

QA4EO Daily Report for IOP data:

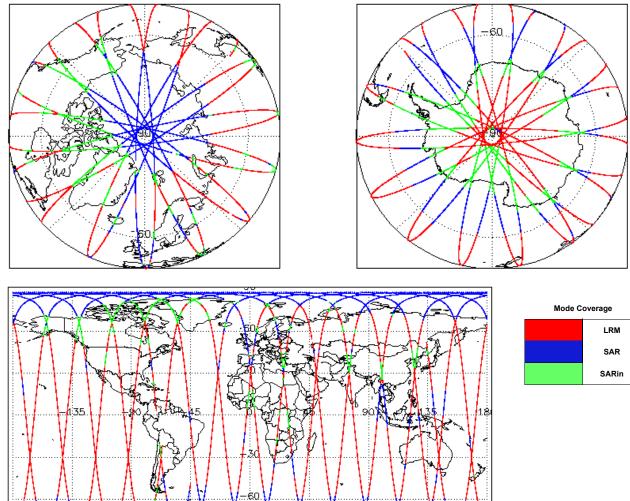
<u>12/09/2020</u>

an art Draduction.	15 0 - 2020	Check	L1 & L2	P2P
Report Production:	15-Sep-2020	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Due e e e e e e e e e e e e e e	0.010.5	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Dete Heed	Intermediate Ocean Products (IOP)	Product Format Check	Nominal	Nominal
Data Used: L1B, L2 & P2P Science Data	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1, 7.2

1. Overview

Mission / Instru	ment News
11-Sep-2020	None
12-Sep-2020	None
13-Sep-2020	Nothing planned





3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

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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).

4.2 L1B Product Header Analysis				
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For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.				
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B IOPR and IOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.				
Number of products with errors: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-	e-determined baseline and also to check the	validity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement recor	d. The bit value of this flag indicates any prob	plems when set.		
Number of products with errors: 0				
4.5.1.4. Macourament Confidence Data Chack				
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurem	-			
Attitude Correction Missing: This flag is currently set in error for IOPR produ	ucts due to a configuration issue. This is being	g investigated and will be updated in the next SW update.		
Number of products with errors: 3				
Product	Test Failed	Description		
CS_OFFL_SIR_IOPM1B_20200912T042823_20200912T043201_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records		
CS_OFFL_SIR_IOPM1B_20200912T192113_20200912T192506_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records		
CS_OFFL_SIR_IOPM1B_20200912T233508_20200912T234420_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records		
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record	d. The hit value of this flag indicates any proh	lems when set		
Loss of Echo Flag: This flag is currently set for products over land, but this is				
Number of products with errors: 17				
Deceluet	Took Falled	Description		
Product CS_OFFL_SIR_IOPM1B_20200912T010738_20200912T012459_C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPM1B_20200912T060853_20200912T063924_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20200912T010515_20200912T010738_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20200912T014000_20200912T014107_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20200912T014425_20200912T014811_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20200912T024434_20200912T024620_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20200912T073138_20200912T073231_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20200912T122902_20200912T123407_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20200912T132651_20200912T133302_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20200912T140843_20200912T141253_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20200912T172209_20200912T172809_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPN1B_20200912T192606_20200912T192813_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20200912T090709_20200912T091148_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20200912T091531_20200912T092343_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20200912T115237_20200912T115712_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20200912T145546_20200912T145732_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_IOPR1B_20200912T164830_20200912T165054_C001	Loss of Echo	The tracking echo is missing for one or more records		
5. 10	P Level 2 Data Quality Ch	eck		
5.1 L2 Product Format Check				
	Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).			
		(
Number of products with errors: 0		()		
Number of products with errors: 0 5.2 L2 Product Header Analysis				

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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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.

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20200912T001920_20200912T003412_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPM_2_20200912T041236_20200912T041534_C001	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 Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_IOPM_2_20200912T135224_20200912T135607_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPM_2_20200912T155848_20200912T160203_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20200912T000718_20200912T000953_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_20200912T010234_20200912T010346_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_20200912T014425_20200912T014811_C001	Mean Sea Surface (1), Mean 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_20200912T024156_20200912T024419_C001	Mean Sea Surface (1), Mean 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_20200912T024434_20200912T024620_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20200912T032439_20200912T032630_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_20200912T033451_20200912T033704_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_20200912T042147_20200912T042618_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_20200912T050416_20200912T050555_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_20200912T060358_20200912T060852_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20200912T064413_20200912T064753_C001	Mean Sea Surface (1), Mean 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_20200912T082341_20200912T082658_C001	Mean Sea Surface (1), Mean 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_20200912T083210_20200912T083336_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_20200912T101117_20200912T101224_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_20200912T105337_20200912T105452_C001	Mean Sea Surface (1), Mean 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_20200912T122902_20200912T123407_C001	Mean Sea Surface (1), Mean 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_20200912T140843_20200912T141253_C001	Mean Sea Surface (1), Mean 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_20200912T145732_20200912T145951_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_20200912T154726_20200912T155116_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_20200912T164714_20200912T164830_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_20200912T182620_20200912T182737_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_20200912T191943_20200912T192059_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_20200912T192606_20200912T192813_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_20200912T195624_20200912T195750_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_20200912T200312_20200912T200620_C001	Mean Sea Surface (1), Mean 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_20200912T213608_20200912T213806_C001	Mean Sea Surface (1), Mean 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_20200912T214212_20200912T214542_C001	Mean Sea Surface (1), Mean 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_20200912T231651_20200912T231925_C001	Mean Sea Surface (1), Mean 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_20200912T005553_20200912T010047_C001	Mean Sea Surface (1), Mean 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_20200912T010047_20200912T010234_C001	Mean Sea Surface (1), Mean 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_20200912T021317_20200912T022133_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_20200912T023534_20200912T024155_C001	Mean Sea Surface (1), Mean 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_20200912T041722_20200912T042146_C001	Mean Sea Surface (1), Mean 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_20200912T055544_20200912T060358_C001	Mean Sea Surface (1), Mean 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_20200912T073515_20200912T074303_C001	Mean Sea Surface (1), Mean 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_20200912T091531_20200912T092343_C001	Mean Sea Surface (1), Mean 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_20200912T105452_20200912T110214_C001	Mean Sea Surface (1), Mean 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_20200912T123407_20200912T124141_C001	Mean Sea Surface (1), Mean 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_20200912T141253_20200912T141947_C001	Mean Sea Surface (1), Mean 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_20200912T155116_20200912T155848_C001	Mean Sea Surface (1), Mean 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_20200912T172809_20200912T173552_C001	Mean Sea Surface (1), Mean 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_20200912T190743_20200912T191402_C001	Mean Sea Surface (1), Mean 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_20200912T191402_20200912T191544_C001	Mean Sea Surface (1), Mean 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_20200912T192059_20200912T192113_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_20200912T204529_20200912T205302_C001	Mean Sea Surface (1), Mean 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_20200912T205302_20200912T205438_C001	Mean Sea Surface (1), Mean 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_20200912T222529_20200912T223200_C001	Mean Sea Surface (1), Mean 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_20200912T223200_20200912T223328_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20200912T042823_20200912T043201_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20200912T192113_20200912T192506_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20200912T233508_20200912T234420_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20200911T234758_20200912T000123_C001	S	The Ocean Altimeter Range, SSHA, SWH 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_20200912T000953_20200912T001151_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_20200912T001314_20200912T001653_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_20200912T001920_20200912T003412_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_20200912T003614_20200912T004536_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_20200912T010738_20200912T012459_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_20200912T014107_20200912T014222_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_20200912T014811_20200912T015555_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_20200912T015905_20200912T021317_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_20200912T024736_20200912T024953_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_20200912T025117_20200912T032243_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_20200912T032854_20200912T033451_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_20200912T033856_20200912T040312_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_20200912T041236_20200912T041534_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_20200912T043455_20200912T043511_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_20200912T043514_20200912T043516_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_20200912T043519_20200912T050152_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_20200912T050842_20200912T051300_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_20200912T051818_20200912T054246_C001	Osean Altimates Dense COLLA CIA/LL	
00_0FFE_0HT_10FM_2_202009121031010_202009121094240_0001	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_202009121051818_202009121054246_C001 CS_OFFL_SIR_IOPM_2_20200912T054345_20200912T054558_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG	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
CS_OFFL_SIR_IOPM_2_20200912T054345_20200912T054558_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	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. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200912T054345_20200912T054558_C001 CS_OFFL_SIR_IOPM_2_20200912T054855_20200912T055544_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	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. The Ocean Altimeter 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 Ocean Altimeter Range, SSHA, SWH 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_20200912T054345_20200912T054558_C001 CS_OFFL_SIR_IOPM_2_20200912T054855_20200912T055544_C001 CS_OFFL_SIR_IOPM_2_20200912T060853_20200912T063924_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG	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. The Ocean Altimeter 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 Ocean Altimeter 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. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20200912T054345_20200912T054558_C001 CS_OFFL_SIR_IOPM_2_20200912T054855_20200912T055544_C001 CS_OFFL_SIR_IOPM_2_20200912T060853_20200912T063924_C001 CS_OFFL_SIR_IOPM_2_20200912T064753_20200912T065333_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	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. The Ocean Altimeter 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 Ocean Altimeter 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. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20200912T054345_20200912T054558_C001 CS_OFFL_SIR_IOPM_2_20200912T054855_20200912T055544_C001 CS_OFFL_SIR_IOPM_2_20200912T060853_20200912T063924_C001 CS_OFFL_SIR_IOPM_2_20200912T064753_20200912T065333_C001 CS_OFFL_SIR_IOPM_2_20200912T065720_20200912T070115_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	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. The Ocean Altimeter 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 Ocean Altimeter 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 Ocean 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. The Ocean Altimeter 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 Ocean Altimeter 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 Ocean Altimeter 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 Ocean Altimeter Range, SSHA, SWH 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_20200912T054345_20200912T054558_C001 CS_OFFL_SIR_IOPM_2_20200912T054855_20200912T055544_C001 CS_OFFL_SIR_IOPM_2_20200912T060853_20200912T063924_C001 CS_OFFL_SIR_IOPM_2_20200912T064753_20200912T065333_C001 CS_OFFL_SIR_IOPM_2_20200912T065720_20200912T070115_C001 CS_OFFL_SIR_IOPM_2_20200912T073231_20200912T073425_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	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. The Ocean Altimeter 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 Ocean Altimeter 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 Ocean 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. The Ocean Altimeter 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 Ocean Altimeter 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 Ocean Altimeter 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 Ocean Altimeter Range, SSHA, SWH 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_20200912T083743_20200912T085349_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_20200912T091148_20200912T091301_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_20200912T092343_20200912T095845_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_20200912T100705_20200912T101117_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_20200912T101631_20200912T104146_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_20200912T104209_20200912T104937_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_20200912T104937_20200912T105015_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_20200912T110215_20200912T111636_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_20200912T112117_20200912T112250_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_20200912T112316_20200912T113256_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_20200912T113447_20200912T113803_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_20200912T115712_20200912T120932_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_IOPM_2_20200912T121136_20200912T122902_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_IOPM_2_20200912T124141_20200912T124709_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_20200912T125108_20200912T130013_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_20200912T130241_20200912T131004_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_20200912T131110_20200912T131701_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_20200912T132006_20200912T132500_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_20200912T135224_20200912T135607_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_20200912T135646_20200912T135914_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_20200912T140522_20200912T140843_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_20200912T144042_20200912T145545_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_20200912T145951_20200912T150428_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_20200912T151205_20200912T154521_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_20200912T161028_20200912T163452_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_20200912T163825_20200912T164330_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

Dispersion Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	CS_OFFL_SIR_IOPM_2_20200912T164349_20200912T164714_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
GB (HPL, BR, OPPL 2, 2006917117142, 2005917117146, 200 ore Bockstetr Cub/P, DDD bet & CODE Allebrack Range and Backacetr Cub/P, Rups Noise Cell S0, DPL, BR, OPPL 2, 20069171171611, 2005917117261, 200 Deer Allebrack Range and Backacetr Cub/P, Rups Noise Cell S0, DPL, BR, OPPL 2, 2006917117661, 2005917117661, 200 Deer Allebrack Range and Backacetr Cub/P, Rups Noise Cell S0, DPL, BR, OPPL 2, 2006917117661, 2005917117661, 200 Deer Allebrack Range and Backacetr Cub/P, Rups Noise Cell S0, DPL, BR, OPPL 2, 2006917116610, 2005917116610, 2001 Deer Allebrack Range and Backacetr Cub/P, Rups Noise Cell S0, DPL, BR, OPPL 2, 2006917116610, 2005917116610, 2001 Deer Allebrack Range and Backacetr Cub/P, Rups Noise Cell S0, DPL, BR, OPPL 2, 2006917116610, 2005917116610, 2001 Deer Allebrack Range and Backacetr Cub/P, Rups Noise Range and Rups Range Rang	CS_OFFL_SIR_IOPM_2_20200912T165054_20200912T171711_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS, OFL, SR, DPM Z, 20009/1711/011, 2009/1711/011, 2009 end bioscient Coulds (Figs. Biol. Spin) into COOR Almente Frage, and Bootscient Coulds (Figs. Figs. Biol. Spin) CS, OFL, SR, DPM Z, 20009/1711/011, 2009/1711/011, 2001 Disor Affancts Frage, SRA, Spin (Coor Affance Frage, SRA, Spin) The COOR Almente Frage, and Bootscient Coulds (Figs. Figs. Spin) CG, OFL, SR, DPM Z, 20009/1711/011, 2009 DOSO Affance Frage, SRA, Spin (Coor Affance Frage, SRA, Spin) The COOR Almente Frage, SRA, Spin (Coor Affance Frage, SRA, Spin) CG, OFL, SR, DPM Z, 20009/1711/011, 2009 DOSO Affance Frage, SRA, Spin (Coor Affance Frage, SRA, Spin) The COOR Almente Frage and Bootscient Coulds (Figs. Figs. Spin), Spin (Coor Affance Frage, SRA, Spin), Spin (Coor Affance Frage, SRA, Spin (Coor Affance Frage, SRA, Spin), Spin (Coor Affance Frage, SRA, Spin	CS_OFFL_SIR_IOPM_2_20200912T171742_20200912T171746_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
 Gel GHL GRI, IGM 2. 2020912117603. 2020912177613. Oxton 177641. 2020912177613. 2020912177613. 2020912177613. 2020912177613. 2020912177613. 2020912777613. 2020912777613. 2020912777613. 2020912777613. 2020912777613. 2020912777613. 2020912777613. 2020912777613. 2020912777613. 2020912777613. 2020912777613. 20209127776658. 2001 Confrt, GRI, IGM 2. 20209127776658. 20209127776658. 2001 Confrt, GRI, IGM 2. 20209127716658. 20209127716668. 2001 Confrt, GRI, IGM 2. 20209127716658. 20209127716668. 2001 Confrt, GRI, IGM 2. 2020912716658. 2020912716668. 2001 Confrt, GRI, IGM 2. 2020912716658. 2020912716668. 2001 Confrt, GRI, IGM 2. 2020912716658. 2000912716668. 2001 Confrt, GRI, IGM 2. 2020912716658. 2001 Confrt, GRI, IGM 2. 2020912716668. 2001 Confrt, GRI, IGM 2. 2020912716668. 2001 Confrt, GRI, IGM 2. 2020912716658. 2001 Confrt, GRI, IGM 2. 2020912716658. 2001 Confrt, GRI, IGM 2. 2020912716658. 2001 Confrt, GRI, IGM 2. 20209127176658. 2001 Confrt, G	CS_OFFL_SIR_IOPM_2_20200912T171911_20200912T172209_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
USE_DMP_UNC_DMUC_DUBUNCT INSUL_DUBUNCT INSUL_DUBUNCT Modelscare (Latiny for one in more sects. CAL_DMP_UNC_DMUC_DUBUNCT INSUL_DUBUNCT INSUL_DUBUNCT Cole An Alimeter Range, SBIA, SMIA The Over Alimeter Range, SBIA, SMIA and Backsarder Quality Flags have been set in to one in more sects. CAL_DMP_UNC_DMUC_DUBUNCT INSUL_QUBUNCT INSUL_QUBUNCT COCID Alimeter Range Quality, COCID Alimeter Range, SBIA, SMIA Alimeter Range Quality, COCID Alimeter Range Quality, COCID Alimeter Range, SBIA, SMIA Alimeter Range, SBIA, SMIA Alimeter Range Quality, COCID Alimeter Range Quality, COCID Alimeter Range, SBIA, SMIA Alimeter Range, SBIA, SMIA Alimeter Range, SBIA, SMIA Alimeter Range Quality, COCID Alimeter Range, SBIA, SMIA Alimeter Range, SBIA, SMIA Alimeter Range, SBIA, SMIA Alimeter Range Alimeter Alimy, COCID Alimeter Range Quality, COCID Alimeter Range Quality, COCID Alimeter Range Alimy, COCID Al	CS_OFFL_SIR_IOPM_2_20200912T173853_20200912T174515_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CBL_GRFL_SRFLORM_2_R0000017110468_00000017110244_00001 dot Backacetur Quality, COCG Matter R Page, SBRL, COCK and Backacetur Quality, COCG Matter R Page, SBRL, SBRL, COCK and Backacetur Quality, COCG R Cock Q SBRL, SBRL, COCK The COCK Allineter Regre and Backacetur Quality Page have been set to row or now records. CGL_GRFL_SRFLORM_2_200000171102244_0001 COCG Allineter Regre SBRL, SBRL, SBRL, COCG Allineter Regre SBRL, SBRL, SBRL, COCG Allineter Regre SBRL, SBRL, SBRL, COCG Allineter Regre SBRL, COCG Allineter Regr	CS_OFFL_SIR_IOPM_2_20200912T174551_20200912T174813_C001		
CCUPT_SIM_UPIN_2_0000017118100_0000017118000_00001 Backscatter Guality Eer ore or more records. CS_OPPL_SIM_UPIN_2_0000017118206_000017118000_0001 DCOD Alimeter Range Outliny.COCO The COCO Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OPPL_SIM_UPIN_2_0000017118106_00001 Cocean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OPFL_SIM_UPIN_2_00000171191944_00000177119048_0001 Cocean Alimeter Range on Blackscatter Quality Flags have been set for one or more records. CS_OPFL_SIM_UPIN_2_00000177119048_0000177119048_0001 Cocean Alimeter Range on Blackscatter Quality Flags have been set for one or more records. CS_OPFL_SIM_UPIN_2_00000177119048_0000177119048_0001 Cocean Alimeter Range on Blackscatter Quality Flags have been set for one or more records. CS_OPFL_SIM_UPIN_2_00000177119048_0001 Cocean Alimeter Range on Blackscatter Quality Flags have been set for one or more records. CS_OPFL_SIN_UPIN_2_00000177119048_00001 Cocean Alimeter Range on Blackscatter Quality Flags have been set for one or more records. CS_OPFL_SIN_UPIN_2_00000177119048_00001 Cocean Alimeter Range on Blackscatter Quality Flags have been set for one or more records. CS_OPFL_SIN_UPIN_2_00000177119048_00001 Cocean Alimeter Range on Blackscatter Quality Flags have been set for one or none r	CS_OFFL_SIR_IOPM_2_20200912T174818_20200912T181419_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_DFL_SR_UPH_C2_000017110204_20000171102040_0001 Badacader Gualty for ore or more reacts. CS_OFFL_SR_UPH_2_0000171102040_0001 Celean Attinuetr Raps, SSIA, SWH and Badcader Gualty / Raps CS_OFFL_SR_UPH_2_00001711012040_0001 Celean Attinuetr Raps, SSIA, SWH and Badcader Gualty / Raps CS_OFFL_SR_UPH_2_00001711012040_0001 Celean Attinuetr Raps, SSIA, SWH and Badcader Gualty / Raps CS_OFFL_SR_UPH_2_0000171101204_00001711012040_0001 Celean Attinuetr Raps, SSIA, SWH and Badcader Gualty / Raps CS_OFFL_SR_UPH_2_0000171101204_00001711012040_0001 Celean Attinuetr Raps, SSIA, SWH and Badcader Gualty / Raps CS_OFFL_SR_UPH_2_00000171101204_000017110008_0001 Celean Attinuetr Raps, SSIA, SWH and Badcader Cualty / Raps CS_OFFL_SR_UPH_2_0000017110008_0001 Celean Attinuetr Raps, SSIA, SWH and Badcader Cualty / Raps CS_OFFL_SR_UPH_2_0000017110008_0001 Celean Attinuetr Raps, SSIA, SWH and Badcader Cualty / Raps CS_OFFL_SR_UPH_2_0000017100102_00001710018_0001 Celean Attinuetr Raps, SSIA, SWH and Badcader Cualty / Raps CS_OFFL_SR_UPH_2_000001710102_00001710019_0001710018_0001 Celean Attinuetr Raps, SSIA, SWH and Badcader Cualty / Raps CS_OFFL_SR_UPH_2_000001710102_00001710102_00001710104_0001 Celean Attinuetr Raps, SSIA, SWH and Badcader Cualty / Raps CS_OFFL_SR_UPH_2_000001710102_00001710104_0001 Celean Attinuetr Raps, SSIA, SWH and Badcader Cualty / R	CS_OFFL_SIR_IOPM_2_20200912T181806_20200912T182244_C001		
CSL_OFFL_SIR_JOPM_2_202000127193162_20200012719164_20200012719166_0001 and Backscatter Quality Flags have been Affiniter Range and Backscatter Quality F	CS_OFFL_SIR_IOPM_2_20200912T182248_20200912T182620_C001		
CB_OFFL_SIR_IOPM_2_20200912719454_20200912719656_C001 and Backscatter Coulty, OCOG and the COCO Allmeter Range and Backscatter Coulty, Flags CB_OFFL_SIR_IOPM_2_20200912719656_C001 Ocean Allmeter Range and Backscatter Coulty, Flags The Coex Allmeter Range and Backscatter Coulty, Flags CB_OFFL_SIR_IOPM_2_20200912719656_C001 Ocean Allmeter Range Cuelty, OCOG The Coex Allmeter Range and Backscatter Coulty, Flags CB_OFFL_SIR_IOPM_2_202009127106750_20200112700311_C001 Ocean Allmeter Range, SHA, SVH The Coex Allmeter Range and Backscatter Coulty, Flags CB_OFFL_SIR_IOPM_2_202009127200311_C001 Ocean Allmeter Range, SHA, SVH The Coex Allmeter Range and Backscatter Coulty, Flags CB_OFFL_SIR_IOPM_2_202009127203404_202009127204528_C001 Ocean Allmeter Range SHA, SVH The Ocean Allmeter Range, SSHA, SVH CB_OFFL_SIR_IOPM_2_202009127203404_202009127204528_C001 Ocean Allmeter Range SSHA, SVH The Ocean Allmeter Range, SSHA, SVH CB_OFFL_SIR_IOPM_2_202009127204528_C001 Ocean Allmeter Range SSHA, SVH The Ocean Allmeter Range, SSHA, SVH and Backscatter Cualty, Flags have been set CB_OFFL_SIR_IOPM_2_202009127204528_C001 Ocean Allmeter Range SSHA, SVH The Ocean Allmeter Range, SSHA, SVH and Backscatter Cualty, Flags have been set CB_OFFL_SIR_IOPM_2_202009127216459_C001 Ocean Allmeter Range SSHA, SVH The Ocean Allmeter Range, SSHA, SVH and Backscatter Cualty, Flag	CS_OFFL_SIR_IOPM_2_20200912T183125_20200912T190403_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CE. OFFL_SIR_IOPM_2_20200912T194913_20200912T19558_CO01 and the DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T199750_20200912T200311_C001 DCOG Altimeter Range Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T201402_20200912T201402_00001 DCean Altimeter Range Altivater Range SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200012T200402_00001 DCean Altimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200012T200502_0001 DCean Altimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200012T211057_0001 DCean Altimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200012T211207_2000 DCean Altimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200012T211207_2000012T2112015_C001 DCean Altimeter Range SNA, SWH and Backs	CS_OFFL_SIR_IOPM_2_20200912T191544_20200912T191916_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_CFPL_SIR_JOPM_2_2020012T10103_2020012T203119_C001 Backscatter Quality Etr one or more records. CS_OFFL_SIR_JOPM_2_2020012T201023_2020012T203119_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCGG Altimeter Range and Backscatter Quality, Flags have been and Backscatter Quality, COGG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COGG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been and Backscatter Quality, COGG CS_OFFL_SIR_JOPM_2_20200012T205513_20200012T205529_O011 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the OCGO Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the OCGO Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the OCGO Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the OCGO Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the OCGO Altimeter Range, SSHA, SWH and Backscatter Quality, Flags and the OCGO Altimeter Range, SSHA, SWH and Backscatter Quality, OCGG Backscatter Quality, COGG Altimeter Range and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20200012T211527_2020012T2121015_C0011 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COGG Altimeter Range and Backscatter Quality, Flags have been set for one or more records. The OCGO Altimeter Range and Backscatter Quality Flags and the OCGO Altimeter Range and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, Flags have been and the OCGO Altimeter Range and Backscatter Quality, Flags have been and the OCGO Altimeter Range and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, Flags have been and the OCGO Altimeter Range and Backscatter Quality, Flags have been altimeter Range a	CS_OFFL_SIR_IOPM_2_20200912T194813_20200912T195058_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200912T201023_20200912T203118_C001 and Backscatter Quality Class CS_OFFL_SIR_IOPM_2_20200912T203404_20200912T204528_C001 Cocan Attimeter Range, SSHA, SWH and Backscatter Quality, COCG Attimeter Range, SSHA, SWH and Backscatter Quality, COCG Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Attimeter Range, SSHA, SWH and backscatter Quality, Flags have been at for one or more records. CS_OFFL_SIR_IOPM_2_20200912T210333_20200912T210459_C001 COCG Attimeter Range SSHA, SWH and Backscatter Quality, COCG Attimeter Range and Backscatter Quality, Flags have been at for one or more records. CS_OFFL_SIR_IOPM_2_20200912T2105_C001 CoCG Attimeter Range, SSHA, SWH and Backscatter Quality, COCG Attimeter Range and Backscatter Quality, Flags have been Attimeter Range and Backscatter Quality, COCG Attimeter Range and Backscatter Quality, Flags have been at for one or more records. CS_OFFL_SIR_IOPM_2_20200912T210203_2020912T213157_C001 Cocan Attimeter Range and Backscatter Quality, Flags have been Attimeter Range and Backscatter Quality, Flags have been at for one or more records. CS_OFFL_SIR_IOPM_2_20200912T214233_2020912T214212_C001 CocGA Attimeter Range and Backscatter Quality, Flags have been Attimeter Range and Backscatter Quality, Flags have been at for one or more records.	CS_OFFL_SIR_IOPM_2_20200912T195750_20200912T200311_C001		
CS_OFFL_SIR_JOPM_2_20200912720340_202001272104528_C001 and Backscatter Quality, COCG and the OCGG Allmeter Range and Backscatter Quality Flags have been Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCGG Allmeter Range and Backscatter Quality, Flags have been at the OCGG Allmeter Range and Backscatter Quality Flags have been at the OCGG Allmeter Range and Backscatter Quality, Flags have been at the OCGG Allmeter Range and Backscatter Quality Flags have been at the OCGG Allmeter Range and Backscatter Quality Flags have been at the OCGG Allmeter Range and Backscatter Quality Flags have been at the OCGG Allmeter Range and Backscatter Quality Flags have been at the OCGG Allmeter Range and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCGG Allmeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_IOPM_2_20200912T201023_20200912T203118_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200912T205513_20200912T205529_C001 and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T210333_20200912T210459_C001 DCOG Altimeter Range Quality, OCOG Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set tor one or more records. CS_OFFL_SIR_IOPM_2_20200912T211527_20200912T212015_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Qualit	CS_OFFL_SIR_IOPM_2_20200912T203404_20200912T204528_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200912T211527_20200912T212015_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_20200912T211527_20200912T212015_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COGG Altimeter Range and Backscatter Quality Flags have been after one or more records. CS_OFFL_SIR_IOPM_2_20200912T21203_20200912T213157_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COGG Altimeter Range and Backscatter Quality, COGG Altimeter Range and Backscatter Quality Flags have been after one or more records. CS_OFFL_SIR_IOPM_2_20200912T213806_20200912T214212_C001 OCGG Altimeter Range and Backscatter Quality Flags have been set Backscatter Quality, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T214223_20200912T214212_C001 OCGG Altimeter Range, SSHA, SWH and Backscatter Quality, OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T21428_20200912T215419_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCGG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCGG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCGG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCGG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, Flags and the OCGG Altimeter Range and Backscatter Quality Flags and the OCGG Altimeter Range and Backscatter Quality Flags and the OCGG Altimeter Range and Backscatter Quality Flags and the OCGG Altimeter Range and Backscatter Qualit	CS_OFFL_SIR_IOPM_2_20200912T205513_20200912T205929_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200912T211527_20200912T21105_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20200912T212203_20200912T213157_C001 Cean Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality CS_OFFL_SIR_IOPM_2_20200912T213806_20200912T214212_C001 COCG Altimeter Range Quality, OCOG Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T214923_20200912T214212_C001 COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T214923_20200912T215419_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Qualit	CS_OFFL_SIR_IOPM_2_20200912T210333_20200912T210459_C001		÷ , ,
CS_OFFL_SIR_IOPM_2_20200912T212203_20200912T213157_C001 and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality and the OCGC Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T213806_20200912T214212_C001 OCGC Altimeter Range Quality, OCCG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T214923_20200912T215419_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been ad the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T215428_20200912T2154595_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T215428_20200912T22523_0200912T222131_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T22023_20200912T222528_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality, Flags have been and the OCCG Altimeter Range and Backscatter Quality, Flags	CS_OFFL_SIR_IOPM_2_20200912T211527_20200912T212015_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_202009121213300_202009121214212_0001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_20200912T214923_20200912T215419_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T215428_20200912T215959_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, COCOG	CS_OFFL_SIR_IOPM_2_20200912T212203_20200912T213157_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200912T214923_20200912T215419_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been act for one or more records. CS_OFFL_SIR_IOPM_2_20200912T220223_20200912T22023_20200912T222131_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality F	CS_OFFL_SIR_IOPM_2_20200912T213806_20200912T214212_C001		
CS_OFFL_SIR_IOPM_2_20200912T215428_20200912T215959_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20200912T222133_20200912T222528_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20200912T224555_20200912T224524_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range an	CS_OFFL_SIR_IOPM_2_20200912T214923_20200912T215419_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200912T22023_20200912T222131_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20200912T222133_20200912T222528_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality COOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality COOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality COOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality COOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG CS_OFFL_SIR_IOPM_2_20200912T224655_20200912T230952_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range an	CS_OFFL_SIR_IOPM_2_20200912T215428_20200912T215959_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200912T222133_20200912T222528_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20200912T223944_20200912T224524_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG CS_OFFL_SIR_IOPM_2_20200912T224655_20200912T230952_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Qualit	CS_OFFL_SIR_IOPM_2_20200912T220223_20200912T222131_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200912T223944_20200912T224524_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20200912T224655_20200912T230952_C001 and Backscatter Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20200912T222133_20200912T222528_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20200912T224655_20200912T230952_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20200912T223944_20200912T224524_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPM_2_20200912T224655_20200912T230952_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

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CS_OFFL_SIR_IOPM_2_20200912T232424_20200912T232547_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_20200912T232913_20200912T233456_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_20200912T233508_20200912T234420_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_20200912T234422_20200912T234539_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_20200912T235020_20200912T235724_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_20200912T032845_20200912T032854_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20200912T064413_20200912T064753_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20200912T160700_20200912T161028_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20200912T190608_20200912T190743_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_20200912T191943_20200912T192059_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_20200912T131701_20200912T131820_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_20200912T143342_20200912T143410_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_20200912T171746_20200912T171911_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_20200912T172809_20200912T173552_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20200912T001151_20200912T001313_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_20200912T004536_20200912T004853_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_20200912T014425_20200912T014811_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_20200912T015556_20200912T015741_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_20200912T022325_20200912T022555_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_20200912T024156_20200912T024419_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_20200912T024434_20200912T024620_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_20200912T032439_20200912T032630_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_20200912T040430_20200912T040638_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_20200912T042147_20200912T042618_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_20200912T042700_20200912T042822_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_20200912T043201_20200912T043421_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_20200912T051300_20200912T051552_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_20200912T060358_20200912T060852_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_20200912T064413_20200912T064753_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_20200912T065333_20200912T065447_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_20200912T074303_20200912T074434_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_20200912T082341_20200912T082658_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_20200912T085349_20200912T085704_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_20200912T122902_20200912T123407_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_20200912T124709_20200912T125108_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_20200912T131821_20200912T132005_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_20200912T132651_20200912T133302_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_20200912T134217_20200912T134428_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_20200912T140359_20200912T140522_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_20200912T140843_20200912T141253_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_20200912T142929_20200912T142946_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_20200912T143013_20200912T143242_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_20200912T154521_20200912T154643_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_20200912T154726_20200912T155116_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_20200912T160700_20200912T161028_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_20200912T164714_20200912T164830_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_20200912T182620_20200912T182737_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_20200912T190608_20200912T190743_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_20200912T211204_20200912T211527_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

A. Jorn J., B. Jone J., 200001772014, 20001772014, 2000	CS_OFFL_SIR_IOPN_2_20200912T213608_20200912T213806_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.
CB, OFT, LIN, LOND, 20000007120070, 2000017120070, 2000 MERIDERATE Cally FRANCECOM Meridee Sector 2000000000000000000000000000000000000	CS_OFFL_SIR_IOPN_2_20200912T232118_20200912T232424_C001	OCOG Altimeter Range Quality PLRM,	
BAL, DEPL. Decomposition Decomposition Decomposition Decomposition C2, CHL, DR, JOPK, Z. 2000017210010, DE200017100011, DD1 Decomposition Decompositi	CS_OFFL_SIR_IOPN_2_20200912T232547_20200912T232744_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
 Cal, OHE, S.R. DHE, Z. 2000012100102, 20200121001010, COD Cal, OHE, S.R. DHE, Z. 20000121001012, 20200121010241, COD Cold, Allinetin Regio Cally PLB, MCCO Cold, Allinetin Regio Call, PLB, MCCO Col	CS_OFFL_SIR_IOPN_2_20200912T235725_20200912T235843_C001	OCOG Altimeter Range Quality PLRM,	
Carl, Dim, Carl, Carlow, Fridow, Fridow, Fridow, Fridow, Karl, Carlow, Fridow, Karl, Carlow, Fridow, Karl, Carlow, Fridow, San, Walt, San, Walt, Fridow, San, Walt, San, Walt, Fridow, San, Walt, Walt, Karo, Walt, Fridow, San, Walt, Walt, Karo, Walt, Walt, Karo, Walt, Walt, Karo, Walt, Walt, Walt, Karo, Walt, Walt	CS_OFFL_SIR_IOPR_2_20200912T000123_20200912T000718_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SRUGPQ_2_0000912T01004F_0000912T010213_00001 mill Backeeller Gueing PLRN. OCG. mill Backeeller Gueing PLRN. OCG. CB_OFFL_SRUGPQ_2_0000912T010213_000012T02213_00001 Cocan Almeter Range, SSAA, With and Backeeller Gueing PLRN. OCG. mill Backeeller Gueing PLRN. OCG. CB_OFFL_SRUGPQ_2_000012T02213_000012T02213_00001 Cocan Almeter Range, SSAA, With and Backeeller Gueing PLRN. OCG. mill Backeeller Gueing PLRN. OCG. CB_OFFL_SRUGPQ_2_000012T02203_000012T02213_00001 Cocan Almeter Range, SSAA, With and Backeeller Gueing PLRN. OCG. mill Backeeller Gueing PLRN. OCG. CB_OFFL_SRUGPQ_2_000012T02203_000012T02203_00001 Cocan Almeter Range, SSAA, With and Backeeller Gueing PLRN. OCG. mill Backeeller Gueing PLRN. OCG. CB_OFFL_SRUGPQ_2_000012T02203_000012T02204_00001 Cocan Almeter Range, SSAA, With and Backeeller Gueing PLRN. OCG. mill Backeeller Gueing PLRN. OCG. CB_OFFL_SRUGPQ_2_000012T02204_00001 Cocan Almeter Range, SSAA, With and Backeeller Gueing PLRN. OCG. mill Backeeller Gueing PLRN. OCG. CB_OFFL_SRUGPQ_2_000012T02204_00011 Cocan Almeter Range, SSAA, With	CS_OFFL_SIR_IOPR_2_20200912T003412_20200912T003519_C001		
c2 OFTL_SR_UOPR_2_00009127023137_2000912702314_0000917022153_00009 Image: Solid Science Sci	CS_OFFL_SIR_IOPR_2_20200912T010047_20200912T010234_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CG_CEPL_SIR_UPR_2_0000017102034_0000017102410_C001 and Balaceater Cuality Fight mice Same Application Cuality Fight Mice Same Applicatin Cuality Fight Mice Same Application Cuality Fight Mice Same App	CS_OFFL_SIR_IOPR_2_20200912T021317_20200912T022133_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C2_OFFL_SIR_JOPR_2_0020012T03244_000012T03245_0001 Doesn Athineter Range SIM_SVM and Backsatter Quilty PLM C3_OFFL_SIR_JOPR_2_0020012T033744_000012T03245_0001 Doesn Athineter Range and Backsatter Quilty PLM C3_OFFL_SIR_JOPR_2_0020012T033744_0001 Doesn Athineter Range SIM_SVM and Backsatter Quilty PLM C3_OFFL_SIR_JOPR_2_0020012T033744_0001 Doesn Athineter Range SIM_SVM and Backsatter Quilty PLM C3_OFFL_SIR_JOPR_2_0020012T033744_10_0001 Doesn Athineter Range SIM_SVM and Backsatter Quilty PLM C3_OFFL_SIR_JOPR_2_0020012T035744_10_0001 Doesn Athineter Range SIM_SVM and Backsatter Quilty PLM C3_OFFL_SIR_JOPR_2_00200112T05156_000012T051587_0001 Doesn Athineter Range SIM_SVM and Backsatter Quilty PLM C3_OFFL_SIR_JOPR_2_00200112T05156_000012T05156_000012T05156_000012T05156_000012T05156_0000012T05156_0000012T05156_0000012T05156_0000012T05156_0000012T05156_0000012T05156_0000012T05156_0000012T05556_00000012T0555656_0000000000000000000000000000000	CS_OFFL_SIR_IOPR_2_20200912T023534_20200912T024155_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_JOPR_2_20209121035794_02020912103596_001 and Backscatter Cuality PLRM_OCOS The Oxen Altimeter Range, SSHA, SWH CS_OFFL_SIR_JOPR_2_20209121041722_0020912104126_001 Communication Range, SSHA, SWH The Oxen Altimeter Range, SSHA, SWH CS_OFFL_SIR_JOPR_2_20209121061582_0020912105151_0020912105544_0020911005564_00209112105552_0020912105552_0020912105552_0020912105552_0020912105554_00209112105554_0020091121005554_00209112105554_00209112105554_00291121055	CS_OFFL_SIR_IOPR_2_20200912T032243_20200912T032439_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_JOPR_2_20200912T041742_20200912T05157_C001 mid Backscatter Quality PLRM, COOL mid Backscatter Quality PLRM, COOL CS_OFFL_SIR_JOPR_2_20200912T054669_20200912T054640_C001 CCCOA Minuter Range, SSIM, SWH mid Backscatter Quality PLRM, COOL CS_OFFL_SIR_JOPR_2_20200912T054659_20200912T054640_C001 CCCOA Minuter Range, SSIM, SWH mid Backscatter Quality PLRM, COOL CS_OFFL_SIR_JOPR_2_20200912T054659_20200912T054640_C001 CCCOA Minuter Range, SSIM, SWH mid Backscatter Quality PLRM, COOL CS_OFFL_SIR_JOPR_2_20200912T054659_20200912T054640_C001 CCCOA Minuter Range, SSIM, SWH mid Backscatter Quality PLRM, COOL CS_OFFL_SIR_JOPR_2_20200912T054659_20200912T064643_C0001 CCCCOA Minuter Range, SSIM, SWH mid Backscatter Quality PLRM, COOL CS_OFFL_SIR_JOPR_2_20200912T064643_20200912T064413_C001 CCCCOA Minuter Range, SSIM, SWH mid Backscatter Quality PLRM, COOL CS_OFFL_SIR_JOPR_2_20200912T06448_20200912T064413_C001 CCCCOA Minuter Range, SSIM, SWH mid Backscatter Quality Flags have been been been been been been been be	CS_OFFL_SIR_IOPR_2_20200912T033704_20200912T033856_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
G6_OFFL_SIR_JOPR_2_20200912T05152_20200912T05191_C001 Interdem Range and Backscatter Quality FLRN, QCOC Allineter Range, SUM, SWH and Backscatter Quality FLRN, QCOC Allineter Range, SUM, SWH and Backscatter Quality FLRN, QCOC Allineter Range, SSHA, SWH and Backscatter Quality FLRN, QCOC Allineter Range, SSH	CS_OFFL_SIR_IOPR_2_20200912T041722_20200912T042146_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Call CCCOB Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_202009127065564_202009127060556_0001 OccoB Adimeter Range, SSHA, SWH and Backscatter Quality Flags have been and	CS_OFFL_SIR_IOPR_2_20200912T051552_20200912T051817_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_2020912T09554_20200912T09539_C001 and Backscatter Quality FLBS have been at for one or more records. CS_OFFL_SIR_IOPR_2_2020912T065392_0200912T064413_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLBS have been at for one or more records. CS_OFFL_SIR_IOPR_2_2020912T065448_20200912T065448_20200912T07532_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLBS have been at for one or more records. CS_OFFL_SIR_IOPR_2_20209912T072828_20209912T073132_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLBS have been at for one or more records. CS_OFFL_SIR_IOPR_2_20209912T072828_20209912T073132_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLBS have been at for one or more records. CS_OFFL_SIR_IOPR_2_20209912T072828_20209912T073132_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLBS have been at for one or more records. CS_OFFL_SIR_IOPR_2_20209912T073132_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLBS have been at for one or more records. CS_OFFL_SIR_IOPR_2_20209912T083743_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLBS have been at for one or more records. CS_OFFL_SIR_IOPR_2_20209912T083743_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLBS have been at for one or more records. CS_OFFL_SIR_IOPR_2_20209912T089242_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality FLBS have been at for one or more records. CS_OFFL_SIR_IOPR_2_20	CS_OFFL_SIR_IOPR_2_20200912T054558_20200912T054640_C001		
CS_OFFL_SIR_IOPR_2_20200912T08345_20200912T084413_C001 and Backscatter Quality PLRM_COCO_ inter Range and Backscatter Quality Plags have been set to rene or more records. CS_OFFL_SIR_IOPR_2_20200912T085448_20200912T065720_C001 Cean Altimeter Range, SSHA_SWH and Backscatter Quality PLRM_COCO The Ocean Altimeter Range, and Backscatter Quality Plags have been set to rene or more records. CS_OFFL_SIR_IOPR_2_20200912T072828_20200912T073132_C001 Cean Altimeter Range, SSHA_SWH and Backscatter Quality PLRM_COCO The Ocean Altimeter Range, and Backscatter Quality Plags have been set to rene or more records. CS_OFFL_SIR_IOPR_2_20200912T078282_20200912T073132_C001 Cean Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been set to rene or more records. The Ocean Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been set to rene or more records. CS_OFFL_SIR_IOPR_2_20200912T081841_20200912T083743_C001 Cean Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been set to rene or more records. The Ocean Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been set to rene or more records. CS_OFFL_SIR_IOPR_2_20200912T083346_20200912T083743_C001 CCGA Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been set for ore or more records. The Ocean Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been set for ore or more records. CS_OFFL_SIR_IOPR_2_20200912T090544_20200912T090542_2020912T090556_C001 CCGA Altimeter Range, SSHA_SWH and Backscatter Quality Flags have been set for ore or more records. The Ocean Altimeter Range, SSHA_SWH and Ba	CS_OFFL_SIR_IOPR_2_20200912T055544_20200912T060358_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_JOPR_2_20200912T065448_20200912T065720_C001 and Backscatter Quality PLRM, OCCG Into the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG CS_OFFL_SIR_JOPR_2_20200912T072828_20200912T073132_C001 Actimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG CS_OFFL_SIR_JOPR_2_20200912T081941_20200912T082341_C001 Actimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG CS_OFFL_SIR_JOPR_2_20200912T083336_20200912T083743_C001 Actimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG CS_OFFL_SIR_JOPR_2_20200912T083336_20200912T083743_C001 Actimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG CS_OFFL_SIR_JOPR_2_20200912T080546_C001 OCCG Attimeter Range, Quality PLRM, OCCG The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG CS_OFFL_SIR_JOPR_2_20200912T080546_20200912T080526_C001 OCCG Attimeter Range, Quality PLRM, OCCG The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPR_2_20200912T080545_20200912T080546_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCCG The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCCG The Ocean Attimeter Range, SSHA, SWH and Ba	CS_OFFL_SIR_IOPR_2_20200912T063925_20200912T064413_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200912T072828_20200912T073132_C001 and Backscatter Quality PLRM, CCG and Mex CGG Alimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T081941_20200912T082341_C001 Cean Alimeter Range and Backscatter Quality PLRM, CCG Alimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T083336_20200912T083743_C001 Ocean Alimeter Range Quality PLRM, CCG Alimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T090425_20200912T090526_C001 OCGG Alimeter Range Quality PLRM, CCG Alimeter Range, SSHA, SWH and Backscatter Quality PLRM, CCG Alimeter Range, SSHA, SWH and Backscatter Quality PLRM, CCG Alimeter Range, SSHA, SWH and Backscatter Quality PLRM, CCG Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T090544_20200912T090709_C001 Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T090545_20200912T09055_C001 Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T095845_20200912T100055_C001 Decan Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IO	CS_OFFL_SIR_IOPR_2_20200912T065448_20200912T065720_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200912T081941_20200912T082341_C001 and Backscatter Quality PLRM, COCI Interfer Range and Backscatter Quality Flags have been af for one or more records. CS_OFFL_SIR_IOPR_2_20200912T083336_20200912T083743_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been af for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been af for one or more records. CS_OFFL_SIR_IOPR_2_20200912T090425_20200912T090526_C001 OCCG Altimeter Range Quality PLRM, COCG Backscatter Quality PLRM, COCG Backscatter Quality PLRM, COCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T090544_20200912T090709_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T090544_20200912T090709_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T091531_20200912T092343_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_IOPR_2_20200912T095845_20200912T100055_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T101225_20200912T101631_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T101225_20200912T101631_C001 Ocean Altimeter	CS_OFFL_SIR_IOPR_2_20200912T072828_20200912T073132_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200912T083336_20200912T083743_C001 and Backscatter Quality PLRM, OCCG and Backscatter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T090425_20200912T090526_C001 OCCG Altimeter Range Quality PLRM, OCCG The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T090544_20200912T090544_20200912T090709_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags nave been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T090544_20200912T090709_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags nave been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T090544_20200912T090709_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags nave been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T090544_20200912T092343_C001 Matimeter Range, SSHA, SWH and Backscatter Quality Flags nave been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T095845_20200912T100055_C001 Attimeter Range, SSHA, SWH and Backscatter Quality Flags nave been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T101225_20200912T101631_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags nave been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T113247_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags nave been set for one or more records. CS_OFFL_SIR_IOPR_2_20200912T11132256_20200912T113447_C001 Ocea	CS_OFFL_SIR_IOPR_2_20200912T081941_20200912T082341_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200912T090544_20200912T090709_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_20200912T090544_20200912T090709_C001 Mitmeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200912T091531_20200912T092343_C001 Mitmeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200912T095845_20200912T100055_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200912T101225_20200912T101631_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200912T101225_20200912T101631_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_20200912T101225_20200912T101631_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality C	CS_OFFL_SIR_IOPR_2_20200912T083336_20200912T083743_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200912T090544_20200912T090709_C001and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRMThe Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPR_2_20200912T091531_20200912T092343_C001Coean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRMThe Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range a	CS_OFFL_SIR_IOPR_2_20200912T090425_20200912T090526_C001		
CS_OFFL_SIR_IOPR_2_20200912T091531_20200912T092343_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ind Cocean Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20200912T095845_20200912T100055_C001 Qcean Altimeter Range, SSHA, SWH 	CS_OFFL_SIR_IOPR_2_20200912T090544_20200912T090709_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200912T095845_20200912T100055_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality 	CS_OFFL_SIR_IOPR_2_20200912T091531_20200912T092343_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200912T101225_20200912T101631_C001 and Backscatter Quality PLRM, OCOG and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCGean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_IOPR_2_20200912T113256_20200912T113447_C001 and Backscatter Quality PLRM, OCOG and the OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been State Altimeter Range and Backscatter Quality PLRM, OCOG and Backscatter Quality PLRM, OCOG and the OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPR_2_20200912T095845_20200912T100055_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20200912T113256_20200912T113447_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPR_2_20200912T101225_20200912T101631_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPR_2_20200912T113256_20200912T113447_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPR_2_20200912T114559_20200912T114605_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_20200912T115008_20200912T115237_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_20200912T115237_20200912T115712_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_20200912T120933_20200912T121136_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_20200912T123407_20200912T124141_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_20200912T130039_20200912T130241_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_20200912T131701_20200912T131820_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_20200912T141253_20200912T141947_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_20200912T143410_20200912T143519_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_20200912T143521_20200912T143832_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_20200912T150935_20200912T151205_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_20200912T155116_20200912T155848_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_20200912T160603_20200912T160653_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_20200912T164830_20200912T165054_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_20200912T172809_20200912T173552_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_20200912T181419_20200912T181643_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_20200912T190743_20200912T191402_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_20200912T192533_20200912T192557_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_20200912T195058_20200912T195624_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_20200912T200620_20200912T201022_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_20200912T204529_20200912T205302_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_20200912T213157_20200912T213607_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_20200912T214542_20200912T214923_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_20200912T222529_20200912T223200_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_20200912T230952_20200912T231650_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

5.8 L2 Ocean Retracking Quality Check		
o.o == Ocean Netracking Quanty Olieck		
L2 Retracking Flags (20Hz)		
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz me Crean Retracking Quality Flag: This flag is currently set for products over	-	
Number of products with errors: 59		number of products with this chor hay set is given below.
L2 Retracking Flags (20Hz, PLRM) CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PL	RM measurement record. The bit value of this fla	ag indicates any problems when set
Ocean Retracking Quality Flag (PLRM): This flag is currently set for produ		
Number of products with errors: 142		
6 IOP	_2 Pole-to-Pole Data Quality	Chock
		Glieck
6.1 P2P Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0	D ensure it consists of doth an XML header file (.	HDR) and a NetCDF product file (.nc).
6.2 P2P Product Header Analysis		
For all products, a series of pre-defined checks are performed on the MPH a	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		
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 va	alidity 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 of	checked for the default error value (32767).	
		ed.
 Mean Sea Surface: The error value is currently set for products over land Mean Dynamic Topography: The error value is currently set for products Altimetric Wind Speed Error: The error value is currently set for product 	and sea ice, but this is to be expected. over land and sea ice, but this is to be expected	ι.
 Mean Sea Surface: The error value is currently set for products over land Mean Dynamic Topography: The error value is currently set for products Attimetric Wind Speed Error: The error value is currently set for product Number of products with errors: 29 	and sea ice, but this is to be expected. over land and sea ice, but this is to be expected s over land and sea ice, but this is to be expected	l. d.
 Mean Sea Surface: The error value is currently set for products over land Mean Dynamic Topography: The error value is currently set for products Attimetric Wind Speed Error: The error value is currently set for product Number of products with errors: 29 	and sea ice, but this is to be expected. over land and sea ice, but this is to be expected	ι.
Mean Sea Surface: The error value is currently set for products over land Mean Dynamic Topography: The error value is currently set for products Altimetric Wind Speed Error: The error value is currently set for product Number of products with errors: 29 Product	and sea ice, but this is to be expected. over land and sea ice, but this is to be expected s over land and sea ice, but this is to be expected Test Failed	l. d. Description There is an error with the MSS height (solution 1), the Mean Dynamic
 Mean Sea Surface: The error value is currently set for products over land Mean Dynamic Topography: The error value is currently set for products Altimetric Wind Speed Error: The error value is currently set for product Number of products with errors: 29 Product CS_OFFL_SIR_IOP_2_20200911T232144_20200912T001122_C002 	and sea ice, but this is to be expected. over land and sea ice, but this is to be expected s over land and sea ice, but this is to be expected Test Failed Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean	d. Description There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1:
Mean Sea Surface: The error value is currently set for products over land Mean Dynamic Topography: The error value is currently set for products Altimetric Wind Speed Error: The error value is currently set for product Number of products with errors: 29 Product CS_OFFL_SIR_IOP_2_20200911T232144_20200912T001122_C002 CS_OFFL_SIR_IOP_2_20200912T001122_20200912T010059_C001	and sea ice, but this is to be expected. over land and sea ice, but this is to be expected s over land and sea ice, but this is to be expected Test Failed Mean Sea Surface (1), Mean Dynamic Tide (GOT) Mean Sea Surface (1), Mean Dynamic	I. d. There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynam
Mean Sea Surface: The error value is currently set for products over land Mean Dynamic Topography: The error value is currently set for products Attimetric Wind Speed Error: The error value is currently set for product Number of products with errors: 29 Product CS_OFFL_SIR_IOP_2_20200911T232144_20200912T001122_C002 CS_OFFL_SIR_IOP_2_20200912T001122_20200912T010059_C001 CS_OFFL_SIR_IOP_2_20200912T010059_20200912T015036_C001	and sea ice, but this is to be expected. over land and sea ice, but this is to be expected s over land and sea ice, but this is to be expected Test Failed Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean	Description There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
Mean Sea Surface: The error value is currently set for products over land Mean Dynamic Topography: The error value is currently set for products Altimetric Wind Speed Error: The error value is currently set for product Wumber of products with errors: 29 Product CS_OFFL_SIR_IOP_2_20200911T232144_20200912T001122_C002 CS_OFFL_SIR_IOP_2_20200912T001122_20200912T010059_C001 CS_OFFL_SIR_IOP_2_20200912T010059_20200912T015036_C001 CS_OFFL_SIR_IOP_2_20200912T015036_20200912T024014_C001	and sea ice, but this is to be expected. over land and sea ice, but this is to be expected s over land and sea ice, but this is to be expected Test Failed Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic	d. There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynam Topography height (solution 1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic
Mean Sea Surface: The error value is currently set for products over land Mean Dynamic Topography: The error value is currently set for products Altimetric Wind Speed Error: The error value is currently set for product Number of products with errors: 29 Product CS_OFFL_SIR_IOP_2_20200911T232144_20200912T001122_C002 CS_OFFL_SIR_IOP_2_20200912T001122_20200912T010059_C001 CS_OFFL_SIR_IOP_2_20200912T010059_20200912T015036_C001 CS_OFFL_SIR_IOP_2_20200912T015036_20200912T024014_C001 CS_OFFL_SIR_IOP_2_20200912T024014_20200912T032951_C001	and sea ice, but this is to be expected. over land and sea ice, but this is to be expected s over land and sea ice, but this is to be expected Test Failed Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1)	Image:
Mean Sea Surface: The error value is currently set for products over land Mean Dynamic Topography: The error value is currently set for products Altimetric Wind Speed Error: The error value is currently set for product Aumber of products with errors: 29 Product 29 ScoperL_SIR_IOP_2_20200911T232144_20200912T001122_C002 20 CS_OFFL_SIR_IOP_2_20200912T001122_20200912T010059_C001 22 CS_OFFL_SIR_IOP_2_20200912T010059_20200912T015036_C001 23 CS_OFFL_SIR_IOP_2_20200912T015036_20200912T024014_C001 25 CS_OFFL_SIR_IOP_2_20200912T024014_20200912T032951_C001 25 CS_OFFL_SIR_IOP_2_20200912T024014_20200912T032951_C001 25	and sea ice, but this is to be expected. over land and sea ice, but this is to be expected s over land and sea ice, but this is to be expected Test Failed Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (GOT), Non-Equilibrium Long Perioc	d.
Mean Sea Surface: The error value is currently set for products over land Mean Dynamic Topography: The error value is currently set for products Attimetric Wind Speed Error: The error value is currently set for product Attimetric Wind Speed Error: The error value is currently set for product Aumber of products with errors: 29 Product 29 CS_OFFL_SIR_IOP_2_20200911T232144_20200912T001122_C002 25 CS_OFFL_SIR_IOP_2_20200912T001122_20200912T010059_C001 25 CS_OFFL_SIR_IOP_2_20200912T010059_20200912T015036_C001 25 CS_OFFL_SIR_IOP_2_20200912T015036_20200912T024014_C001 25 CS_OFFL_SIR_IOP_2_20200912T024014_20200912T032951_C001 25 CS_OFFL_SIR_IOP_2_20200912T032951_20200912T041928_C001 25 CS_OFFL_SIR_IOP_2_20200912T032951_20200912T041928_C001 25	and sea ice, but this is to be expected. over land and sea ice, but this is to be expected s over land and sea ice, but this is to be expected Test Failed Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide Mean Sea Surface (1), Mean Dynamic	Image:
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CS_OFFL_SIR_IOP_220200912T100650_20200912T105627_C001	Mean Sea Surface (1), Mean 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_220200912T105627_20200912T114605_C001	Mean Sea Surface (1), Mean 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_20200912T114605_20200912T123542_C001	Mean Sea Surface (1), Mean 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_220200912T123542_20200912T132519_C001	Mean Sea Surface (1), Mean 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_220200912T132519_20200912T141456_C001	Mean Sea Surface (1), Mean 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_220200912T141456_20200912T150434_C001	Mean Sea Surface (1), Mean 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_220200912T150434_20200912T155411_C001	Mean Sea Surface (1), Mean 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_220200912T155411_20200912T164349_C001	Mean Sea Surface (1), Mean 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_220200912T164349_20200912T173326_C001	Mean Sea Surface (1), Mean 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_220200912T173326_20200912T182304_C001	Mean Sea Surface (1), Mean 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_20200912T182304_20200912T191241_C001	Mean Sea Surface (1), Mean 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_220200912T191241_20200912T200218_C001	Mean Sea Surface (1), Mean 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_20200912T200218_20200912T205155_C001	Mean Sea Surface (1), Mean 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_220200912T205155_20200912T214133_C001	Mean Sea Surface (1), Mean 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_220200912T214133_20200912T223110_C001	Mean Sea Surface (1), Mean 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_220200912T223110_20200912T232047_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
6.5 P2P Measurement Confidence Data Check		

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6.5 P2P Measurement Confidence Data Check

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

Number of products with errors: 3

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220200912T041928_20200912T050906_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_2_20200912T191241_20200912T200218_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_2_20200912T232047_20200913T001025_C002	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors: 30

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors: 28

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

30

27

30

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.

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	168	168	5	163	0
SIR_IOPR1B	107	110	2	108	0
SIR_IOPN1B	110	107	0	107	0
SIR_IOPM_2	168	168	108	60	0
SIR_IOPR_2	107	110	47	63	0
SIR_IOPN_2	110	107	33	73	1
SIR_IOP_P2P	29	29	0	28	1

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	1	1	1	1	1	1					
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_IOP_2_	1	1	1	1							

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Test Description Key:	est 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

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	er of occurrences of ea	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMN
SIR IOPM1B	163	0	0	0	0	0	0
SIR IOPM 2	0	0	43	43	1	46	0
SIR IOPN1B	106	0	0	0	0	0	0
SIR IOPN 2	0	0	12	34	4	29	35
SIR IOPR1B	105	0	0	0	0	0	0
SIR_IOPR_2	0	1	41	43	0	40	35
	4			I.			4
Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCD	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	37	35	0	0	0	0	27
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	25	0	0	22	0	36	0
SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	22	0	45	0	51	0	0
	1	r	r	n		r	T
Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF		RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	0	0	8	32	0	5	36
SIR_IOPN1B	0	0	0		0	0	0
SIR_IOPN_2	0	26	19		52	38	32
SIR_IOPR1B	0	0	0		0	0	0
SIR_IOPR_2	42	0	3	66	44	13	41
Product Type	RSWHOEPFDPLRMNCDF		SOOHHIFHD		SCSTODNCDF	-	•
SIR_IOPM1B	0	5	0	•	0		
SIR_IOPM_2	0	5	° .	0	0		
SIR_IOPN1B	0	°	0	52	4		
SIR_IOPN_2	33 0	14	1	0 107	0		
SIR_IOPR1B	0 47	0	0	107	1		
SIR_IOPR_2	47	Z	3	U	U		
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	
SIR IOP 2	16	29	29		29	18	29
0		20	20	1-	20		20
Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR IOP 2	19	29	24		29	19	26
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	•	-	-

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 NCDF	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
	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
NCDE	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDPLRMSINN CDF	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
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
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter
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7.3 Missing QCC	Reports	

Number of products with missing QCC reports:

0