

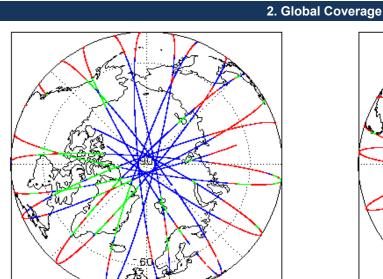
QA4EO Daily Report for IOP data:

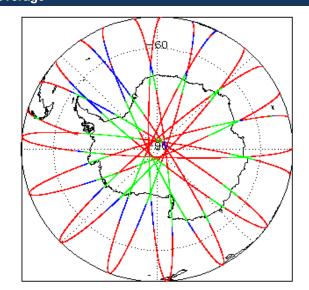
<u>19/02/2022</u>

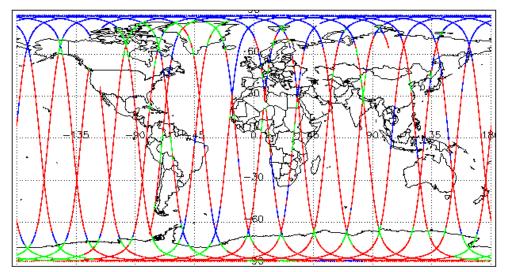
IDEAS-QA4E0

eport Production:	22-Feb-2022	Check	L1 & L2	P2P
report Production.	22-1 60-2022	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	Oran Oct Octor Drawner	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) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal	
	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1 and 7.

Mission / Instru	Mission / Instrument News		
18-Feb-2022	None		
19-Feb-2022	None		
20-Feb-2022	Nothing planned		











3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

0

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

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a 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	d SPH in order to identify any inco	nsistencies and/or errors raised by the ground-segment processing chain.
> L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L OSARIn chains. A modification is required in the next release.	1B IOPR and IOPN products beca	use the I1b_processing_quality_hr field is not correctly configured in the OSAR and
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 pro	e-determined baseline and also to	check the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag for each measurement recor	d. The bit value of this flag indicate	es any 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 measurer	nent record. The bit value of this fl	ag indicates any problems when set.
> Attitude Correction Missing: This flag is currently set in error for IOPR pro	ducts due to a configuration issue.	The attitude correction is actually not missing. This will be resolved in the next SW upda
Number of products with errors: 2		
Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20220219T110036_20220219T111252_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more
CS_OFFL_SIR_IOPM1B_20220219T151512_20220219T151647_C001	Power scaling error	records There is an error in the scaling of the L1B waveform for one or more records
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag for each measurement record	d. The bit value of this flag indicate	s any problems when set.
Loss of Echo Flag: This flag is currently set for products over land, but this is	to be expected.	
Number of products with errors: 18		
Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20220219T061530_20220219T061718_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20220219T081634_20220219T081636_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20220219T102905_20220219T104453_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20220219T165533_20220219T165709_C001	Loss of Echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_IOPR1B_20220219T062904_20220219T063054_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220219T141534_20220219T141611_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220219T155431_20220219T155600_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220219T164158_20220219T164347_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220219T180911_20220219T181938_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220219T182146_20220219T182247_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220219T195837_20220219T201340_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20220219T232057_20220219T232535_C001	Loss of Echo	The tracking echo is missing for one or more records

Loss of Echo

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

CS_OFFL_SIR_IOPN1B_20220219T050058_20220219T050156_C001

CS_OFFL_SIR_IOPN1B_20220219T081714_20220219T082127_C001

CS OFFL SIR IOPN1B 20220219T095931 20220219T100032 C001

CS_OFFL_SIR_IOPN1B_20220219T113726_20220219T113937_C001

CS_OFFL_SIR_IOPN1B_20220219T204752_20220219T205331_C001

CS_OFFL_SIR_IOPN1B_20220219T235400_20220219T235459_C001

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

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

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

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

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

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

55

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20220219T001746_20220219T002457_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPM_2_20220219T045237_20220219T045338_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPM_2_20220219T165533_20220219T165709_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20220219T000839_20220219T001046_C001	Mean Sea Surface (1), Mean 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_20220219T005118_20220219T005253_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20220219T010146_20220219T010345_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20220219T014751_20220219T015237_C001	Mean Sea Surface (1), Mean 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_20220219T023936_20220219T024205_C001	Mean Sea Surface (1), Mean 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_20220219T041035_20220219T041426_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_20220219T050058_20220219T050156_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20220219T055020_20220219T055333_C001	Mean Sea Surface (1), Mean 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_20220219T072742_20220219T073206_C001	Mean Sea Surface (1), Mean 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_20220219T073751_20220219T073910_C001	Mean Sea Surface (1), Mean 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_20220219T081714_20220219T082127_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_20220219T091524_20220219T091711_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20220219T095931_20220219T100032_C001	Mean Sea Surface (1), Mean 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_20220219T105332_20220219T105558_C001	Mean Sea Surface (1), Mean 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_20220219T113726_20220219T113937_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20220219T122338_20220219T122559_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20220219T123236_20220219T123658_C001	Mean Sea Surface (1), Mean 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_20220219T140357_20220219T140628_C001	Mean Sea Surface (1), Mean 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_20220219T141351_20220219T141534_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20220219T172949_20220219T173306_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20220219T190224_20220219T190338_C001	Mean Sea Surface (1), Mean 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_20220219T190847_20220219T191201_C001	Mean Sea Surrace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GCT), Total Geocentric Ocean Tide (FES) Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20220219T204321_20220219T204557_C001	Mean Sea Surface (1), Mean 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_20220219T204752_20220219T205331_C001	Mean Sea Surface (1), Mean 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_20220219T213839_20220219T214130_C001	Mean Sea Surface (1), Mean 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_20220219T222200_20220219T222458_C001	Mean Sea Surface (1), Mean 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_20220219T231749_20220219T231856_C001	Mean Sea Surface (1), Mean 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_20220219T000455_20220219T000839_C001	Mean Sea Surface (1), Mean 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_20220219T014020_20220219T014751_C001	Mean Sea Surface (1), Mean 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_20220219T031824_20220219T032825_C001	Mean Sea Surface (1), Mean 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_20220219T045104_20220219T045237_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20220219T050156_20220219T050945_C001	Mean Sea Surface (1), Mean 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_20220219T064127_20220219T065250_C001	Mean Sea Surface (1), Mean 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_20220219T082127_20220219T082913_C001	Mean Sea Surface (1), Mean 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_20220219T100032_20220219T100602_C001	Mean Sea Surface (1), Mean 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_20220219T112926_20220219T113030_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20220219T113937_20220219T114631_C001	Mean Sea Surface (1), Mean 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_20220219T131800_20220219T132312_C001	Mean Sea Surface (1), Mean 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_20220219T145539_20220219T150329_C001	Mean Sea Surface (1), Mean 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_20220219T163405_20220219T164135_C001	Mean Sea Surface (1), Mean 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_20220219T165045_20220219T165241_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20220219T180911_20220219T181938_C001	Mean Sea Surface (1), Mean 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_20220219T181938_20220219T182101_C001	Mean Sea Surface (1), Mean 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_20220219T182600_20220219T182838_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20220219T195201_20220219T195837_C001	Mean Sea Surface (1), Mean 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_20220219T195837_20220219T201340_C001	Mean Sea Surface (1), Mean 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_20220219T213253_20220219T213728_C001	Mean Sea Surface (1), Mean 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_20220219T213728_20220219T213839_C001	Mean Sea Surface (1), Mean 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_20220219T221725_20220219T222200_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_20220219T231107_20220219T231327_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20220219T231327_20220219T231748_C001	Mean Sea Surface (1), Mean 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_20220219T232654_20220219T232852_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20220219T110036_20220219T111252_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_20220219T151512_20220219T151647_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.

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

89

2

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20220219T001746_20220219T002457_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_IOPM_2_20220219T002620_20220219T005031_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_20220219T005253_20220219T010146_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_20220219T010352_20220219T012754_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_20220219T015237_20220219T015333_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_20220219T020300_20220219T022943_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_20220219T023511_20220219T023935_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_20220219T024225_20220219T030834_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_20220219T033641_20220219T040905_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_20220219T041426_20220219T042015_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_20220219T042140_20220219T044301_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_20220219T045237_20220219T045338_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_20220219T051254_20220219T054759_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_20220219T055333_20220219T055847_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_20220219T060025_20220219T060331_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_20220219T060532_20220219T060921_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_20220219T061530_20220219T061718_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_20220219T061722_20220219T061948_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_20220219T063602_20220219T063845_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_20220219T065250_20220219T070139_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_20220219T070425_20220219T072645_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_20220219T073206_20220219T073335_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_20220219T073342_20220219T073751_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_20220219T074002_20220219T075257_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_20220219T075418_20220219T080201_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_20220219T080257_20220219T080703_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_20220219T081451_20220219T081543_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_20220219T083332_20220219T083707_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_20220219T083847_20220219T090540_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_20220219T090707_20220219T091234_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_20220219T091254_20220219T091523_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_20220219T092009_20220219T092026_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_20220219T092337_20220219T093605_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_20220219T093638_20220219T095348_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_20220219T101720_20220219T102701_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_20220219T102905_20220219T104453_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_20220219T104635_20220219T105132_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_20220219T105140_20220219T105147_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_20220219T110036_20220219T111252_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_20220219T111732_20220219T112856_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_20220219T120829_20220219T122334_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_20220219T122559_20220219T123046_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_20220219T123110_20220219T123119_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_20220219T123126_20220219T123236_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_20220219T123658_20220219T130415_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_20220219T133249_20220219T133252_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_20220219T133852_20220219T135926_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_20220219T140014_20220219T140338_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_20220219T140629_20220219T141002_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_20220219T141025_20220219T141351_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_20220219T141611_20220219T144400_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_20220219T151649_20220219T154251_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_20220219T154420_20220219T154917_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_20220219T155600_20220219T163055_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_20220219T165533_20220219T165709_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_20220219T170646_20220219T171315_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_20220219T171607_20220219T171729_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_20220219T171929_20220219T172237_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_20220219T172419_20220219T172949_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_20220219T173516_20220219T180911_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_20220219T182248_20220219T182411_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_20220219T184209_20220219T190129_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_20220219T190338_20220219T190846_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_20220219T191404_20220219T194827_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_20220219T201340_20220219T201810_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_20220219T201842_20220219T203622_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_20220219T204557_20220219T204751_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_20220219T205436_20220219T210759_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_20220219T210920_20220219T211211_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_20220219T211652_20220219T212418_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_20220219T214402_20220219T220122_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_20220219T220309_20220219T221724_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_20220219T222801_20220219T223204_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_20220219T223342_20220219T224800_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_20220219T225119_20220219T230042_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_20220219T231856_20220219T231953_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_20220219T232853_20220219T234010_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_20220219T234548_20220219T235400_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_20220219T235459_20220220T000010_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_20220219T010146_20220219T010345_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_20220219T041035_20220219T041426_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_20220219T080202_20220219T080257_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_20220219T062904_20220219T063054_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_20220219T090540_20220219T090546_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_20220219T091235_20220219T091240_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_20220219T115055_20220219T115058_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_20220219T122335_20220219T122338_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_20220219T123046_20220219T123052_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_20220219T195837_20220219T201340_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (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.

93

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20220219T000345_20220219T000421_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_20220219T001145_20220219T001414_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_20220219T005118_20220219T005253_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_20220219T012822_20220219T013122_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_20220219T013219_20220219T013354_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_20220219T014751_20220219T015237_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_20220219T015334_20220219T015455_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_20220219T023403_20220219T023511_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_20220219T041035_20220219T041426_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_20220219T045849_20220219T045922_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_20220219T050945_20220219T051049_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_20220219T061948_20220219T062006_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_20220219T072742_20220219T073206_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_20220219T081543_20220219T081633_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPN_2_20220219T081543_20220219T081633_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 PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality PLRM	
PLRM OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags	r Quality Flags have been
CS_OFFL_SIR_IOPN_2_20220219T081714_20220219T082127_C001 OCOG Backscatter Quality FLKin, The OCOG Rainge and Backscatter	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T090546_20220219T090707_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags more records	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T095627_20220219T095745_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags more records	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T104453_20220219T104635_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Range, SSHA, SWH and SSHA, SWH an	
CS_OFFL_SIR_IOPN_2_20220219T105332_20220219T105558_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM.	
CS_OFFL_SIR_IOPN_2_20220219T111400_20220219T111443_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags more records	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T111443_20220219T111732_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags more records	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T113353_20220219T113653_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range and Backscatter Quality PLRM. The Ocean Altimeter	
CS_OFFL_SIR_IOPN_2_20220219T113726_20220219T113937_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags more records more records	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T123236_20220219T123658_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 PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM.	
CS_OFFL_SIR_IOPN_2_20220219T131146_20220219T131310_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags more records more records	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T131408_20220219T131800_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Range and Backscatter Range, SSHA, SWH and SHA, SWH	
CS_OFFL_SIR_IOPN_2_20220219T133517_20220219T133813_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags more records	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T140357_20220219T140628_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG PLRM	
CS_OFFL_SIR_IOPN_2_20220219T141351_20220219T141534_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags more records	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T150329_20220219T150348_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 PLRM. The Ocean Altimeter Range and Backscatter Range and Backscatter Quality PLRM. The Ocean Altimeter Range and Backscatter Quality PLRM.	
CS_OFFL_SIR_IOPN_2_20220219T154920_20220219T154924_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags more records more records	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T155252_20220219T155431_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags more records	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T163056_20220219T163211_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags more records of the term of	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T165709_20220219T165815_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COG Backscatter QUA	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T172300_20220219T172419_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags more records	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T172949_20220219T173306_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags more records	s have been set for one or
CS_OFFL_SIR_IOPN_2_20220219T182102_20220219T182146_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 PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM.	
CS_OFFL_SIR_IOPN_2_20220219T182838_20220219T182855_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COCOG	s have been set for one or

View Tr. SPR, OPPL_20200107100000_020219131100301_0011 DECD Backsoner Guity Incompare the second se	CS_OFFL_SIR_IOPN_2_20220219T182947_20220219T182958_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records
 Det Mit Sin (John 2, Jackel H1 Hauke Cold) Cold Basteane Gaily Met excess Andreas Farge, SBH, SWH, SWH et Basteane Colling Contra Link (John 2, Jackel H1 Hauke Cold) Contra Link (John 1, Jackel H1 Hauke Cold) Contruk (John 1, Jackel H1 Haukee Cold) Contra Link (CS_OFFL_SIR_IOPN_2_20220219T183008_20220219T183057_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
C5 OFTL_SIR_CEN_2 3022011/10223 42221 01100250 C001 Intel-Acade Calify FLM_CODE Intel-Acade Calify FLM_CODE C6 OFTL_SIR_CEN_2 3022011/120221 2022011/120267 C001 CoDE Altitude Regs_DBLA WH To CODE Altitude Regs_DBLA WH C6 OFTL_SIR_CEN_2 3022011/120205 C001 CODE Altitude Regs_DBLA WH To CODE Altitude Regs_DBLA WH C6 OFTL_SIR_CEN_2 3022011/120205 C001 CODE Altitude Regs_DBLA WH To CODE Altitude Regs_DBLA WH C6 OFTL_SIR_CEN_2 3022011/120205 C001 CODE Altitude Regs_DBLA WH To CODE Altitude Regs_DBLA WH C6 OFTL_SIR_CEN_2 3022011/120205 C001 CODE Altitude Regs_DBLA WH To CODE Regs and Backader Calify Flags have base and for one	CS_OFFL_SIR_IOPN_2_20220219T184000_20220219T184209_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
GS_OFR_SR_UPH_2_20222197124129_202222197124129_20222197124129_20222197124129_202	CS_OFFL_SIR_IOPN_2_20220219T190224_20220219T190338_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Construction of the const	CS_OFFL_SIR_IOPN_2_20220219T204321_20220219T204557_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
0.000 DOOD Backstaller Quality more records 0.0000 Attemptor Prange Quality RRN more records 0.0000 Attemptor Prange	CS_OFFL_SIR_IOPN_2_20220219T213839_20220219T214130_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
Den Der L. Sin (JOPK 2, AU202101 22305, 202202197230090, C001 OCOG Badesatter Quality Incre moords The OCOGR Altereder Range Quality CRM, The OCOGR Range and Backstatter Quality Flags have been set for one o nerve moords The OCOGR Range and Backstatter Quality Flags have been set for one o nerve moords CG_OFFL_SIR_JOPK 2, 20220219723093, 202202197230900, C001 OCOG Altereder Range Quality PLRM, CGO, CGG QUALITY COUNTY COUNTY COUNTY COUNTY COUNTY COUNTY COUNTY COUNTY Flags have been set for one o nerve moords CG_OFFL_SIR_JOPK 2, 20220219723093, 20220219723090, C001 OCOG Altereder Range Quality FLRM, CGOG Range and Backstatter Quality Flags have been set for one o nerve moords CGG QUALITY COUNTY COUNTY COUNTY Flags have been set for one o nerve moords CGG QUE ALTERED COUNTY FLAGS AND COUNTY Flags have been set for one o nerve moords CGG QUE ALTERED COUNTY FLAGS AND COUNTY FLAGS AND COUNTY FLAGS CGG Altereder Range QUALITY FLAGS AND COUNTY FLAGS CGG Altereder Range QUALITY FLAGS AND COUNTY FLAGS AND FL	CS_OFFL_SIR_IOPN_2_20220219T214215_20220219T214346_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFF_SR_OPU_2_0020219723149_20220219723155_C001 CCCG Backscatter Cualty The Ocean Attender Range SIRA, SWH The Ocean Attender Range SIRA, SWH CS_OFF_SR_OPU_2_0020219723160_20220219723160_20220219723160_20220219723160_20220219723160_20220219723464_C001 CCCG Rankscatter Cualty The OCEAN Attender Range SIRA, SWH CS_OFF_SR_OPU_2_00200219723160_20220219723464_C001 CCCG Rankscatter Cualty The OCCG Range and Backscatter Cualty Flags have been set for one or more records CS_OFF_SR_OPU_2_020202197234610_202202197234640_C001 CCCG Rankscatter Cualty The OCCG Range and Backscatter Cualty Flags have been set for one or more records CS_OFF_SR_OPU_2_02020219700455_20220219700455_0001 CCCG Rankscatter Cualty The OCCG Range and Backscatter Cualty Flags have been set for one or more records CS_OFF_SR_OPU_2_02020219700455_02020219700455_0001 CCCG Rankscatter Cualty The OCCGG Range and Backscatter Cualty Flags have been set for one or more records CS_OFF_SR_OPU_2_02020219701462_001 CCCG Rankscatter Cualty Flags have been set for one or more records The OCEAN Attender Range SIRA, SWH The OCEAN Attender Range SIRA, SWH The OCEAN Attender Range SIRA, SWH CS_OFF_SIR_OPR_2_02020219701462_020220219701475_C001 CCCGR Attender Range, SIRA, SWH The OCEAN Attender Range SIRA, SWH The OCEAN Attender Range SIRA, SWH The OCEAN Attender Range, SIRA, SWH The OCEAN Attender Range, SIRA, SWH T	CS_OFFL_SIR_IOPN_2_20220219T223205_20220219T223341_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
GS_OFFL_SIR_IOPAL_2.20220219T231749_20220219T231856_0.001 and Backscatter Oually FLM, OCOG and Backscatter Oually FLM, MCOCG GS_OFFL_SIR_IOPAL_2.20220219T231856_0.001 COCG Allmeter Range and Backscatter Oually FLM, MCOCG The OCOG Range and Backscatter Oually FLgs have been set for one or roor records GS_OFFL_SIR_IOPAL_2.20220219T234010_20220219T234548_CO01 COCG Allmeter Range Oually FLM, MCOCG The OCOG Range and Backscatter Oually FLgs have been set for one or roor records GS_OFFL_SIR_IOPAL_2.20220219T00465_20220219T00459_CO01 COCG Allmeter Range Oually FLM, MCOCG The OCOG Range and Backscatter Oually FLgs have been set for one or roor records GS_OFFL_SIR_IOPAL_2.20220219T00146_20220219T00145_CO01 COCGA Allmeter Range, SSHA, SWH and Backscatter Oually FLgs have been set for one or roor records The OcoGO Allmeter Range, SSHA, SWH and Backscatter Oually FLgs have been set for one or roor records GS_OFFL_SIR_IOPAL_2.20220210T01440_20220219T00145_CO01 Cocan Allmeter Range, SSHA, SWH and Backscatter Oually FLgs have been pLFM GS_OFFL_SIR_IOPAL_2.20220210T01400_00220219T014751_CO01 Cocan Allmeter Range, SSHA, SWH and Backscatter Oually FLgs have been pLFM GS_OFFL_SIR_IOPAL_2.20220219T01400_00220219T014751_CO01 Cocan Allmeter Range, SSHA, SWH and Backscatter Oually FLgs have been pLFM GS_OFFL_SIR_IOPAL_2.20220219T04000_20220219T044851_C001 Cocan Allmeter Range, SSHA, SWH and Backscatter Oually FLgs have been set for one or roor records GS_OFFL_SIR_IOPAL_2.20220219T040005_2022019T04	CS_OFFL_SIR_IOPN_2_20220219T230042_20220219T230309_C001	3	The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_JOPR_2_022211071234016_2022211071234046_C001 OCOG Backscatter Quality FLRM, COG Attimeter Range Quality FLRM, COG Backscatter Quality FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Attimeter Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Ratineer Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Ratineer Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Ratineer Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Ratineer Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Ratineer Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Ratineer Range, SSHA, SWH and Backscatter Quality FLRS, FLRM, COG Ratineer Range, SSHA, SWH and B	CS_OFFL_SIR_IOPN_2_20220219T231749_20220219T231856_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
05_0FFL_SIR_IOPR_2_20220219T000455_20220219T000689_C001 0000 G Backscatter Quality more records 05_0FFL_SIR_IOPR_2_20220219T000455_20220219T000689_C001 0000 G Backscatter Quality more records 05_0FFL_SIR_IOPR_2_20220219T001046_20220219T001145_C001 0000 G Backscatter Quality more records 05_0FFL_SIR_IOPR_2_20220219T001046_20220219T001145_C001 0000 G Backscatter Quality more records 05_0FFL_SIR_IOPR_2_20220219T010104_202202219T01145_C001 0000 G Backscatter Quality more records 05_0FFL_SIR_IOPR_2_20220219T010104_2022022019T01145_C001 0000 G Backscatter Quality more records 05_0FFL_SIR_IOPR_2_20220219T011040_2022022019T014751_C001 0000 Attimeter Range, SSHA, SWH and Backscatter Quality more records 05_0FFL_SIR_IOPR_2_20220219T01102020220219T011032825_C001 0000 Attimeter Range, SSHA, SWH and Backscatter Quality more records 05_0FFL_SIR_IOPR_2_20220219T0140905_20220219T014035_C001 0000 Attimeter Range, SSHA, SWH and Backscatter Quality more records 05_0FFL_SIR_IOPR_2_20220219T040905_20220219T044951_C001 0000 G Attimeter Range, SSHA, SWH and Backscatter Quality more records 05_0FFL_SIR_IOPR_2_20220219T044951_C001 0000 G Attimeter Range, SSHA, SWH and Backscatter Quality more records 05_0FFL_SIR_IOPR_2_20220219T044951_C001 0000 G Attimeter Range, SSHA, SWH and Backscatter Quality more records 05_0FFL_SIR_IOPR_2_20220219T044951_C001 0000 G Attimeter Range	CS_OFFL_SIR_IOPN_2_20220219T231953_20220219T232056_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20220219700465_20220219700839_C001 and Backscatter Quality FLRM, COOG Additional France and Backscatter Quality Flags and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been and the COOG Alimeter France and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_IOPR_2_20220219T044951_202019T044951_2001 COCG Alimeter France Grage Quality Flags have been set for one o more records CS_OFFL_SIR_IOPR_2_20220219T044951_2001 CCCG Alimeter France Grage Quality Flags have been set for one o more records CS_OFFL_SIR_IOPR_2_20220219T044951_2001 CCCG Alimeter France and Backscatter Quality Flags have been set for one o more rec	CS_OFFL_SIR_IOPN_2_20220219T234010_20220219T234548_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20220219T001046_20220219T001145_C001 and Backscatter Quality PLRM, GCCG Interfer Range and Backscatter Quality PLRM, GCCG CS_OFFL_SIR_IOPR_2_20220219T014020_20220219T014751_C001 Advance Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T014020_20220219T014751_C001 Advance Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T031824_20220219T031824_20220219T032825_C001 Advance Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T040905_20220219T041035_C001 Advance Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCCGA Rule Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T044811_20220219T044951_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T050156_20220219T05045_C001 Drean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T050156_20220219T051125_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatte	CS_OFFL_SIR_IOPR_2_20220219T000455_20220219T000839_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_20220219T014020_20220219T014751_C001 And Backscatter Quality Flags Mark Deck And Backscatter Quality Flags And Backscatter Quality Flags CS_OFFL_SIR_IOPR_2_20220219T031824_20220219T032825_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T040905_20220219T041035_C001 Cacan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T044811_20220219T044951_C001 Ocean Altimeter Range, Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T044811_20220219T044951_C001 OCGG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T050156_20220219T050945_C001 OCGG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality CS_OFFL_SIR_IOPR_2_20220219T050156_20220219T050152_C001 OCean Altimeter Range Quality PLRM, OCOG Altimeter Range Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPR_2_20220219T050152_C001 OCCGA Altimeter Range Quality PLRM, OCOG Altimeter Range Altitheter Range Altimeter Range Altimeter Range A	CS_OFFL_SIR_IOPR_2_20220219T001046_20220219T001145_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_20220219T031824_20220219T032825_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T040905_20220219T041035_C001 OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T044811_20220219T044951_C001 OCGG Altimeter Range Quality PLRM, OCGG Backscatter Quality PLRM, OCGG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCG	CS_OFFL_SIR_IOPR_2_20220219T014020_20220219T014751_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_20220219T040905_20220219T041035_C001 and Backscatter Quality PLRM, OCOG Allimeter Range and Backscatter Quality PLRM Ine Ocean Allimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20220219T044811_20220219T044951_C001 OCOG Altimeter Range Quality PLRM, OCOG Allimeter Range and Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_IOPR_2_20220219T050156_20220219T050945_C001 Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_IOPR_2_20220219T050156_20220219T050145_C001 Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_IOPR_2_20220219T051101_20220219T051125_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_IOPR_2_20220219T060921_20220219T061529_C001 Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one o more records The OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Q	CS_OFFL_SIR_IOPR_2_20220219T031824_20220219T032825_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_2022021910644811_2022021910644951_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_202202191050156_202202191050945_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 have been set for one or more records CS_OFFL_SIR_IOPR_2_202202191051101_202202191051125_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_IOPR_2_202202191060921_202202191061529_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter 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 and Backscatter Quality Flags have been set for one o more records CS_OFFL_SIR_IOPR_2_202202191064123_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202202191064127_202202191065250_C001 Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter	CS_OFFL_SIR_IOPR_2_20220219T040905_20220219T041035_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_20220219T050156_20220219T050945_C001 and Backscatter Quality PLRM, OCOG Ine Ocean Altimeter Range, and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T051101_20220219T051125_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T063846_20220219T064123_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Attimeter Range, Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T064127_20220219T064123_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimete	CS_OFFL_SIR_IOPR_2_20220219T044811_20220219T044951_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_202202191051101_202202191051105_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_20220219T060921_20220219T061529_C001 OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T063846_20220219T064123_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T064127_20220219T064123_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T064127_20220219T065250_C001 Atimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T064127_20220219T065250_C001 Atimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T064127_20220219T065250_C001 Atimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T0652107_20220219T065250_C001 Atimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T0652107_20220219T0652107_C001 Atimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPR_2_20220219T050156_20220219T050945_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_202202191060921_202202191061329_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_20220219T063846_20220219T064123_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T064127_20220219T065250_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range 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_20220219T064127_20220219T065250_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20220219T082127_20220219T082132_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPR_2_20220219T051101_20220219T051125_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20220219T063846_20220219T064123_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH Attimeter Range, SSHA, SWH Atti	CS_OFFL_SIR_IOPR_2_20220219T060921_20220219T061529_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20220219T064127_20220219T065250_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been of the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been of the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality PLRM, OCOG Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality PLRM, OCOG and Backscatter Quality PLRM, OCOG	CS_OFFL_SIR_IOPR_2_20220219T063846_20220219T064123_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFEL_SIR_IOPR_2_20220219T082127_20220219T082913_C001 and Backscatter Quality PLRM, OCOG	CS_OFFL_SIR_IOPR_2_20220219T064127_20220219T065250_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Altimeter Range and Backscatter Quality Plags have been set for one or more records	CS_OFFL_SIR_IOPR_2_20220219T082127_20220219T082913_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_20220219T083014_20220219T083135_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OC	CS_OFFL_SIR_IOPR_2_20220219T083014_20220219T083135_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20220219T083142_20220219T083223_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPR_2_20220219T083142_20220219T083223_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_IOPR_2_20220219T091711_20220219T092008_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_20220219T100032_20220219T100602_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_20220219T101100_20220219T101107_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_20220219T101302_20220219T101314_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_20220219T112926_20220219T113030_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_20220219T113236_20220219T113353_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_20220219T113653_20220219T113725_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_20220219T113937_20220219T114631_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_20220219T120013_20220219T120829_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_20220219T132346_20220219T132520_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_20220219T145539_20220219T150329_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_20220219T150348_20220219T150622_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_20220219T155431_20220219T155600_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_20220219T163243_20220219T163254_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_20220219T180911_20220219T181938_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_20220219T182600_20220219T182838_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_20220219T195201_20220219T195837_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_20220219T195837_20220219T201340_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_20220219T204001_20220219T204320_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_20220219T205331_20220219T205436_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_20220219T212529_20220219T212829_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_20220219T213253_20220219T213728_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_20220219T213728_20220219T213839_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_20220219T220122_20220219T220309_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_20220219T221725_20220219T222200_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_20220219T231107_20220219T231327_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_20220219T231327_20220219T231748_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_20220219T232057_20220219T232535_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 the Level 2 products, wh	ich are summarised below.					
> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set for pro		ed.				
Number of products with errors: 190						
5.8 L2 Ocean Retracking Quality Check						
L2 Retracking Flags (20 Hz)						
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz measured	ment record. The bit value of this flag indic	ates 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. Th	ne number of products with this error flag set is given below.				
Number of products with errors: 56						
L2 Retracking Flags (20 Hz PLRM)						
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz PLRM me	easurement record. The bit value of this fla	ag indicates any problems when set.				
> Ocean Retracking Quality Flag (PLRM): This flag is currently set for products I	OPR and IOPN products over sea ice, but	this is to be expected.				
Number of products with errors: 137						
6. IOP 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 ensu	re it consists of both an XML header file (.I	HDR) and a NetCDF product file (.nc).				
Number of products with errors: 0						
6.2 P2P Product Header Analysis						
For all products, a series of pre-defined checks are performed on the MPH and SP	H in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain				
Number of products with errors: 0						
6.3 P2P Auxiliary Data File Usage Check						
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.						
Number of products with errors: 0	Number of products with errors: 0					
6.4 P2P Auxiliary Correction Error Check						
For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767). Currently, there are some common auxiliary correction errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.						
	>ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are					
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for pro-	ducts over sea ice, but this is to be expecte	ed.				
> Mean Sea Surface: The error value is currently set for products over land and set						
> Mean Sea Surface. The error value is currently set for products over land and sea ice, but this is to be expected. > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.						
> Altimetric Wind Speed Error: The error value is currently set for products over						
Number of products with errors: 30						
Product	Test Failed	Description				
CS_OFFL_SIR_IOP_220220218T231721_20220219T000657_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_20220219T000657_20220219T005635_C001	Mean Sea Surface (1), Mean 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_20220219T005635_20220219T014612_C001	Mean Sea Surface (1), Mean 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_20220219T014612_20220219T023550_C001	Mean Sea Surface (1), Mean 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_220220219T023550_20220219T032527_C001	Mean Sea Surface (1), Mean 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_20220219T032527_20220219T041505_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records				

CS_OFFL_SIR_IOP_2__20220219T041505_20220219T050442_C001

Mean Sea Surface (1), Mean Dynamic Topography (1) Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_IOP_2__20220219T050442_20220219T055420_C001 Topography (1)

Mean Sea Surface (1), Mean Dynamic Topography (1)

There is an error with the MSS height (solution 1) and the Mean Dynamic

There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) $% \left(\left(1+1\right) \right) \right) =0$

Ocean Tide

CS_OFFL_SIR_IOP_2_20220219T055420_20220219T064356_C001

CS_OFFL_SIR_IOP_220220219T064356_20220219T073334_C001	Mean Sea Surface (1), Mean 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_220220219T073334_20220219T082311_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_220220219T082311_20220219T091249_C001	Mean Sea Surface (1), Mean 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_220220219T091249_20220219T100225_C001	Mean Sea Surface (1), Mean 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_220220219T100225_20220219T105203_C001	Mean Sea Surface (1), Mean 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_220220219T105203_20220219T114140_C001	Mean Sea Surface (1), Mean 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_220220219T114140_20220219T123118_C001	Mean Sea Surface (1), Mean 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_220220219T123118_20220219T132055_C001	Mean Sea Surrace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	Inere 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_220220219T132055_20220219T141033_C001	Mean Sea Surface (1), Mean 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_220220219T141033_20220219T150010_C001	Mean Sea Surface (1), Mean 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_220220219T150010_20220219T154948_C001	Mean Sea Surface (1), Mean 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_220220219T154948_20220219T163924_C001	Mean Sea Surface (1), Mean 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_220220219T163924_20220219T172902_C001	Mean Sea Surface (1), Mean 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_220220219T172902_20220219T181839_C001	Mean Sea Surface (1), Mean 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_220220219T181839_20220219T190817_C001	Mean Sea Surface (1), Mean 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_220220219T190817_20220219T195754_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_220220219T195754_20220219T204732_C001	Mean Sea Surface (1), Mean 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_220220219T204732_20220219T213708_C001	Mean Sea Surface (1), Mean 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_220220219T213708_20220219T222646_C001	Mean Sea Surface (1), Mean 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_220220219T222646_20220219T231623_C001	Mean Sea Surface (1), Mean 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_220220219T231623_20220220T000601_C002	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records

6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement 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_IOP_220220219T105203_20220219T114140_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOP_220220219T150010_20220219T154948_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

P2P Quality Flags (20 Hz)

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

- ,				
Since the P2P Quality Flags are copie	d directly from the L2 Quality Fla	ags, please see Section 5.6 for the full list of products affected.		
Number of products with errors:	30			
P2P Quality Flags (20 Hz PLR)	M)			
	<i>'</i>	ags, please see Section 5.6 for the full list of products affected.		
Number of products with errors:	29			
P2P Quality Flags (1 Hz & 1 Hz	z PLRM)			
Since the P2P Quality Flags are copie	d directly from the L2 Quality Fla	ags, please see Section 5.6 for the full list of products affected.		
Newslaw of successful states with a success	20			
Number of products with errors:	30			
6.8 P2P Ocean Retracking Quality Check				
,				

P2P Retracking Flags (20 Hz)

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.

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

P2P Retracking Flags PLRM

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

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

27

30

Number of products with errors:

7. IOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_IOPM1B	187	187	4	183	0
SIR_IOPR1B	137	109	2	104	3
SIR_IOPN1B	109	137	0	137	0
SIR_IOPM_2	187	187	130	57	0
SIR_IOPR_2	137	106	47	59	0
SIR_IOPN_2	106	137	57	76	4
SIR_IOP_P2P	29	29	0	26	3

7.1 QCC Errors

Number of QC0	C reports with e	errors:	18								
					Total number	of occurrences	of each error				
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	ISSOPOBHRNO	-	-	-	-	-	-
SIR_IOPN1B	0	0	0	0	3						
SIR_IOPR_2	4	4	4	4	0						
				•						•	
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_IOP_2_	3	3	3	3							
Test Description Key:											
Abbreviation	bbreviation Test name Details										
	Pangal	atitudaOrBlankOB	7NotCDE	Latituda abould be	botwoon 00E7 on	10057					

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
RRTAISSOPOBHRNCD	RangeRecordTAIStartStopOPOrBlankHRNetC	The time value should be between the record TAI start/stop times of the SPH

7.2 QCC Warnings

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRM
SIR IOPM1B	183	0	0	0	0	0	0
SIR IOPM 2	0	0	36	37	0	46	0
SIR IOPN1B	106	0	0	0	0	0	0
SIR IOPN 2	0	0	6	27	4	17	25
SIR IOPR1B	134	0	0	0	0	0	0
SIR_IOPR_2	0	4	21	34	1	25	18
Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF		NCERPEPOPFDPLRMSINNC	DIRPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	36	0	30	0	0	0	0
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	10	1	0	0	14	0	29
SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	12	8	0	34	0	41	0
Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	23	0	0	7	27	0	5
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	0	0	21	11	43	47	26
SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	0	34	0	2	53	35	15
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-
SIR IOPM1B	0	0	0	0	0	0	
SIR IOPM 2	37	0	2	0	0	0	
SIR IOPN1B	0	0	0	0	44	2	
SIR IOPN 2	21	24	11	0	0	0	
SIR IOPR1B	0	0	0	0	137	14	
SIR IOPR 2	20	37	1	11	0	0	
	20	01			, v	0	
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNO	RBSZOPOEPNCDF
SIR_IOP_2_	15	28	29	5	29	20	27
	- 4		-	+		- !	
Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNC		RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCD
SIR_IOP_2_	7	16	26	21	15	28	17
Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCD	FRSWHOEPNCDF	SPHLPQWNCDF	-	-
SIR_IOP_2_	28	29	19	11	29		
							· · · · · · · · · · · · · · · · · · ·
st Description Key							
st Description Key obreviation	/: Test name			Details			

Abbieviation	rest 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
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:

0