

QA4EO Daily Report for IOP data:

<u>10/12/2022</u>

IDEAS-QA4E0

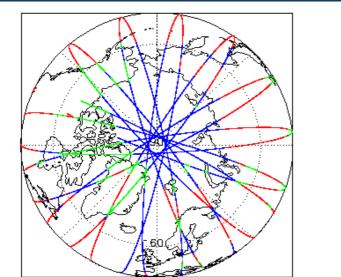
Demonst Due du etiem.	14-Dec-2022	Check	L1 & L2	P2P
Report Production:	14-Dec-2022	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CrueSet Oscan Brasses	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Useu:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Intermediate Ocean Products (IOP)	Product Format Check	Nominal	Nominal
Data Useu:	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
We would	love to hear from you!	Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
	your feedback about these daily	Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
uality reports: What	t do you like/ dislike? What quality	Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
information do you	u need? Send your feedback to	Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
cs2_qc_team@telespazio.com		QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1, 7.2

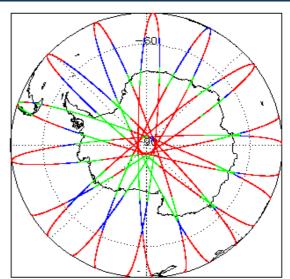
1. Overview

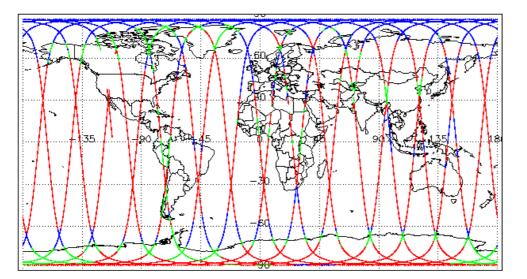
	Mission / Instrument News		
09-Dec-2022		None	
10-Dec-2022		None	
	11-Dec-2022	Nothing planned	

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2. Global Coverage











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 NetCDF product file (.nc).

4.2 L1B Product Header Analysis		
For all products, a series of pre-defined checks are performed on the MPH and	SPH in order to identify any inconsiste	encies and/or errors raised by the ground-segment processing chain.
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 chec	k the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag for each measurement record	d. The bit value of this flag indicates an	y problems when set.
Number of products with errors: 0		
4.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag for each measurem	nent record. The bit value of this flag in	dicates any problems when set.
> Attitude Correction Missing: This flag is currently set in error for IOPR procupdate.	ducts due to a configuration issue. The	attitude correction is actually not missing. This will be resolved in the next SW
Number of products with errors: 2		
Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20221210T023033_20221210T023650_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20221210T190513_20221210T191741_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
4.6.L.1.B. Wayoform Group Data Chook		
4.6 L1B Waveform Group Data Check		

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

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Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected. The table provides the full list of products flagged.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20221210T081510_20221210T082433_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221210T085133_20221210T090150_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221210T152615_20221210T155937_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221210T195048_20221210T200415_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221210T212020_20221210T212445_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221210T061140_20221210T061715_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221210T075553_20221210T075731_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221210T084136_20221210T084244_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221210T091541_20221210T091921_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221210T102053_20221210T102647_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221210T151010_20221210T151113_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221210T211051_20221210T211240_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221210T214630_20221210T215142_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221210T015752_20221210T020523_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221210T033329_20221210T034327_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221210T052227_20221210T053713_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221210T060009_20221210T060708_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221210T124024_20221210T124311_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221210T133338_20221210T134306_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221210T150104_20221210T150158_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221210T164319_20221210T164634_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

5.3 L2 Auxiliary Data File Usage Check

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

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.

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221210T081510_20221210T082433_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPM_2_20221210T203010_20221210T204036_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPM_2_20221210T233911_20221210T234004_C001	Mean Sea 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_20221210T001706_20221210T001940_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221210T011642_20221210T011819_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221210T024649_20221210T024806_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221210T025339_20221210T025657_C001	Mean Sea 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_20221210T042610_20221210T042727_C001	Mean Sea 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_20221210T043236_20221210T043548_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20221210T060708_20221210T060943_C001	Mean Sea 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_20221210T061140_20221210T061715_C001	Mean Sea 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_20221210T070229_20221210T070727_C001	Mean Sea 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_20221210T074607_20221210T074848_C001	Mean Sea 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_20221210T084136_20221210T084244_C001	Mean Sea 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_20221210T091541_20221210T091921_C001	Mean Dynamic Topography (1), 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 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_IOPN_2_20221210T102053_20221210T102647_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_20221210T111341_20221210T111607_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221210T124312_20221210T124454_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221210T142322_20221210T142652_C001	Mean Sea 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_20221210T160234_20221210T160555_C001	Mean Sea 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_20221210T165300_20221210T165441_C001	Mean Sea 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_20221210T175010_20221210T175119_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221210T192712_20221210T192907_C001	Mean Sea 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_20221210T201122_20221210T201304_C001	Mean Sea 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_20221210T210546_20221210T211044_C001	Mean Sea 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_20221210T214630_20221210T215142_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20221210T223623_20221210T223922_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221210T224551_20221210T224839_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221210T232630_20221210T233006_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221210T001940_20221210T002727_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

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CS_OFFL_SIR_IOPR_2_20221210T015752_20221210T020523_C001	Mean Sea 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_20221210T021436_20221210T021633_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221210T033329_20221210T034327_C001	Mean Sea 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_20221210T034327_20221210T034450_C001	Mean Sea 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_20221210T051550_20221210T052227_C001	Mean Sea 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_20221210T052227_20221210T053713_C001	Mean Sea 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_20221210T065656_20221210T070119_C001	Mean Sea 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_20221210T070119_20221210T070228_C001	Mean Sea 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_20221210T074104_20221210T074607_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221210T083501_20221210T083753_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221210T083753_20221210T084136_C001	Mean Sea 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_20221210T101421_20221210T102052_C001	Mean Sea 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_20221210T115613_20221210T120107_C001	Mean Sea 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_20221210T133338_20221210T134306_C001	Mean Sea 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_20221210T151355_20221210T152158_C001	Mean Sea 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_20221210T165442_20221210T170152_C001	Mean Sea 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_20221210T170225_20221210T170341_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 2: FES) and the Non- Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_IOPR_2_20221210T183349_20221210T184109_C001	Mean Sea 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_20221210T194834_20221210T195048_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPR_2_20221210T201304_20221210T201951_C001	Mean Sea 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_20221210T215142_20221210T215843_C001	Mean Sea 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_20221210T233006_20221210T233225_C001	Mean Sea 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_20221210T233225_20221210T233911_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

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: 2		
Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221210T023033_20221210T023650_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM_2_20221210T190513_20221210T191741_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221209T234038_20221210T000829_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_20221210T000857_20221210T000921_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_20221210T004109_20221210T010529_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_20221210T010807_20221210T011306_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_20221210T012117_20221210T015437_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_20221210T020710_20221210T020911_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_20221210T023955_20221210T024335_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_20221210T024806_20221210T025338_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_20221210T030020_20221210T033328_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_20221210T034637_20221210T034753_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_20221210T040604_20221210T042237_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_20221210T042727_20221210T043235_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_20221210T043855_20221210T051242_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_20221210T053713_20221210T054146_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_20221210T054229_20221210T060009_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_20221210T060943_20221210T061140_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_20221210T061853_20221210T063252_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_20221210T063413_20221210T063600_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_20221210T064041_20221210T064923_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_20221210T065432_20221210T065434_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_20221210T070743_20221210T072520_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_20221210T072657_20221210T074103_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_20221210T075153_20221210T075553_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

D_C_DMDU_DU_DU_DUPUT_SERVICESERU_LEXEXTENTISEERU_DUPUT Description Description Description Description D_C_DMDU_DUPUT_SERVICESERU_REXERUEDUSCUUT DESCRIPTIONESERU_REXERUEDUSCUUT DESCRIPTIONESERU_REXERUEDUSCUUT DESCRIPTIONESERUERUSCUUT DESCRIPIERUERUSCUUT DESCRIPTIONESERUERUSCU	CS_OFFL_SIR_IOPM_2_20221210T075748_20221210T081253_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
Citer, Jim, Ohn, J., Noth Jonaton and J. (2003) Balacteria Guary be not or man exocid. Citer, Jim, Ohn, J., Noth Jonaton and J., Sold Jonaton and J. (2004) Citer, Sim, Ohn, J. (2004) be Coter. A limit forge and Balacteria Guary Flags have been and and or man exocid. Citer, Jim, Ohn, J., Noth Jonaton and J. (2004) Citer, Sim, Ohn, J. (2004) be Coter. A limit forge and Balacteria Guary Flags have been and and and program balacteria. Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Citer, Sim, Ohn, J. (2004) Coter, Jim, Ohn, J. (2004) Co	CS_OFFL_SIR_IOPM_2_20221210T081510_20221210T082433_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CC_00TL_SH1_UMU_CLASSI 101 UNITED_LASSI 101 UNITED_	CS_OFFL_SIR_IOPM_2_20221210T083018_20221210T083030_C001		
CB_CPFL_SBL_DPFL_2X22101073822_0222101073820_0001 instruct Range and Resource Castly Range and Range	CS_OFFL_SIR_IOPM_2_20221210T084244_20221210T084346_C001		
CB: 0FFL SR: 0FM_2 3021210100010_0001 and Balacester Quarky Color member 00000 Almeter Regin SN:	CS_OFFL_SIR_IOPM_2_20221210T085022_20221210T085101_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DS_OFFL_SR_UOM_2_R0221210100346_0201 michaecater Cualty COG michaecater Cualty COG DS_OFFL_SR_UOM_2_R0221210100346_0201 Dear Alimeter Regra and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210100346_0201 Dear Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210100346_0201 Dear Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210100345_0201 DOGA Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210100345_020121010027_0001 DOGA Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210100345_0201210110227_0001 Doar Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210110027_0001 Doar Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210110027_0001 Doar Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210111027_0001 Doar Alimeter Regra SSIA, SWI and Backacater Cualty COG DS_OFFL_SR_UOM_2_R0221210111027_0001 DOGG Alimeter Regra SSIA, SWI and Backacater Cualty CS_OFFL_SR_UOM_2_R0221210111028_0001 DOGG Alimeter Regra SSIA, SWI and Backacater Cualty CS_OFFL_SR_UOM_2_R0221210111028_0001 DOGG Alimeter Regra SSIA, SWI and SSIA SSIA, SWI and SSIA SSIA, SWI and SSIA SSIA SSIA SSIA SSIA The COGA Alimeter Regra SSIA, SWI and SSIA SSIA SSIA SSIA SSIA SSIA SSIA SSIA	CS_OFFL_SIR_IOPM_2_20221210T085133_20221210T090150_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB: OFFL.SBI. JOPM. 2. 80221210708292. 2021210708292. 2001 and Baskaster Cuality, COG and Paskaster Cuality, COG and Paskaster Cuality, COG CB: OFFL.SBI. JOPM. 2. 80221210708292. 20212107018292. 202121070118292. 2001 COGG Allereter Range, SSIA, SWI and Baskaster Cuality Range New New New New New New New New New Ne	CS_OFFL_SIR_IOPM_2_20221210T090946_20221210T091540_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Durb Descure Descure <thdescure< th=""> <thdescure< th=""> <thdesc< td=""><td>CS_OFFL_SIR_IOPM_2_20221210T091921_20221210T092309_C001</td><td>and Backscatter Quality, OCOG</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></thdesc<></thdescure<></thdescure<>	CS_OFFL_SIR_IOPM_2_20221210T091921_20221210T092309_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C20_OFFL_SIR_OPM_2_0221210T109352_0221210T109352_02011 and Backsaster Quality Algo and Ite OCIO Allineter Range and Backsaster Quality Fage have been af Market Range and Backsaster Quality Fage have been	CS_OFFL_SIR_IOPM_2_20221210T092652_20221210T093456_C001		
C8_OFFL_SIR_JOPM_2_20221210T110231_20221210T110232_C001 and Badscatter Cuality, C00G and the C00C Altimeter Range and Badscatter Cuality Flags have been set C8_OFFL_SIR_JOPM_2_20221210T110533_00221210T1110730_C001 C00C0 Altimeter Range Cuality, C00D The C00C0 Altimeter Range and Badscatter Cuality Flags have been set C8_OFFL_SIR_JOPM_2_20221210T1110530_00221210T111041_C001 C00C0 Altimeter Range Cuality, C00D The C00C0 Altimeter Range and Badscatter Cuality Flags have been set C8_OFFL_SIR_JOPM_2_20221210T111052_20221210T111052_C021 C0cen Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one rance records C8_OFFL_SIR_JOPM_2_20221210T121052_C021 C0cen Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one rance records C8_OFFL_SIR_JOPM_2_20221210T131564_C021 C0cen Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one rance records C8_OFFL_SIR_JOPM_2_20221210T131556_0221210T131564_0201 C0cen Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one rance records C8_OFFL_SIR_JOPM_2_20221210T131556_0201 C0cen Altimeter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one rance records C8_OFFL_SIR_JOPM_2_20221210T131555_020211 C0cen Alti	CS_OFFL_SIR_IOPM_2_20221210T093735_20221210T095222_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality tor one or more records tor one or more records Cos_OFFL_SIR_JOPM_2_20221210T110610_20221210T111941_C001 Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T110610_20221210T111941_C001 Cos on Minister Range Quality.COOG Alimeter Range SIAL SWH and Backscatter Quality The Occan Alimeter Range SIAL SWH and Backscatter Quality Flags have been after one or more records Cos_OFFL_SIR_JOPM_2_20221210T110512_20221210T114522_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T12338_20221210T125227_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T12338_20221210T125227_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T125201_2022120T13554_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T125201_202120T13554_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T13556_20221210T13554_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T13556_20221210T13554_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T13556_20221210T13558_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos_OFFL_SIR_JOPM_2_20221210T13538_C001 Cos on Alimeter Range SIAL SWH and Backscatter Quality Cos OCA Alimeter Range and Backscatter Quality Flags have been at the OCOO Alimeter Range SIAL SWH and Backscatter Quality Flags and the OCOO Alimeter Range and Backscatter Quality Flags and the OCOO Alimeter Range and Backscatter Quality Flags and the OCOO Alimeter Range and Backscatter Quality Flags and the OCOO Alimeter Range and Backscatter Quality Flags and the OCOO Alimeter Range and Backscatter Quality Flags and the OCOO Alimeter Range and Backscatter Quality	CS_OFFL_SIR_IOPM_2_20221210T102931_20221210T110227_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_DFR_SIR_DOPM_2_20221210T1110810_20221210T111132 Backscatter Quality for one or more records CS_OFR_SIR_IOPM_2_20221210T111082_20221210T11112222 Open Atlineter Range SINA_SWH The Ocean Atlineter Range and Backscatter Quality Flags have been and the OCOA Atlineter Range and Backscatter Quality Flags have been and bac	CS_OFFL_SIR_IOPM_2_20221210T110533_20221210T110739_C001		
CS_OFFL_SIR_IOPM_2_20221210T111152_20221210T114127_C001 and Backscatter Quality, COCG Attemeter Range and Backscatter Quality, Flags have been after one an orne needed. CS_OFFL_SIR_IOPM_2_20221210T121338_20221210T124024_C001 Cocean Attimeter Range, SSHA, SWH and Backscatter Quality, COCG Attemeter Range and Backscatter Quality, Flags have been Attemeter Range and Backscatter Quality, Flags have been and backscatter Quality, Flags have been atter on an orne records. CS_OFFL_SIR_IOPM_2_20221210T124742_20221210T124024_C001 Cocean Attimeter Range, SSHA, SWH and Backscatter Quality, COCG Attemeter Range and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20221210T125601_20221210T131554_C001 Cocean Attimeter Range SSHA, SWH and Backscatter Quality, COCG Attemeter Range and Backscatter Quality, COCG Attemeter Range and Backscatter Quality, COCG Attemeter Range and Backscatter Quality, Flags have been and the COCG Attemeter Range SSHA, SWH and Backscatter Quality Flags and the COCG Attemeter Range SSHA, SWH and Backscatter Quality Flags and the COCG Attemeter Range SSHA, SWH and Backscatter Quality, Flags and the COCG Attemeter Range SSHA, SWH and Backscatter Quality, Flags and the COCG Attemeter Range SSHA, SWH and Backscatter Quality, Flags have been attor on or nore records CS_OFFL_SIR_IOPM_2_20221210T133135_20221210T133335_C001 Cocean Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been attor on or nore records CS_OFFL_SIR_IOPM_2_20221210T134712_20221210T14938_C001 Cocean Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been attor on or nore records CS_OFFL_SIR_IOPM_2_20221210T134732_20221210T14935_Q001 Cocean Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been at	CS_OFFL_SIR_IOPM_2_20221210T110810_20221210T111341_C001		
CS_OFFL_SIR_IOPM_2_20221210T123136_20221210T12424_0001 and Backscater Qualy, OCOG Attimeter Range and Backscater Qualy The OCOG Attimeter Range and Backscater Qualy set for one or more records CS_OFFL_SIR_IOPM_2_20221210T125601_20221210T125227_0001 OCOG Attimeter Range Quality, OCOG Backscater Quality The OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T125601_20221210T131554_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T131556_20221210T132560_001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality, Coog Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T14472 Cocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been and backscatter Quality, Coog Attimeter Range and Backscatter Quality, Coog Attime	CS_OFFL_SIR_IOPM_2_20221210T111652_20221210T114127_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
US_OFFL_SIR_IOPM_2_20221210T125601_20221210T131554_2001 Backscatter Quality tor one or more records GS_OFFL_SIR_IOPM_2_20221210T125601_20221210T131554_2001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The 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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, 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 have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T142552_20221210T143537_20221210T143537_20221210T151354_2001 Ocean Altimeter Range,	CS_OFFL_SIR_IOPM_2_20221210T121336_20221210T124024_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221210T132561_20221210T131554_C001 and Backscatter Quality Code Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Code Altimeter Range and Backscatter Quality Code Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality COGE Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T142652_20221210T143537_20221210T144011_C001 Occean Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Ba	CS_OFFL_SIR_IOPM_2_20221210T124742_20221210T125227_C001		
CS_OFFL_SIR_IOPM_2_20221210T131556_20221210T132358_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records CS_OFFL_SIR_IOPM_2_20221210T133135_20221210T133338_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221210T133135_20221210T133338_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221210T134712_20221210T141938_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221210T144712_20221210T141938_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221210T142652_20221210T143232_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_IOPM_2_20221210T143537_20221210T143537_20221210T144011_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T15113_20221210T151354_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T1511354_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T1511354_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been se	CS_OFFL_SIR_IOPM_2_20221210T125601_20221210T131554_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221210T133135_20221210T133338_C001 and Backscatter Quality, OCCG Attimeter Range and Backscatter Quality, OCCG Backscatter Quality The OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T142652_20221210T143223_C001 OCCG Attimeter Range, SSHA, SWH and Backscatter Quality, OCCG Backscatter Quality The OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T143537_20221210T144011_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been ad the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags tor one or more records CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality, OCCG Attimeter Range and Backscatter Qual	CS_OFFL_SIR_IOPM_2_20221210T131556_20221210T132358_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221210T134712_20221210T141938_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T142652_20221210T143223_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_20221210T142652_20221210T143233_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Iss and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T151113_20221210T151354_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality 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 have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags hard backscatter Quality The Ocean Altimeter Range and Backscatter Qu	CS_OFFL_SIR_IOPM_2_20221210T133135_20221210T133338_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_202212101142652_202212101143223_C001 Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_202212101142652_202212101143537_202212101144011_C001 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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags for one or more records CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been St for one or more records CS_OFFL_SIR_IOPM_2_20221210T160555_20221210T161109_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have been St for one or more records CS_OFFL_SIR_IOPM_2_20221210T161551_20221210T163249_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20221210T134712_20221210T141938_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221210T143537_20221210T144011_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221210T151113_20221210T151354_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221210T152615_20221210T16109_C001Ocean Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221210T160555_20221210T161109_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOGThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more recordsCS_OFFL_SIR_IOPM_2_20221210T161551_20221210T163249_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGThe OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backs	CS_OFFL_SIR_IOPM_2_20221210T142652_20221210T143223_C001		
CS_OFFL_SIR_IOPM_2_20221210T151113_20221210T151354_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T160555_20221210T161109_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_20221210T160555_20221210T161109_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T161551_20221210T163249_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221210T143537_20221210T144011_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221210T160555_20221210T161109_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_20221210T161551_20221210T161249_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and Backscatter Quality, OCOG 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_20221210T151113_20221210T151354_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221210T160555_20221210T161109_C001 Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_20221210T161551_20221210T163249_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 have been	CS_OFFL_SIR_IOPM_2_20221210T152615_20221210T155937_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221210T161551_20221210T163249_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221210T160555_20221210T161109_C001		
	CS_OFFL_SIR_IOPM_2_20221210T161551_20221210T163249_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20221210T170432_20221210T172503_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_20221210T172508_20221210T173809_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_20221210T174137_20221210T174556_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_20221210T174602_20221210T174610_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_20221210T174615_20221210T175009_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_20221210T175457_20221210T182832_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_20221210T182954_20221210T183240_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_20221210T184426_20221210T185533_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_20221210T190015_20221210T190401_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_20221210T190513_20221210T191741_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_20221210T191938_20221210T192456_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_20221210T192515_20221210T192711_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_20221210T193529_20221210T194834_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_20221210T195048_20221210T200415_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_20221210T200504_20221210T200720_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_20221210T203010_20221210T204036_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_20221210T204215_20221210T205624_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_20221210T205905_20221210T210408_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_20221210T211240_20221210T211338_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_20221210T212020_20221210T212445_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_20221210T213014_20221210T213021_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_20221210T213112_20221210T213426_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_20221210T213549_20221210T214242_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_20221210T220614_20221210T220619_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_20221210T221438_20221210T223513_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_20221210T223922_20221210T224325_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_20221210T225001_20221210T232421_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_20221210T233911_20221210T234004_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_20221210T003042_20221210T003046_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_20221210T061140_20221210T061715_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_20221210T090357_20221210T090945_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_20221210T100202_20221210T100539_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_20221210T114351_20221210T114530_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_20221210T145136_20221210T145251_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_20221210T151010_20221210T151113_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_20221210T183241_20221210T183348_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_20221210T211051_20221210T211240_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_20221210T212446_20221210T212948_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_20221210T015603_20221210T015611_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_20221210T024335_20221210T024649_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_20221210T034928_20221210T035222_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_20221210T051529_20221210T051548_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_20221210T075731_20221210T075748_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_20221210T084503_20221210T084808_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_20221210T125504_20221210T125600_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_20221210T155937_20221210T160234_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_20221210T184301_20221210T184316_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

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

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Number of products with errors:

Product	Test Failed	Description
	3	The OCOG Range and Backscatter Quality Flags have been set for one or more records
	o i	The OCOG Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_IOPN_2_20221210T015645_20221210T015751_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_20221210T022109_20221210T022202_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_20221210T022504_20221210T022642_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_20221210T022659_20221210T023033_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_20221210T025339_20221210T025657_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_20221210T034450_20221210T034543_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_20221210T040410_20221210T040603_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_20221210T043236_20221210T043548_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_20221210T060708_20221210T060943_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_20221210T061140_20221210T061715_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_20221210T070229_20221210T070727_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_20221210T082433_20221210T082709_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_20221210T084136_20221210T084244_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_20221210T084347_20221210T084503_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_20221210T090357_20221210T090945_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_20221210T091541_20221210T091921_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_20221210T102053_20221210T102647_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_20221210T114351_20221210T114530_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_20221210T125228_20221210T125245_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_20221210T134306_20221210T134711_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_20221210T142322_20221210T142652_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_20221210T145136_20221210T145251_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_20221210T150435_20221210T150526_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_20221210T160234_20221210T160555_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_20221210T161109_20221210T161233_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_20221210T163249_20221210T163615_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
	1	1

D2 DPL SHL DH D 202012011 KEXX 20212011 KEXX 0011 DD00 Alternative Displant (Alternative			
Bit With Bit Unit 2 and Diff 2 a	CS_OFFL_SIR_IOPN_2_20221210T165300_20221210T165441_C001		
circle GHPL SHR OPPL 2 20212101212440 202111721144 2001 PM Sector Market Fueld Y TIME 0000 Fueld and the Sector Parameter Subt. With a sector memory in the Sector Parameter Subt. With a sector memory interest Parameter Subt. With a sector memory intere	CS_OFFL_SIR_IOPN_2_20221210T202653_20221210T203010_C001		
Cit, Derit, Jan, Derit, J. 2009 (1172) 142, 2009 and the state of	CS_OFFL_SIR_IOPN_2_20221210T210546_20221210T211044_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CSC UPT _ DM_ CHU C_2007 INTERN_CONTROL (1977) 2007 INTERN_CONT COOD Reduction Carly more records CSC UPT _ DM_ C_000_FL_2_02021 INTERN_CONT COOD Reduction Carly PMR. COOL (1975) 2007 INTERN_CONT The COOD Result of the COOD Anterest Carly PMR. COOL (1975) 2017 INTERN_CONT CSC UPT _ DM_ C_000_FL_2_02021 INTERN_CONT COOD Reduction Carly PMR. COOL (1975) 2017 INTERN_CONT The COOD Result of the COOD Anterest PMR are to Electronic Carly PMR. COOL (1975) 2017 INTERN_CONT CSC UPT _ DM_ CPT _ DM_	CS_OFFL_SIR_IOPN_2_20221210T211344_20221210T211442_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Bit Der Lish UNIT & Bult Lichtichen Balt Lichtichen Stell, Will Twore reverie 08, DPFL JBFL JOPHL 2, XXXX1167214620, XXXX12617261462, XXX1167214600, XXX12617261462, XXX1167214600, XXX11	CS_OFFL_SIR_IOPN_2_20221210T212446_20221210T212948_C001		
B2_OFFL_BIN_UON_2_20221201724158_02222101722118_0001 Hell Baseceller Quily ILML CODE Network Park Internet Registry Base Network Registry Base Net	CS_OFFL_SIR_IOPN_2_20221210T213427_20221210T213549_C001		
CS_DFT_SR_DUPLE_2002120102055_20021210122455 CCCCG Backscatter Cuality Emer resold. CS_DFT_SR_DOPL_2_20221210722455 CCCCG Backscatter Cuality File Cocco Alterneter Range, SSHA, SWH and Backscatter Cuality Flags. CS_DFT_SR_DOPL_2_20221210722455 CCCCG Alterneter Range Cuality File Cocco Alterneter Range and Backscatter Cuality File Cocco Alterneter Range and Backscatter Cuality CS_DFT_SR_DOPL_2_20221210722465 CCCCG Alterneter Range Cuality FILE The COCCG Range and Backscatter Cuality File Cocco Range and Ba	CS_OFFL_SIR_IOPN_2_20221210T214630_20221210T215142_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_UOPL_2_30221210732461_2002110724489_C001 and Bascenter Coulty PLM. COOC Amount PLM. Cooc Amount PLM. Cook Amount PLM.	CS_OFFL_SIR_IOPN_2_20221210T220732_20221210T221116_C001		
CSUDFL_SIN_DPH_SIN_CONT_200212101234006_00212101234006_0001 DOOD Balascaster Gually more records CS_OFFL_SIN_OPH_2.02212107234006_002212107234006_00212107234006_0001 OCOD Attracere Range Gually PLMA. The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_OPH_2.002212107234006_002212107234006_0001 OCOD Attracere Range Gually PLMA. The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_OPH_2.002212107023401_0022727_0001 OCOD Attracere Range Gually PLMA. The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_OPH_2.002212107002732_002212107002772_0001 OCOD Attracere Range Gually PLMA. The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_OPH_2.002212107002732_002212107002732_002212107002732_002212107002732_002212107002732_002212107012117_C001 PARME The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_OPH_2.002212107011191_002212107012117_C001 PARME PROME The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_IOPH_2.202212107011919_00221210702140_0001 OCOBA Attracer Range_0344.SVH and Backscatter Gually Flags have been set for one or more records The OCOD Range and Backscatter Gually Flags have been set for one or more records CS_OFFL_SIN_IOPH_2.202212107011919_00221210702101 CO	CS_OFFL_SIR_IOPN_2_20221210T224551_20221210T224839_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_0221210723406_0221210723406_0001 OCOG Backscatter Qualty Immore monds CS_OFFL_SIR_IOPR_2_0221210723406_0021210723406_0001 OCOG Attimuter Range Qualty PLIM, OCOG Backscatter Qualty The OCOG Range and Backscatter Qualty Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_02221210703140_200212107032727_0001 OCOG Backscatter Qualty PLIM, OCGG Attimuter Range, SSIA, SWH Flag The OCOG Range and Backscatter Qualty Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_02221210700140_0022227_0001 OCGG Range and Backscatter Qualty Flags have been set for one or more records The OCOG Range and Backscatter Qualty Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_022212107002729_02212107003014_0001 Ocean Attimoter Range, SSIA, SWH and Backscatter Qualty Flags have been attimeter Range, SSIA, SWH and Backscatter Qualty Flags have been attimeter Range, SSIA, SWH and Backscatter Qualty Flags have been attimeter Range, SSIA, SWH and Backscatter Qualty Flags have been attimeter Range, SSIA, SWH and Backscatter Qualty Flags have been attimeter Range, SSIA, SWH and Backscatter Qualty Flags have been attion or or more records CS_OFFL_SIR_IOPR_2_0222121070115792_022121070121570_02022_0001 OCOG Rander Range, SSIA, SWH and Backscatter Qualty Flag The Ocean Attimeter Range, SSIA, SWH and Backscatter Qualty Flags have been set for one or more records </td <td>CS_OFFL_SIR_IOPN_2_20221210T232630_20221210T233006_C001</td> <td></td> <td></td>	CS_OFFL_SIR_IOPN_2_20221210T232630_20221210T233006_C001		
CS, OFFL_SIR_JOPR_2_20221210T234915_20221210T236917_C001 CG, OFFL_SIR_JOPR_2_20221210T234915_20221210T02577_C001 CG_OFFL_SIR_JOPR_2_20221210T031940_20221210T002777_C001 CG_OFFL_SIR_JOPR_2_20221210T001940_20221210T002777_C001 CG_OFFL_SIR_JOPR_2_20221210T001940_20221210T002777_C001 CG_OFFL_SIR_JOPR_2_20221210T001940_20221210T002777_C001 CG_OFFL_SIR_JOPR_2_20221210T001940_20221210T002778_20221210T002778_20221210T002778_20221210T002778_20221210T002778_20221210T002778_20221210T001111111111111111111111111111	CS_OFFL_SIR_IOPN_2_20221210T234005_20221210T234127_C001		
CSL DFH_SIR_JOPR_2_20221210T001940_20221210T002727_0001 OCCes Backscater Quality Immor records CS_OFFL_SIR_JOPR_2_20221210T001940_20221210T002727_0001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality Flags have been et for one or more records Immore records CS_OFFL_SIR_JOPR_2_20221210T002729_0021210T002727_0001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality Flags have been et for one or more records Immore records CS_OFFL_SIR_JOPR_2_20221210T011819_20221210T012117_0001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality Flags have been et for one or more records Immore records CS_OFFL_SIR_JOPR_2_20221210T011819_20221210T012117_0001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality Flags have been et for one or more records CS_OFFL_SIR_JOPR_2_20221210T015752_20221210T020529_0001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality Flags have been et for one or more records CS_OFFL_SIR_JOPR_2_20221210T020529_0001 Ocean Altimeter Range, SSHA, SWH and Backscater Quality Flags have been set for one or more records CS_OFFL_SIR_JOPR_2_20221210T020591_20221210T021640_0001 OCCOA Altimeter Range, SSHA, SWH and Backscater Quality Flags have been set for one or more records CS_OFFL_SIR_JOPR_2_20221210T026557_20221210T021640_0001 OCCOA Altimeter Range, SSHA, SWH and Backscater Quality Flags, Nave been set for one or more records CS_OFFL_SIR_JOPR_2_20221210T025657_20221210T0265657_20221210T0303227_0001 OCCOA Altimeter Rang	CS_OFFL_SIR_IOPN_2_20221210T234606_20221210T234804_C001		
C6_OFFL_SIR_JOPR_2_20221210T001940_20221210T002727_0001 and Backscatter Quality PLRM, OCOG Attimuter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimuter Range, SSHA, SWH and Backscatter Quality Flags and to OCOG Attimuter Range, SSHA, SWH and Backscatter Quality Flags and to OCOG Attimuter Range, SSHA, SWH and Backscatter Quality Flags and to OCOG Attimuter Range, SSHA, SWH and Backscatter Quality Flags and to OCOG Attimuter Range and Backscatter Quality Flags and to OCOG Attimuter Range and Backscatter Quality Flags and to OCOG Attimuter Range and Backscatter Quality Flags have been set for one or more records C5_OFFL_SIR_JOPR_2_20221210T021436_20221210T021436_0001 OCOG Attimuter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records C6_OFFL_SIR_JOPR_2_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024585_20221210T024587_2001	CS_OFFL_SIR_IOPN_2_20221210T234915_20221210T235017_C001		
CS_OFFL_SIR_IOPR_2_20221210T002729_20221210T003014_C001 and Backscatter Quality PLBM_MCCCG Attemeter Range and Backscatter Quality PLBM_MCCGG Cocean Allimeter Range and Backscatter Quality PLBM_MCCGG CS_OFFL_SIR_IOPR_2_20221210T011819_20221210T012117_C001 Cocean Allimeter Range and Backscatter Quality PLBM_MCCGG QCean Allimeter Range and Backscatter Quality PLBM_MCCGG The Ocean Allimeter Range and Backscatter Quality PLBM_MCCGG CS_OFFL_SIR_IOPR_2_20221210T015752_20221210T012553_C001 COCGG Allimeter Range and Backscatter Quality PLBM_MCCGG QCean Allimeter Range and Backscatter Quality PLBM_MCCGG The Ocean Allimeter Range and Backscatter Quality PLBM_MCCGG CS_OFFL_SIR_IOPR_2_20221210T020533_C001 COCGG Allimeter Range Quality PLBM_MCCGG The OCGG Range and Backscatter Quality FLBM_MCCGG CS_OFFL_SIR_IOPR_2_20221210T021436_20221210T021633_C001 COCGG Allimeter Range Quality PLBM_MCCGG The OCGG Range and Backscatter Quality FLBgS have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T021435_20221210T021633_C001 COCGG Allimeter Range, SSHA, SWH and Backscatter Quality FLBgS have been set for one or more records The OCGG Range and Backscatter Quality FLBgS have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T024649_C001 COCGG Allimeter Range, SSHA, SWH and Backscatter Quality FLBgS have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T024649_C001 COCGG Allimeter Range, SSHA, SWH and Backscatter Quality FLBgS have be	CS_OFFL_SIR_IOPR_2_20221210T001940_20221210T002727_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20221210T011819_20221210T012117_C001 and Backscatter Quality PLEM, COURD Ine Ocean Alimeter Range, SSHA, SWH and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T015752_20221210T020523_C001 OCCGA Alimeter Range, SSHA, SWH and Backscatter Quality PLEM, COCGA CS_OFFL_SIR_IOPR_2_20221210T020512_002011 OCCGA Alimeter Range, Quality PLEM, COCGA The OCCGA Raimeter Range Alimeter Range Ali	CS_OFFL_SIR_IOPR_2_20221210T002729_20221210T003014_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20221210T015752_20221210T020523_C001 and Backscatter Quality PLRM, OCOG Into the OCOG Altimeter Range and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T020911_20221210T021040_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG	CS_OFFL_SIR_IOPR_2_20221210T011819_20221210T012117_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_20221210T0201436_20221210T021633_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T021436_20221210T021633_C001 OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T024335_20221210T024649_C001 Cean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T025657_20221210T030020_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T035657_20221210T034327_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T034327_C001 Cean Attimeter Range Quality PLRM, COCG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T034927_C001 OCOG Attimeter Range Quality PLRM, COCG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T035222_C001 OCOG Attimeter Range Quality PLRM, COCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T035222_C001 OCOG Attimeter Range Quality PLRM, COCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T035	CS_OFFL_SIR_IOPR_2_20221210T015752_20221210T020523_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_202212101024335_202212101024649_C001 OCCG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_202212101024335_202212101024649_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_202212101033329_202212101034327_C001 Ocean Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_IOPR_2_202212101034928_202212101034327_C001 Ocean Altimeter Range Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101034928_202212101035222_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range Quality PLRM, OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101035438_202212101035656_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101035438_202212101042610_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Qualit	CS_OFFL_SIR_IOPR_2_20221210T020911_20221210T021040_C001		
CS_OFFL_SIR_IOPR_2_20221210T024335_20221210T024649_C001 and Backscatter Quality PLRM Inte OCGA Mitimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T025657_20221210T030020_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20221210T033329_20221210T034327_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T03329_20221210T034327_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T035222_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter 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_20221210T035438_20221210T035656_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T042237_20221210T042610_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have	CS_OFFL_SIR_IOPR_2_20221210T021436_20221210T021633_C001		
CS_OFFL_SIR_IOPR_2_20221210T025657_20221210T030020_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM Ine Occean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T033329_20221210T034327_C001 Cean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags hard the OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T035438_20221210T035656_C001 OCOG Attimeter 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_20221210T042237_20221210T042210_C001 OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags hard backscatter Quality Flags hard backscatter Quality Flags hard backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags hard backscatter Quality Flags hard backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags hard backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPR_2_20221210T024335_20221210T024649_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_20221210T033329_20221210T034327_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T035222_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_20221210T035438_20221210T035656_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_20221210T035438_20221210T035656_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221210T042237_20221210T042610_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, PLRM The OCOG Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Range and Backscatter Quality Flags have been set for one or set for one or more records	CS_OFFL_SIR_IOPR_2_20221210T025657_20221210T030020_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_202212101034928_202212101035222_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_202212101035438_202212101035656_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101042237_202212101042610_C001 Ocog Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH 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_202212101042237_202212101042610_C001 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_202212101051354_202212101051416_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_IOPR_2_20221210T033329_20221210T034327_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_202212101035438_202212101035656_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_202212101042237_202212101042610_C001 Ocean Altimeter Range, SSHA, SWH 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_202212101042237_202212101042610_C001 OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202212101051354_202212101051416_C001 OCOG Altimeter Range Quality PLRM, The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPR_2_20221210T034928_20221210T035222_C001		
CS_OFFL_SIR_IOPR_2_20221210T042237_20221210T042610_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_IOPR_2_20221210T035438_20221210T035656_C001		
	CS_OFFL_SIR_IOPR_2_20221210T042237_20221210T042610_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_20221210T051354_20221210T051416_C001		, , , , , , , , , , , , , , , , , , ,

CS_OFFL_SIR_IOPR_2_20221210T051550_20221210T052227_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, 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_20221210T052227_20221210T053713_C001	PLRM 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_20221210T060009_20221210T060708_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_20221210T065217_20221210T065238_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_20221210T070119_20221210T070228_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_20221210T074104_20221210T074607_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_20221210T083501_20221210T083753_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_20221210T083753_20221210T084136_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_20221210T092309_20221210T092436_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_20221210T095841_20221210T095934_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_20221210T095937_20221210T100032_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_20221210T101421_20221210T102052_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_20221210T102648_20221210T102930_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_20221210T115204_20221210T115423_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_20221210T115613_20221210T120107_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_20221210T124024_20221210T124312_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_20221210T133016_20221210T133135_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_20221210T133338_20221210T134306_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_20221210T141939_20221210T142322_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_20221210T144011_20221210T144321_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_20221210T150645_20221210T151001_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_20221210T151355_20221210T152158_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_20221210T152358_20221210T152521_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_20221210T155937_20221210T160234_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_20221210T164319_20221210T164634_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_20221210T165442_20221210T170152_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_20221210T170225_2022121	I0T170341_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_20221210T175119_2022121	I0T175457_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_20221210T183349_2022121	IOT184109_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records			
CS_OFFL_SIR_IOPR_2_20221210T184301_2022121	IOT184316_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_20221210T192907_2022121	IOT193529_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_20221210T194834_2022121	I0T195048_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_20221210T200720_2022121	10T201047_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_20221210T201304_2022121	10T201951_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_20221210T204036_2022121	0T204215_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_20221210T211443_2022121	0T211530_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_20221210T221340_2022121	10T221437_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_20221210T233225_2022121	0T233911_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 & 1 Hz PLRM)						
Currently, there are several common flags raised in	n the Level 2 products, whi	ch are summarised below.				
> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These	flags are currently set for pro	ducts over sea ice, which is to be expecte	ed. The number of products with this error flag set is given below.			
Number of products with errors:	196					
5812 Occan Potrocking Quality Ch	ook.					
	5.8 L2 Ocean Retracking Quality Check					
L2 Retracking Flags (20 Hz)		The block of the block				
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz measurement record. The bit value of this flag indicates any problems when set. > Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.						
		and sea ice, but this is to be expected. Th	ie number of products with this error flag set is given below.			
Number of products with errors:	62					
L2 Retracking Flags (20 Hz PLRM)						
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz PLRM measurement record. The bit value of this flag indicates any problems when set. > Ocean Retracking Quality Flag (PLRM): This flag is currently set for products IOPR and IOPN products over sea ice, but this is to be expected. The number of products with this error flag set is						
given below.						
Number of products with errors:	149					
	6. <mark>IOP</mark> L2 P	ole-to-Pole Data Quality	Check			

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

0

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

> 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.

30

> 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.

Desclust	Test Failed	Description
Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20221209T233406_20221210T002342_C002	Mean Sea 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_20221210T002342_20221210T011321_C001	Mean Sea 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_20221210T011321_20221210T020257_C001	Mean Sea 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_20221210T020257_20221210T025236_C001	Mean Sea 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_220221210T025236_20221210T034211_C001	Mean Sea 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_20221210T034211_20221210T043150_C001	Mean Sea 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_20221210T043150_20221210T052126_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20221210T052126_20221210T061105_C001	Mean Sea 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_20221210T061105_20221210T070041_C001	Mean Sea 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_20221210T070041_20221210T075020_C001	Mean Sea 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_20221210T075020_20221210T083955_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20221210T083955_20221210T092934_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_IOP_2_20221210T092934_20221210T101910_C001	Mean Sea 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_20221210T101910_20221210T110849_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20221210T110849_20221210T115825_C001	Mean Sea 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_20221210T115825_20221210T124804_C001	Mean Sea 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_20221210T124804_20221210T133740_C001	Mean Sea 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_20221210T133740_20221210T142719_C001	Mean Sea 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_20221210T142719_20221210T151654_C001	Mean Sea 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_20221210T151654_20221210T160633_C001	Mean Sea 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_20221210T160633_20221210T165609_C001	Mean Sea 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_20221210T165609_20221210T174548_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20221210T174548_20221210T183524_C001	Mean Sea 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_20221210T183524_20221210T192502_C001	Mean Sea 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_20221210T192502_20221210T201438_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20221210T201438_20221210T210417_C001	Mean Sea 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_20221210T210417_20221210T215353_C001	Mean Sea 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_20221210T215353_20221210T224332_C001	Mean Sea 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_220221210T224332_20221210T233308_C001	Mean Sea 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_20221210T233308_20221211T002247_C002	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records

6.5 P2P Measurement Conf	idence Data Check			
CryoSat P2P data includes a measurem	ent confidence flag for each 20-Hz me	asurement record. The bit value of	this flag indicates any problems when set.	
Number of products with errors:	2			
Product		Test Failed	Description	
CS_OFFL_SIR_IOP_2_20221210T020	257_20221210T025236_C001	Power scaling error	There is an error in the scaling of the records	L1B waveform for one or more
CS_OFFL_SIR_IOP_220221210T183	524_20221210T192502_C001	Power scaling error	There is an error in the scaling of the records	L1B waveform for one or more
6.6 P2P Measurement Qual	ity Flag Check			
P2P Quality Flags (20 Hz)				
CryoSat P2P data includes Quality Flags	for each 20 Hz, 20 Hz PLRM and 1 H	Iz measurement record, copied fro	m the corresponding L2 products.	
Since the P2P Quality Flags are copie below.	d directly from the L2 Quality Flags	, please see Section 5.6 for the	full list of products affected. The number of P2F	P products affected is given
Number of products with errors:	30			
P2P Quality Flags (20 Hz PLR)	M)			
Since the P2P Quality Flags are copie below.	d directly from the L2 Quality Flags	s, please see Section 5.6 for the	full list of products affected. The number of P2F	P products affected is given
Number of products with errors:	30			
P2P Quality Flags (1 Hz & 1 Hz	z PLRM)			
Since the P2P Quality Flags are copie below.	d directly from the L2 Quality Flags	s, please see Section 5.6 for the	number of L2 products affected. The number of	P2P products affected is given
Number of products with errors:	30			
6.8 P2P Ocean Retracking	Quality Check			
P2P Retracking Flags (20 Hz)				
Cryosat P2P data includes an ocean retr	racking quality flag (field 19) for each 2	20 Hz measurement record. The bit	value of this flag indicates any problems when set	
> Ocean Retracking Quality Flag (PLR	RM): This flag is currently set for produ	cts IOPR and IOPN products over	sea ice, but this is to be expected.	
Number of products with errors:	29			
P2P Retracking Flags PLRM				
CryoSat L2 data includes an ocean retra	cking quality flag for each 20 Hz PLRM	I measurement record. The bit val	ue of this flag indicates any problems when set.	
> Ocean Retracking Quality Flag (PLR)	RM): This flag is currently set for produ	cts IOPR and IOPN products over	sea ice, but this is to be expected.	
Number of products with errors:	30			
	7	. IOP QCC Report A	nalysis	
The Quality Control for CryoSat (QCC) fa warnings is provided below.	acility performs a primary survey of dat	a products immediately after produ	iction by the PDS and LTA processing facilities. A l	ist of the tests which raised errors c
Product type	No. Products No.	QCC Beports	No. Valid No. Warnings	No. Frrors

No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
194	194	6	188	0
124	104	4	100	0
104	124	0	124	0
197	197	143	54	0
124	104	38	65	1
104	124	33	91	0
29	29	0	28	1
	194 124 104 197 124 104	194 194 124 104 104 124 197 197 124 104 197 197 124 104 104 124	194 194 6 124 104 4 104 124 0 197 197 143 124 104 38 104 124 33	194 194 6 188 124 104 4 100 104 124 0 124 197 197 143 54 124 104 38 65 104 124 33 91

7.1 QCC Errors

Number of QCC reports with errors: 8 Total number of occurrences of each error Product Type RLOBOPNCDF RL SIR_IOPN_2 1 1 RLOBOPNCDF RL ----1 1 Product Type RLOBOPNCDF SIR_IOP_2_ 1 RLOBOPNCDF RL RL ---1 1 1

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

7.2 QCC Warnings

			Total n	umber of occurrences of e	ach warning		
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC
SIR_IOPM1B	188	0	0	0	0	0	0
SIR_IOPM_2	0	0	39	41	1	45	0
SIR_IOPN1B	99	0	0	0	0	0	0
SIR_IOPN_2	0	1	10	32	4	29	26
SIR_IOPR1B	121	0	0	0	0	0	0
SIR_IOPR_2	0	0	38	49	3	35	27
Product Type	RBSZOPOEPNCDF	RLPTONCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCI	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	36	6	0	34	0	0	0
SIR_IOPN1B	0	0	0	0	0	0	0
SIR IOPN 2	17	47	0	0	0	21	0

SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	11	49	4	0	50	0	62
Product Type	RPEPOPFDSINNCDF	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	0	26	0	0	7	31	0
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	33	0	0	27	16	41	52
SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	0	0	50	0	3	74	45
Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	4	36	0	1	0	0	0
SIR_IOPN1B	0	0	0	0	0	51	2
SIR_IOPN_2	27	29	29	11	1	0	0
SIR_IOPR1B	0	0	0	0	0	124	9
SIR_IOPR_2	13	41	52	4	0	0	0
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
SIR_IOP_2_	11	29	29	7	29	18	29
Product Type	RLPTONCDF	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF
SIR_IOP_2_	29	4	18	29	24	18	29
Product Type	RSSHAOFDPLRMNCDF	RSSHAONCDF		RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-
SIR_IOP_2_	17	24	29	19	10	29	
Product Type	-	-	-	-	-	-	-
SIR_IOP_2_							
						-	

rest 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			
RLPTONCDF	RangeLongPeriodTideOceanNetCDF	The Long period tide height should be between -50mm and 50mm (or missing) for surface type = ocean - NetCDF			
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean			
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPFDPLRMSAR NCDF	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 F	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 DF	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			

7.3 Missing QCC Reports

Number of products with missing QCC reports:

1

L1B and L2 Product name n/a P2P Product name CS_OFFL_SIR_IOP_2_20221210T233308_20221211T002247_C002