

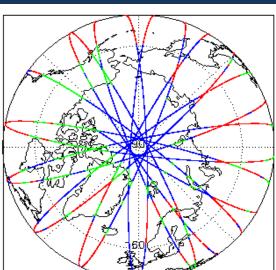
# **QA4EO Daily Report for IOP data:**

<u>09/02/2021</u>

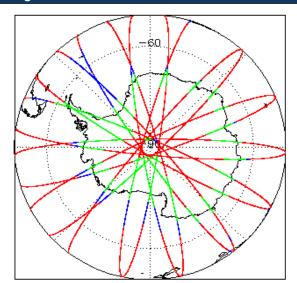
an art Draduation.	12-Feb-2021	Check	L1 & L2	P2P
Report Production:12-Feb-2021	12-Feb-2021	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used: Cry		Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal
Data Oseu.		Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1, 7.2

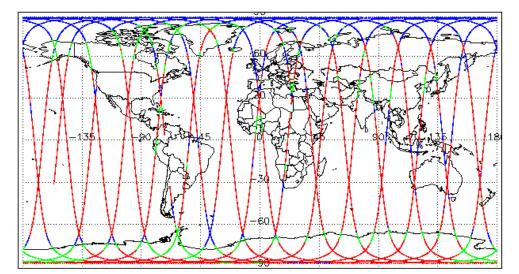
1. Overview

Mission / Instru	Mission / Instrument News		
08-Feb-2021	None		
09-Feb-2021	None		
10-Feb-2021	Nothing planned		











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# 3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

0

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

4. IOP Level 1B Data Quality Check

## 4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.				
	B IOPR and IOPN products be	ecause the I1b_processing_quality_hr field is not correctly configured in the OSAR and		
OSARIn chains. A modification is required in the next release.				
Number of products with errors: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre	e-determined baseline and als	o to check the validity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement recorr	d. The hit value of this flag ind	licates any nrohlems when set		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measuren	nent record. The bit value of th	nis flag indicates any problems when set.		
Attitude Correction Missing: This flag is currently set in error for IOPR produ	cts due to a configuration issu	ue. This is being investigated and will be updated in the next SW update.		
Number of products with errors: 0				
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record	I. The bit value of this flag indi	icates any problems when set.		
Loss of Echo Flag: This flag is currently set for products over land, but this is	to be expected.			
Number of products with errors: 13				
Product	Test Failed	Description		
CS_OFFL_SIR_IOPN1B_20210209T000158_20210209T000355_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210209T001410_20210209T001439_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210209T002452_20210209T002641_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210209T051042_20210209T051331_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210209T060612_20210209T061219_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210209T064756_20210209T065215_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210209T165701_20210209T165810_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210209T201006_20210209T201454_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20210209T232351_20210209T232417_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20210209T014642_20210209T015351_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20210209T015500_20210209T020459_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20210209T032903_20210209T032925_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20210209T231122_20210209T231213_C001	Loss of Echo	The tracking echo is missing for one or more records		
5. 10	P Level 2 Data Q	uality Check		
5.1 L2 Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an X	ML 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	d SPH in order to identify any i	inconsistencies and/or errors raised by the ground-segment processing chain.		
Number of products with errors: 0				
5.3 L2 Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.				
Number of products with errors: 0				
5.4 L2 Auxiliary Correction Error Check				
For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).				
Currently, there are some common auxiliary correction errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.				
> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Corection, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.				
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.				
> Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.				
> Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.				
> Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.				

Number of products with errors:

48

Product

CS_OFFL_SIR_IOPM_2_20210209T232036_20210209T232119_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_20210209T010301_20210209T010620_C001	Mean Sea 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_20210209T015351_20210209T015500_C001	Mean Sea 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_20210209T025038_20210209T025146_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_20210209T033304_20210209T033416_C001	Mean Sea 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_20210209T042742_20210209T042930_C001	Mean Sea 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_20210209T051042_20210209T051331_C001	Mean Sea 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_20210209T060612_20210209T061219_C001	Mean Sea 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_20210209T064756_20210209T065215_C001	Mean Sea 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_20210209T073648_20210209T073922_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_20210209T074548_20210209T074858_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_20210209T082650_20210209T083038_C001	Mean Sea 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_20210209T092636_20210209T092753_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_20210209T123547_20210209T123712_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_20210209T124233_20210209T124541_C001	Mean Sea 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_20210209T141531_20210209T141800_C001	Mean Sea 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_20210209T142134_20210209T142507_C001	Mean Sea 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_20210209T155612_20210209T155847_C001	Mean Sea 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_20210209T165122_20210209T165243_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_20210209T173143_20210209T173733_C001	Mean Sea 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_20210209T183052_20210209T183303_C001	Mean Sea 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_20210209T191338_20210209T191520_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_20210209T201006_20210209T201454_C001	Mean Sea 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_20210209T223249_20210209T223643_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_20210209T224236_20210209T224402_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_20210209T001439_20210209T002226_C001	Mean Sea 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_20210209T015500_20210209T020459_C001	Mean Sea 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_20210209T033416_20210209T034129_C001	Mean Sea 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_20210209T051332_20210209T052050_C001	Mean Sea 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_20210209T065216_20210209T065821_C001	Mean Sea 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_20210209T065821_20210209T065934_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_20210209T083039_20210209T083915_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

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CS_OFFL_SIR_IOPR_2_20210209T100732_20210209T101511_C001	Mean Sea 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_20210209T114706_20210209T115328_C001	Mean Sea 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_20210209T115328_20210209T115637_C001	Mean Sea 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_20210209T132246_20210209T133228_C001	Mean Sea 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_20210209T133228_20210209T133404_C001	Mean Sea 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_20210209T150637_20210209T151127_C001	Mean Sea 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_20210209T151127_20210209T151249_C001	Mean Sea 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_20210209T164431_20210209T165011_C001	Mean Sea 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_20210209T165011_20210209T165122_C001	Mean Sea 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_20210209T182649_20210209T182743_C001	Mean Sea 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_20210209T182743_20210209T183052_C001	Mean Sea 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_20210209T200237_20210209T200312_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPR_2_20210209T200312_20210209T201006_C001	Mean Sea 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_20210209T214508_20210209T215034_C001	Mean Sea 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_20210209T231323_20210209T231512_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_20210209T232417_20210209T233210_C001	Mean Sea 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:

### 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.

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20210209T001152_20210209T001320_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_20210209T002641_20210209T010103_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.
		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20210209T011315_20210209T013319_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_20210209T020459_20210209T022724_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_20210209T022748_20210209T023848_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.
	0 ,	The 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_IOPM_2_20210209T032147_20210209T032902_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_20210209T034237_20210209T034253_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_20210209T034729_20210209T035558_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_20210209T040039_20210209T040200_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_20210209T040212_20210209T041339_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_20210209T041424_20210209T041821_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_20210209T042001_20210209T042520_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_20210209T043622_20210209T044406_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_20210209T045112_20210209T050300_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_20210209T052200_20210209T052324_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_20210209T053031_20210209T054002_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_20210209T054238_20210209T055736_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_20210209T055927_20210209T060432_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_20210209T060456_20210209T060612_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_20210209T061219_20210209T061238_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_20210209T061304_20210209T061406_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_20210209T063220_20210209T063450_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_20210209T063613_20210209T064003_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_20210209T071939_20210209T073648_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_20210209T073923_20210209T074349_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_20210209T074947_20210209T081329_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_20210209T082610_20210209T082650_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_20210209T085012_20210209T091628_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_20210209T091744_20210209T092252_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_20210209T092311_20210209T092636_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_20210209T092855_20210209T095712_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_20210209T095838_20210209T100150_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_20210209T102829_20210209T105559_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_20210209T110209_20210209T110543_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_20210209T110812_20210209T114322_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_20210209T120046_20210209T120437_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_20210209T122450_20210209T122459_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_20210209T122710_20210209T123531_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_20210209T123712_20210209T124232_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_20210209T124803_20210209T131045_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_20210209T131331_20210209T132246_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_20210209T133504_20210209T133904_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_20210209T135451_20210209T135936_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_20210209T140124_20210209T141441_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_20210209T141801_20210209T142133_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_20210209T142726_20210209T143333_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_20210209T143343_20210209T145939_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_20210209T151756_20210209T152515_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_20210209T152518_20210209T154912_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_20210209T155236_20210209T155250_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_20210209T155847_20210209T160040_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_20210209T160330_20210209T160516_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_20210209T160714_20210209T161334_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_20210209T162945_20210209T163615_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_20210209T164050_20210209T164100_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_20210209T164413_20210209T164428_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_20210209T165243_20210209T165701_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_20210209T165814_20210209T170106_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_20210209T170203_20210209T170404_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_20210209T170431_20210209T171346_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_20210209T172005_20210209T173143_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_20210209T174027_20210209T174450_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_20210209T174629_20210209T175340_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_20210209T175437_20210209T180134_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_20210209T180314_20210209T181759_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_20210209T184005_20210209T184318_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_20210209T184449_20210209T184714_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_20210209T184837_20210209T185325_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_20210209T185612_20210209T191249_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_20210209T191520_20210209T192401_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_20210209T192620_20210209T194854_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_20210209T194943_20210209T195002_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_20210209T201717_20210209T205209_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_20210209T205726_20210209T210157_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_20210209T210439_20210209T213032_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_20210209T213034_20210209T213239_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_20210209T220315_20210209T223131_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_20210209T223644_20210209T224236_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_20210209T224403_20210209T230315_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_20210209T231607_20210209T231625_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_20210209T232036_20210209T232119_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_20210209T232139_20210209T232227_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_20210209T233505_20210210T001008_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210209T070845_20210209T071151_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_IOPN_2_20210209T101512_20210209T101527_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210209T151249_20210209T151314_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210209T151425_20210209T151446_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210209T160516_20210209T160706_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20210209T210158_20210209T210418_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_20210209T001439_20210209T002226_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_20210209T011258_20210209T011315_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210209T061438_20210209T061719_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210209T084520_20210209T084537_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210209T181842_20210209T181858_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210209T195014_20210209T195043_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20210209T214508_20210209T215034_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Attimeter Range, SSHA, SWH 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_20210209T232337_20210209T232351_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

## L2 Quality Flags (20Hz PLRM)

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

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20210209T002452_20210209T002641_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_20210209T010301_20210209T010620_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_20210209T013319_20210209T013633_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_20210209T015351_20210209T015500_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_20210209T024015_20210209T024349_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_20210209T032940_20210209T033058_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_20210209T033304_20210209T033416_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_20210209T042742_20210209T042930_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_20210209T052645_20210209T053031_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_20210209T055741_20210209T055927_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_20210209T060612_20210209T061219_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_20210209T064756_20210209T065215_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_20210209T082447_20210209T082609_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_20210209T082650_20210209T083038_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_20210209T084031_20210209T084200_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_20210209T091628_20210209T091743_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_20210209T092636_20210209T092753_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_20210209T110543_20210209T110658_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_20210209T115900_20210209T120022_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_20210209T122115_20210209T122221_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_20210209T135121_20210209T135450_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_20210209T141531_20210209T141800_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_20210209T151425_20210209T151446_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_20210209T155612_20210209T155847_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_20210209T160516_20210209T160706_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_20210209T165122_20210209T165243_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_20210209T165701_20210209T165810_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_20210209T171859_20210209T172005_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_20210209T173143_20210209T173733_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_20210209T182547_20210209T182649_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_20210209T183052_20210209T183303_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_20210209T183417_20210209T183646_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_20210209T184715_20210209T184837_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_20210209T185325_20210209T185612_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_20210209T192402_20210209T192606_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_20210209T195449_20210209T195613_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_20210209T201006_20210209T201454_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_20210209T210158_20210209T210418_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_20210209T223249_20210209T223643_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_20210209T224236_20210209T224402_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_20210209T233210_20210209T233313_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_20210209T000731_20210209T001056_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_20210209T001439_20210209T002226_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_20210209T002402_20210209T002452_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_20210209T014342_20210209T014642_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_20210209T014642_20210209T015351_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_20210209T015500_20210209T020459_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_20210209T032925_20210209T032940_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_20210209T033416_20210209T034129_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_20210209T034338_20210209T034414_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_20210209T042931_20210209T043133_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_20210209T044914_20210209T045112_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_20210209T050722_20210209T051042_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_20210209T051332_20210209T052050_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_20210209T054002_20210209T054237_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_20210209T064448_20210209T064704_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_20210209T065216_20210209T065821_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_20210209T071305_20210209T071939_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_20210209T083039_20210209T083915_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_20210209T100732_20210209T101511_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_20210209T101817_20210209T101936_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_20210209T114706_20210209T115328_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_20210209T115328_20210209T115637_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_20210209T115822_20210209T115900_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_20210209T120023_20210209T120046_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_20210209T122503_20210209T122709_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_20210209T124541_20210209T124803_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_20210209T132246_20210209T133228_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_20210209T133228_20210209T133404_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_20210209T135936_20210209T140124_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_20210209T150503_20210209T150628_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_20210209T150637_20210209T151127_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_20210209T151314_20210209T151425_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_20210209T151446_20210209T151709_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_20210209T154912_20210209T155236_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_20210209T155250_20210209T155612_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_20210209T163615_20210209T163643_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_20210209T163915_20210209T163934_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_20210209T163937_20210209T163954_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_20210209T164431_20210209T165011_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_20210209T165011_20210209T165122_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_20210209T171346_20210209T171559_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_20210209T182500_20210209T182547_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_20210209T182649_20210209T182743_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_20210209T194854_20210209T194943_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_20210209T195014_20210209T195043_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_20210209T200312_20210209T201006_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_20210209T214054_20210209T214216_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

C), Di, L., RC, CORP. 2, ACTION 121502, LIKE (2017) 12002, CORP.     Down Altan Rapp. ERR, SOM, Altan Rapp	CS_OFFL_SIR_IOPR_2_20210209T214508_20210209T215034_C001		
CR_OPT_LER_OPT_20100007720102_000007720100     ext Backsoch Daub PLAC COCO     International Control Contro Control Control Control Control Control Control Contro		and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CPUID CONTROL CALL CALL CALL CALL CALL CALL CALL CA	CS_OFFL_SIR_IOPR_2_20210209T223132_20210209T223249_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CR_OPPL_GRE_OPPL_323132000000000000000000000000000000000	CS_OFFL_SIR_IOPR_2_20210209T231831_20210209T231931_C001		
Carbon Control Contro	CS_OFFL_SIR_IOPR_2_20210209T232417_20210209T233210_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
<form>         Carrent of the server of control they server the server of the products over sea ke, which is to be represeded.         Partial Caccess Reference they merric:       International server of control to the server of t</form>	CS_OFFL_SIR_IOPR_2_20210209T233313_20210209T233340_C001		
> Hit and Hit Cooken SHA Canadir Flags. These haps are currently out for products over sea to which is to be expected.         SH2 Cooken Actinc Finance Units Concert         Cooken Actinc Units Cooken Actinc Concert Concert         Cooken Actinc Units Cooken Actinc Cooken Actin	L2 Quality Flags (1 Hz & 1Hz PLRM)		
Number of products with verse:     18       S. 2. Cocean Retracking Quality Check       S. 2. A Cocean Retracking Quality Check       S. 2. A Cocean Retracking Quality Flags (20Hz)       Cyolar J. 2 data includes an ocean retacking quality flag for each 20H or measurement record. The bit value of this flags includes any problems when set.       Coean Retracking Mulii Flagis (20Hz)       Cyolar J. 2 data includes an ocean retacking quality flag for each 20H or modules 10PT and DPN products over set ion, bull this is to be expected.       Cyolar J. 2 data includes an ocean retacking quality flag for each 20H or Module 10PT and DPN products over set ion, bull this is to be expected.       Cyolar J. 2 data includes an ocean retacking quality flag for each 20H or Module 10PT and DPN products over set ion, bull this is to be expected.       Cyolar J. 2 data includes an ocean retacking quality flag for each 20H or Module 10PT product over set ion, bull this is to be expected.       Cyolar J. 2 data includes an ocean retacking quality flag for each 20H or Module 10PT product over set ion, bull this is to be expected.       Number of products with errors:     10       Ch 2PP Product Header Analysis       For expected for inclusing plans for beoremous on the MPH and SPH in code to isterily any inconsiderations and/or errors raised by the ground-segment proceeding units.       A product is with errors:     0       Ch 2PP Product Header Analysis       For expected for inclusing plans for decising and plans for the decising and and the to be expected.       A product is with errors:     0    <	Currently, there are several common flags raised in the Level 2 products, v	which are summarised below.	
5.8 L2 Ocean Retracking Quality Check         EX Retracking Flags (20Hz)           Crystell L3 data incluses an ecan retracking guality lag for each 20-bit measurement neurol. The bit value of this flag indicates any problems when set.         Orean Retracking Quality Flag: This is currently eith products over lend and sea los, bull this is bit are expected. The number of products with error fag cell is given below.           Number of products an once an retracking Quality Flag: Check PLRM         EXPENDENCIP Check PLRM           Color Retracking Chailing Flags (20Hz)         EXPENDENCIP Check PLRM           Color Retracking Quality Flag: The flag is corrently eel for products IOPR and IOPN products over sea los. but this is bit expected.         Number of products with errors:           Dial Califor Instance on color Califor Quality Check         EXPENDENCIP Check PLAGE         EXPENDENCIP Check PLAGE           Experiment, is statistic of both an XML leader file (HDR) and a NeIOOF product file (a.e.).         Number of products with errors:         0           EXPERPENDENCL Flags (20Hz)         0         EXPENDENCL Flags (20Hz)         EXPENDENCL Flags (20Hz)           EXPENDENCL Flags (20Hz)         0         0         EXPENDENCL Flags (20Hz)         EXPENDENCL Flags (20Hz)           EXPENDENCL Flags (20Hz)         0         0         EXPENDENCL Flags (20Hz)         EXPENDENCL Flags (20Hz)           EXPENDENCL Flags (20Hz)         0         0         EXPENDENCL Flags (20Hz)         EXPENDENCL Flags (20Hz) <td>&gt; 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for pr</td> <td>roducts over sea ice, which is to be expected</td> <td>l.</td>	> 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for pr	roducts over sea ice, which is to be expected	l.
L2 Retracking Flags (2014)           Cruged L2 data includes an case including quality flag for each 2014; inseaurement record. The bit value of this flag inductes any problems when set.           Cocean Retracking Case (2014)           Cruged L2 data includes an case including quality flag for each 2014; ELRM           Croyed L2 data includes an case including quality flag for each 2014; ELRM including for each 2014; ELRM including quality flag for each 2014; ELRM including for each 2014;	Number of products with errors: 198		
2. Restracting Flags (2012)         CrySeL 2 Relation/delse an coser relaxion, quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.         Cosers Retracking Call 2014	5.8 L2 Ocean Retracking Quality Check		
Cycle Label induces an exercite methods to public the products over land a label, but the is to be any policies any produces when set!           Cycle Label induces an exercite methods to public the products over land a label, but the is to be any policies any policies when set!           Cycle Label induces an exercite methods (public Habel DAPE PUBLIC Head OPP) policies core sea label, but the is to be any policies and sea induced (public Habel DAPE PUBLIC Head OPP) policies core sea label, but the is to be any policies and sea induced (public Habel DAPE PUBLIC Head OPP) policies core sea label. The two habel Public Habel DAPE PUBLIC HABEL HABE			
Best Retracking Quality Flag: This fags to construct store for back cover land and sea too, but this is to be expected. The number of spocidic with store flags expected performance of products with the serie flags of Quality Flags (Quality Flags (Qualit		rement record. The bit value of this flag indic	ates any problems when set.
Namear of products with energy:     02       I.P. Enclaring Flags (2004; J.P. RM)     Construction of the set of the se		-	
Cycle Late includes an ocean retroking quality flag for each 20-Hz PERM measurement record. The bit value of the flag indicates any problems when set.         Cateraching Quality Flag (PLRM): The flag is currently set for products (PCR and 10PM products over sea ice, but this is to be appedde.         Cateraching Quality Flag (PLRM): The flag is currently set for products (PCR and 10PM products over sea ice, but this is to be appedde.         Cateraching Quality Flag (PLRM): The flag is currently set for products of the selence server, is checked to ensure it consists of both an XML header flig (HDR) and a NetCDF product flig (nc).         Cateraching Quality Flag (PLRM): The flag is currently set for products 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         Cate product set devided for missing Dala Set Descriptors with respect to a pre-determined base in the validity of Auxiliary Data Flies is correct.         Number of products with errors:       0         Cate product with errors:       0         Cate product with errors:       0         Cate products with errors:       0 <td< td=""><td></td><td></td><td>······</td></td<>			······
Dear Retracting Quality Fig (PLRM): The fig is currently set for products (IOPR and IOPN products over sea ico, but this is to be aspected.         Number of products with errors:       18         Chi COP L2 Pole-to-Pole Data Quality Check         Each product, retired and unpacked from the science server, is checked to ensure 4 consists of both an XML header file (HDR) and a NetCDF product file (nc).         Number of products with errors:       0         C3 P2P Product Header Analysis       C         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         C3 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, where near       0         C4 P2P Auxiliary Correction Error Check       Each product is checked for missing Data Set Descriptors with negoest to any other with exist of products which are expected due to surface type. All common flags are summarised in the list block, forward or y aduation on auxiling variantic marker with respect to a products which are expected.         > Edwards in the auxiliary Correction errors raised in the law of products which are expected.         > Set Weite Set Set State Blas PLRM: The error value is currently and the products over sea ice, but this is to be expected.         > Set State Bla	L2 Retracking Flags (20Hz, PLRM)		
Number of products with errors:       0         6. (OP L2 Pole-to-Pole Data Quality Check         6. (P 2P Product Format Check         Each product, retrieved and unsexted from the science server, in checked to ensure it consists of both an XML header file (HDR) and a NetCDF product file (nc).         Number of products with errors:       0         6. 222 Product Header Analysis         For all products with errors:       0         6. 322 PL XLXIIIary Data File Usage Check         Each product is devided 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, there are some common auxiliary correction errors rised in the Level 2 products with errors with errors rised in the Level 2 products with error setup or setup in the Market of probability of Auxiliary Data Files is correct.         Currently, there are some common auxiliary corrections are not computed over CONTNENTAL ICE: Dy Tropaspheric Correction, there Barometric Correction in a full control in the setup.         > 6 State Line & Set State Biole PLRM: The error value is currently set for products over teals and use is to be expected.         > Man Sea Surface: The error value is currently set for products over teal and as is to be expected.         > Man Sea Surface: The error value is currently set for products over teal and sea is, but this is to be expected.         > Man Sea Surface: The error value is currently set for products over teal and sea is, but this is to be expected.         > Man Sea	CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM	measurement record. The bit value of this fla	ag indicates any problems when set.
6. IOP L2 Pole-to-Pole Data Quality Check         6.1 P2P Product Format Check         Each product, relieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (HDR) and a NetCOF product file (nc).         Number of products with errors:         0         6.2 P2P Product Header Analysis         For all products, 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         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:         0         6.4 P2P Auxiliary Correction Error Check         For all products with errors:         0         Correction: Correction: Correction: Correction: Correction: Correction: Correction: Correction: Weit Toppopheric Correction: Net Toppopheric Correction: Correction: Correction: Correction: Weit Toppopheric Correction: Correction: Correction: Weit Toppopheric Correction: Weit Toppopheric Correction: Correction: Weit Toppopheric Corr	Ocean Retracking Quality Flag (PLRM): This flag is currently set for products	OPR and IOPN products over sea ice, but th	is is to be expected.
6.1 P2P Product Format Check Each product, retireved 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:     0      6.2 P2P Product Header Analysis For all products with errors:     0      6.3 P2P Auxiliary Data File Usage Check Each product is enclosed by the ground-segment processing chain. Number of products with errors:     0      6.3 P2P Auxiliary Data File Usage Check Each product is enclosed by the ground-segment processing chain. Number of products with errors:     0      6.4 P2P Auxiliary Data File Usage Check Each product is enclosed by the ground-segment processing chain. Number of products with errors:     0      6.4 P2P Auxiliary Correction Error Check For all products, the availary correction errors raised in the Level 2 products with respected be 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.     > Seas State Bias A Sea State Bias PLRM: The error value is currently set for products over sea loc, but this is to be expected.     > Mean Sanger Tro Value is currently set for products over sea loc, but this is to be expected.     > Mean Sanger Tro Value is currently set for products over land and sea loc, but this is to be expected.     > Mean Sanger Tro Value is currently set for products over land and sea loc, but this is to be expected.     > Mean Sanger Tro Value is currently set for products over land and sea loc, but this is to be expected.     > Mean Sanger Tro Value is currently set for products over land and sea loc, but this is to be expected.     > Mean Sanger Tor Value is currently set for products over land and sea loc, but this is to be expected.     > Mean Sanger Tor Value is currently set for products over land and sea loc, but this is to be expected.     > Mean Sanger Tor Value is currently set for products over land and sea loc, but this is to be expected.	Number of products with errors: 156		
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:  0  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:  0  6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors:  0  6.4 P2P Auxiliary Correction Error Check For all products, there are some common auxiliary correction rerors 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 blab highlighting and additional issues which may arise from this text.  > EGWP Meteo Corrections: Currently the following corrections rerors 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 blab highlighting and additional issues en out computed over CONTINENTAL ICE: Dy Tropospheric Correction, Inverse Barometic Correction, there are some common auxiliary corrections are not computed over CONTINENTAL ICE: Dy Tropospheric Correction, Wei Tropospheric Correction, The affected products are not reproducts wee an out this is to be expected. > See State Blas PLRM: The error value is currently set for products over land and sea ice, but this is to be expected. > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected. > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected. > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to b	6. IOP L2	Pole-to-Pole Data Quality	Check
Each product, retireved 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:	6.1 P2P Product Format Check		
Number of products with errors:         0           62.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:         0           63.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:         0           64.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 may arise from this test.           > Editary Matter Sectors: Currently the following correction are not computed over CONTINENTALICE: Dry Tropospheric Correction, Near Barometric Correction in the UNM and V/WMM documponents of the ECMWF model wind vector. This is a known anomaly (GRV-OCA) and will be resolved in a future IPF update. The affected products are checked for products over tand and sea ice, but this is to be expected.           > Name Sa Sufface: The error value is currently set for products over tand and sea ice, but this is to be expected.           > Main Sas Sufface: The error value is currently set for products over tand and sea ice, but this is to be expected.           > Main Sas Sufface The error value is currently set for products over tand and sea ice, but this is to	Each product, retrigued and uppeaked from the science convert is shocked to an	aura it appaiete of both on XML booder file (	HDR) and a NotCDE product file ( pa)
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         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:       0         6.4 P2P Auxiliary Correction Error Check         For all products, the 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.         > EXEMIF Meter Correction:       Correction: Currently the following corrections errors or asised 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.         > EXEMIF Meter Correction:       User Correction:         > Sea State Blas & Sea State Blas PLRM: The error value is currently set for products over sea ice, but this is to be expected.         > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.         > Mimetric Wind Speed Error:       30         Product       Test Faled       Description         Cs_OFFL_SIR_IOP_2_20210209T01717_2021029PT0 10683_2001       Mean S			
Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.         Number of products with errors:       0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary correction error raised in the Level 2 products with are expected due to surface type. All common flags are summarised in the list below, forced on the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-SOPeri) and will be resolved in a future IPF update. The affected products are not computed over CONTINENTAL ICE: Dry Troopspheric Correction, Horers Barometric Correction in the Lable below.         > Seas State Bias A Seas 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.         > Man Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.         > Maner Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.         > Mean Sea Surface (1), Rean Dynamic       There is an enror with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_IOP_220210200F101717_20210209T01717_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_220210200F101653_2021	6.2 P2P Product Header Analysis		
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:       0         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 are not computed over CONTINENTAL ICE: Dry Tropospheric Correction. Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Hoverse 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 land and sea ice, but this is to be expected.         > Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.         > Mean Sea Surface: 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.         > GeoFFL_SIR_IOP_2_20210208T232738_20210208T01717_C001       Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography Light (solution 1)         CS_OF	· · · · · · · · · · · · · · · · · · ·		und/an awaye value of hur the surround as support was associated by the
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors:  0  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, three 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.  > 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 effected 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. > Mans Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected. > Mans Sea Strate Bias PLRM: The error value is currently set for products over land and sea ice, but this is to be expected. > Mans Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected. > Mumber of products with errors: 30 Product CG_OFFL_SIR_IOP_2_20210208T03728_20210209T001717_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Copography (1) CS_OFFL_SIR_IOP_2_20210209T017015631_20210209T015653_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOP_2_20210209T015631_C001 Mean Sea Surface (1), Mean Dynamic Topography height (	For all products, a series of pre-defined checks are performed on the MPH and \$	SPH in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.
Number of products with errors:       0         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         5       5         6       5         5       5		SPH in order to identify any inconsistencies a	maror errors raised by the ground-segment processing chain.
Number of products with errors:         0           64.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 corrections errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below.           > > ConfWF Meto Corrections: Currently the following corrections are not computed over CONTINENTAL (CE: Dry Tropospheric Correction, Wet Tropospheric Correction, inverse Barometric Correction in 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 computed over CONTINENTAL (CE: Dry Tropospheric Correction, Wet Tropospheric Correction, Tropospheric Correction, Wet Tropospheric Correction, Wetary Tropospheric Correction, Wet Tropospheric Correction, Wetary	Number of products with errors: 0	SPH in order to identify any inconsistencies a	maror errors raised by the ground-segment processing chain.
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.         > ECMUF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.         > Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.         > Attimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         > Attimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         > Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_IOP_2_20210209T0010717_20210209T001663_202100209T015631_2001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)       There is an error with the MSS	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check		
For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).         Currently, there are some common auxiliary correction errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.         > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction in 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 Lable below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over lead in the sis to be expected.         > Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.         > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.         > Attimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         Number of products with errors:       30         Product       Test Failed       Description         Cs_OFFL_SIR_IOP_2_20210208T232738_20210209T001717_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography Light (solution 1)         Cs_OFFL_SIR_IOP_2_20210209T	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre-compared product is checked for missing Data Set Descriptors with respect to a pre-compared product is checked for missing Data Set Descriptors with respect to a pre-compared product is checked for missing Data Set Descriptors with respect to a pre-compared product is checked for missing Data Set Descriptors with respect to a pre-compared product is checked for missing Data Set Descriptors with respect to a pre-compared product is checked for missing Data Set Descriptors with respect to a pre-compared product is checked for missing Data Set Descriptors with respect to a pre-compared product is checked for missing Data Set Descriptors with respect to a pre-compared product is checked for missing Data Set Descriptors with respect to a pre-compared product product is checked for missing Data Set Descriptors with respect to a pre-compared product prod		
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not reported in the table below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.         > Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.         > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.         > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         Number of products with errors:       30         Product       Test Failed       Description         CS_OFFL_SIR_IOP_2_20210208T232738_20210209T001717_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography Light (solution 1)         CS_OFFL_SIR_IOP_2_20210209T001717_20210209T010653_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_IOP_2_20210209T016653_20210209T015631_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T015631_20210209T015631_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre-on- Number of products with errors:         0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the	letermined baseline and also to check the va ked for the default error value (32767). Level 2 products which are expected due	alidity of Auxiliary Data Files is correct.
<ul> <li>&gt; Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.</li> <li>&gt; Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.</li> <li>&gt; Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.</li> <li>Number of products with errors: 30</li> <li>Product Test Failed Description</li> <li>Cs_OFFL_SIR_IOP_2_20210208T232738_20210209T001717_C001</li> <li>Mean Sea Surface (1), Mean Dynamic Topography (1)</li> <li>Cs_OFFL_SIR_IOP_2_20210209T001717_20210209T010653_C001</li> <li>Mean Sea Surface (1), Mean Dynamic Topography (1)</li> <li>Cs_OFFL_SIR_IOP_2_20210209T010653_20210209T015631_C001</li> <li>Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)</li> <li>Cs_OFFL_SIR_IOP_2_20210209T01653_20210209T015631_C001</li> <li>Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)</li> <li>Cs_OFFL_SIR_IOP_2_20210209T015631_20210209T01663_C001</li> <li>Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)</li> <li>Cs_OFFL_SIR_IOP_2_20210209T01653_20210209T01663_C001</li> <li>Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)</li> <li>Cs_OFFL_SIR_IOP_2_20210209T01653_20210209T01663_C001</li> <li>Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)</li> <li>Cs_OFFL_SIR_IOP_2_20210209T01653_20210209T01663_C001</li> <li>Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)</li> <li>Cs_OFFL_SIR_IOP_2_20210209T015631_20210209T024607_C001</li> <li>Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)</li> </ul>	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre-order of products with errors:         0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise from > ECMWF Meteo Corrections: Currently the following corrections are not comp	letermined baseline and also to check the va ked for the default error value (32767). Level 2 products which are expected due n this test. uted over CONTINENTAL ICE: Dry Troposp	alidity of Auxiliary Data Files is correct.
> Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.         > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         Number of products with errors:       30         Product       Test Failed       Description         CS_OFFL_SIR_IOP_2_20210208T232738_20210209T001717_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_IOP_2_20210209T001717_20210209T01653_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T010653_20210209T015631_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T010653_20210209T015631_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T010653_20210209T015631_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T015631_20210209T024607_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T015631_20210209T024607_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T015631_20210209T024607_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre-on- Number of products with errors:         0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise from > ECMWF Meteo Corrections: Currently the following corrections are not comp Correction and the U-Wind and V-Wind components of the ECMWF model wind not reported in the table below.	determined baseline and also to check the value (32767). Level 2 products which are expected due not in this test. uted over CONTINENTAL ICE: Dry Troposp vector. This is a known anomaly (CRYO-CC	alidity of Auxiliary Data Files is correct. e to surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric IP-3) and will be resolved in a future IPF update. The affected products are
> Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         Number of products with errors:       30         Product       Test Failed       Description         CS_OFFL_SIR_IOP_2_20210208T232738_20210209T001717_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_IOP_2_20210209T001717_20210209T010653_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_IOP_2_20210209T010653_20210209T015631_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_IOP_2_20210209T016653_20210209T015631_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_IOP_2_20210209T015631_20210209T024607_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre-construction of products with errors:         0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise from > ECMWF Meteo Corrections: Currently the following corrections are not comp Correction and the U-Wind and V-Wind components of the ECMWF model wind not reported in the table below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for p	determined baseline and also to check the value (32767). Level 2 products which are expected due n this test. uted over CONTINENTAL ICE: Dry Troposp vector. This is a known anomaly (CRYO-CO	alidity of Auxiliary Data Files is correct. e to surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric IP-3) and will be resolved in a future IPF update. The affected products are
Number of products with errors:     30       Product     Test Failed     Description       CS_OFFL_SIR_IOP_2_20210208T232738_20210209T001717_C001     Mean Sea Surface (1), Mean Dynamic Topography (1)     There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)       CS_OFFL_SIR_IOP_2_20210209T001717_20210209T010653_C001     Mean Sea Surface (1), Mean Dynamic Topography (1)     There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)       CS_OFFL_SIR_IOP_2_20210209T010653_20210209T015631_C001     Mean Sea Surface (1), Mean Dynamic Topography (1)     There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)       CS_OFFL_SIR_IOP_2_20210209T015631_20210209T024607_C001     Mean Sea Surface (1), Mean Dynamic Topography (1)     There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre-compared products with errors:         0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise from > ECMWF Meteo Corrections: Currently the following corrections are not comp Correction and the U-Wind and V-Wind components of the ECMWF model wind not reported in the table below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for p         > Mean Sea Surface: The error value is currently set for products over land and	tetermined baseline and also to check the value (32767). Level 2 products which are expected due on this test. uted over CONTINENTAL ICE: Dry Troposp vector. This is a known anomaly (CRYO-CO roducts over sea ice, but this is to be expected.	alidity of Auxiliary Data Files is correct. e to surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric IP-3) and will be resolved in a future IPF update. The affected products are ed.
Product       Test Failed       Description         CS_OFFL_SIR_IOP_2_20210208T232738_20210209T001717_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (solution 1)         CS_OFFL_SIR_IOP_2_20210209T001717_20210209T010653_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (solution 1)         CS_OFFL_SIR_IOP_2_20210209T010653_20210209T015631_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (solution 1)         CS_OFFL_SIR_IOP_2_20210209T015631_20210209T024607_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T015631_20210209T024607_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre- Number of products with errors:         0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise from         > ECMWF Meteo Corrections: Currently the following corrections are not comp Correction and the U-Wind and V-Wind components of the ECMWF model wind not reported in the table below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography:	determined baseline and also to check the value determined baseline which are expected due to the the test. Nuted over CONTINENTAL ICE: Dry Troposp vector. This is a known anomaly (CRYO-CO roducts over sea ice, but this is to be expected sea ice, but this is to be expected. r land and sea ice, but this is to be expected.	alidity of Auxiliary Data Files is correct.
CS_OFFL_SIR_IOP_2_20210208T232738_20210209T001717_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T001717_20210209T010653_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T010653_20210209T015631_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_IOP_2_20210209T010653_20210209T015631_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T015631_20210209T024607_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre-composition of products with errors:         0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise from > ECMWF Meteo Corrections: Currently the following corrections are not comp Correction and the U-Wind and V-Wind components of the ECMWF model wind not reported in the table below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Altimetric Wind Speed Error: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is current	determined baseline and also to check the value determined baseline which are expected due to the the test. Nuted over CONTINENTAL ICE: Dry Troposp vector. This is a known anomaly (CRYO-CO roducts over sea ice, but this is to be expected sea ice, but this is to be expected. r land and sea ice, but this is to be expected.	alidity of Auxiliary Data Files is correct.
CS_OFFL_SIR_IOP_2_202102081232738_20210209T001717_C001       Topography (1)       Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T001717_20210209T010653_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T010653_20210209T015631_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T015631_20210209T024607_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre- Number of products with errors:         0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the following corrections are not comp         > ECMWF Meteo Corrections: Currently the following corrections are not comp         Correction and the U-Wind and V-Wind components of the ECMWF model wind not reported in the table below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over land and the U-Mind error value is currently set for products over land and the U-Mind error value is currently set for products over land and below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over land and below.         > Mean Eagurface: The error value is currently set for products over land and below.         > Mean Dynamic Topography: The error value is currently set for products over land and below.         > Altimetric Wind Speed Error: The error value is currently set for products over land and below.         > Mumber of products with errors:       30	tetermined baseline and also to check the value (32767). Level 2 products which are expected due on this test. In this test. In the default error value (32767). Level 2 products which are expected due on this test. In this test. In this is a known anomaly (CRYO-CO roducts over sea ice, but this is to be expected on this is to be expected on this is to be expected on the this is to be expected on the this is to be expected on the this is	alidity of Auxiliary Data Files is correct. • to surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric IP-3) and will be resolved in a future IPF update. The affected products are ed.
CS_OFFL_SIR_IOP_2_20210209T010653_20210209T010653_C001       Topography (1)       Topography height (solution 1)         CS_OFFL_SIR_IOP_2_20210209T010653_20210209T015631_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_IOP_2_20210209T015631_20210209T024607_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) and the Mean Dynamic         Topography (1)       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) and the Mean Dynamic	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre- Number of products with errors:         0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the following corrections are not comp         > ECMWF Meteo Corrections: Currently the following corrections are not comp         Correction and the U-Wind and V-Wind components of the ECMWF model wind not reported in the table below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over land and the U-Mind error value is currently set for products over land and the U-Mind error value is currently set for products over land and below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over land and below.         > Mean Eagurface: The error value is currently set for products over land and below.         > Mean Dynamic Topography: The error value is currently set for products over land and below.         > Altimetric Wind Speed Error: The error value is currently set for products over land and below.         > Mumber of products with errors:       30	determined baseline and also to check the value determined baseline and also to check the value determined baseline and also to check the value determined baseline and and sea ice, but this is to be expected ar land and sea ice, but this is to be expected ar land and sea ice, but this is to be expected ar land and sea ice, but this is to be expected ar land and sea ice, but this is to be expected ar land and sea ice, but this is to be expected ar land and sea ice, but this is to be expected ar land and sea ice, but this is to be expected ar land and sea ice, but this is to be expected ar land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land and sea ice, but this is to be expected are land a	alidity of Auxiliary Data Files is correct. e to surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric IP-3) and will be resolved in a future IPF update. The affected products are ed.
CS_OFFL_SIR_IOP_2_20210209T015631_20210209T015631_20210209T024607_C001     Topography (1)     Topography height (solution 1)       CS_OFFL_SIR_IOP_2_20210209T015631_20210209T024607_C001     Mean Sea Surface (1), Mean Dynamic Topography (1)     There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre-composition of products with errors:         0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise from > ECMWF Meteo Corrections: Currently the following corrections are not comp Correction and the U-Wind and V-Wind components of the ECMWF model wind not reported in the table below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over Number of products with errors:       30         Product       Main Sea Surface: Surface:       30	tetermined baseline and also to check the value (32767). Level 2 products which are expected due on this test. uted over CONTINENTAL ICE: Dry Troposp vector. This is a known anomaly (CRYO-CO roducts over sea ice, but this is to be expected sea ice, but this is to be expected. r land and sea ice, but this is to be expected and and sea ice, but this is to be expected. Test Failed Mean Sea Surface (1), Mean Dynamic	alidity of Auxiliary Data Files is correct. a to surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric IP-3) and will be resolved in a future IPF update. The affected products are ed. d. Description There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_IOP_2_202102091015051_202102091024607_0001         Topography (1)         Topography height (solution 1)	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre-construction of products with errors:         0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise from > ECMWF Meteo Corrections: Currently the following corrections are not comp Correction and the U-Wind and V-Wind components of the ECMWF model wind not reported in the table below.         > See State Bias & Sea State Bias PLRM: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over land and > Construction with errors:         30       Product         Cs_OFFL_SIR_IOP_2_20210208T232738_20210209T001717_C001	determined baseline and also to check the value (32767). Level 2 products which are expected due not this test. uted over CONTINENTAL ICE: Dry Troposp vector. This is a known anomaly (CRYO-CO) roducts over sea ice, but this is to be expected. read and sea ice, but this is to be expected are land and sea ice, but this is to be expected. r land and sea ice, but this is to be expected are land and sea ice, but this is to be expected. Test Failed Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic	alidity of Auxiliary Data Files is correct.
Nean Sea Surface (4) Nean Dumonia	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre- Number of products with errors:         0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise from > ECMWF Meteo Corrections: Currently the following corrections are not comp Correction and the U-Wind and V-Wind components of the ECMWF model wind not reported in the table below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over land and > Mean Dynamic Topography: The error value is currently set for products over Number of products with errors:         > Mumber of products with errors:       30         Product       CS_OFFL_SIR_IOP_2_20210208T232738_20210209T001717_C001         CS_OFFL_SIR_IOP_2_20210209T001717_20210209T010653_C001       CS_OFFL_SIR_IOP_2_20210209T001717_20210209T010653_C001	Addetermined baseline and also to check the value (32767). Level 2 products which are expected due to this test. Uted over CONTINENTAL ICE: Dry Troposp vector. This is a known anomaly (CRYO-CC) roducts over sea ice, but this is to be expected. Tropoducts over sea ice, but this is to be expected and sea ice, but this is to be expected. Trand and sea ice, but this is to be expected are land and sea ice, but this is to be expected. Test Failed Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1)	Alidity of Auxiliary Data Files is correct.
CS_OFFL_SIR_IOP_2_20210209T024607_20210209T033546_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)	Number of products with errors:       0         6.3 P2P Auxiliary Data File Usage Check         Each product is checked for missing Data Set Descriptors with respect to a pre-oce         Number of products with errors:       0         6.4 P2P Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise from         > ECMWF Meteo Corrections: Currently the following corrections are not comp         Correction and the U-Wind and V-Wind components of the ECMWF model wind not reported in the table below.         > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over land and         > Mean Dynamic Topography: The error value is currently set for products over land and         > Mumber of products with errors:       30         Product       30         Product       30         Cs_OFFL_SIR_IOP_2_20210208T232738_20210209T001717_C001         CS_OFFL_SIR_IOP_2_20210209T001717_20210209T001653_C001         Cs_OFFL_SIR_IOP_2_20210209T010653_20210209T015631_C001	Addetermined baseline and also to check the value (32767). Level 2 products which are expected due to this test. In this is a known anomaly (CRYO-CO roducts over sea ice, but this is to be expected. In this test be expected. In this test be expected. In this test be this is to be expected. In this test be the this is to be expected. In this test be the test be the test be the test be the test be	alidity of Auxiliary Data Files is correct.

CS\_OFFL\_SIR\_IOP\_2\_20210209T033546\_20210209T042522\_C001

Mean Sea 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_220210209T042522_20210209T051501_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T051501_20210209T060437_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T060437_20210209T065415_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T065415_20210209T074351_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T074351_20210209T083330_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T083330_20210209T092306_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T092306_20210209T101245_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T101245_20210209T110221_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T110221_20210209T115159_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T115159_20210209T124136_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T124136_20210209T133114_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T133114_20210209T142050_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T142050_20210209T151029_C001	Mean Sea 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_220210209T151029_20210209T160005_C001	Mean Sea 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_220210209T160005_20210209T164943_C001	Mean Sea 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_220210209T164943_20210209T173919_C002	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_220210209T173919_20210209T182858_C001	Mean Sea 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_220210209T182858_20210209T191834_C001	Mean Sea 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_220210209T191834_20210209T200813_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_220210209T200813_20210209T205749_C001	Mean Sea 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_220210209T205749_20210209T214728_C001	Mean Sea 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_220210209T214728_20210209T223704_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic
	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20210209T223704_20210209T232642_C001		

# 6.5 P2P Measurement Confidence Data Check

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

0

Number of products with errors:

6.6 P2P Measurement Quality F	6.6 P2P Measurement Quality Flag Check							
P2P Quality Flags (20Hz)								
CryoSat P2P data includes Quality Flags for ea	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 direct	from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.							
Number of products with errors:	30							
P2P Quality Flags (20Hz PLRM)	22P 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							

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.

30

29

30

21

2156

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	207	207	3	204	0
SIR_IOPR1B	138	108	3	105	0
SIR_IOPN1B	108	138	0	138	0
SIR_IOPM_2	207	207	146	61	0
SIR_IOPR_2	138	108	39	69	0
SIR_IOPN_2	108	138	58	73	7
SIR_IOP_P2P	29	29	0	23	6

#### 7.1 QCC Errors

Number of QCC reports with errors:

	Total number of occurrences of each error										
Product Type	RLOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	-	-	-	-	-
SIR_IOPR_2	7	1	7	7	1	7					
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_IOP_2_	6	6	6	6							

Test Description Key:						
Abbreviation	Test name	Details				
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7				
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6				
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7				
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7				
RL	RangeLongitude_6	Longitude should be between -180E6 and 180E6				
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7				

### 7.2 QCC Warnings

Number of QCC reports with warnings

				nber of occurrences of			
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMN
SIR_IOPM1B	204	0	0	0	0	0	0
SIR_IOPM_2	0	0	40	45	0	43	0
SIR_IOPN1B	103	0	0	0	0	0	0
SIR_IOPN_2	0	0	13	32	2	25	28
SIR_IOPR1B	134	0	0	0	0	0	0
SIR_IOPR_2	0	7	22	33	1	23	21
Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSAR		DIRPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR IOPM1B	0	0	0	0	0	0	0
SIR IOPM 2	36	0	35	0	0	0	0
SIR IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	21	0	0	0	22	0	38
SIR IOPR1B	0	0	0	0	0	0	0
SIR IOPR 2	11	1	0	32	0	38	0
Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	29	0	0	10	26	0	4
SIR_IOPN1B	0	0	0	0	0	0	0
SIR IOPN 2	0	0	23	17	43	55	35
SIR IOPR1B	0	0	0	0	0	0	0
SIR IOPR 2	0	33	0	4	57	30	7
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCI	DF RSWHOEPNCDF	SPHRTASCNSNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF
SIR_IOPM1B	0	0	0	1	0	0	0
SIR_IOPM_2	35	0	3	1	0	0	0
SIR_IOPN1B	0	0	0	0	0	0	46
SIR_IOPN_2	27	26	17	2	0	3	0
SIR IOPR1B	0	0	0	1	0	0	138
SIR_IOPR_2	25	34	2	0	1	12	0
		1		1		4	
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
SIR_IOP_2_	16	29	28	3	28	18	28
Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINN		RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR IOP 2	1	15	27	18	19	29	19
Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCD	F RSWHOEPNCDF	SPHLPQWNCDF	-	-
SIR_IOP_2_	28	28	18	18	29		
Product Type	-	•	-	-	-	-	-

Test Description Key:		
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 latitudes between -70 and 70 degrees
RBSZOPOEPFDPLRM	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSAR	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 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
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch
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 Q	CC Reports
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Number of products with missing QCC reports:

0