

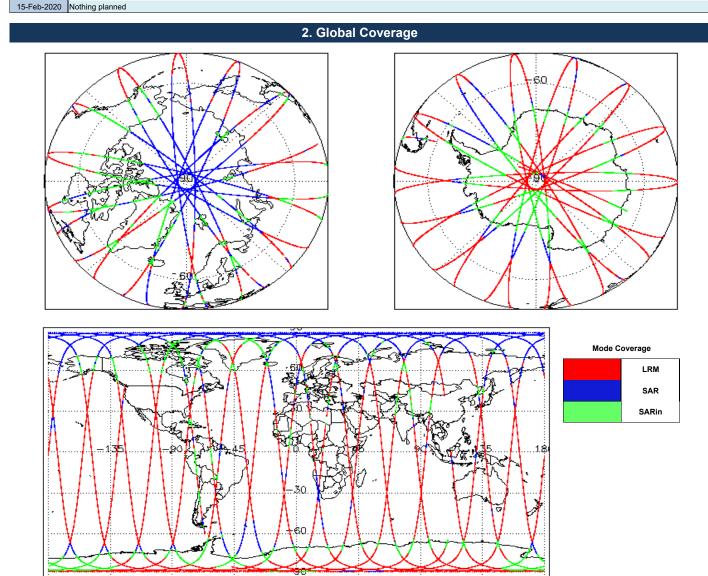
QA4EO Daily Report for IOP data:

<u>14/02/2020</u>

an aut Duaduation.	17-Feb-2020	Check	L1 & L2	P2P
Report Production:	17-Feb-2020	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CrucSat Occan Braccocar	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Useu.	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Intermediate Ocean Products (IOP)	Product Format Check	Nominal	Nominal
L1B, L2	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	Nominal
		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

1. Overview

Mission / Instrument News			
13-Feb-2020	None		
14-Feb-2020	None		



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

For all products, a series of pre-defined checks are performed on the MPH an	ad SPH in order to identify any inco	nsistencies and/or errors raised by the ground-segment processing chain		
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B IOPR and IOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.				
Number of products with errors: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pr	re-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 reco	ord. The bit value of this flag indicate	es any problems when set.		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check				
CrvoSat L1B data includes a measurement confidence flag for each measure	ment record. The bit value of this fi	ag indicates any problems when set.		
CryoSat L1B data includes a measurement confidence flag for each measure Attitude Correction Missing: This flag is currently set in error for IOPR prod Number of products with errors: 0				
Attitude Correction Missing: This flag is currently set in error for IOPR prod				
Attitude Correction Missing: This flag is currently set in error for IOPR products with errors: 0				
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Attitude Correction Missing: This flag is currently set in error for IOPR products with errors: 0 4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag for each measurement record	lucts due to a configuration issue. T rd. The bit value of this flag indicate	his is being investigated and will be updated in the next SW update.		
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CS_OFFL_SIR_IOPR1B_20200214T171239_20200214T171417_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPR1B_20200214T172623_20200214T173413_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPR1B_20200214T181221_20200214T181445_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPR1B_20200214T190314_20200214T191722_C001 Loss of Echo The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

The tracking echo is missing for one or more records

5.1 L2 Product Format Check

CS_OFFL_SIR_IOPR1B_20200214T120343_20200214T120522_C001

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). 0

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:

Loss of Echo

5.3 L2 Auxiliary Data File Usage Check

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

5.4 L2 Auxiliary Correction Error Check

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

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

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20200214T024140_20200214T024247_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_20200214T140336_20200214T140437_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_20200214T232504_20200214T233315_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_20200214T004915_20200214T005427_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_20200214T013904_20200214T014156_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_20200214T014819_20200214T015118_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_20200214T022907_20200214T023250_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_20200214T063805_20200214T063930_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_20200214T064447_20200214T064753_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_20200214T074553_20200214T074612_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_20200214T081748_20200214T082048_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_20200214T082347_20200214T082725_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_20200214T095825_20200214T100100_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_20200214T105332_20200214T105452_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_20200214T113406_20200214T113941_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_20200214T122808_20200214T122853_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_20200214T123305_20200214T123514_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_20200214T131548_20200214T131725_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_20200214T132613_20200214T132818_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_20200214T141217_20200214T141704_C001	Mean Sea Surface (1), Mean Dynamic Topography (1) Iviean Sea Surface (1), Iviean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20200214T163500_20200214T163852_C001	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_20200214T172040_20200214T172203_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_20200214T181445_20200214T181758_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_20200214T182313_20200214T182423_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_20200214T195215_20200214T195634_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_20200214T200214_20200214T200336_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_20200214T204142_20200214T204550_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_20200214T213952_20200214T214139_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_20200214T222353_20200214T222445_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_20200214T231755_20200214T232018_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_20200214T005428_20200214T010036_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_20200214T023250_20200214T024140_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_20200214T040942_20200214T041720_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_20200214T054912_20200214T055539_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_20200214T055539_20200214T055846_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_20200214T072746_20200214T073438_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_20200214T073438_20200214T073620_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_20200214T090851_20200214T091334_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_20200214T091334_20200214T091456_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_20200214T104656_20200214T105213_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_20200214T105213_20200214T105332_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_20200214T122853_20200214T122932_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_20200214T122933_20200214T123304_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_20200214T140437_20200214T140459_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_20200214T140459_20200214T141217_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_20200214T154708_20200214T155247_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_20200214T171530_20200214T171707_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_20200214T172027_20200214T172040_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_20200214T172623_20200214T173413_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_20200214T190314_20200214T191722_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_20200214T204551_20200214T205322_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_20200214T222445_20200214T223026_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_20200214T235401_20200214T235500_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

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.

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

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Product	Test Failed	Description
	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_20200214T003454_20200214T003707_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_20200214T003830_20200214T004531_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_20200214T011530_20200214T011932_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_20200214T012036_20200214T013904_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_20200214T014157_20200214T014607_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_20200214T014629_20200214T014818_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_20200214T015211_20200214T021811_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_20200214T025258_20200214T031842_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_20200214T031957_20200214T032521_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_20200214T032527_20200214T032852_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_20200214T033119_20200214T040428_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_20200214T043612_20200214T044956_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_20200214T045143_20200214T045818_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_20200214T045953_20200214T050759_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_20200214T051024_20200214T054521_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_20200214T055847_20200214T055937_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_20200214T062846_20200214T063753_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_20200214T063930_20200214T064447_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_20200214T065013_20200214T071256_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_20200214T071542_20200214T072507_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_20200214T073711_20200214T073736_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_20200214T073750_20200214T074118_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_20200214T075710_20200214T080152_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_20200214T080340_20200214T081700_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_20200214T082947_20200214T085701_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_20200214T085841_20200214T090150_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_20200214T092005_20200214T092659_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_20200214T092713_20200214T095125_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
CS_OFFL_SIR_IOPM_2_20200214T100100_20200214T100253_C001	Backscatter Quality	for one or more records.
CS_OFFL_SIR_IOPM_2_20200214T100523_20200214T100739_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_20200214T100924_20200214T101439_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_20200214T101532_20200214T102603_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_20200214T102606_20200214T103655_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_20200214T104527_20200214T104531_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_20200214T105452_20200214T105856_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_20200214T110016_20200214T110240_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_20200214T110413_20200214T111508_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_20200214T112219_20200214T113405_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_20200214T113941_20200214T114209_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_20200214T114236_20200214T114700_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_20200214T114839_20200214T120342_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_20200214T123931_20200214T124052_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_20200214T124537_20200214T124926_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_20200214T125049_20200214T125640_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_20200214T125718_20200214T131458_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_20200214T131725_20200214T132613_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_20200214T132823_20200214T135041_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_20200214T143001_20200214T145413_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_20200214T145651_20200214T145832_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_20200214T145937_20200214T150403_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_20200214T150649_20200214T154044_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_20200214T160120_20200214T160359_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_20200214T160524_20200214T163337_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_20200214T163852_20200214T164442_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_20200214T164607_20200214T170520_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_20200214T173715_20200214T181221_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_0FFL_SIR_IOPM_2_20200214T181758_20200214T182312_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_20200214T182450_20200214T182755_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_20200214T182955_20200214T183309_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_20200214T190031_20200214T190314_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_20200214T191722_20200214T192603_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_20200214T192849_20200214T195113_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_20200214T195806_20200214T200214_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_20200214T200421_20200214T201719_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_20200214T201907_20200214T202624_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_20200214T202718_20200214T203140_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_20200214T203920_20200214T204004_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_20200214T205742_20200214T213001_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_20200214T213132_20200214T213657_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_20200214T213703_20200214T213710_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_20200214T213717_20200214T213952_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_20200214T214758_20200214T220027_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_20200214T220046_20200214T221808_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_20200214T222146_20200214T222352_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_20200214T223939_20200214T225122_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_20200214T225326_20200214T230913_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_20200214T231056_20200214T231554_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_20200214T232504_20200214T233315_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_20200214T234153_20200214T235310_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_20200214T064447_20200214T064753_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_20200214T091601_20200214T091727_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_20200214T100739_20200214T100918_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_20200214T154435_20200214T154447_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_20200214T230914_20200214T231056_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_20200214T233535_20200214T233603_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_20200214T010044_20200214T010144_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_20200214T023250_20200214T024140_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_20200214T122933_20200214T123304_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_20200214T183310_20200214T183912_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_20200214T192603_20200214T192849_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_20200214T213658_20200214T213703_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20200214T002105_20200214T002409_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_20200214T002714_20200214T003240_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_20200214T004541_20200214T004703_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_20200214T004915_20200214T005427_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_20200214T014819_20200214T015118_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_20200214T022702_20200214T022824_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_20200214T022907_20200214T023250_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_20200214T024846_20200214T025110_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_20200214T032852_20200214T033011_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_20200214T040428_20200214T040941_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_20200214T041720_20200214T041745_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_20200214T045829_20200214T045953_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_20200214T050800_20200214T050857_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_20200214T054521_20200214T054652_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_20200214T060114_20200214T060237_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_20200214T060751_20200214T060948_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_20200214T063805_20200214T063930_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_20200214T064447_20200214T064753_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_20200214T082347_20200214T082725_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_20200214T091456_20200214T091538_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_20200214T091601_20200214T091727_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_20200214T091919_20200214T092005_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_20200214T100254_20200214T100523_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_20200214T105332_20200214T105452_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_20200214T113406_20200214T113941_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_20200214T122808_20200214T122853_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_20200214T123618_20200214T123848_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_20200214T135650_20200214T135823_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_20200214T163500_20200214T163852_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_20200214T172040_20200214T172203_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_20200214T173413_20200214T173513_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_20200214T182313_20200214T182423_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_20200214T184144_20200214T184203_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_20200214T185730_20200214T185746_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_20200214T195215_20200214T195634_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_20200214T200214_20200214T200336_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_20200214T202625_20200214T202718_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_20200214T204004_20200214T204052_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_20200214T204142_20200214T204550_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_20200214T221813_20200214T221932_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_20200214T230914_20200214T231056_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_20200214T231755_20200214T232018_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.

C2 OFFL_SRIJOPL_2.2000141725314_2000014725372_0001 COOD Altereter Renge Callely PABL The COOD Renge will backstortic Callely PABL have been set for one or more recents. C3 OFFL_SRIJOPL_2.2000241725346_200001477254137_0001 COOD Altereter Renge Callely PABL The COOD Renge will backstortic Callely PABL have been set for one or more recents. C3 OFFL_SRIJOPL_2.2000241725346_20000147705452_0001 COOD Altereter Renge Callely PABL The COOD Renge will backstortic Callely PABL have been set for one or more recents. C3 OFFL_SRIJOPL_2.20002417705462_20000147705452_0001 COOD Altereter Renge Callely PABL The COOD Renge will backstortic Callely PABL have been set for one or more recents. C3 OFFL_SRIJOPL_2.20002141705421_20000147705452_0001 COOD Altereter Renge Callely PABL The COOD Renge will backstortic Callely PABL have been set for one or more recents. C3 OFFL_SRIJOPL_2.20002141705421_2000014770541_0001 COOD Altereter Renge Callely PABL The COOD Renge will backstortic Callely PABL have been set for one or more recents. C3 OFFL_SRIJOPL_2.20002141705421_2000014770541_0001 COOD Altereter Renge Callely PABL The COOD Renge will backstortic Callely PABL have been set for one or more recents. C3 OFFL_SRIJOPL_2.20002141705421_2000014770541_0001 COOD Altereter Renge Callely PABL The COOD Renge will backstortic Callely PABL have been set for one or more recents. C3 OFFL_SRIJOPL_2.2000214170542_2000014770541_0001 COOD Altereter Renge Callely PABL The COO			
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Displant Description Description <thdescription< th=""> <thdescription< th=""> <t< td=""><td>CS_OFFL_SIR_IOPR_2_20200214T005428_20200214T010036_C001</td><td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></t<></thdescription<></thdescription<>	CS_OFFL_SIR_IOPR_2_20200214T005428_20200214T010036_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_JOPR_2_20200214T015129_20200214T015211_C001 and Backscatter Quality PLRM, QCG Impert Parage, SSHA, SWH and Backscatter Quality Plags have been and Backscatter Quality Plags. Name Research Quality Plags. N	CS_OFFL_SIR_IOPR_2_20200214T010044_20200214T010144_C001		
GS_OFFL_SIR_IOPR_2_20200214T023250_2020214T022140_0001 and Backsatter Quality PLRM. CCCG Allmeter Range and Backsatter Quality PLRM. CCCG Allmeter Range. SSHA, SWH and Backsatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T040942_20200214T041720_C001 Decan Alimeter Range. SSHA, SWH and Backsatter Quality Flags and Backsatter Quality PLRM. CCCG Alimeter Range. SSHA, SWH and Backsatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T041746_20202214T041904_C001 Ocean Alimeter Range. SSHA, SWH and Backsatter Quality Flags and Backsatter Quality PLRM. CCCG Alimeter Range and Backsatter Quality Flags and Backsatter Quality PLRM. The Ocean Alimeter Range. SSHA, SWH and Backsatter Quality Flags and Backsatter Quality PLRM. CS_OFFL_SIR_IOPR_2_20200214T042030_20200214T042158_C001 OCGG Alimeter Range Quality PLRM. CCCGG Backsatter Quality The OCCGR Alimeter Range Backsatter Quality Flags and Backsatter Quality The OCCGR Alimeter Range SSHA, SWH and Backsatter Quality CS_OFFL_SIR_IOPR_2_20200214T054912_20200214T054912_00200214T054912_00200214T05539_C001 OCGG Alimeter Range, SSHA, SWH and Backsatter Quality The OCCGR Range and Backsatter Quality Flags have been set for one rome records. CS_OFFL_SIR_IOPR_2_20200214T054912_0200214T055846_C001 OCGG Alimeter Range, SSHA, SWH and Backsatter Quality The OCCGR Range and Backsatter Quality Flags have been set for one rome records. CS_OFFL_SIR_IOPR_2_20200214T054913_0020214T055846_C001 OCGG Alimeter Range, SSHA, SWH and Backsatter Quality The OCCGR Alimeter Range, SSHA, SWH and Backsatter Qua	CS_OFFL_SIR_IOPR_2_20200214T015129_20200214T015211_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_IOPR_2_20200214T040942_20200214T041720_C001 and Backscatter Quality PLRM_OCOG and Backscatter Quality PLRM_OCOG GS_OFFL_SIR_IOPR_2_20200214T041746_20200214T041904_C001 Qcean Alimater Range, SSHA, SVH and Backscatter Quality PLRM, OCOG and Backscatter Quality PLRM, OCOG GS_OFFL_SIR_IOPR_2_20200214T041746_20200214T041904_C001 Qcean Alimater Range, SSHA, SVH and Backscatter Quality PLRM, OCOG The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T042030_20200214T042158_C001 QCGG Alimeter Range Quality PLRM, OCOG The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T054652_20200214T054715_C001 QCGG Alimeter Range Quality PLRM, OCOG The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T054012_20200214T05539_C001 QCGG Alimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T05538_20200214T05538_C001 QCean Alimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T056538_20200214T056546_C001 QCean Alimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T065013_C001 QCEG Alimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one o	CS_OFFL_SIR_IOPR_2_20200214T023250_20200214T024140_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_JOPR_2_20200214T041746_20200214T041904_C001 and Backscatter Quality PLRM. COULD Animate Range and Backscatter Quality PLRM. COULD Animate Range and Backscatter Quality PLRM. COCG Balkscatter Quality PLRM. COCG Backscatter Quality PLRM. COCG Alimeter Range and Backscatter Quality PLRM. COCG Alimeter Range and Backscatter Quality FLRM. NOW COCG Backscatter Quality PLRM. COCG Alimeter Range and Backscatter Quality FLRM. COCG Alimeter Range and Backscatter Qualit	CS_OFFL_SIR_IOPR_2_20200214T040942_20200214T041720_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200214T04205_20200214T054015_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_20200214T054652_20200214T054015_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T055039_C001 Ocean Altimeter Range and Backscatter Quality PLRM The OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20200214T055539_20200214T055546_C001 Ocean Altimeter Range and Backscatter Quality PLRM The OCean Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20200214T062555_20200214T062846_C001 OCOG Altimeter Range and Backscatter Quality PLRM The OCean Altimeter Range and Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T062555_20200214T062846_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCEG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altime	CS_OFFL_SIR_IOPR_2_20200214T041746_20200214T041904_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200214T054912_20200214T055539_C001 OCOG Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the COCO Altimeter Range and Backscatter Quality Flags. And the OCOG Altimeter Range. SSHA, SWH and Backscatter Quality Flags. Altimeter Range SSHA, SWH and Backscatter	CS_OFFL_SIR_IOPR_2_20200214T042030_20200214T042158_C001		
CS_OFFL_SIR_IOPR_2_20200214T054912_20200214T055539_C001 Ind backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T055539_20200214T0555846_C001 Ocean Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T0655539_20200214T0655846_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T062555_20200214T065013_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T064753_20200214T065013_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T072508_20200214T072509_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T072746_20200214T073438_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T073438_2020214T073438_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T073438_2020214T073438_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20200214T054652_20200214T054715_C001	OCOG Backscatter Quality	
CS_OFFL_SIR_IOPR_2_20200214T055539_20200214T055846_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM Ine OCean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T062555_20200214T062846_C001 OCGG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T064753_20200214T065013_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200214T072508_20200214T072659_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200214T072746_20200214T072659_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200214T072746_20200214T073438_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200214T073438_20200214T073438_C001 Mitmeter Range, SSHA, SWH and Backscatter Quality The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200214T073438_20200214T073438_20200214T073438_20200214T073438_20200214T073438_20200214T073438_20200214T073438_20200214T073438_20200214T073438_20200214T073438_20200	CS_OFFL_SIR_IOPR_2_20200214T054912_20200214T055539_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_202002141062846_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_20200214T064753_20200214T065013_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T072508_20200214T072659_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T072746_20200214T073438_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T073438_20200214T073438_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T073438_20200214T073620_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T073438_20200214T073620_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T074803_20200214T074846_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T074803_20200214T074846_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20200214T055539_20200214T055846_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200214T064753_20200214T065013_C001and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRMThe Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags hat the OCOG Attimeter Range and Backscatter Qua	CS_OFFL_SIR_IOPR_2_20200214T062555_20200214T062846_C001		, , , , , , , , , , , , , , , , , , ,
CS_OFFL_SIR_IOPR_2_20200214T072508_20200214T072659_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM Ind Codean Altimeter Range, and Backscatter Quality FLRM CS_OFFL_SIR_IOPR_2_20200214T072746_20200214T073438_C001 and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, and Backscatter Quality PLRM, OCOG Attimeter Range, and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Fla	CS_OFFL_SIR_IOPR_2_20200214T064753_20200214T065013_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200214T072746_20200214T073438_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM Ind Ocdan Altimeter Range, and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20200214T073438_20200214T073620_C001 and Backscatter Quality PLRM, OCOG 	CS_OFFL_SIR_IOPR_2_20200214T072508_20200214T072659_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200214T073438_20200214T073620_C001 and Backscatter Quality PLRM, OCOG And the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and	CS_OFFL_SIR_IOPR_2_20200214T072746_20200214T073438_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200214T074803_20200214T074846_C001 and Backscatter Quality PLRM, OCOG Altimeter Range 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_20200214T073438_20200214T073620_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPR_2_20200214T074803_20200214T074846_C001	and Backscatter Quality PLRM, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

COULD BRACKERT UNITY DOUB RATCHER CS_OFFL_SIR_JORP_2_2000214T09134_2000214T09134_000014T09134_000014T09134_00001 Processor CS_OFFL_SIR_JORP_2_2000214T09134_2000214T09134_000014T091490_0001 Processor CS_OFFL_SIR_JORP_2_2000214T09134_2000214T09134_000014T091490_0001 Processor CS_OFFL_SIR_JORP_2_2000214T09134_2000214T09134_000014T091490_0001 Processor CS_OFFL_SIR_JORP_2_2000214T09134_2000214T09134_000014T091490_0001 Processor CS_OFFL_SIR_JORP_2_2000214T09134_000014T091490_0001 Processor CS_OFFL_SIR_JORP_2_2000214T09134_0000214T09130_0001 Processor CS_OFFL_SIR_JORP_2_2000214T09134_0000214T0913_0001 Processor CS_OFFL_SIR_JORP_2_2000214T10455_2000214T10513_0001 OCOG Alletter Progs SIRLS SVIT CS_OFFL_SIR_JORP_2_2000214T10455_2000214T11913_0001 OCOG Alletter Progs SIRLS SVIT CS_OFFL_SIR_JORP_2_2000214T10455_2000214T11913_0001 OCOG Alletter Progs SIRLS SVIT CS_OFFL_SIR_JORP_2_2000214T10455_2000214T112207 OCOG Alletter Progs SIRLS SVIT CS_OFFL_SIR_JORP_2_2000214T10251_2000214T12207 OCOG Alletter Progs SIRLS SVIT CS_OFFL_SIR_JORP_2_20000214T10251_2000214T112207 OCOG Alletter Prog	CS_OFFL_SIR_IOPR_2_202002141090150_202002141090513_C001 OCOG Backscatter Quality more r CS_OFFL_SIR_IOPR_2_20200214T090851_20200214T091334_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The O and th set for CS_OFFL_SIR_IOPR_2_20200214T091334_20200214T091456_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The O and th set for CS_OFFL_SIR_IOPR_2_20200214T091538_20200214T091601_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	Precords. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags the OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags the OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.			
B3_0FFL_SIR_JOPR_2_20200214T090153_20200214T091534_0001 and Badacatter County PLAN, OCCA and Badacatter County PLAN, OCCA and Badacatter County PLAN, OCCA B3_0FFL_SIR_JOPR_2_20200214T091534_20200214T091691_0001 and Badacatter County PLAN, OCCA and Badacatter County PLAN, OCCA and Badacatter County PLAN, OCCA B3_0FFL_SIR_JOPR_2_20200214T091534_20200214T091691_0001 and Badacatter County PLAN, OCCA and Badacatter County PLAN, OCCA and Badacatter County PLAN, OCCA B3_0FFL_SIR_JOPR_2_20200214T191552_20200214T191613_0001 OCCG Allineter Range and Backacatter County PLAN, OCCA and Badacatter County PLAN, OCCA B3_0FFL_SIR_JOPR_2_20200214T19253_20200214T19213_0001 OCCG Allineter Range and Backacatter County PLaN, OCCA and Badacatter County PLAN, OCCA B3_0FFL_SIR_JOPR_2_20200214T19250_20200214T19210_0001 OCCG Allineter Range County PLAN, OCCA and Badacatter County PLAN, OCCA B3_0FFL_SIR_JOPR_2_20200214T19250_2020214T19230_2001 OCCG Allineter Range County PLAN, OCCA and Badacatter County PLAN, OCCA B3_0FFL_SIR_JOPR_2_20200214T19250_200014T19250_20001 OCCG Allineter Range County PLAN, OCCA and Badacatter County PLAN, OCCA B3_0FFL_SIR_JOPR_2_20200214T19250_200014T19250_20001 OCCG Allineter Range County PLAN, OCCA and Backacatter County PLAN, OCCA B3_0FFL_SIR_JOPR_2_20200214T19250_200014T19250_20001 OCCG Allineter Range County PLAN, OCCA and Backacatter Cou	CS_OFFL_SIR_IOPR_2_20200214T090851_20200214T091334_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and that set for Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The O and that set for Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The O and that set for Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	the OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags the OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.			
B3, DFFL_SIR_JOPR_2_20200214T091334_20200214T091456_0001 and Backatter Cuality FLMA. OCCO. The Description of the Descripti	CS_OFFL_SIR_IOPR_2_20200214T091334_20200214T091456_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG	the OCOG Altimeter Range and Backscatter Quality Flags have been or one or more records.			
GS_OFFL_SIR_JOPR_2_2020214T109158_20200214T1091601_0001 and Backscatter Quality PLRM_COM_ PLRM Image and Backscatter Quality PLRM_COM_ PLRM The Quality Alternater Range, SMA, SWA and Backscatter Quality Flags have been ast for one or more records. GS_OFFL_SIR_JOPR_2_20200214T110581_20200214T111913_COMI OCCG Altimeter Range and Backscatter Quality Flags have been ast for one or more records. The Occan Altimeter Range, SMA, SWA and Backscatter Quality Flags have been ast for one or more records. GS_OFFL_SIR_JOPR_2_20200214T111508_20200214T111913_COMI OCCG Altimeter Range Quality PLRM, COM The Occan Altimeter Range and Backscatter Quality Flags have been ast for one or more records. GS_OFFL_SIR_JOPR_2_20200214T1122614_20200214T1122619_COMI OCCG Altimeter Range Quality PLRM, COM The Occan Altimeter Range SMA, SWH and Backscatter Quality Flags have been ast for one or more records. GS_OFFL_SIR_JOPR_2_20200214T122614_20200214T122619_COMI OCCG Altimeter Range Cuality PLRM, COM The Occan Altimeter Range SMA, SWH and Backscatter Quality Flags have been ast for one or more records. GS_OFFL_SIR_JOPR_2_20200214T122614_20200214T122619_COMI OCCG Altimeter Range Cuality PLRM, COM The Occan Altimeter Range SMA, SWH and Backscatter Quality Flags have been ast for one or more records. GS_OFFL_SIR_JOPR_2_20200214T122614_20200214T1122614_2000014T1122614_2000014T1122614_2000014T1122614_2000014T1122614_2000014T1122614_2000014T1122614_2000014T1122614_2000014T1122614_2000014T1122614_2000014T1122614_2000014T1122614_2000014T1122614_2000014T1122614_20000014T112261411226140_2000014T1122614_2000014T1122614_2000014T112	CS_OFFL_SIR_IOPR_2_20200214T091538_20200214T091601_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range SSHA_SWH				
CS_OFFL_SIR_IOPR_2_20200214T105213_C001 mrd Backscatter Quality PLRN_GOOD mrd Backscatter Quality PLRN_GOOD CS_OFFL_SIR_IOPR_2_20200214T110562_20200214T1105213_C001 COCO Allmeter Rango Quality PLRN_GOOD mrd Backscatter Quality PLRN_GOOD CS_OFFL_SIR_IOPR_2_20200214T112570_20200214T112807_C001 COCO Allmeter Rango Quality PLRN_GOOD mrd Backscatter Quality PLRN_GOOD CS_OFFL_SIR_IOPR_2_20200214T123614_20200214T12381_C001 COCOA Allmeter Rango SNA_WIN and Backscatter Quality PLRN_GOOD CS_OFFL_SIR_IOPR_2_20200214T123814_20200214T12381_C001 COCOA Allmeter Rango SNA_WIN and Backscatter Quality PLRN_GOOD CS_OFFL_SIR_IOPR_2_20200214T12381_C001 COCOA Allmeter Rango SNA_WIN and Backscatter Quality PLRN_GOOD CS_OFFL_SIR_IOPR_2_20200214T12384_20200214T12381_C001 COCOA Allmeter Rango SNA_WIN and Backscatter Quality PLRN_GOOD CS_OFFL_SIR_IOPR_2_20200214T132642_C0200214T132847_C001 COCOA Allmeter Rango SNA_WIN and Backscatter Quality PLRN_GOOD CS_OFFL_SIR_IOPR_2_20200214T132647_C001 COCOA Allmeter Rango SNA_WIN and Backscatter Quality PLRN_GOOD CS_OFFL_SIR_IOPR_2_20200214T132647_C001 COCOA Allmeter Rango SNA_WIN and Backscatter Quality PLRN_GOOD CS_OFFL_SIR_IOPR_2_20200214T132647_C001 COCOA Allmeter Rango SNA_WIN and Backscatter Quality PLRN_GOOD CS_OFFL_SIR_IOPR_2_20200214T132647_C001 COCOA Allmeter Rango SNA_WIN and Backscatter Quality FLRN_GOOD CS_OFFL_SIR_IOPR_2_20200214T132	Ocean Altimeter Range SSHA SWH	the OCOG Altimeter Range and Backscatter Quality Flags have been			
OCTL_SIN_UPR_2_20200214T12207_0001 OCOG Backscatter Quality more records. CS_OFFL_SIR_JOPR_2_20200214T122074_20200214T122807_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have beer after one or more records. CS_OFFL_SIR_JOPR_2_20200214T123014_20200214T123014_20200214T123014_20200214T123014_20200214T123014_20200214T123014_20200214T123014_20200214T123014_20200214T123014_00000 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have beer after one or more records. CS_OFFL_SIR_JOPR_2_20200214T123014_20200214T123031_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have beer after one or more records. CS_OFFL_SIR_JOPR_2_20200214T131458_20200214T135247_0001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPR_2_20200214T135247_0001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPR_2_20200214T135247_0001 OCOG Batmeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPR_2_20200214T141247_0001 OCOG Batmeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPR_2_20200214T154265_20200214T154265_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPR_2_20200214T154265_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPR_2_20200214T15426	CS_OFFL_SIR_IOPR_2_20200214T104656_20200214T105213_C001 and Backscatter Quality PLRM, OCOG and th Altimeter Range and Backscatter Quality est for	the OCOG Altimeter Range and Backscatter Quality Flags have been			
CS_OFFL_SIR_IOPR_2_20200214T122614_20200214T122807_0001 and Backscatter Quality PLRM_OCCOD Attimeter Range ASHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T131548_20200214T131548_C001 OCCOA Attimeter Range SHA, SWH and Backscatter Quality PLRM_OCCOD Attimeter Range ASHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T135212_20200214T135247_C001 OCCOA Attimeter Range ASHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T154255_20200214T154256_20200214T154256_20200214T154256_20200214T154256_20200214T154256_20200214T154257_2001 OCCOA Attimeter Range ASHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T154256_20200214T154256_20200214T154256_20200214T154256_20200214T154256_20200214T154256_20200214T154256_20200214T154256_20200214T154256_20200214T154256_20200214T154256_20200214T154256_20200214T154256_20200214T1542					
CS_OFFL_SIR_IOPR_2_2020214T123514_02020214T123514_02020214T123516_CO01 and Backscatter Quality PLRM, COO Attimeter Range and Backscatter Quality Flags have beer at for one or more records. CS_OFFL_SIR_IOPR_2_2020214T123514_02020214T123514_CO01 CCOG Altimeter Range Quality PLRM, COO Backscatter Quality PLRM, COO Attimeter Range and Backscatter Quality Flags have beer at for one or more records. CS_OFFL_SIR_IOPR_2_2020214T131548_02020214T131548_CO01 CCOG Altimeter Range Quality PLRM, COO Attimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T140459_20200214T141217_CO01 CCGA Bitmeter Range, SSHA, SWH and Backscatter Quality Flags Attimeter Range and Backscatter Quality PLRM The OCGA Range and Backscatter Quality Flags and the OCGA Attimeter Range and Backscatter Quality PLRM The OCGA Range and Backscatter Quality Flags and the OCGA Attimeter Range and Backscatter Quality PLRM The OCGA Range and Backscatter Quality Flags and the OCGA Attimeter Range and Backscatter Quality PLRM The OCGA Range and Backscatter Quality Flags and the OCGA Attimeter Range and Backscatter Quality PLRM The OCGA Range and Backscatter Quality Flags and the OCGA Attimeter Range and	CS_OFFL_SIR_IOPR_2_20200214T122704_20200214T122807_C001 and Backscatter Quality PLRM, OCOG and th Altimeter Range and Backscatter Quality per for	the OCOG Altimeter Range and Backscatter Quality Flags have been			
CS_OFFL_SIR_IOPR_2_202002141123948_20200214T131548_C001 OCGG Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_20200214T131458_20200214T131548_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality The OCean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200214T135212_20200214T135247_C001 OCGG Altimeter Range Quality The OCGG Range and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200214T140459_20200214T141217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200214T140459_20200214T141217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200214T154255_20200214T154435_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200214T15425_20200214T154435_C001 Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality </td <td>CS_OFFL_SIR_IOPR_2_20200214T123514_20200214T123618_C001 and Backscatter Quality PLRM, OCOG and th Altimeter Range and Backscatter Quality est for</td> <td>he OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_IOPR_2_20200214T123514_20200214T123618_C001 and Backscatter Quality PLRM, OCOG and th Altimeter Range and Backscatter Quality est for	he OCOG Altimeter Range and Backscatter Quality Flags have been			
CS_OFFL_SIR_IOPR_2_20200214T131458_20200214T131458_C001 and Backscatter Quality PLRM, QCOG and Backscatter Quality PLRM, QCOG CS_OFFL_SIR_IOPR_2_20200214T135212_20200214T135247_C001 OCOG Allimeter Range and Backscatter Quality PLRM, OCOG The OCOG Allimeter Range and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_IOPR_2_20200214T140459_20200214T141217_C001 OCOG Allimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The OCOG Allimeter Range, and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_IOPR_2_20200214T154255_20200214T154255_20200214T154435_C001 Ocean Allimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG The OCog Alimeter Range and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags. CS_OFFL_SIR_IOPR_2_20200214T154255_20200214T154435_C001 Ocean Altimeter Range and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags. The Ocean Altimeter Range and Backscatter Quality Flags and Backscatter Q					
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CS_OFFL_SIR_IOPR_2_20200214T140459_20200214T141217_C001 and Backscatter Quality PLRM, OCOG and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_IOPR_2_20200214T154255_20200214T154435_C001 Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_IOPR_2_20200214T154447_20200214T154435_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_IOPR_2_20200214T154447_20200214T154700_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Milmeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_IOPR_2_20200214T154447_20200214T154700_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_IOPR_2_20200214T154708_20200214T155247_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_IOPR_2_20200214T163337_20200214T163500_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, INTHIMIDER Cocean Altimeter Range, SSHA, SWH <					
CS_OFFL_SIR_IOPR_2_20200214T154255_20200214T154435_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and	CS_OFFL_SIR_IOPR_2_20200214T140459_20200214T141217_C001 and Backscatter Quality PLRM, OCOG and th Altimeter Range and Backscatter Quality est for	the OCOG Altimeter Range and Backscatter Quality Flags have been			
CS_OFFL_SIR_IOPR_2_20200214T154447_20200214T154700_C001 and Backscatter Quality PLRM, OCOG Interfer Range, SSHA, SWH and Backscatter Quality Flags have beer set for one or more records. CS_OFFL_SIR_IOPR_2_20200214T154708_20200214T155247_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatt	CS_OFFL_SIR_IOPR_2_20200214T154255_20200214T154435_C001 and Backscatter Quality PLRM, OCOG and th Altimeter Range and Backscatter Quality leaf for	he OCOG Altimeter Range and Backscatter Quality Flags have been			
CS_OFFL_SIR_IOPR_2_20200214T154708_20200214T155247_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20200214T163337_20200214T163500_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags had Backscatter Quality Flags the Ocean Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags the Ocean Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags the Ocean Altimeter Range and Backscatter Quality F	CS_OFFL_SIR_IOPR_2_20200214T154447_20200214T154700_C001 and Backscatter Quality PLRM, OCOG and th Altimeter Range and Backscatter Quality est for	the OCOG Altimeter Range and Backscatter Quality Flags have been			
CS_OFFL_SIR_IOPR_2_20200214T163337_20200214T163500_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality 	CS_OFFL_SIR_IOPR_2_20200214T154708_20200214T155247_C001 and Backscatter Quality PLRM, OCOG and th Altimeter Range and Backscatter Quality est for	he OCOG Altimeter Range and Backscatter Quality Flags have been			
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: 196	CS_OFFL_SIR_IOPR_2_20200214T163337_20200214T163500_C001 and Backscatter Quality PLRM, OCOG and th Altimeter Range and Backscatter Quality est for	he OCOG Altimeter Range and Backscatter Quality Flags have been			
 > 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: 196 	L2 Quality Flags (1 Hz & 1Hz PLRM)				
Number of products with errors: 196	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.				
E & L 2 Ossen Betracking Quality Check	Number of products with errors: 196				
	5.8 L2 Ocean Retracking Quality Check				

L2 Retracking Flags (20Hz)

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

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

Number of products with errors:

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

55

146

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

0

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

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220200214T000703_20200214T005639_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_20200214T005639_20200214T014616_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_220200214T014616_20200214T023553_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_220200214T023553_20200214T032530_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_220200214T032530_20200214T041507_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_20200214T041507_20200214T050444_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_20200214T050444_20200214T055420_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_220200214T055420_20200214T064357_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_20200214T064357_20200214T073334_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_20200214T073334_20200214T082311_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_220200214T082311_20200214T091247_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_20200214T091247_20200214T100224_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_220200214T100224_20200214T105201_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_220200214T105201_20200214T114138_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20200214T114138_20200214T123114_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_20200214T123114_20200214T132051_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_20200214T132051_20200214T141028_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_20200214T141028_20200214T150005_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_20200214T150005_20200214T154942_C001	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_20200214T154942_20200214T163919_C001	Mean Sea Surrace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (EES) Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20200214T163919_20200214T172855_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_20200214T172855_20200214T181832_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_20200214T181832_20200214T190809_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_220200214T190809_20200214T195746_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_20200214T195746_20200214T204722_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20200214T204722_20200214T213659_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

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CS_OFFL_SIR_IOP_220200214T213659_20200	0214T222636_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_220200214T222636_2020	0214T231613_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_220200214T231613_2020	0215T000549_C002	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		
6.5 P2P Measurement Confidence	Data Check				
CryoSat P2P data includes a measurement confide	nce flag for each 20-Hz measur	rement record. The bit value of this flag indi	cates any problems when set.		
Number of products with errors:	0				
C.C. DOD Macaurament Quality Flag	Chaoli				
6.6 P2P Measurement Quality Flag	Check				
P2P Quality Flags (20Hz)					
CryoSat P2P data includes Quality Flags for each 2					
Since the P2P Quality Flags are copied directly		ase see Section 5.6 for the full list of pro	oducts affected.		
Number of products with errors:	30				
P2P Quality Flags (20Hz PLRM)					
Since the P2P Quality Flags are copied directly	from the L2 Quality Flags, ple	ase see Section 5.6 for the full list of pro	oducts affected.		
Number of products with errors:	mber 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, ple	ase see Section 5.6 for the full list of pro	oducts affected.		
Number of products with errors:	30				
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.					
Number of products with errors: 27					
P2P Retracking Flags PLRM CryoSat L2 data includes an ocean retracking quali	ty flag for each 20 Hz PL PM m	assurement record. The hit value of this flor	a indicatos any problems when set		
Ocean Retracking Quality Flag (PLRM): This flag					
		The and to the products over sea ICe, but the	s is in the expected.		
Number of products with errors:	30				