

# **QA4EO Daily Report for IOP data:**

12/06/2021

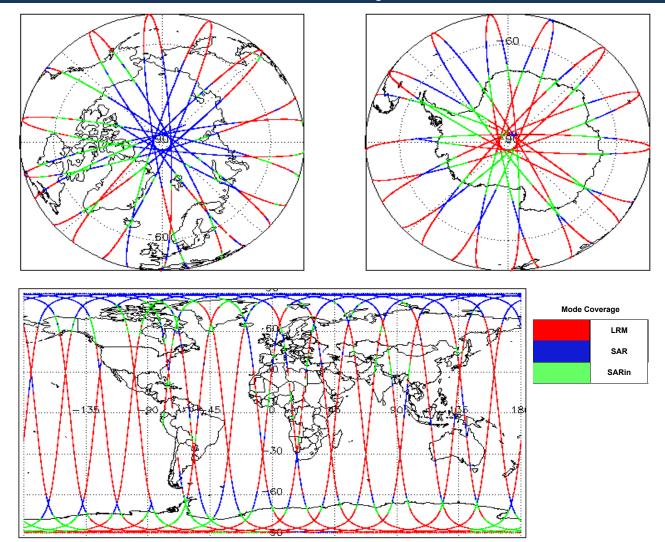
	45 km 0004	Check	L1 & L2	P2P
Report Production:	15-Jun-2021	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
FIDCESSOI USEU.	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Intermediate Ocean Products (IOP)	Product Format Check	Nominal	Nominal
Data Useu.	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.2

1. Overview

#### Mission / Instrument News 11-Jun-2021 None 12-Jun-2021 None

13-Jun-2021 Nothing planned

## 2. Global Coverage



## 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). 0

4.2 L1B Product Header Anal	ysis
For all products, a series of pre-defined che	acks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.
L1B Processing Quality HR: The I1b_pro OSARIn chains. A modification is required	c_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 in the next release.
Number of products with errors:	0
4.3 L1B Auxilary Data File Us	age Check
Each product is checked for missing Data S	Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.
Number of products with errors:	0
4.4 L1B Auxiliary Correction	Error Check
CryoSat L1B data includes a correction erro	or flag for each measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:	0
4.5 L1B Measurement Confid	ence Data Check
CryoSat L1B data includes a measurement	confidence flag for each measurement record. The bit value of this flag indicates any problems when set.
Attitude Correction Missing: This flag is a	currently set in error for IOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20210612T042256_20210612T042300_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

## 4.6 L1B Waveform Group Data Check

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20210612T002647_20210612T002926_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210612T170649_20210612T170757_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210612T171503_20210612T171554_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210612T223026_20210612T223107_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210612T224553_20210612T230049_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20210612T233428_20210612T234648_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210612T000048_20210612T000559_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210612T122852_20210612T123120_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210612T194457_20210612T194911_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210612T203421_20210612T203822_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210612T221041_20210612T221222_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20210612T235422_20210612T235635_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T000915_20210612T001155_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T022513_20210612T023353_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T040207_20210612T040946_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T071948_20210612T072649_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T072649_20210612T072839_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T104355_20210612T104556_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T122205_20210612T122527_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T135733_20210612T140440_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T153943_20210612T154509_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T162411_20210612T162725_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T171852_20210612T172645_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T180322_20210612T180714_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T182449_20210612T182722_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T185707_20210612T190633_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T234648_20210612T234737_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20210612T235329_20210612T235422_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. IOP Level 2 Data Quality Check

### 5.1 L2 Product Format Check

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

### 5.2 L2 Product Header Analysis

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

### 5.3 L2 Auxiliary Data File Usage Check

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

## 5.4 L2 Auxiliary Correction Error Check

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

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

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

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

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

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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_20210612T170649_20210612T170757_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPM_2_20210612T171503_20210612T171554_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_20210612T000048_20210612T000559_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_20210612T004231_20210612T004650_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_20210612T013124_20210612T013359_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_20210612T014025_20210612T014335_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_20210612T022125_20210612T022513_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_20210612T032112_20210612T032230_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_20210612T035625_20210612T040207_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_20210612T063023_20210612T063149_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_20210612T063710_20210612T064017_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_20210612T081007_20210612T081236_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_20210612T081610_20210612T081944_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_20210612T095048_20210612T095323_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_20210612T104557_20210612T104717_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_20210612T112619_20210612T113210_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_20210612T122022_20210612T122124_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_20210612T122527_20210612T122738_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_20210612T130815_20210612T130957_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_20210612T131838_20210612T132043_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_20210612T162725_20210612T163120_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20210612T180714_20210612T181027_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_20210612T194457_20210612T194911_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_20210612T195445_20210612T195610_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_20210612T203421_20210612T203822_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_20210612T213234_20210612T213418_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_20210612T221625_20210612T221719_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_20210612T231030_20210612T231249_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_20210612T235422_20210612T235635_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_IOPR_2_20210612T004650_20210612T005408_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_20210612T022513_20210612T023353_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_20210612T040207_20210612T040946_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_20210612T054141_20210612T054749_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_20210612T054749_20210612T055102_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_20210612T071948_20210612T072649_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_20210612T072649_20210612T072839_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_20210612T090111_20210612T090547_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_20210612T090547_20210612T090724_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_20210612T103849_20210612T104355_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_20210612T104355_20210612T104556_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_20210612T122124_20210612T122205_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_20210612T122205_20210612T122527_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_20210612T135709_20210612T135733_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPR_2_20210612T135733_20210612T140440_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_20210612T153943_20210612T154509_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_20210612T170757_20210612T170947_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_20210612T171852_20210612T172645_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_20210612T185707_20210612T190633_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_20210612T203822_20210612T204614_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_20210612T221719_20210612T222300_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_20210612T235635_20210613T000331_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

### 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210612T042256_20210612T042300_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

## 5.6 L2 Measurement Quality Flag Check

## L2 Quality Flags (20Hz)

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

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

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

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> 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
CS_OFFL_SIR_IOPM_2_20210612T000740_20210612T000841_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20210612T002602_20210612T002637_C001	0 5	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

Description         Description         Description           0.1011_UN_DESCRIPTION         Description         Description         Description			
65,0 <sup>4</sup> ,0 <sup>4</sup> ,0 <sup>4</sup> ,0 <sup>4</sup> ,0 <sup>4</sup> ,2 <sup>4</sup> ,0	CS_OFFL_SIR_IOPM_2_20210612T002647_20210612T002926_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Call Dec. 2011, DOIL 2011 DIVIDUOD LOU         December 2011         December 2011         December 2011           C3, DFL_3RL, DOIL 2.2011 DIVIDUOD LOU         December 2011         December 2011         December 2011           C3, DFL_3RL, DOIL 2.2011 DIVIDUOD LOU         December 2011         December 2011         December 2011           C3, DFL_3RL, DOIL 2.2011 DIVIDUOD LOU         December 2011         December 2011         December 2011           C3, DFL_3RL, DOIL 2.2011 DIVIDUOD LOU         December 2011         December 2011         December 2011           C3, DFL_3RL, DOIL 2.2011 DIVIDUOD LOU         December 2011         December 2011         December 2011           C4, DFL_3RL, DOIL 2.2011 DIVIDUOD LOU         December 2011         December 2011         December 2011           C4, DFL_3RL, DOIL 2.2011 DIVIDUOD LOU         December 2011	CS_OFFL_SIR_IOPM_2_20210612T003049_20210612T003438_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
<ul> <li>CA, OFL, SIR, DAY, Z. 20191211210144. 20210012101000.001</li> <li>SIR, DAY, Z. 202100121010002.001</li> <li>SIR, DAY, Z. 202100121010002.001</li> <li>CA, OFL, SIR, DAY, Z. 20210012102002.001</li> <li>CA, OFL, SIR, DAY, Z. 20210012102012.001</li> <li>CA, OFL, SIR, DAY, Z. 20210012102012.001</li> <li>CA, OFL, SIR, DAY, Z. 20210012102012.001</li> <li>CA, OFL, SIR, DAY, Z. 20210012100112.001</li> <li>CA, OFL, SIR, DAY, Z. 202100121001012.00101</li> <li>CA, OFL, SIR, DAY, Z. 2021</li></ul>	CS_OFFL_SIR_IOPM_2_20210612T010626_20210612T010739_C001		
Cold Child Cold Cold Cold Cold Cold Cold Cold Co	CS_OFFL_SIR_IOPM_2_20210612T011414_20210612T013003_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
B3_0FH_BR_DM_2_0210017101622_0210101710004_0001       prof the DDG Attrace Range and Bascanter Calliny Flags have been and a construction of the construline of the construction of the construction of the co	CS_OFFL_SIR_IOPM_2_20210612T013359_20210612T013826_C001		
Control         Biodacater Quarty         Microacter Quarty         Mic	CS_OFFL_SIR_IOPM_2_20210612T014527_20210612T020924_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SR_UOFM_2_30210917004447_3021951705988_0001     met Badacater Cuality, OCOD     met Sudacater Cuality, OCD     met Sudacater Cuality, Fugs have been sufficient on or non records.     met Sudacater Cuality, Fugs have been sufficient on or non records.     met Sudacater Cuality, Fugs have been sufficient on or non records.     met Sudacater Cuality, Cuality, Fugs have been suffici	CS_OFFL_SIR_IOPM_2_20210612T022044_20210612T022125_C001		
US: 0FTL_SH1,0FM_2_20210912104120_20210912103142_0011       Baskscatter Quality       to de or more records.         C3:_0FFL_SH1_0FM_2_20210912103142_002108121032142_0011       COOS Afterebr Rengo Ablington Renge and Baskscatter Quality Flags have been exit and Baskscatter Quality Flags.         C3:_0FFL_SH1_0FM_2_20210912103244_202108121032142_0011       Cooran Atteretor Range. SSH4. SWH and Baskscatter Quality Flags have been exit and Baskscatter Quality Flags.         C3:_0FFL_SH1_0FM_2_20210912103244_0011       Cooran Atteretor Range. SSH4. SWH and Baskscatter Quality Flags have been exit for one runner records.         C3:_0FFL_SH1_0FM_2_20210912104204_002109121042143_0011       Cooran Atteretor Range. SSH4. SWH and Baskscatter Quality Flags have been exit for one runner records.         C3:_0FFL_SH1_0FM_2_20210912104204_002109121042143_0011       Cooran Atteretor Range. SSH4. SWH and Baskscatter Quality Flags have been exit for one runner records.         C3:_0FFL_SH1_0FM_2_20210912104400_0011       Cooran Atteretor Range. SSH4. SWH and Baskscatter Quality Flags have been exit for one runner records.         C3:_0FFL_SH1_0FM_2_20210912104400_0011       Cooran Atteretor Range. SSH4. SWH and Baskscatter Quality Flags have been exit for one runner records.         C3:_0FFL_SH1_0FM_2_20210912104404_00210911200443_0011       Cooran Atteretor Range. SSH4. SWH and Baskscatter Quality Flags have been exit for one runner records.         C3:_0FFL_SH1_0FM_2_202109121049041_202109121049017_002110       Cooran Atteretor Range. SSH4. SWH and Baskscatter Quality Flags have been exit for one runner records.         C3:_0FFL_SH1_0FM_2_20	CS_OFFL_SIR_IOPM_2_20210612T024447_20210612T030938_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OP         Description         Backscaller Quality         Tor one or more records.           CS_OFFL_SR_UOPM_2_20210612703244_20210612703514_0001         Colean Altimeter Range SHA, SVM and Backscalter Quality Flags have been Altimeter Range and Backscalter Quality Flags have been Altiterater Range and Backscalter Quality Flags have b	CS_OFFL_SIR_IOPM_2_20210612T031220_20210612T031728_C001		
C2:0.0FL_SIR_UPM_2.20210812103244_30210812103318_0011       and Boxoatter Quality Claup       and Boxoatter Quality Claup       and Boxoatter Quality Flags have been Attender Range Range Range Quality, COOD         C3:0FL_SIR_UPM_2.202108127042304_202108127042304_02108127044802_CO11       COOD Attimeter Range and Boxoatter Quality Flags have been attender Range Range Range SHA. SVH         C3:0FL_SIR_UPM_2.202108127042304_202108127044904_CO11       COOD Attimeter Range and Boxoatter Quality Flags have been attender Range R	CS_OFFL_SIR_IOPM_2_20210612T031747_20210612T032112_C001		
CB_OFFL_SIR_JOPM_2_20210512T03531_20210512T03525_0001       and Backscatter Quality, DCOG       and Backscatter Quality, DCOG         CB_OFFL_SIR_JOPM_2_20210512T04204_20210512T042148_0001       OCOG Alimeter Range Quality, OCOG       The OCOG Alimeter Range and Backscatter Quality Flags have been set for one rooms records.         CB_OFFL_SIR_JOPM_2_20210512T042304_20210512T04204_20001       OCOG Alimeter Range Quality, OCOG       The OCOG Alimeter Range and Backscatter Quality Flags have been set for one rooms records.         CB_OFFL_SIR_JOPM_2_20210512T045207_20210512T045642_0001       OCOG Alimeter Range Quality, OCOG       The OCOG Alimeter Range and Backscatter Quality Flags have been set for one room records.         CB_OFFL_SIR_JOPM_2_20210512T045645_0001       OCOG Alimeter Range Quality, OCOG       The OCOG Alimeter Range and Backscatter Quality Flags have been set for one room records.         CB_OFFL_SIR_JOPM_2_20210512T045645_0201001       OCOG Alimeter Range Quality, OCOG       The OCOG Alimeter Range and Backscatter Quality Flags have been set for one room records.         CB_OFFL_SIR_JOPM_2_20210512T055041_020105757_OD01       OCOG Alimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one room records.       The OCOG Alimeter Range and Backscatter Quality Flags have been set for one room records.         CB_OFFL_SIR_JOPM_2_20210512T055102_20011       Ocean Alimeter Range.SSHA, SWH and Backscatter Quality Flags have been set for one room records.       The OCOG Alimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one room records.         CB_OFFL_SIR_JOPM_2_20210512T055102_200101 </td <td>CS_OFFL_SIR_IOPM_2_20210612T032444_20210612T035148_C001</td> <td>and Backscatter Quality, OCOG</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_IOPM_2_20210612T032444_20210612T035148_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Displant         Control         Call Ministration         For one or more records.           CS_OFFL_SIR_JOPM_2_20210612T042304_20210012T044902_C001         Cocan Alimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_JOPM_2_20210612T045204_20210012T045402_C001         Cocan Alimeter Range Quality, OCOG Alimeter Range and Backscatter Quality         The OCOG Alimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_JOPM_2_20210612T045645_20210012T050019_C001         COCG Alimeter Range Quality, OCOG Backscatter Quality         The OCOG Alimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_JOPM_2_20210612T05645_20210012T05019_C001         CoCGA Alimeter Range Quality, OCOG Alimeter Range and Backscatter Quality         The OCOG Alimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_JOPM_2_20210612T050102_T005775_C001         Cocan Alimeter Range, SSHA, SVH and Backscatter Quality Flags have been and the OCOG Alimeter Range, SSHA, SVH and Backscatter Quality Flags have been and the OCOG Alimeter Range, SSHA, SVH and Backscatter Quality Flags have been and the OCOG Alimeter Range, SSHA, SVH and Backscatter Quality Flags and the OCOG Alimeter Range, SSHA, SVH and Backscatter Quality Flags and the OCOG Alimeter Range, SSHA, SVH and Backscatter Quality Flags and the OCOG Alimeter Range, SSHA, SVH and Backscatter Quality Flags and the OCOG Alimeter Range, SSHA, SVH and Backscatter Quality Flags and the OCOG Alimeter Range, SSHA, SVH and Backscatter Quality Flags and the OCOG Alimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20210612T035313_20210612T035625_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_JOPM_2.20210612T042304_20210612T044602_C001       and Backscatter Quality, COCG       and the dackscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_JOPM_2.20210612T045207_20210612T045643_C001       OCCG Altimeter Range and Backscatter Quality, COCG       The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_JOPM_2.20210612T045645_20210612T050019_C001       OCCG Altimeter Range, SHA, SWH       The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_JOPM_2.20210612T050411_20210612T053757_C001       OCCGA Altimeter Range, SHA, SWH       The OCCG Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_JOPM_2.20210612T05041_20210612T055757_C001       Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range. SHA, SWH and Backscatter Quality Flags have been Altimeter Range. SHA, SWH and Backscatter Quality Flags have been Altimeter Range. SHA, SWH and Backscatter Quality Flags have been Altimeter Range. SHA, SWH and Backscatter Quality Flags have been Altimeter Range. SHA, SWH and Backscatter Quality Flags have been Altimeter Range. SHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_JOPM_2.20210612T062145_20210612T062759_C001       Ocean Altimeter Range. SHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_JOPM_2.20210612T0762145_20210612T076521_C001       OCCGA Altimeter Range. SHA, SWH and Backscatter Quality Flags have been set for o	CS_OFFL_SIR_IOPM_2_20210612T042004_20210612T042148_C001		
OS_OFFE_SIR_IOPM_2_20210612T06204_0012T063019_0001         Backscatter Quality         for one or more records.           CS_OFFE_SIR_IOPM_2_20210612T065645_20210612T050019_0001         OCOG Altimeter Range Quality, OCOG Backscatter Quality         The OCoG Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_IOPM_2_20210612T050441_20210612T053757_C001         Ocean Altimeter Range, SNA, SWH and Backscatter Quality, OCOG Altimeter Range, SNA, SWH and Backscatter Quality, OCOG Altimeter Range, SNA, SWH         The Ocean Altimeter Range, SNA, SWH and Backscatter Quality, OCOG Altimeter Range, SNA, SWH           CS_OFFL_SIR_IOPM_2_20210612T052102_0210612T05202_0001         Ocean Altimeter Range, SNA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been and the OCOG Altimeter Range and Backscatter Quality, Flags and the OCOG Altimeter Range and Backscatter Quality, Flags have been and the OCOG Altimeter Range and Backscatter Quality, Flags have been and the OCOG Altimeter Range and Backscatter Quality, Flags have been and the OCOG Altimeter Range and Backscatter Quality, Flags have been and the OCOG Altimeter Range and Backscatter Quality, Flags and the OCOG Altimeter Range and Backscatter Quality, Flags have been and Backscatter Quality, COGG Altimeter Range, SHA, SWH and Backscatter Quality, COGG Altimeter Range, and Backscatter Quality, Flags have been and the OCOG Altimeter Range, SHA, SWH and Backscatter Quality, Flags have been and the OCOG Altimeter Range, SHA, SWH and Backscatter Quality, Flags and the OCOG Altimeter Range, SHA, SWH and Backscatter Quality, Flags have b	CS_OFFL_SIR_IOPM_2_20210612T042304_20210612T044902_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210612T050441_20210612T0503757_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T050441_20210612T053757_C001       Onean Altimeter Range. SSHA, SWH and Backscatter Quality Flags and Backscatter Quality       The Ocean Altimeter Range. SSHA, SWH and Backscatter Quality Flags and Backscatter Quality         CS_OFFL_SIR_IOPM_2_20210612T055102_20210612T055202_C001       Ocean Altimeter Range. SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T062145_20210612T063709_C001       OCean Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T064401_20210612T070521_C001       OCean Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T070621_C001       OCean Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T070521_C001       Ocean Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T070521_C001       Ocean Altimeter Range.SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IO	CS_OFFL_SIR_IOPM_2_20210612T045207_20210612T045643_C001		
CS_OFFL_SIR_IOPM_2_20210612T050441_20210612T05575_001       and Backscatter Quality Set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T055102_20210612T055202_001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T052145_20210612T062759_001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality COG Altimeter Range and Backscatter Quality Flags have been at for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T062145_20210612T062759_001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T063149_20210612T06579_001       Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T063149_20210612T00521_001       Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T0708401_20210612T075321_001       Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T070806_20210612T071829_001       Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T074926_20210612T074926_00106220010       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T074926_0210612T07559_0210612T07559_0210612T07559_0210612T07559_0210612T07559_0210612T07	CS_OFFL_SIR_IOPM_2_20210612T045645_20210612T050019_C001		
CS_OFFL_SIR_IOPM_2_20210612T055102_0210612T05202_C001       and Backscatter Quality, COGG       and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T062145_20210612T062759_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and	CS_OFFL_SIR_IOPM_2_20210612T050441_20210612T053757_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210612T062145_20210612T062759_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T063149_20210612T063709_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_20210612T064401_20210612T070521_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH         CS_OFFL_SIR_IOPM_2_20210612T070806_20210612T071829_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH an	CS_OFFL_SIR_IOPM_2_20210612T055102_20210612T055202_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_202106121063149_202106121063109_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T064401_20210612T070521_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, 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, OCOG Altimeter Range and Backscatter Quality, OCOG Alt	CS_OFFL_SIR_IOPM_2_20210612T062145_20210612T062759_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210612T064401_20210612T070521_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG       and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH         CS_OFFL_SIR_IOPM_2_20210612T072910_20210612T07339_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, SCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, SCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quali	CS_OFFL_SIR_IOPM_2_20210612T063149_20210612T063709_C001		
CS_OFFL_SIR_IOPM_2_20210612T070806_20210612T071829_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, 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 hand Backscatter Quality, OCOG Altimeter Range and Bac	CS_OFFL_SIR_IOPM_2_20210612T064401_20210612T070521_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210612T072910_20210612T073339_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand Backscatter Qualityand Backscatter QualityCS_OFFL_SIR_IOPM_2_20210612T074926_20210612T075412_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter R	CS_OFFL_SIR_IOPM_2_20210612T070806_20210612T071829_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210612T074926_20210612T075412_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hand Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags hand Backscatter Quality         CS_OFFL_SIR_IOPM_2_20210612T082322_20210612T082810_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH	CS_OFFL_SIR_IOPM_2_20210612T072910_20210612T073339_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210612T075559_20210612T080627_C001       and Backscatter Quality, OCOG       and the OCOG Altimeter Range and Backscatter Quality Flags have been         Altimeter Range and Backscatter Quality, OCOG       and the OCOG Altimeter Range and Backscatter Quality       set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T082322_20210612T082810_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been       The Ocean Altimeter Range and Backscatter Quality Flags have been         Altimeter Range and Backscatter Quality, OCOG       Ocean Altimeter Range and Backscatter Quality, OCOG       The Ocean Altimeter Range and Backscatter Quality Flags have been         Ocean Altimeter Range and Backscatter Quality, OCOG       Ocean Altimeter Range and Backscatter Quality, OCOG       The Ocean Altimeter Range and Backscatter Quality Flags have been         Ocean Altimeter Range, SSHA, SWH       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_IOPM_2_20210612T074926_20210612T075412_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210612T082322_20210612T082810_C001       and Backscatter Quality, OCOG       and the OCOG Altimeter Range and Backscatter Quality set for one or more records.         Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_IOPM_2_20210612T075559_20210612T080627_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPM_2_20210612T082322_20210612T082810_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_202106121082819_202106121085943_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records.	CS_OFFL_SIR_IOPM_2_20210612T082819_20210612T085943_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20210612T091230_20210612T091947_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_20210612T091953_20210612T094348_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_20210612T095323_20210612T095517_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_20210612T095806_20210612T095953_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_20210612T100247_20210612T100809_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_20210612T101730_20210612T101941_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_20210612T102421_20210612T103050_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_20210612T103251_20210612T103849_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_20210612T104717_20210612T105136_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_20210612T105305_20210612T105839_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_20210612T105905_20210612T110821_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_20210612T111441_20210612T112548_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_20210612T113503_20210612T113927_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_20210612T114211_20210612T114816_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_20210612T114912_20210612T115610_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_20210612T115917_20210612T121250_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_20210612T123924_20210612T124149_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_20210612T124312_20210612T124757_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_20210612T130957_20210612T131838_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_20210612T132131_20210612T134329_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_20210612T141151_20210612T142055_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_20210612T142227_20210612T144540_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_20210612T145202_20210612T145634_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_20210612T150105_20210612T152459_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_20210612T155750_20210612T162411_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_20210612T163120_20210612T163712_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_20210612T163935_20210612T170556_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.

Col. DHL LIR. 109/N 2. 2019(12111922). 2019(12111922). COIL         Case Affres Fage 26 Sets 2019 Affres Fage 26 S	CS_OFFL_SIR_IOPM_2_20210612T171613_20210612T171723_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.
Operation         Description         Description         Description           C2         OPEL_SR_LOWL 2_2010017101100_20101017101200         Operation         Description         Description </td <td>CS_OFFL_SIR_IOPM_2_20210612T172939_20210612T180322_C001</td> <td>and Backscatter Quality, OCOG</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_IOPM_2_20210612T172939_20210612T180322_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
<ul> <li>Cit, GHL, SHL, DAW, Z. 2021091271103191, 2022109127110301, 2001</li> <li>Cit, GHL, SHL, DAW, Z. 202109127103191, 20210912710301, 2001</li> <li>Cit, GHL, SHL, DAW, Z. 20210912710301, 20210912710301, 2001</li> <li>Cit, GHL, SHL, DAW, Z. 20210912710301, 20210912710300, 2001</li> <li>Cit, GHL, SHL, DAW, Z. 20210912710301, 20210912710300, 2001</li> <li>Cit, GHL, SHL, DAW, Z. 20210912710301, 20210912710300, 2001</li> <li>Cit, GHL, GHL, DAW, Z. 20210912710300, 2001</li> <li>Cit, GHL, GHL, DAW, Z. 20210912710300, 2001</li> <li>Cit, GHL, GHL, DAW, Z. 20210912710300, 2001</li> <li>Cit, GHL, GHL, GHL, DAW, Z. 20210912710300, 2001</li> <li>Cit, GHL, GHL, GHL, GHL, GHL, GHL, GHL, GHL</li></ul>	CS_OFFL_SIR_IOPM_2_20210612T181027_20210612T181544_C001		
BIL_DPFL_BIL_OPFL_2.201801716233_2010617718213_001         av BitAccattul Guily, DODD         av BitAccattul Guily, DODD           BIL_DPFL_BIL_OPFL_2.201801716233_2010617718214_001         Cess Altheris Keys SIA, SW at Gale Accattul Guily, They was being and backattur Guily, They was been and they guily and backattur Guily, They was been and they guily and backattur Guily, They was been and they guily and backattur Guily, They was been and they guily and backattur Guily, They was been and they guily and backattur Guily, They was been and they guily and backattur Gu	CS_OFFL_SIR_IOPM_2_20210612T181910_20210612T182026_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CEOFT_URLOW_2_2021081710731_0210157110830_0001       wird the ODG Attends Runge and Beauchter Coulty Flags Interview inter Runge and Beauchter Coulty Flags Interview I	CS_OFFL_SIR_IOPM_2_20210612T185313_20210612T185707_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_UPH_LSR_UPH_2_D0110171112116_10210117112116_000         mit Holdsachter Duality, CODD         mit Holdsachter Duality, CODD         mit Holdsachter Duality, CODD           CB_UPH_LSR_UPH_2_D02106171102007_D0110111121000_C0DD         CDDO Althrefe Range SS14, SVH         The Over Althrefe Range, SSHA, SVH and Dakesetter Duality Flags have been set by the origon or terestic.           CB_UPH_LSR_UPH_2_D02106171102007_D01101         Cover Althrefe Range, SSHA, SVH and Dakesetter Duality Flags have been set by the origon or terestic.         The Over Althrefe Range, SSHA, SVH and Dakesetter Duality Flags have been set by the origon or terestic.           CB_UPH_LSR_UPH_2_D02106171102007_D01101         Cover Althrefe Range, SSHA, SVH and Dakesetter Duality Flags have been set by the origon or terestic.         The Over Althrefe Range, SSHA, SVH and Dakesetter Duality Flags have been set by the origon or terestic.           CB_UPH_LSR_UPH_2_D02106171201683_202106171202614         CDDen Althrefe Range, SSHA, SVH and Dakesetter Duality Flags have been set by the origon or terestic.         The Over Althrefe Range, SSHA, SVH and Dakesetter Duality Flags have been set by the origon or terestic.           CB_UPH_LSR_UPH_2_D021061712701683_202106171270169_C001         Cover Althrefe Range, SSHA, SVH and Dakesetter Duality Flags have been set by the origon or terestic.         The Cover Althrefe Range, SSHA, SVH and Dakesetter Duality Flags have been set by the origon or terestic.           CB_UPH_LSR_UPH_2_D0210617127169_C001         Cover Althrefe Range, SSHA, SVH and Dakesetter Duality Flags have been set by the origon or terestic.         The Cover Althrefe Range, SSHA, SVH and Dakesetter Duality Flags have b	CS_OFFL_SIR_IOPM_2_20210612T190733_20210612T191830_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Control         Excent frame         Encoded           Control         Excent frame         Excent fr	CS_OFFL_SIR_IOPM_2_20210612T192116_20210612T194234_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
<ul> <li>C5. 0FTL_SIR_UDFM_2.202109127109827_02019121200952_0201</li> <li>and Bioscatter Quality, C000 Amount Regr and Bioscatter Quality, Flags Inne been set for ore innore records.</li> <li>C5. OFTL, SIR, IOPM 2, 202109127216011, 202109127212128, C001</li> <li>C50, OFTL, SIR, IOPM 2, 202109127216011, 2021091272121041, C001</li> <li>C50, OFTL, SIR, IOPM 2, 202109127214051, 2021091272121041, C001</li> <li>C50, OFTL, SIR, IOPM 2, 202109127221041, 202109127221041, C001</li> <li>C50, OFTL, SIR, IOPM 2, 202109127221041, 202109127221041, C001</li> <li>C50, OFTL, SIR, IOPM 2, 202109127221041, 202109127221042, C0010127221042, C0010</li></ul>	CS_OFFL_SIR_IOPM_2_20210612T194911_20210612T195030_C001		
CS_OFFL_SIR_UPRU_2_02108177201140_01077201160_0001         and Backszetter Quality Codd         and Backszetter Quality Codd           CS_OFFL_SIR_UPRU_2_02108177201362_012109177201362_0101077201362_0001         Cen withreet Range and Backszetter Quality Codd         The OCOG Altereter Range and Backszetter Quality Flags have been Altereter Range and Backszetter Quality Flags have been Altereter Range and Backszetter Quality Codd           CS_OFFL_SIR_UPRU_2_020108177201362_012016172121282_0001         COG Altereter Range and Backszetter Quality Flags have been Altereter Rang	CS_OFFL_SIR_IOPM_2_20210612T195907_20210612T200952_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CBDFRL_SIR_UPM_2_20210817720158_022106177202514_001       and Backstatter Quality Code Althoreter Range and Backstatter Quality Flags Name been Althoreter Range and Backstatter Quality Flags Name been Althoreter Range and Backstatter Quality Flags Name been Althoreter Range and Backstatter Quality Flags Name been set for one or more records.         CS_OFFL_SIR_UPM_2_202108177204614_002106177212128_CO01       CODE Althoreter Range and Backstatter Quality Flags Name been set for one or more records.         CS_OFFL_SIR_UPM_2_20210817721441_00210617721218_001       CODE Althoreter Range and Backstatter Quality Althoreter Range and Backstatter Quality Plags Name been set for one or more records.         CS_OFFL_SIR_UPM_2_20210817212403_002106177221404_001       CODE Althoreter Range and Backstatter Quality Plags Name been set for one or more records.         CS_OFFL_SIR_UPM_2_20210817212403_002106177221406_001       CODE Althoreter Range and Backstatter Quality Plags Name been set for one or more records.         CS_OFFL_SIR_UPM_2_202108172721402_006177222406_001       CODE Althoreter Range and Backstatter Quality Plags Name been set for one or more records.         CS_OFFL_SIR_UPM_2_20210817722441_00210817722444_0001       CODE Althoreter Range and Backstatter Quality Plags Name been set for one or more records.         CS_OFFL_SIR_UPM_2_20210817722444_0001       CODE Althoreter Range and Backstatter Quality Plags Name been set for one or more records.         CS_OFFL_SIR_UPM_2_202108177224563_02010817720466_001       CODE Althoreter Range and Backstatter Quality Plags Name been set for one or more records.         CS_OFFL_SIR_UPM_2_202108177224563_02010817720466_001	CS_OFFL_SIR_IOPM_2_20210612T201140_20210612T201852_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_JOPM_2_20210912724914_202109127212128_0001       and Backscatter Quality, OCOS       and the COCO Allineter Range and Backscatter Quality Flags have been at Backscatter Quality, OCOS         CS_OFFL_SIR_JOPM_2_202109127212411_202109127212229_0001       OCOS Allineter Range SIA.SIMI and Backscatter Quality, Flags have been at Backscatter Quality, OCOS       The COCO Allineter Range SIA.SIMI and Backscatter Quality, Flags have been at Backscatter Quality, COCS         CS_OFFL_SIR_JOPM_2_202109127214031_20210912722102_00101       OCOS Allineter Range Quality, OCOS       The Ocos Allineter Range and Backscatter Quality, Elegs have been at Backscatter Quality, Elegs have been at Backscatter Quality, Elegs have been at Backscatter Quality, COCS       The Oces Allineter Range, SIA.SIMI and Backscatter Quality, Flags have been at Backscatter Quality, COCS         CS_OFFL_SIR_JOPM_2_20210912722401_02100127222400_0001       Ocean Allineter Range, SIA.SIMI and Backscatter Quality, Flags have been at Backscatter Quality, COCS       The Ocean Allineter Range, SIA.SIMI and Backscatter Quality, Flags have been at Backscatter Quality, COCS         CS_OFFL_SIR_JOPM_2_20210912722404_0201012722444_0.0001       Ocean Allineter Range, SIA.SIMI and Backscatter Quality, Flags have been at Ba	CS_OFFL_SIR_IOPM_2_20210612T201935_20210612T202414_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OpenPE_SR_OPML_2.00210612121401_002100121212040_0001         Backscatter Quality         for one or more records.           CS_OFFL_SIR_IOPML_2.0021061272214031_0021072212014_C001         Coean Attimeter Range ASHA, SVM and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_IOPML_2.0021061272214031_002107221202_001127222405_C001         COCGA Attimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_IOPML_2.002106127222441_002100127222950_C001         COCGA Attimeter Range ASHA, SVM and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_IOPML_2.002106127222441_002100127222950_C001         Coean Attimeter Range ASHA, SVM and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_IOPML_2.002106127222441_002106127229306_C001         Coean Attimeter Range ASHA, SVM and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_IOPML_2.002106127220346_C001         Coean Attimeter Range ASHA, SVM and Backscatter Quality Flags have been set for on or more records.           CS_OFFL_SIR_IOPML_2.00210612723049_C001         Coean Attimeter Range ASHA, SVM and Backscatter Quality Flags have been set for on or more records.           CS_OFFL_SIR_IOPML_2.00210612723049_C001         Coean Attimeter Range ASHA, SVM and Backscatter Quality Flags have been set for on or more records.           CS_OFFL_SIR_IOPML_2.00210612723049_C001         Coean Attimeter Range ASHA, SVM and Backscatter Quality Flags have been set for on or more records.           CS_OFFL_SIR_IOPML_2.0021061	CS_OFFL_SIR_IOPM_2_20210612T204614_20210612T212128_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_JOPM_2.20210612T214031_20210612T221041_C001       and Backscatter Quality, COCG       and Backscatter Quality, Flags have been and Kancetter Quality, Fl	CS_OFFL_SIR_IOPM_2_20210612T212411_20210612T212929_C001		
OS_OFFL_SIR_IOPM_2_20210612222441_202106127222860_C001         Backscatter Quality         for one or more records.           CS_OFFL_SIR_IOPM_2_202106127222441_202106127222860_C001         Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Cocon Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been and the COCG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20210612T214031_20210612T221041_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210612T222441_20210612T222850_0001       and Backscatter Quality, CCOG Attimeter Range and Backscatter Quality Flags have been Attimeter	CS_OFFL_SIR_IOPM_2_20210612T221222_20210612T221625_C001	0,000	
CS_OFFL_SIR_IOPM_2_20210612T223122_20210612T223428_C001       and Backscatter Quality, COCG       and the OCCG Altimeter Range and Backscatter Quality Flags have been         CS_OFFL_SIR_IOPM_2_20210612T224553_20210612T230049_C001       Cean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_IOPM_2_20210612T230325_20210612T230828_C001       Cocean Altimeter Range, Callity, COCG       The OCean Altimeter Range and Backscatter Quality Flags have been set         CS_OFFL_SIR_IOPM_2_20210612T230325_20210612T230828_C001       Cocean Altimeter Range, SSHA, SWH       The OCean Altimeter Range and Backscatter Quality Flags have been set         CS_OFFL_SIR_IOPM_2_20210612T231749_20210612T230828_C001       Cean Altimeter Range, SSHA, SWH       The OCean Altimeter Range and Backscatter Quality Flags have been set         CS_OFFL_SIR_IOPM_2_20210612T231749_20210612T234648_C001       Cean Altimeter Range and Backscatter Quality Flags have been set         CS_OFFL_SIR_IOPM_2_20210612T23428_20210612T234648_C001       Cean Altimeter Range Quality, OCCG       The Ocean Altimeter Range and Backscatter Quality Flags have been set         CS_OFFL_SIR_IOPN_2_20210612T010320_20210612T010626_C001       CocGA Altimeter Range Quality, OCCG       The Ocean Altimeter Range and Backscatter Quality Flags have been set         CS_OFFL_SIR_IOPN_2_20210612T1090724_20210612T1090748_C001       CocGA Altimeter Range Quality, OCCG       The OCean Altimeter Range and Backscatter Quality Flags have been set         CS_OFFL_SIR_IOPN_2_20210612T1135407_20210612T1135425_C001       CocGA Altime	CS_OFFL_SIR_IOPM_2_20210612T222441_20210612T222950_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210612T230049_C001       and Backscatter Quality, COG Attimeter Range and Backscatter Quality Flags have been attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T230325_20210612T230828_C001       OCGA Attimeter Range Quality, OCGG Backscatter Quality       The OCGA Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T231749_20210612T2330828_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCGG Attimeter Range and Backscatter Quality, OCGG Attimeter Range and Backscatter Quality, Flags have been set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T233428_20210612T234648_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCGG Attimeter Range and Backscatter Quality, Flags have been attimeter Range and Backscatter Quality, Flags have been attimeter Range and Backscatter Quality, Flags have been attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T090724_20210612T090748_C001       Ocean Attimeter Range Quality, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T171852_C001       Ocean Attimeter Range Quality, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T171852_0210612T171852_C001       OCGG Attimeter Range Quality, OC	CS_OFFL_SIR_IOPM_2_20210612T223122_20210612T224348_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_JOPM_2_202106121230329_4021001212330329_4021061212330329_4021061212330428_40001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_JOPM_2_20210612T231749_20210612T232809_C001       Cean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_JOPN_2_20210612T010320_20210612T010626_C001       OCCG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_JOPN_2_20210612T090724_20210612T090748_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_JOPN_2_20210612T135407_20210612T135425_C001       OCCG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_JOPN_2_20210612T171825_20210612T171852_C001       OCCG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_JOPN_2_20210612T171826_0C001       OCCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG	CS_OFFL_SIR_IOPM_2_20210612T224553_20210612T230049_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20210612T231749_20210612T232809_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and the COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPM_2_20210612T233428_20210612T234648_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T010320_20210612T010626_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T135407_20210612T135425_C001       OcCoG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T171825_20210612T171825_C001       OcCoG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more re	CS_OFFL_SIR_IOPM_2_20210612T230325_20210612T230828_C001		
CS_OFFL_SIR_IOPM_2_20210612T233428_20210612T234648_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T010320_20210612T010626_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_20210612T090724_20210612T090748_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set         CS_OFFL_SIR_IOPN_2_20210612T135407_20210612T135425_C001       Ocean 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_20210612T1715407_20210612T171552_C001       OCOG Altimeter Range, Quality, OCOG Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T171825_20210612T171852_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T17171825_0210612T17171852_C001       OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG	CS_OFFL_SIR_IOPM_2_20210612T231749_20210612T232809_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_202106121010320_202106121010626_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T090724_20210612T090748_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Backscatter Quality       The OCean Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T135407_20210612T135425_C001       OCCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T171825_20210612T171852_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T171825_20210612T171852_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T171825_20210612T17182801_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T184809_20210612T184804_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records.       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPM_2_20210612T233428_20210612T234648_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_20210612T090724_20210612T090748_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T135407_20210612T135425_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_20210612T171825_20210612T171852_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T171825_20210612T171852_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T171825_20210612T17182801_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T182801_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_20210612T010320_20210612T010626_C001		
CS_OFFL_SIR_IOPN_2_20210612T133407_20210612T133425_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T171825_20210612T171852_C001       Ocean Altimeter Range, SSHA, SWH 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_20210612T171825_20210612T1718250_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T182757_20210612T182801_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_IOPN_2_20210612T184809_20210612T184944_C001       OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20210612T090724_20210612T090748_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_20210612T171825_20210612T171852_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality         CS_OFFL_SIR_IOPN_2_20210612T182757_20210612T182801_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_20210612T184809_20210612T184444_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_IOPN_2_20210612T135407_20210612T135425_C001		
CS_OFFL_SIR_IOPN_2_20210612T182757_20210612T182801_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPN_2_20210612T184944_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_IOPN_2_20210612T171825_20210612T171852_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS DEEL SIR JOPN 2 202106121184809 202106121184944 CO01	CS_OFFL_SIR_IOPN_2_20210612T182757_20210612T182801_C001		
Backscatter Quality for one or more records.	CS_OFFL_SIR_IOPN_2_20210612T184809_20210612T184944_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_20210612T212237_20210612T212411_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_20210612T222300_20210612T222316_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_20210612T010739_20210612T011055_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_20210612T014335_20210612T014527_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_20210612T030938_20210612T031104_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_20210612T041201_20210612T041234_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_20210612T171723_20210612T171803_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_20210612T180322_20210612T180714_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_20210612T213418_20210612T214031_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

### L2 Quality Flags (20Hz PLRM)

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20210612T000048_20210612T000559_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_20210612T004231_20210612T004650_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_20210612T021922_20210612T022044_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_20210612T022125_20210612T022513_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_20210612T035625_20210612T040207_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_20210612T054006_20210612T054141_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_20210612T055335_20210612T055457_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_20210612T055912_20210612T055934_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_20210612T061046_20210612T061103_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_20210612T063023_20210612T063149_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_20210612T063710_20210612T064017_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_20210612T072839_20210612T072910_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_20210612T074556_20210612T074926_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_20210612T081610_20210612T081944_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_20210612T091143_20210612T091230_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_20210612T095517_20210612T095806_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_20210612T095953_20210612T100142_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_20210612T105136_20210612T105244_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_20210612T112619_20210612T113210_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_20210612T122527_20210612T122738_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_20210612T122852_20210612T123120_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_20210612T123318_20210612T123440_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_20210612T124149_20210612T124312_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_20210612T130815_20210612T130957_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_20210612T131838_20210612T132043_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_20210612T134518_20210612T134830_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_20210612T134924_20210612T135049_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_20210612T140440_20210612T140928_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_20210612T145102_20210612T145202_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_20210612T145634_20210612T145855_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_20210612T163712_20210612T163839_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_20210612T171825_20210612T171852_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_20210612T172645_20210612T172747_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_20210612T183432_20210612T183503_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_20210612T184809_20210612T184944_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_20210612T194457_20210612T194911_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_20210612T195445_20210612T195610_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_20210612T201852_20210612T201935_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_0FFL_SIR_IOPN_2_20210612T203421_20210612T203822_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_20210612T221625_20210612T221719_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_20210612T223107_20210612T223122_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_20210612T231030_20210612T231249_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_IOPR_2_20210612T003923_20210612T004139_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T004650_20210612T005408_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T010739_20210612T011055_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T014335_20210612T014527_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T022513_20210612T023353_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T030938_20210612T031104_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T032230_20210612T032444_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T040207_20210612T040946_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T041252_20210612T041408_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T053931_20210612T054006_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T054141_20210612T054749_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T054749_20210612T055102_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T062759_20210612T063023_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T071948_20210612T072649_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T072649_20210612T072839_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T073339_20210612T073702_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T080627_20210612T081007_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T081944_20210612T082322_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T090111_20210612T090547_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T090547_20210612T090724_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T094348_20210612T095048_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T103849_20210612T104355_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T104355_20210612T104556_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T110821_20210612T111035_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T122124_20210612T122205_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T122205_20210612T122527_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T134329_20210612T134418_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_IOPR_2_20210612T135733_20210612T140440_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T144540_20210612T144750_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T153530_20210612T153650_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T153943_20210612T154509_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T170757_20210612T170947_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T171852_20210612T172645_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T180322_20210612T180714_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T182449_20210612T182722_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T184459_20210612T184809_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T185012_20210612T185146_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T185707_20210612T190633_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T194234_20210612T194457_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T195610_20210612T195907_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T202414_20210612T203111_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T203322_20210612T203421_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T203822_20210612T204614_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T213418_20210612T214031_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T221719_20210612T222300_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T224351_20210612T224553_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T230049_20210612T230143_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T231249_20210612T231749_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T233231_20210612T233428_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T234648_20210612T234737_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T235329_20210612T235422_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210612T235635_20210613T000331_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

## L2 Quality Flags (1 Hz & 1Hz PLRM)

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.

#### 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.

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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.

Number of products with errors:

### 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).

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 Corection, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.

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

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

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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_220210611T235906_20210612T004842_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_220210612T004842_20210612T013820_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_220210612T013820_20210612T022757_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_220210612T022757_20210612T031735_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_220210612T031735_20210612T040712_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_220210612T040712_20210612T045650_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_220210612T045650_20210612T054626_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_220210612T054626_20210612T063605_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_220210612T063605_20210612T072541_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_220210612T072541_20210612T081519_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_220210612T081519_20210612T090456_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_220210612T090456_20210612T095434_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_220210612T095434_20210612T104410_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_220210612T104410_20210612T113348_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_220210612T113348_20210612T122325_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_220210612T122325_20210612T131303_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)

	Power scaling error	There is an error in the scaling of the L2 waveform for one or more
Product	Test Failed	Description
Number of products with errors: 1		
CryoSat P2P data includes a measurement confidence flag for each 20-Hz me	easurement record. The bit value of this flag in	dicates any problems when set.
6.5 P2P Measurement Confidence Data Check		
CS_OFFL_SIR_IOP_220210612T235807_20210613T004746_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1)
CS_OFFL_SIR_IOP_220210612T230831_20210612T235807_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1)
CS_OFFL_SIR_IOP_220210612T221853_20210612T230831_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1)
CS_OFFL_SIR_IOP_220210612T212916_20210612T221853_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynan Topography height (solution 1)
CS_OFFL_SIR_IOP_220210612T203938_20210612T212916_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynan Topography height (solution 1)
CS_OFFL_SIR_IOP_220210612T195002_20210612T203938_C001	Topography (1), Total Geocentric Ocean Tide (GOT)	Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_220210612T181047_20210612T190024_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynan Topography height (solution 1) There is an error with the MSS height (solution 1), the Mean Dynamic
CS_OFFL_SIR_IOP_220210612T172109_20210612T181047_C001	Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1)
	Topography (1) Mean Sea Surface (1), Mean Dynamic	Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynan
CS_OFFL_SIR_IOP_220210612T163133_20210612T172109_C001	Tide (EES) Non-Equilibrium Long Perior Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynan
CS_OFFL_SIR_IOP_220210612T154154_20210612T163133_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean	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_220210612T145218_20210612T154154_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1)
S_OFFL_SIR_IOP_220210612T140240_20210612T145218_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynar Topography height (solution 1)
	( )	

#### P2P Quality Flags (20Hz)

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

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

### Number of products with errors: 28

### P2P Quality Flags (20Hz PLRM)

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

Number of products with errors: 29

### P2P Quality Flags (1 Hz & 1Hz PLRM)

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

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Number of products with errors:

## 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:

#### P2P Retracking Flags PLRM

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

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

Number of products with errors:

## 7. IOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_IOPM1B	159	159	6	153	0
SIR_IOPR1B	131	120	4	116	0
SIR_IOPN1B	120	131	0	131	0
SIR_IOPM_2	159	159	101	58	0
SIR_IOPR_2	131	120	49	71	0
SIR_IOPN_2	120	131	34	96	1
SIR_IOP_P2P	28	28	0	28	0

Number of QCC reports with errors: 4
Total number of occurrences of each

2344

	Total number of occurrences of each error										
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_IOPR_2	1	1	1	1							
Test Descriptio	Test Description Key:										
Abbreviation	Test n	ame		Details							
RLOBOPNCDF	RangeL	atitudeOrBlankOP_	7NetCDF	Latitude should be between -90E7 and 90E7							
RL	RangeL	atitude_7		Latitude should be between -90E7 and 90E7							
RLOBOPNCDF	RangeL	ongitudeOrBlankOF	2_7NetCDF	Longitude should be between -180E7 and 180E7							
RL	RangeL	ongitude_7		Longitude should be between -180E7 and 180E7							

# 7.2 QCC Warnings

## Number of QCC reports with warnings

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	Der of occurrences of ea MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMM
SIR IOPM1B	153	0	0	0	0	0	0
SIR IOPM 2	0	0	40	42	0	41	0
SIR IOPN1B	115	0	0	0	0	0	0
SIR IOPN 2	0	0	10	27	4	29	34
SIR IOPR1B	127	0	0	0	0	0	0
SIR IOPR 2	0	1	34	45	1	35	34
	0	ŀ	0.	10			0.
Product Type	RBSZOPOEPNCDF	RLPTONCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNC	DRPEPOPFDSARNCDF
SIR IOPM1B	0	0	0	0	0	0	0
SIR IOPM 2	34	4	0	35	0	0	0
SIR IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	24	37	0	0	0	24	0
SIR_IOPR1B	0	0	0	0	0	0	0
SIR IOPR 2	19	45	1	0	52	0	58
	10	10	•	•	02	v	00
Product Type	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCD
SIR IOPM1B	0	0	0	0	0	0	0
SIR IOPM 2	0	30	0	0	7	28	0
SIR IOPN1B	0	0	0	0	0	0	0
SIR IOPN 2	32	0	0	26	21	42	52
SIR IOPR1B	0	0	0	0	0	0	0
SIR IOPR 2	0	0	49	0	3	65	46
	0	U	-0	0	5	00	40
Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF
SIR IOPM1B	0	0	0	0	1	0	0
SIR IOPM 2	5	38	0	3	1	0	0
SIR IOPN1B	0	0	0	0	0	0	50
SIR_IOPN_2	32	24	25	17	0	1	0
SIR IOPR1B	0	0	0	0	0	0	131
SIR IOPR 2	8	33	47	1	0	2	0
	-				-	-	-
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMN	CRBSZOPOEPNCDF
SIR IOP 2	15	27	28	4	28	16	28
Product Type	RLPTONCDF	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF
SIR IOP 2	28	1	17	28	23	20	28
	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-
Product Type				47	14	28	
Product Type SIR_IOP_2_	17	24	28	17	17	20	
	17	24	28	17	17	20	
	-	-	-	-	-	-	•

Abbreviation	Test name	Details
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitud between -70 and 70 degrees
RBSZOPOEPFDPLRM	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitud
NCDF RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	between -70 and 70 degrees The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitut between -70 and 70 degrees
RLPTONCDF	RangeLongPeriodTideOceanNetCDF	The Long period tide height should be between -50mm and 50mm (or missing) for surface type = ocean - NetCDF
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing surface type = ocean
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -7 and 70 degrees
	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between - and 70 degrees
	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between - and 70 degrees
CDF RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between - and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between - and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -7 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between - and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between - and 70 degrees
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
F RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type =
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	ocean The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMN	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
CDF RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean fo
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	latitudes between -70 and 70 degrees Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)

SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample				
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter				
7.3 Missing QCC Reports						
Number of products w	th missing QCC reports: 0					