auviliant Correction Error Check								
6.4 P2P Auxiliary Correction Error Check								
For all products, the auxiliary corrections within the Geophysical Group are checked	for the default error value (32767).							
Currently, there are some common auxiliary correction errors raised in the Le followed by a table highlighting any additional issues which may arise from the		o surface type. All common flags are summarised in the list below,						
> ECMWF Meteo Corrections: Currently the following corrections are not compute and the U-Wind and V-Wind components of the ECMWF model wind vector. This is the table below.								
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for proc	ducts over sea ice, but this is to be expected	I.						
> Mean Sea Surface: The error value is currently set for products over land and se								
> Mean Dynamic Topography: The error value is currently set for products over la								
> Altimetric Wind Speed Error: The error value is currently set for products over la	•							
Number of products with errors: 29								
Product	Test Failed	Description						
CS_OFFL_SIR_IOP_2_20210811T004056_20210811T013035_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_20210811T013035_20210811T022011_C001	Mean Sea 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_20210811T022011_20210811T030950_C001	Mean Sea 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_20210811T030950_20210811T035925_C001	Mean Sea 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__20210811T044904_20210811T053840_C001

Mean Sea 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	
CS_OFFL_SIR_IOP_2_20210811T053840_20210811T062819_C001	Mean Sea 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_20210811T062819_20210811T071755_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_20210811T071755_20210811T080733_C001	Mean Sea 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_20210811T080733_20210811T085709_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_20210811T085709_20210811T094648_C001	Mean Sea 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_20210811T094648_20210811T103624_C001	Mean Sea 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_20210811T103624_20210811T112603_C001	Mean Sea 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_20210811T112603_20210811T121539_C001	Mean Sea 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_20210811T121539_20210811T130518_C001	Mean Sea 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_20210811T130518_20210811T135453_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES). Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_220210811T135453_20210811T144432_C001	Mean Sea 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_20210811T144432_20210811T153408_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_220210811T153408_20210811T162347_C001	Mean Sea 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_20210811T162347_20210811T171323_C001	Mean Sea 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_220210811T171323_20210811T180302_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES). Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_220210811T180302_20210811T185237_C001	Mean Sea 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_220210811T185237_20210811T194216_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_220210811T194216_20210811T203152_C001	Mean Sea 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_20210811T203152_20210811T212131_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_220210811T212131_20210811T221107_C001	Mean Sea 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_220210811T221107_20210811T230046_C001	Mean Sea 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_220210811T230046_20210811T235021_C001	Mean Sea 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_20210811T235021_20210812T004000_C001	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.

1

30

29

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20210811T071755_20210811T080733_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors:

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

	copied directly from the L2 Qua	ality Flags, please see Section 5.6	for the full list of products af	fected.	
mber of products with errors:	: 30				
8 P2P Ocean Retracki	ing Quality Check				
2P Retracking Flags (20) vosat P2P data includes an ocea) for each 20-Hz measurement reco	rd. The bit value of this flag indi	cates any problems when set.	
		or products IOPR and IOPN produc	-		
umber of products with errors:	29				
2P Retracking Flags PLF	RM				
ryoSat L2 data includes an ocear	n retracking quality flag for each 2	20-Hz PLRM measurement record.	The bit value of this flag indicate	s any problems when set.	
cean Retracking Quality Flag (PLRM): This flag is currently set f	or products IOPR and IOPN produc	ts over sea ice, but this is to be	expected.	
umber of products with errors:	: 30				
		7. IOP QCC Re	port Analysis		
arnings is provided below.				· · · · · · ·	
Product type SIR IOPM1B	No. Products 163	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR IOPR1B	113	0	0	0	0
SIR IOPN1B	108	0	0	0	0
SIR_IOPM_2	163	0	0	0	0
SIR_IOPR_2	113	0	0	0	0
SIR_IOPN_2	108	0	0	0	0
SIR_IOP_P2P	29	0	0	0	0
.1 QCC Errors					
. I QUU Errors					
umber of QCC reports with error	ors: 0				
umber of QCC reports with error	ors: 0				
	ors: 0				
umber of QCC reports with error					