

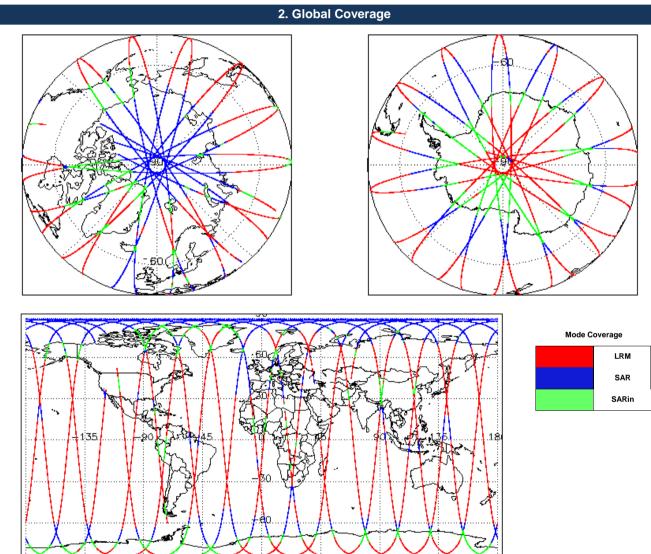
QA4EO Daily Report for IOP data:

14/08/2021

eport Production:	17-Aug-2021	Check	L1 & L2	P2P
epon Froduction.	17-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 Used:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Intermediate Ocean Products (IOP)	Product Format Check	Nominal	Nominal
L1B, L2 & P2P Science Data		Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.1, 7.2	See Section 7.1, 7.2

1. Overview

	Mission / Instrument News				
13-Aug-2021		None			
14-Aug-2021 15-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 inconsistencies and/or errors raised by the ground-segment processing chain.			
L1B Processing Quality HR: The 11b_proc_flag_hr flag is currently set all L1B IOPR and IOPN products because the 11b_processing_quality_hr field is not correctly configured in the OSAR and chains. A modification is required in the next release.			
Number of products with errors: 0			
4.3 L1B Auxilary Data File Usage Check			
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.			
Number of products with errors: 0			
4.4 L1B Auxiliary Correction Error Check			
CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.			
Number of products with errors: 0			
4.5 L1B Measurement Confidence Data Check			

OSARIn

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

Attitude Correction Missing: This flag is currently set in error for IOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update. Number of products with errors: 3

Product	Test Failed
CS_OFFL_SIR_IOPM1B_20210814T090227_20210814T091704_C001	Power scaling

CS_OFFL_SIR_IOPM1B_20210814T090227_20210814T091704_C001	Power scaling error	records
CS_OFFL_SIR_IOPM1B_20210814T200536_20210814T202131_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20210814T221231_20210814T221619_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

Description

an error in the scaling of the L1B waveform for one or more

4.6 L1B Waveform Group Data Check

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

Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

16

Number of	products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20210814T065457_20210814T070620_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210814T104014_20210814T104020_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210814T213049_20210814T214038_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210814T035909_20210814T040012_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210814T075640_20210814T075820_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210814T085558_20210814T085702_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210814T085742_20210814T085829_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210814T103512_20210814T104014_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210814T120815_20210814T120849_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210814T130756_20210814T130926_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210814T170612_20210814T170901_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210814T202131_20210814T202308_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210814T202502_20210814T202558_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210814T202705_20210814T202717_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210814T212825_20210814T213049_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210814T040926_20210814T041117_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

 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.

0

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.

52

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210814T022020_20210814T022430_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_20210814T104014_20210814T104020_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_IOPM_2_20210814T134420_20210814T134905_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_20210814T235347_20210814T235423_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_20210814T030749_20210814T031102_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_20210814T035909_20210814T040012_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_20210814T044035_20210814T044149_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_20210814T044648_20210814T045009_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_20210814T062125_20210814T062401_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_20210814T071640_20210814T071801_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_20210814T075843_20210814T080256_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_20210814T085558_20210814T085702_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_20210814T093856_20210814T094050_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_20210814T094911_20210814T095059_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_20210814T103512_20210814T104014_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_20210814T125954_20210814T130156_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_IOPN_2_20210814T143745_20210814T144105_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_20210814T144629_20210814T144746_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_20210814T153637_20210814T153957_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_20210814T161641_20210814T162001_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_20210814T175312_20210814T175511_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_20210814T180349_20210814T180521_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_20210814T194116_20210814T194322_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_20210814T202502_20210814T202558_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_20210814T202705_20210814T202717_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_20210814T211132_20210814T211319_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_20210814T212825_20210814T213049_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_20210814T220132_20210814T220547_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_20210814T230055_20210814T230300_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_20210814T003259_20210814T004142_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_20210814T021215_20210814T022020_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_20210814T022910_20210814T023056_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_20210814T035003_20210814T035742_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_20210814T035742_20210814T035908_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_20210814T052951_20210814T053641_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_20210814T053641_20210814T054018_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_20210814T070917_20210814T071529_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_20210814T071529_20210814T071640_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_20210814T084929_20210814T085102_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_20210814T085129_20210814T085326_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_20210814T085326_20210814T085558_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_20210814T102913_20210814T103511_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_20210814T104021_20210814T104053_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_20210814T121026_20210814T121533_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_20210814T133833_20210814T133924_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_20210814T134924_20210814T135736_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_20210814T152817_20210814T153637_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_20210814T170901_20210814T171651_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_20210814T184802_20210814T185346_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_20210814T202717_20210814T203410_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_20210814T220547_20210814T221108_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_20210814T234410_20210814T235347_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.

3

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210814T090227_20210814T091704_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20210814T200536_20210814T202131_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20210814T221231_20210814T221619_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

91

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

CS_OFFL_SIR_IOPM_2_20210814T005407_20210814T011900_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCCG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210814T012228_20210814T012719_C001 OCCG Altimeter Range Quality, OCCG Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T012725_20210814T013055_C001 OCCG Altimeter Range Quality, OCCG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T012725_20210814T0120256_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T0120202_02010814T022430_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_20210814T022020_20210814T022430_C001 Ocean Altimeter Range Quality, OCCG Backscatter Quality, OCCG Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T025403_20210814T025534_C001 Ocean Altimeter Range Quality, OCCG Backscatter Quality, OCCG Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T030224_20210814T033553_C001	a been set a been set been set lity Flags have been a been set lity Flags have been a been set been set been set
CS_OFFL_SIR_IOPM_2_202108141012226_202108141013055_C001 GCOG Altimeter Range Quality. OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T013053_20210814T020856_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags F ext for one or more records. CS_OFFL_SIR_IOPM_2_20210814T022020_20210814T022430_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags F ext for one or more records. CS_OFFL_SIR_IOPM_2_20210814T024326_20210814T025123_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags F ext for one or more records. CS_OFFL_SIR_IOPM_2_20210814T024326_20210814T025534_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags F ext for one or more records. CS_OFFL_SIR_IOPM_2_20210814T030749_C001 OCOG Altimeter Range Quality. OCOG Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags F ext for one or more records. CS_OFFL_SIR_IOPM_2_20210814T031454_20210814T0330749_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags F ext for one	e been set lity Flags nave been lity Flags nave been e been set lity Flags nave been lity Flags
CS_OFFL_SIR_IOPM_2_202108141012725_202108141013035_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_20210814T013539_20210814T020856_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210814T022020_20210814T022430_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210814T024326_20210814T022430_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210814T024326_20210814T025123_C001 OCCOG Altimeter Range Quality, OCCOG Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T025403_20210814T025534_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210814T030224_20210814T030749_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T033839_20210814T03503_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210814T033839_20210814T03503_C001	lity Flags nave been lity Flags nave been been set lity Flags nave been been set lity Flags
CS_OFFL_SIR_IOPM_2_20210814T013539_20210814T020856_C001 and Backscatter Quality, COCG Altimeter Range and the OCGG Altimeter Range and Backscatter Quality Flags I set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T02202_02010814T022430_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags I and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags I and the OCGG Altimeter Range and Backscatter Quality Flags I and the OCGG Altimeter Range and Backscatter Quality Flags I and Backscatter Quality Flags I and the OCGG Altimeter Range and Backscatter Quality Flags I and the OCGG Altimeter Range and Backscatter Quality Flags I ackscatter Quality Flags I and the OCGG Altimeter Range and Backscatter Quality Flags I ackscatter Quality Flags I and Backscatter Quality Flags I ackscatter Quality Flags I achore or more records.	lity Flags have been e been set lity Flags have been e been set lity Flags
CS_OFFL_SIR_IOPM_2_20210814T02202_0210814T022430_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags In Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags In Set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T024326_20210814T025123_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags In and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags In and the OCOG Altimeter Range and Backscatter Quality Flags In and the OCOG Altimeter Range, and the OCOG Altimeter Range, and the OCOG Altimeter Range and Backscatter Quality Flags In and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags In and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags In and the OCOG Altimeter Range and Backscatter Quality Flags In and the OCOG Altimeter Range and Backscatter Quality Flags In Set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T030224_20210814T030749_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags In and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags In and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags In and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags In and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags In and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags In and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags In and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags In Stars In OPM_2_20210814T033839_20210814T035003_C001 Ocean Altimeter Range, SSHA,	aive been e been set lity Flags have been e been set lity Flags
CS_OFFL_SIR_IOPM_2_202108141024326_202108141025123_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_20210814T025403_20210814T025534_C001 Ocean Atimeter Range, SSHA, SWH and Backscatter Quality and Backscatter Quality The OCean Atimeter Range, SSHA, SWH and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T030224_20210814T030749_C001 OCOG Altimeter Range, Quality, OCOG Altimeter Range and Backscatter Quality Flags have for one or more records. The OCean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T031454_20210814T033553_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have for one or more records. The OCean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T033839_20210814T033553_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T033839_20210814T033653_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T033839_20210814T035003_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T040012_20210814T040327_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have for one or more records. CS_OFFL_SIR_IOPM_2_20210814T040012_20210814T040327_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Qua	lity Flags have been been set lity Flags
CS_OFFL_SIR_IOPM_2_20210814T025403_20210814T025534_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and backscatter Quality <td>been set lity Flags</td>	been set lity Flags
CS_OFFL_SIR_IOPM_2_20210814T030224_20210814T030749_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_20210814T031454_20210814T033553_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags h Range and Backscatter Quality. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags h set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T033839_20210814T035003_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags h and Backscatter Quality. OCOG Altimeter Range and Backscatte	lity Flags
CS_OFFL_SIR_IOPM_2_20210814T031454_20210814T033553_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20210814T033839_20210814T035003_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags her for one or more records. CS_OFFL_SIR_IOPM_2_20210814T03020_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T040012_20210814T040327_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, SOCOG Altimeter Range, SSHA, SWH and Backscatter Quality, SOCOG Altimeter Range, SSHA, SWH and Backscatter Quality, SOCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags her to record s.	
CS_OFFL_SIR_IOPM_2_20210814T033839_20210814T035003_C001 and Backscatter Quality, OCOG Altimeter and the OCOG Altimeter set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T040012_20210814T0400327_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags here	
CS_OFFL_SIR_IOPM_2_20210814T040012_20210814T040327_C001 and Backscatter Quality, OCOG Altimeter and the OCOG Altimeter Range and Backscatter Quality Flags h	
CS_OFFL_SIR_IOPM_2_20210814T041955_20210814T043637_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, ADV and Backscatter Quality Flags here and Backscatter Quality and Backscatter Quality flags here and Backscatter Quality fla	
CS_OFFL_SIR_IOPM_2_20210814T044149_20210814T044648_C001 OCOG Altimeter Range Quality, OCOG Attimeter Range and Backscatter Quality Flags have for one or more records.	been set
CS_OFFL_SIR_IOPM_2_20210814T045356_20210814T052951_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags here and Backscatter Quality and Backscatter Quality and Backscatter Quality flags here and back	
CS_OFFL_SIR_IOPM_2_20210814T055134_20210814T061427_C001 Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags here for one or more records.	
CS_OFFL_SIR_IOPM_2_20210814T062401_20210814T062554_C001 OCOG Altimeter Range Quality, OCOG Atimeter Range and Backscatter Quality Flags have for one or more records.	been set
CS_OFFL_SIR_IOPM_2_20210814T063341_20210814T065015_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SCHA, SWH and Backscatter Quality Flags h and Backscatter Quality or nore records.	
CS_OFFL_SIR_IOPM_2_20210814T065457_20210814T070620_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags h and Backscatter Quality flags h set for one or more records.	
CS_OFFL_SIR_IOPM_2_20210814T071801_20210814T072051_C001 OCCG Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have for one or more records.	been set
CS_OFFL_SIR_IOPM_2_20210814T072219_20210814T073900_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags h set for one or more records.	
CS_OFFL_SIR_IOPM_2_20210814T074114_20210814T075531_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SCHA, SWH and Backscatter Quality Flags h and Backscatter Quality control of the ocean Altimeter Range and Backscatter Quality flags h set for one or more records.	
CS_OFFL_SIR_IOPM_2_20210814T080256_20210814T080507_C001 OCGG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records.	been set
	lity Flags

D2 D111_D11_D101_2_2_2_D2100_1100007_2001001010007_200100100007_000100007 D000_000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20210814T082920_20210814T083842_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CB, DPL, DPL, DPL, DPL, 20210914102217, 2010141102217, 2010 or & Banchauth, Daving Cold, Marcola, Daving Cold,	CS_OFFL_SIR_IOPM_2_20210814T090227_20210814T091704_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CSUDPT_CAPU_CAPUC_CAUGUSTITUSED_CADDIGNICODINALISECCADDIGNITUSED_CADDIGNITUSED_CADDIGNITUSED_CADDIGNITUSE	CS_OFFL_SIR_IOPM_2_20210814T092317_20210814T093627_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
S5 0FT, SFL 0PT, SFL	CS_OFFL_SIR_IOPM_2_20210814T094050_20210814T094911_C001		
GR. DPL_SR_UPU_2_201081411013_2020814110132_0001 Deskuber function Deskuber function GR. DPL_SR_UPU_2_20210814110132_2020814110132_0001 Deskuber function Deskuber function GR. DPL_SR_UPU_2_20210814110132_0001 Deskuber function Deskuber function GR. DPL_SR_UPU_2_20210814110132_0001 Deskuber function Deskuber function GR. DPL_SR_UPU_2_20210814110325_0001 Deskuber function Deskuber function GR. DPL_SR_UPU_2_20210814110325_0001 Deskuber function Deskuber function GR. DPL_SR_UPU_2_202108141111340_0011 Deskuber function Deskuber function Deskuber function GR. DPL_SR_UPU_2_20210814111340_0011 DE0X0441100000 The Ocean function function Deskuber function GR. DPL_SR_UPU_2_20210814111340_0011 DE0X0441100000 The Ocean function function Deskuber function GR. DPL_SR_UPU_2_20210814111340_00114111341_00011 DE0X0441100000 The Ocean function function Deskuber function GR_DPL_SR_UPU_2_20210814111340_00114111341_00011 DE0X0441100000 The Ocean function function Deskuber function GR_DPL_SR_UPU_2_20210814111340_0001814111341_0001 DE0X0441100000 The Ocean function function The Ocean function function GR_DPL_SR_UPU_2_202108141113247_0001 DE0X0441100	CS_OFFL_SIR_IOPM_2_20210814T095230_20210814T100830_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GB (PHL SR (DPM 2 22210814110405 2210814110505 201081410505 201081410505 201081410505 201081410505 201081410505 201081410505 201081410505 201081410505 201081410505 201081410505 201081410505 201081410505 201081410505 201081410505 201081410505 201081410505 20108140505 201081000000000000000000000000000000000	CS_OFFL_SIR_IOPM_2_20210814T101013_20210814T101253_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CE_DPEL_SIR_DPM_2.202108141105016_322108141105335_0001 and Stadsader Cuality COCO Attraver and the COCO Attraver frage and Backader Autory Flags have been effect to end interest and the COCO Attraver frage and Backader Autory COCO Attraver frage SIAM SW1 and Backader Autory Flags have been effect to end interest frage SIAM SW1 and Backader Cuality COCO Attraver frage and Backader Cuality COCO Attraver frage SIAM SW1 and Backader Cuality COCO Attraver frage and Backader Cuality Flags have been set for end on read records. C6, DPEL_SIR_DPM_2_202010141112233_202106141112233_202106141112237_20011 Decan Attraver frage SIAM, SW1 and Backader Cuality Flags have been set for end on read records. C6_DPEL_SIR_DPM_2_202016141112233_202106141112233_202106141112233_202106141112233_202106141112233_202106141112233_20210614113056_20011 Decan Attraver frage SIAM SW1 and Backader Cuality Flags have been set for end on read records. C6_DPEL_SIR_DPM_2_202106141112233_202106141112233_202106141112233_20210614113056_20011 Decan Attraver frage SIAM, SW1 and Backader Cuality Flags have been set for end on read records. C6_DPEL_SIR_DPM_2_20210614113056_20210614113056_20011	CS_OFFL_SIR_IOPM_2_20210814T104053_20210814T104845_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS. 0FFL SR. 0PM 2 3070814T10536 20210814T11544 001 and Backstater Quality, CGD, Alterest Page and Backstater Quality Flags have been set for or or none secols. CS. 0FFL SR. 0PM 2 30210814T11242_30210814T11244_0011 C2005 Alterest Page Quality, OCOS The CD23 Alterest Page and Backstater Quality Flags have been set for or or none secols. CS. 0FFL SR. 0PM 2 30210814T11223_20210814T11224_0011 C2005 Alterest Page Quality, OCOS The CD23 Alterest Page and Backstater Quality Flags have been set for or or none secols. CS. 0FFL SR. 0PM 2 30210814T11227_20210814T11227_0011 C2005 Alterest Page Quality, OCOS The CD23 Alterest Page SSA, SW1 and Backstater Quality Flags have been set for or or none secols. CS. 0FFL SR. 0PM 2 30210814T11227_20210814T11227_20210814T11227_0011 C2007 Alterest Page SSA, SW1 and Backstater Quality Flags have been set for or or none secols. CS. 0FFL SR. 0PM 2 30210814T11227_20210814T11227_0011 C2007 Alterest Page SSA, SW1 and Backstater Quality Flags have been set for or or none secols. CS. 0FFL SR. 0PM 2 30210814T113015_30210814T1130756_0011 C2007 Alterest Page SSA, SW1 and Backstater Quality Flags have been set for or none secols. CS. 0FFL SR. 0PM 2 30210814T13015_30210814T1130756_0011 C2007 Alterest Page SSA, SW1 and Backstater Quality Flags have been set for or none secols. CS. 0FFL SR. 0PM 2 30210814T13016_30210814T13005_0011 C2007 Alterest Page SSA, SW1 and Backstater Quality Flags have been set for or none secols. CS. 0FFL SR. 0PM 2 30210814T134005_0011 C2007 Alterest Pa	CS_OFFL_SIR_IOPM_2_20210814T105016_20210814T105333_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OPT_SIN_DPM_2_202108141112233_202108141112732_0001 Backscolar Quality bit on a or more records. CB_OPT_SIN_DPM_2_202108141112233_202108141112732_0001 DOGA Almeter Range Duality, OCGA The OCGA Almeter Range and Backscatter Quality Plags have been set brace more more records. CB_OPT_SIN_DPM_2_202108141112232_202108141112647_0001 Docan Almeter Range, SSHA, SWH and Backscatter Quality Plags have been set brace and more more records. The OCGA Almeter Range and Backscatter Quality Plags have been set brace and more more records. CB_OPT_SIN_DPM_2_202108141122304_20210814112647_0001 Cocan Almeter Range, SSHA, SWH and Backscatter Quality Plags have been set brace and more more records. The OCGA Almeter Range and Backscatter Quality Plags have been set brace and more more records. CB_OPT_SIN_DPM_2_202108141122304_20210814112647_0001 DOCGA Almeter Range, SSHA, SWH and Backscatter Quality Plags have been set brace and more more records. The OCGA Almeter Range and Backscatter Quality Plags have been set brace and more more records. CB_OPT_SIN_DPM_2_20210814113110_202108141132713_0001 DOCGA Almeter Range, SSHA, SWH and Backscatter Quality Plags have been set brace and more more more more more more more more	CS_OFFL_SIR_IOPM_2_20210814T105356_20210814T111614_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CSU DPL_SR_UPUL_2_0210814111224_2.001 Backstater Quality for one mrome records. CS_OPTL_SIR_UPUL_2_02108141113227_022108141113207_02108147113207_02108147113207_02108147113207_02108147113207_02108147113207_02108147113207_02108147113207_02108147113207_02108147113207_02108147113207_02108147113207_02108147113207_02108147113207_02108147113207_021081471130756_001 Ocean Attender Range Quality, OCOG Attender Tange and Backscatter Quality Flags have been set for one mrome records. CS_OFFL_SIR_UPUL_2_02108147130156_0202108147130756_001 OCCQ Attender Range Quality, OCOG Attender Tange and Backscatter Quality Flags have been set for one mrome records. CS_OFFL_SIR_UPUL_2_022108147130156_0202108147130756_001 OCCQ Attender Range SNH, SVH and Backscatter Quality Flags have been set for one mrome records. CS_OFFL_SIR_UPUL_2_022108147130156_0202108147132713_0001 Ocean Attender Range, SSH, SVH and Backscatter Quality Flags have been set for one mrome records. CS_OFFL_SIR_UPUL_2_020108147134100_0202108147132713_0001 Ocean Attender Range, SSH, SVH and Backscatter Quality Flags have been set for one mrome records. CS_OFFL_SIR_UPUL_2_020108147134200_020108147134200_0201081471440320_0001 Decean Attender Range SSH, SVH and Backscatter Quality Flags have been set for one mrome records. CS_OFFL_SIR_UPUL_2_020108147134200_02108147134200_02108147144032_02108147144032_02108147144032_02108147144032_02108147144032_02108147144032_02108147144032_02108147144032_02108147144032_02108147144032_020108147144032_0000 The Ocean Attender Range SSH, SVH and Backscatter Quality Flags have been set for one mrome records.	CS_OFFL_SIR_IOPM_2_20210814T111949_20210814T112148_C001		
CS. OFFL_SIR_JOPM_2_20210814T13227_20210814T15603_0001 and Eackscatter Quality The Ocean Altimeter Range and Backscatter Quality CS_OFFL_SIR_JOPM_2_20210814T12204_20210814T125437_0001 Ocean Altimeter Range Daily, OCOO Altimeter Range and Backscatter Quality CS_OFFL_SIR_JOPM_2_20210814T13056_20210814T132713_001 OCOO Altimeter Range Daily, OCOO Altimeter Range and Backscatter Quality CS_OFFL_SIR_JOPM_2_20210814T13016_20210814T13076_C001 OCOO Altimeter Range CSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20210814T13016_20210814T13076_C001 OCOO Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20210814T13110_20210814T132713_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20210814T134420_20210814T134205_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20210814T134202_20210814T134205_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20210814T14005_20210814T14327_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20210814T14005_20210814T14628_C001 OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20210814T146015_20210814T146423_C0	CS_OFFL_SIR_IOPM_2_20210814T112233_20210814T112732_C001		
CB_OFFL_SIR_JOPM_2_20210814T12304_0210814T125437_0001 and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CB_OFFL_SIR_JOPM_2_20210814T130156_20210814T130756_0001 OCCG Altimeter Range Quality, OCCG Backscatter Quality, Flags have been set for one or more records. CB_OFFL_SIR_JOPM_2_20210814T130156_20210814T130756_0001 OCCG Altimeter Range, SNH, SWH and Backscatter Quality, Flags have been set for one or more records. CB_OFFL_SIR_JOPM_2_20210814T130156_20210814T132713_0001 Ocean Altimeter Range, SNH, SWH and Backscatter Quality, Flags have been set for one or more records. CB_OFFL_SIR_JOPM_2_20210814T130156_20210814T1332713_0001 Ocean Altimeter Range, SNH, SWH and Backscatter Quality, Flags have been set for one or more records. CB_OFFL_SIR_JOPM_2_20210814T130456_20210814T13327.0001 Ocean Altimeter Range, SNH, SWH and Backscatter Quality, Flags have been set for one or more records. CB_OFFL_SIR_JOPM_2_20210814T140055_20210814T143327_0001 Ocean Altimeter Range, SNH, SWH and Backscatter Quality, Flags have been set for one or more records. CB_OFFL_SIR_JOPM_2_20210814T14005_20210814T144628_0001 OCCG Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality, Flags have been set for one or more records. CB_OFFL_SIR_JOPM_2_20210814T14055_20210814T144628_0001 OCCGA Altimeter Range SNH, SWH and Backscatter Quality Flags have been set for one or more records. CB_OFFL_SIR_JOPM_2_20210814T14055_20210814T146428_0001 OCCGA Altimeter Range, SNH, SWH and Backscatter Quality Fla	CS_OFFL_SIR_IOPM_2_20210814T113227_20210814T115603_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SR_JOPM_2_20210814T130156_20210814T13076E_0001 Backscatter Quality for one or more records. CB_OFFL_SR_JOPM_2_20210814T13110_20210814T132713_C001 Cosen Altmeter Range, SSHA, SVH and Backscatter Quality Call for one or more records. CB_OFFL_SR_JOPM_2_20210814T134420_20210814T134005_C001 Cosen Altmeter Range, SSHA, SVH and Backscatter Quality Flags have been Range and Backscatter Quality Call for one or more records. CB_OFFL_SR_JOPM_2_20210814T13462_20210814T134005_C001 Cosen Altmeter Range, SSHA, SVH and Backscatter Quality Flags have been Range and Backscatter Quality Call for one or more records. CB_OFFL_SR_JOPM_2_20210814T13462_20210814T134005_C001 Cosen Altmeter Range SSHA, SVH and Backscatter Quality Call for one or more records. CB_OFFL_SR_JOPM_2_20210814T140055_20210814T143227_C001 Cosen Altmeter Range Quality, CCOG Altmeter Range Quality, CCOG Altmeter Range Quality, CCOG Altmeter Range and Backscatter Quality Flags have been records. CB_OFFL_SR_JOPM_2_20210814T145015_20210814T145423_C001 Cosen Altmeter Range, SHA, SVH and Backscatter Quality, CCOG Altmeter Range and Backscatter Quality, Flags have been et for one or more records. CS_OFFL_SR_JOPM_2_20210814T152857_20210814T154910_C001 Cosan Altmeter Range, SHA, SVH and Backscatter Q	CS_OFFL_SIR_IOPM_2_20210814T122904_20210814T125437_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_JOPM_2_20210814T131110_20210814T132T13_C001 and Backscater Quality CCG Allmeter Range and Backscater Quality Flags have been Range and Backscat	CS_OFFL_SIR_IOPM_2_20210814T130156_20210814T130756_C001		
CS_OFFL_SIR_IOPM_2_20210814T134402_02010814T134405_0001 and Backscatter Quality and Backscatter Quality mathemater and the OCCOA Altimeter Range and Backscatter Quality Flags have been and backscatter Quality CS_OFFL_SIR_IOPM_2_20210814T140055_20210814T1443327_C001 Decan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T144105_20210814T144628_C001 DeCG Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T145015_20210814T144628_C001 Decan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T145015_20210814T145423_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T152433_20210814T152817_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T152433_20210814T152817_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T152957_20210814T154910_C001 md Backscatter Quality, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T152957_20210814T161310_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T1	CS_OFFL_SIR_IOPM_2_20210814T131110_20210814T132713_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210814T140055_20210814T143237_C001 and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T144105_20210814T144628_C001 DCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T144105_20210814T144628_C001 DCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T152433_20210814T152817_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T152433_20210814T152817_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T153957_20210814T154910_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162002_20210814T161310_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162002_20210814T162109_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162015_20210814T	CS_OFFL_SIR_IOPM_2_20210814T134420_20210814T134905_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210814T145015_20210814T145423_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_20210814T145015_20210814T145423_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T152433_20210814T152817_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T152433_20210814T152817_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T153857_20210814T154910_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T153957_20210814T154910_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T155155_20210814T161310_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162002_20210814T162109_C001 OCCGA Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162105_20210814T162109_C001 OCCGA Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162105_20210814T162522_C001 OCCGA Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags hav	CS_OFFL_SIR_IOPM_2_20210814T140055_20210814T143327_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210814T145015_20210814T145423_C001 and Backscatter Quality, COCG Altimeter Range and Backscatter Quality and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T152433_20210814T152817_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T153957_20210814T154910_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Range and Backscatter Quality, COCG Altimeter Range, and Backscatter Quality, Flags have been Range and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Range and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162109_C001 Ocean Altimeter Range Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162105_20210814T162109_C001 OCCG Altimeter Range Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162015_20210814T162109_C001 OCCG Altimeter Range Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOP	CS_OFFL_SIR_IOPM_2_20210814T144105_20210814T144628_C001		
CS_OFFL_SIR_IOPM_2_20210814T152433_20210814T152817_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T153957_20210814T154910_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T155155_20210814T161310_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162109_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162109_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162002_20210814T162109_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162115_20210814T16252_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162115_20210814T164027_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T164214_20210814T164703_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T164214_20210814T164703_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Qualit	CS_OFFL_SIR_IOPM_2_20210814T145015_20210814T145423_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210814T153957_20210814T154910_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T155155_20210814T161310_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162002_20210814T162109_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162115_20210814T162522_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T163045_20210814T164027_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T164045_20210814T164027_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20210814T152433_20210814T152817_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210814T155155_20210814T161310_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162002_20210814T162109_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_20210814T162115_20210814T162522_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_20210814T163045_20210814T164027_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T163045_20210814T164027_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T164214_20210814T164703_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T164214_20210814T164703_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20210814T153957_20210814T154910_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210814T162002_20210814T162502_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_20210814T162115_20210814T162522_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T163045_20210814T164027_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set Range and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T163045_20210814T164027_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T164214_20210814T164703_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20210814T155155_20210814T161310_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_202108141162115_202108141162522_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_20210814T163045_20210814T164027_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T164214_20210814T164703_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20210814T162002_20210814T162109_C001		
CS_OFFL_SIR_IOPM_2_20210814T163045_20210814T164027_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20210814T164214_20210814T164703_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been and Backscatter	CS_OFFL_SIR_IOPM_2_20210814T162115_20210814T162522_C001		
CS_OFFL_SIR_IOPM_2_20210814T164214_20210814T164703_C001 and Backscatter Quality, OCOG Altimeter and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20210814T163045_20210814T164027_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPM_2_20210814T164214_20210814T164703_C001	and Backscatter Quality, OCOG Altimeter	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20210814T165021_20210814T165416_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_20210814T171651_20210814T175152_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T175511_20210814T180008_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_20210814T181108_20210814T184248_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T184350_20210814T184450_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_20210814T184450_20210814T184700_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_20210814T185508_20210814T190952_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T191433_20210814T191531_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T191543_20210814T193124_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T193356_20210814T193907_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_20210814T193944_20210814T194116_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_20210814T194904_20210814T200108_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T200536_20210814T202131_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T204435_20210814T205453_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T205633_20210814T211010_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T211319_20210814T211819_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_20210814T211826_20210814T211837_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_20210814T211844_20210814T211853_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_20210814T213049_20210814T214038_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T214335_20210814T214842_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T215317_20210814T220054_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T222733_20210814T224822_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T225354_20210814T225737_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_20210814T225758_20210814T230055_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_20210814T230501_20210814T233238_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T235347_20210814T235423_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T101551_20210814T101940_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_20210814T112733_20210814T113003_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T193218_20210814T193356_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_20210814T202502_20210814T202558_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_20210814T214038_20210814T214335_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_20210814T220054_20210814T220100_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T222159_20210814T222559_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_20210814T013236_20210814T013332_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T070917_20210814T071529_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T170117_20210814T170335_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T170901_20210814T171651_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_20210814T180008_20210814T180014_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_20210814T184802_20210814T185346_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T193124_20210814T193217_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20210814T215005_20210814T215125_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_20210814T222627_20210814T222732_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter 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 (20Hz PLRM)

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

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

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

Number of products with errors: 82		
Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20210814T012105_20210814T012228_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_20210814T020856_20210814T021014_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_20210814T021055_20210814T021215_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_20210814T024229_20210814T024326_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_20210814T030749_20210814T031102_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_20210814T035909_20210814T040012_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_20210814T040327_20210814T040520_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_20210814T041649_20210814T041955_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_20210814T044035_20210814T044149_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_20210814T044648_20210814T045009_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_20210814T062125_20210814T062401_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_20210814T071640_20210814T071801_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_20210814T075640_20210814T075820_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_20210814T075843_20210814T080256_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_20210814T080507_20210814T080552_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_20210814T083842_20210814T083939_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_20210814T090020_20210814T090226_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_20210814T091815_20210814T092317_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_20210814T101551_20210814T101940_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_20210814T102016_20210814T102112_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_20210814T103512_20210814T104014_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_20210814T111830_20210814T111949_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_20210814T112733_20210814T113003_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_20210814T125755_20210814T125915_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_20210814T125954_20210814T130156_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_20210814T130756_20210814T130926_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_20210814T135736_20210814T140054_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_20210814T143745_20210814T144105_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_20210814T144629_20210814T144746_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_20210814T162522_20210814T162646_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_20210814T164704_20210814T165021_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_20210814T170612_20210814T170901_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_20210814T180349_20210814T180521_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_20210814T184341_20210814T184350_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_20210814T193218_20210814T193356_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_20210814T204208_20210814T204434_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_20210814T212825_20210814T213049_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_20210814T220132_20210814T220547_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_20210814T221108_20210814T221132_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_20210814T222159_20210814T222559_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_20210814T225038_20210814T225354_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_20210814T233238_20210814T233514_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_20210814T002148_20210814T002253_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_20210814T013236_20210814T013332_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_20210814T021014_20210814T021054_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_20210814T023159_20210814T023342_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_20210814T025534_20210814T030100_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_20210814T031102_20210814T031454_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_20210814T035003_20210814T035742_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_20210814T052951_20210814T053641_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_20210814T061427_20210814T062125_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_20210814T070917_20210814T071529_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_20210814T073900_20210814T074114_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_20210814T085129_20210814T085326_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_20210814T085829_20210814T090020_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_20210814T093627_20210814T093856_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_20210814T101253_20210814T101520_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_20210814T102913_20210814T103511_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.
	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
CS_OFFL_SIR_IOPR_2_20210814T104845_20210814T105016_C001	OCOG Backscatter Quality	more records.

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CS_OFFL_SIR_IOPR_2_20210814T111614_20210814T111830_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_20210814T121026_20210814T121533_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_20210814T125437_20210814T125755_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_20210814T130926_20210814T131110_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_20210814T143327_20210814T143745_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_20210814T144747_20210814T145015_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_20210814T145423_20210814T145711_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_20210814T152113_20210814T152324_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_20210814T161310_20210814T161641_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_20210814T162646_20210814T163045_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_20210814T170117_20210814T170335_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_20210814T170901_20210814T171651_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_20210814T180521_20210814T181108_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_20210814T185359_20210814T185508_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_20210814T194322_20210814T194904_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_20210814T200249_20210814T200536_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_20210814T205453_20210814T205633_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_20210814T211011_20210814T211051_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_20210814T211051_20210814T211132_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_20210814T215005_20210814T215125_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_20210814T220547_20210814T221108_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_20210814T224822_20210814T225038_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_20210814T234410_20210814T235347_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)		

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors:

187

L2 Retracking Flags (20Hz)		
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz meas	surement 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 lan	nd and sea ice, but this is to be expected. The nu	mber of products with this error flag set is given below.
Number of products with errors: 65		
L2 Retracking Flags (20Hz, PLRM)		
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM		
Ocean Retracking Quality Flag (PLRM): This flag is currently set for products	IOPR and IOPN products over sea ice, but this	is to be expected.
Number of products with errors: 143		
6. IOP L	2 Pole-to-Pole Data Quality	Check
6.1 P2P Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to environment of products with errors: 0	ensure it consists of both an XML header file (.HL	DR) and a NetCDF product file (.nc).
6.2 P2P Product Header Analysis		
For all products, a series of pre-defined checks are performed on the MPH and	SPH in order to identify any inconsistencies and	l/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
6.3 P2P Auxiliary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre	-determined baseline and also to check the valio	lity of Auxiliary Data Files is correct.
Number of products with errors: 0		
6.4 P2P Auxiliary Correction Error Check		
For all products, the auxiliary corrections within the Geophysical Group are che	cked for the default error value (32767).	
Currently, there are some common auxiliary correction errors raised in th followed by a table highlighting any additional issues which may arise fro		o surface type. All common flags are summarised in the list below,
> ECMWF Meteo Corrections: Currently the following corrections are not corr and the U-Wind and V-Wind components of the ECMWF model wind vector. The 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 ar	nd sea ice, but this is to be expected.	
> Mean Dynamic Topography: The error value is currently set for products ov	ver land and sea ice, but this is to be expected.	
> Altimetric Wind Speed Error: The error value is currently set for products or	ver land and sea ice, but this is to be expected.	
Number of products with errors: 29		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_220210814T003806_20210814T012741_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_20210814T012741_20210814T021720_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_220210814T021720_20210814T030656_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_220210814T030656_20210814T035635_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	
CS_OFFL_SIR_IOP_220210814T035635_20210814T044611_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
	Mean Sea Surface (1), Mean Dynamic Topography (1)	
CS_OFFL_SIR_IOP_220210814T044611_20210814T053550_C001		Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic
	Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_IOP_220210814T044611_20210814T053550_C001 CS_OFFL_SIR_IOP_2_20210814T053550_20210814T062525_C001 CS_OFFL_SIR_IOP_2_20210814T062525_20210814T071504_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_IOP_220210814T053550_20210814T062525_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1), the Mean Dynamic
CS_OFFL_SIR_IOP_220210814T053550_20210814T062525_C001 CS_OFFL_SIR_IOP_220210814T062525_20210814T071504_C001 CS_OFFL_SIR_IOP_220210814T071504_20210814T080440_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean	Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT
CS_OFFL_SIR_IOP_220210814T053550_20210814T062525_C001 CS_OFFL_SIR_IOP_220210814T062525_20210814T071504_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) 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 There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_IOP_2_20210814T053550_20210814T062525_C001 CS_OFFL_SIR_IOP_2_20210814T062525_20210814T071504_C001 CS_OFFL_SIR_IOP_2_20210814T071504_20210814T080440_C001 CS_OFFL_SIR_IOP_2_20210814T080440_20210814T085419_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1)	Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) 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 There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210814T053550_20210814T062525_C001 CS_OFFL_SIR_IOP_2_20210814T062525_20210814T071504_C001 CS_OFFL_SIR_IOP_2_20210814T071504_20210814T080440_C001 CS_OFFL_SIR_IOP_2_20210814T080440_20210814T085419_C001 CS_OFFL_SIR_IOP_2_20210814T085419_20210814T094354_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1)	Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) 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 There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210814T053550_20210814T062525_C001 CS_OFFL_SIR_IOP_2_20210814T062525_20210814T071504_C001 CS_OFFL_SIR_IOP_2_20210814T071504_20210814T080440_C001 CS_OFFL_SIR_IOP_2_20210814T080440_20210814T085419_C001 CS_OFFL_SIR_IOP_2_20210814T085419_20210814T094354_C001 CS_OFFL_SIR_IOP_2_20210814T094354_20210814T103334_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1)	Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) 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 There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1).

CS_OFFL_SIR_IOP_2_20210814T130224_20210814T135203_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_20210814T135203_20210814T144139_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_20210814T144139_20210814T153118_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_20210814T153118_20210814T162053_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_20210814T162053_20210814T171032_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_20210814T171032_20210814T180008_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_20210814T180008_20210814T184947_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_20210814T184947_20210814T193922_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_20210814T193922_20210814T202902_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_20210814T202902_20210814T211837_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_20210814T211837_20210814T220816_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_20210814T220816_20210814T225752_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_20210814T225752_20210814T234731_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOP_220210814T234731_20210815T003707_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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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.

3

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220210814T085419_20210814T094354_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220210814T193922_20210814T202902_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220210814T220816_20210814T225752_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: 28 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: 27 P2P Quality Flags (1 Hz & 1Hz 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: 27 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: 29 6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

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

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

28

29

Number of products with errors:

P2P Retracking Flags PLRM

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

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

7. IOP QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_IOPM1B	139	0	0	0	0
SIR_IOPR1B	106	0	0	0	0
SIR_IOPN1B	96	0	0	0	0
SIR_IOPM_2	139	0	0	0	0
SIR_IOPR_2	106	0	0	0	0
SIR_IOPN_2	96	0	0	0	0
SIR_IOP_P2P	29	0	0	0	0
.2 QCC Warnings					
umber of QCC reports with v	warnings ()			
.3 Missing QCC Rep	orts				