

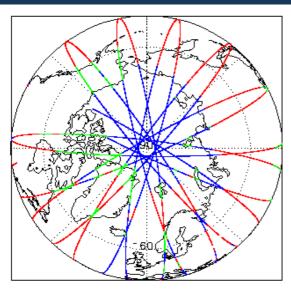
1. Overview

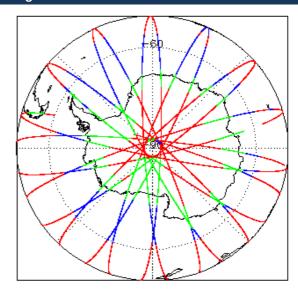
Report Production:	01-Nov-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	

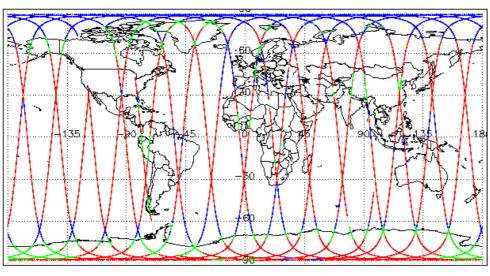
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary 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, 7.2	See Section 7.1, 7.2

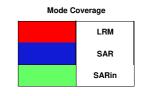
Miss	ion / Instru	ment News
28-	-Oct-2022	None
29-	-Oct-2022	None
30-	-Oct-2022	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

Number of products with errors:

,

4.3 L1B Auxilary 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

4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

0

4.5 L1B Measurement Confidence Data Check

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

> Attitude Correction Missing: This flag is currently set in error for IOPR products due to a configuration issue. The attitude correction is actually not missing. This will be resolved in the next SW update.

Number of products with errors:

 Product
 Test Failed
 Description

 CS_OFFL_SIR_IOPM1B_20221029T172518_20221029T172613_C001
 Power scaling error
 There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

18

Product	Test Failed	Description
		Description
CS_OFFL_SIR_IOPM1B_20221029T025924_20221029T032346_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221029T233626_20221029T234507_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221029T001540_20221029T001913_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221029T061319_20221029T061417_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221029T092545_20221029T092659_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221029T105603_20221029T105626_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221029T110524_20221029T110730_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221029T141319_20221029T141351_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221029T151257_20221029T151428_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221029T191116_20221029T191400_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221029T222646_20221029T222759_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221029T223001_20221029T223217_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221029T050032_20221029T050559_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221029T074141_20221029T074502_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221029T123420_20221029T124009_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221029T163803_20221029T164242_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221029T183145_20221029T183547_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221029T190143_20221029T190612_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.
- > Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221029T110730_20221029T112138_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222646_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_20221029T001540_20221029T001913_C001	Mean Sea Surface (1), Mean 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_20221029T005709_20221029T010101_C001	Mean Sea Surface (1), Mean 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_20221029T015651_20221029T015833_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221029T050559_20221029T050722_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221029T051250_20221029T051602_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221029T064531_20221029T064646_C001	Mean Sea Surface (1), Mean 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_20221029T065147_20221029T065506_C001	Mean Sea Surface (1), Mean 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_20221029T082623_20221029T082900_C001	Mean Sea Surface (1), Mean 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_20221029T083053_20221029T083719_C001	Mean Sea Surface (1), Mean 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_20221029T092140_20221029T092300_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_20221029T100403_20221029T100756_C001	Mean Sea Surface (1), Mean 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_20221029T110055_20221029T110201_C001	Mean Sea Surface (1), Mean 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_20221029T114355_20221029T114551_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221029T115410_20221029T115558_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221029T124009_20221029T124516_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_20221029T132328_20221029T132447_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221029T150456_20221029T150655_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_20221029T164242_20221029T164604_C001	Mean Sea Surface (1), Mean 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_20221029T174131_20221029T174459_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221029T182141_20221029T182501_C001	Mean Sea Surface (1), Mean 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_20221029T200855_20221029T201025_C001	Mean Sea Surface (1), Mean 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_20221029T205159_20221029T205302_C001	Mean Sea Surface (1), Mean 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_20221029T214616_20221029T214821_C001	Mean Sea Surface (1), Mean 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_20221029T223001_20221029T223217_C001	Mean Sea Surface (1), Mean 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_20221029T233316_20221029T233626_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_IOPR_2_20221029T010101_20221029T010607_C001	Mean Sea Surface (1), Mean 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_20221029T023810_20221029T024637_C001	Mean Sea Surface (1), Mean 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_20221029T041713_20221029T042447_C001	Mean Sea Surface (1), Mean 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_20221029T043403_20221029T043549_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_IOPR_2_20221029T055457_20221029T060241_C001	Mean Sea Surface (1), Mean 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_20221029T060241_20221029T060406_C001	Mean Sea Surface (1), Mean 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_20221029T073456_20221029T074141_C001	Mean Sea Surface (1), Mean 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_20221029T074141_20221029T074502_C001	Mean Sea Surface (1), Mean 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_20221029T091430_20221029T092030_C001	Mean Sea Surface (1), Mean 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_20221029T092030_20221029T092140_C001	Mean Sea Surface (1), Mean 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_20221029T100312_20221029T100403_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_20221029T103220_20221029T103345_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221029T105428_20221029T105603_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221029T105626_20221029T105804_C001	Mean Sea Surface (1), Mean 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_20221029T105804_20221029T110055_C001	Mean Sea Surface (1), Mean 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_20221029T123421_20221029T124009_C001	Mean Sea Surface (1), Mean 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_20221029T141524_20221029T142030_C001	Mean Sea Surface (1), Mean 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_20221029T154327_20221029T154416_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221029T154921_20221029T155054_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221029T155341_20221029T160233_C001	Mean Sea Surface (1), Mean 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_20221029T173314_20221029T174131_C001	Mean Sea Surface (1), Mean 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_20221029T191400_20221029T192123_C001	Mean Sea Surface (1), Mean 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_20221029T205302_20221029T205849_C001	Mean Sea Surface (1), Mean 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_20221029T223217_20221029T223901_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221029T172518_20221029T172613_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.

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221028T235131_20221029T000517_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_20221029T000909_20221029T001348_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_20221029T002140_20221029T004709_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_20221029T004845_20221029T004900_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_20221029T012047_20221029T014116_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_20221029T014919_20221029T015302_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_20221029T020024_20221029T022717_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_20221029T025924_20221029T032346_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_20221029T032724_20221029T033217_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_20221029T034104_20221029T041358_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_20221029T042532_20221029T042823_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_20221029T044851_20221029T045620_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_20221029T045909_20221029T050032_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_20221029T050722_20221029T051248_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_20221029T052018_20221029T054132_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_20221029T054338_20221029T055457_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_20221029T060515_20221029T060809_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_20221029T062454_20221029T064103_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_20221029T064646_20221029T065147_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_20221029T065847_20221029T073332_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_20221029T074502_20221029T074613_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_20221029T075631_20221029T081925_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_20221029T082900_20221029T083053_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

Control Cont	CS_OFFL_SIR_IOPM_2_20221029T091249_20221029T091107_C001 CS_OFFL_SIR_IOPM_2_20221029T091249_20221029T091258_C001 CS_OFFL_SIR_IOPM_2_20221029T092300_20221029T092545_C001 CS_OFFL_SIR_IOPM_2_20221029T092659_20221029T094358_C001 CS_OFFL_SIR_IOPM_2_20221029T094612_20221029T100046_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Des DERS, SER IDPM 2 20221028710909 202210287109105 COID Allineter Reging Custly, ODDO Allineter Reging Custly, ODDO Allineter Reging Custly, ODDO Allineter Reging and Beckerolater Quality Regin have been set Des	CS_OFFL_SIR_IOPM_2_20221029T091249_20221029T091258_C001 CS_OFFL_SIR_IOPM_2_20221029T092300_20221029T092545_C001 CS_OFFL_SIR_IOPM_2_20221029T092659_20221029T094358_C001 CS_OFFL_SIR_IOPM_2_20221029T094612_20221029T100046_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
Secondary County	CS_OFFL_SIR_IOPM_2_20221029T092300_20221029T092545_C001 CS_OFFL_SIR_IOPM_2_20221029T092659_20221029T094358_C001 CS_OFFL_SIR_IOPM_2_20221029T094612_20221029T100046_C001	Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
So-scored Carloty Cocan Alimeter Range, SSIA, SWI and Backcaster Castly Flags have been set for one or or one or o	CS_OFFL_SIR_IOPM_2_20221029T092659_20221029T094358_C001 CS_OFFL_SIR_IOPM_2_20221029T094612_20221029T100046_C001	Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_OPM_2_20221029T100156_20021029T10046_C001 CS_OFFL_SIR_OPM_2_20221029T100166_C001 CS_OFFL_SIR_OPM_2_20221029	CS_OFFL_SIR_IOPM_2_20221029T094612_20221029T100046_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for OCOG Altimeter Range and Backscatter Quality Flags have been set
and Backscatter Caulity CoCo. Althreder Range and Backscatter Caulity Flags have been set for one or none records. CS_OFFL_SIR_IOPM_2_20221029T101054_20221029T101057 C001 CS_OFFL_SIR_IOPM_2_20221029T101054_20221029T102018 C001 CS_OFFL_SIR_IOPM_2_20221029T101072 20221029T102018 C001 CS_OFFL_SIR_IOPM_2_20221029T102042_20211029T102018 C001 CS_OFFL_SIR_IOPM_2_20221029T102042_2021029T102042_C001 CS_OFFL_SIR_IOPM_2_20221029T102042_2021029T102044_C001 CS_OFFL_SIR_IOPM_2_20221029T102042_2021029T102044_C001 CS_OFFL_SIR_IOPM_2_20221029T1102042_2021029T102044_C001 CS_OFFL_SIR_IOPM_2_20221029T1102047_C001 CS_OFFL_SIR_IOPM_2_20221029T11020		and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set
So. OFFL_SIR_LOPM_2_20221029T10104_2021029T10104_COUNTY CS_OFFL_SIR_LOPM_2_20221029T10104_2021029T101040_COUNTY CS_OFFL_SIR_LOPM_2_20221029T1024_20221029T102916_COUNTY CS_OFFL_SIR_LOPM_2_20221029T1024_20221029T102916_COUNTY CS_OFFL_SIR_LOPM_2_20221029T1024_20221029T102916_COUNTY CS_OFFL_SIR_LOPM_2_20221029T1024_20221029T102916_COUNTY CS_OFFL_SIR_LOPM_2_20221029T1024_20221029T1024_COUNTY CS_OFFL_SIR_LOPM_2_20221029T1024_20221029T10344_COUNTY CS_OFFL_SIR_LOPM_2_20221029T1024_20221029T10344_COUNTY CS_OFFL_SIR_LOPM_2_20221029T11024_2001 CS_OFFL_SIR_LOPM_2_20221029T110240_COUNTY CS_OFFL_SIR_LOPM_2_20221029T112580_COUNTY CS_OFFL_SIR_LOPM_2_20221029T112580_COUNTY CS_OFFL_SIR_LOPM_2_20221029T112580_COUNTY CS_OFFL_SIR_LOPM_2_20221029T112580_COUNTY CS_OFFL_SIR_LOPM_2_20221029T112580_COUNTY CS_OFFL_SIR_LOPM_2_20221029T112580_COUNTY CS_OFFL_SIR_LOPM_2_20221029T112580_COUNTY CS_OFFL_SIR_LOPM_2_20221029T112580_COUN	CS_OFFL_SIR_IOPM_2_20221029T100756_20221029T101005_C001	Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221029T10732_20221029T102918_C001 All moter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T103408_20221029T104942_C001 All moter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T104308_20221029T104942_C001 CS_OFFL_SIR_IOPM_2_20221029T104308_20221029T104942_C001 CS_OFFL_SIR_IOPM_2_20221029T104942_C001 CS_OFFL_SIR_IOPM_2_20221029T104942_C001 CS_OFFL_SIR_IOPM_2_20221029T104942_C001 CS_OFFL_SIR_IOPM_2_20221029T104942_C001 CS_OFFL_SIR_IOPM_2_20221029T110201_20221029T106942_C001 CS_OFFL_SIR_IOPM_2_20221029T110201_20221029T110694_C001 CS_OFFL_SIR_IOPM_2_20221029T110730_20221029T110694_C001 CS_OFFL_SIR_IOPM_2_20221029T110730_20221029T111238_C001 CS_OFFL_SIR_IOPM_2_20221029T110730_20221029T112380_C001 CS_OFFL_SIR_IOPM_2_20221029T110730_2022		Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	
and Backscatter Quality, OCOG Allmeter Range and Backscatter Quality Flags have been after the common and process of the c	CS_OFFL_SIR_IOPM_2_20221029T101054_20221029T101507_C001	and Backscatter Quality, OCOG	
CS_OFFL_SIR_JOPM_2_20221029T10243_20221029T10342_C001 Almedre Range and Backscatter Quality Almedre Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221029T110201_20221029T110244_C001 CS_OFFL_SIR_JOPM_2_20221029T110201_20221029T110244_C001 CS_OFFL_SIR_JOPM_2_20221029T110201_20221029T110244_C001 CS_OFFL_SIR_JOPM_2_20221029T110201_20221029T110244_C001 CS_OFFL_SIR_JOPM_2_20221029T110201_20221029T110244_C001 CS_OFFL_SIR_JOPM_2_20221029T110201_20221029T110524_C001 CS_OFFL_SIR_JOPM_2_20221029T110447_20221029T110524_C001 CS_OFFL_SIR_JOPM_2_20221029T110201_20221029T110524_C001 CS_OFFL_SIR_JOPM_2_20221029T112284_20221029T112138_C001 CS_OFFL_SIR_JOPM_2_20221029T112284_20221029T112138_C001 CS_OFFL_SIR_JOPM_2_20221029T112284_20221029T114119_C001 CS_OFFL_SIR_JOPM_2_20221029T112824_20221029T114119_C001 CS_OFFL_SIR_JOPM_2_20221029T112824_20221029T11419_C001 CS_OFFL_SIR_JOPM_2_20221029T112824_20221029T112139_C001 CS_OFFL_SIR_JOPM_2_20221029T112824_20221029T112139_C001 CS_OFFL_SIR_JOPM_2_20221029T112539_20221029T121399_C001 CS_OFFL_SIR_JOPM_2_20221029T125510_20221029T125395_C001 CS_OFFL_SIR_JOPM_2_20221029T125538_20221029T125395_C001 CS_OFFL_SIR_JOPM_2_20221029T125538_20221029T125395_C001 CS_OFFL_SIR_JOPM_2_20221029T125538_20221029T125395_C001 CS_OFFL_SIR_JOPM_2_20221029T125538_20221029T125395_C001 CS_OFFL_SIR_JOPM_2_20221029T125538_20221029T125395_C001 CS_OFFL_SIR_JOPM_2_20221029T125538_20221029T132398_C001 CS_OFFL_SIR_JOPM_2_20221029T125538_20221029T132398_C001 CCOGA Allimeter Range and Backscatter Quality COGA Allemeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221029T125539_20221029T132398_C001 CCOGA Allimeter Range and Backscatter Quality Flags have been set for one or more records CC_OFFL_SIR_JOPM_2_20221029T125399_C001 CCCOGA Allimeter Range and Backscatter Quality Flags have been set for one or more records CCCOGA Allimeter Range and Backscatter Quality Flags have been set for one or more rec	CS_OFFL_SIR_IOPM_2_20221029T101732_20221029T102918_C001		and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG	CS_OFFL_SIR_IOPM_2_20221029T102943_20221029T103220_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221029T11047_20221029T110524_C001 CS_OFFL_SIR_IOPM_2_20221029T11047_20221029T110524_C001 CS_OFFL_SIR_IOPM_2_20221029T110730_20221029T112138_C001 CS_OFFL_SIR_IOPM_2_20221029T112138_C001 CS_OFFL_SIR_IOPM_2_20221029T112284_20221029T112138_C001 CS_OFFL_SIR_IOPM_2_20221029T112284_20221029T112138_C001 CS_OFFL_SIR_IOPM_2_20221029T112824_20221029T112139_C001 CS_OFFL_SIR_IOPM_2_20221029T112824_20221029T11419_C001 CS_OFFL_SIR_IOPM_2_20221029T114551_20221029T114409_C001 CS_OFFL_SIR_IOPM_2_20221029T112539_C001 CS_OFFL_SIR_IOPM_2_20221029T12539_C001 CS_OFFL_SIR_IOPM_2_20221029T12539_2001 CS_OFFL_SIR_IOPM_2_20221029T12539_C001 CS_OFFL_SIR_IOPM_2_20221029T12539_2001 CS_OFFL_SIR_IOPM_2_20221029T12539_C001 CS_OFFL_SIR_IOPM_2_20221029T125	CS_OFFL_SIR_IOPM_2_20221029T103436_20221029T104342_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags and the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags and the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at the COG Altimeter Range and Backscatter Quality Flags have been at for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records The OCG Altimeter Range and Backscatter Quality Flags have been at for one or more records The OCG Altimeter Range and Backscatter Quality Flags have been at for one or more records The OCG Altimeter Range and Backscatter Quality Flags have been at for one or more records The OCG Altimeter Range and Backscatter Quality Flags have been at for one or more records The OCG Altimeter Range and Backscatter Quality Flags have been at for one or more records The OCG Altimeter Range and Backscatter Quality Flags have been at for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records The Ocean Altimeter Range and Backscatter Qu	CS_OFFL_SIR_IOPM_2_20221029T110201_20221029T110244_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been at Memory Flags have bee	CS_OFFL_SIR_IOPM_2_20221029T110447_20221029T110524_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T114551_20221029T115409_C001 CS_OFFL_SIR_IOPM_2_20221029T115739_20221029T12309_C001 CS_OFFL_SIR_IOPM_2_20221029T115739_20221029T12309_C001 CS_OFFL_SIR_IOPM_2_20221029T125359_C001 CS_OFFL_SIR_IOPM_2_20221029T125510_20221029T125359_C001 CS_OFFL_SIR_IOPM_2_20221029T125510_20221029T125355_C001 CS_OFFL_SIR_IOPM_2_20221029T125310_20221029T125355_C001 CS_OFFL_SIR_IOPM_2_20221029T125338_20221029T132108_C001 CS_OFFL_SIR_IOPM_2_20221029T125339_C001 CS_OFFL_SIR_IOPM_2_20221029T125339_C001 CS_OFFL_SIR_IOPM_2_20221029T125335_C001 CS_OFFL_SIR_IOPM_2_20221029T125335_C001 CS_OFFL_SIR_IOPM_2_20221029T125335_C001 CS_OFFL_SIR_IOPM_2_20221029T125338_20221029T132108_C001 CS_OFFL_SIR_IOPM_2_20221029T125339_C001 CS_OFFL_SIR_IOPM_2_20221029T125339_C001 CS_OFFL_SIR_IOPM_2_20221029T125339_C001 CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T133236_C001 CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T133236_C001 CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T13054_C001 CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T13054_C001 CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T13054_C001 CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T13054_C001 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CS_OFFL_SIR_IOPM_2_20221029T110730_20221029T112138_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221029T115739_20221029T121309_C001 CS_OFFL_SIR_IOPM_2_20221029T12516_20221029T125359_C001 CS_OFFL_SIR_IOPM_2_20221029T125510_20221029T125359_C001 CS_OFFL_SIR_IOPM_2_20221029T125510_20221029T125835_C001 CS_OFFL_SIR_IOPM_2_20221029T125510_20221029T125835_C001 CS_OFFL_SIR_IOPM_2_20221029T125838_20221029T132108_C001 CS_OFFL_SIR_IOPM_2_20221029T125838_20221029T132336_C001 CS_OFFL_SIR_IOPM_2_20221029T132731_20221029T133236_C001 CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T13054_C001 CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T140054_C001 CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T13208_C001 CS_OFFL_SIR_IOPM_2_20221029T132731_20221029T13208_C001 CS_OFFL_SIR_IOPM_2_20221029T132731_20221029T13208_C001 CS_OFFL_SIR_IOPM_2_20221029T132731_20221029T1323296_C001 CS_OFFL_SIR_IOPM_2_20221029T132731	CS_OFFL_SIR_IOPM_2_20221029T112824_20221029T114119_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range 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 have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T132731_20221029T133236_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records 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 Altimeter Range, and Backscatter Quality Flags and the OCOG Altimeter Range, and Backscatter Quality Flags and the OCOG Altimeter Range	CS_OFFL_SIR_IOPM_2_20221029T114551_20221029T115409_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records CS_OFFL_SIR_IOPM_2_20221029T132731_20221029T133236_C001 CS_OFFL_SIR_IOPM_2_20221029T132731_20221029T133236_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T140054_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range 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 Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG A	CS_OFFL_SIR_IOPM_2_20221029T115739_20221029T121309_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T125838_20221029T132108_C001 CS_OFFL_SIR_IOPM_2_20221029T132731_20221029T132326_C001 CS_OFFL_SIR_IOPM_2_20221029T132731_20221029T132326_C001 CS_OFFL_SIR_IOPM_2_20221029T132731_20221029T132326_C001 CS_OFFL_SIR_IOPM_2_20221029T132731_20221029T13054_C001 CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T140054_C001 CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T140054_	CS_OFFL_SIR_IOPM_2_20221029T124516_20221029T125359_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221029T132108_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH And Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20221029T125510_20221029T125835_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T140054_C001 Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T140054_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_20221029T125838_20221029T132108_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T140054_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20221029T132731_20221029T133236_C001		
Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flans	CS_OFFL_SIR_IOPM_2_20221029T133730_20221029T140054_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221029T143251_20221029T145914_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records	CS_OFFL_SIR_IOPM_2_20221029T143251_20221029T145914_C001		
CS_OFFL_SIR_IOPM_2_20221029T150655_20221029T151256_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_20221029T150655_20221029T151256_C001		
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Set for one or more records	CS_OFFL_SIR_IOPM_2_20221029T151619_20221029T154323_C001	Ocean Altimeter Range, SSHA_SWH	

Copyright of Delta 2 20201007114604 202010071146105 CDD	CS_OFFL_SIR_IOPM_2_20221029T155054_20221029T155341_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
Secretaria Caulty	CS_OFFL_SIR_IOPM_2_20221029T160559_20221029T163803_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Sec. OFFL. SRI JOPAL 2, 2022 (0931 17642 2, 2022 (0931 17642), 2022 (0931 17644),	CS_OFFL_SIR_IOPM_2_20221029T164604_20221029T165128_C001		
Security Company Description (1997) and present literature (1997)	CS_OFFL_SIR_IOPM_2_20221029T165637_20221029T165922_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Des. CHEL., SIR. JOHN 2, 2020 (10091179414, 2020) (10091179416, 2020) Des. Allersee Fragery and Educational Coulty October Allersee Fragery and Educational County Frage have been seed to come an amount of the come and amoun	CS_OFFL_SIR_IOPM_2_20221029T170212_20221029T170542_C001		
Se_OFFL_SRI_OPM_2_20221007119563_032210037118600_CODE Allenter Page and Education Country OSC ARRIVED Flags ArriveD Flags ArriveD Flags OSC ARRIVED Flags ArriveD Flags ArriveD Flags OSC ARRIVED Flags ArriveD Flags ArriveD Flags OSC ARRIVE	CS_OFFL_SIR_IOPM_2_20221029T172941_20221029T173314_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Seg. OFFL. SIRI, IOPM 2. 20210291142501 2021029114001 Co. Comment Plants and Backscratter Quality, OCOC Alternate Range Alternate Quality, OCOC Alternate Range Alternate Range, SSHA, SWH and Backscratter Quality, Plags have been set of the own of the records of the ococ Alternate Range Alternate Range, SSHA, SWH and Backscratter Quality, Plags and Backscratter Quality, OCOC Alternate Range and Backscratter Quality, OCOC Alternate Range and Backscratter Quality, Plags have been set of the own of the records. SQL OFFL, SIRI, IOPM 2. 20221029118213 202210291182107 (2001) SQL OFFL, SIRI, IOPM 2. 20221029118213 2022102911821057 (2001) SQL OFFL, SIRI, IOPM 2. 2022102911920197 (2001) (2002) (2	CS_OFFL_SIR_IOPM_2_20221029T174459_20221029T175408_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Substitution Subs	CS_OFFL_SIR_IOPM_2_20221029T175653_20221029T181813_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Badocaster Cuality CS. OFFL SIR IOPM 2 2022/0297183947 2022/0297184903 C001 CS. OFFL SIR IOPM 2 2022/0297184914 2022/029718995 C001 CS. OFFL SIR IOPM 2 2022/029718993 2022/029718995 C001 CS. OFFL SIR IOPM 2 2022/029718999 C001 CS. OFFL SIR IOPM 2 2022/029718999 C001 CS. OFFL SIR IOPM 2 2022/02971999 C001 CS. O	CS_OFFL_SIR_IOPM_2_20221029T182501_20221029T182609_C001	0 3,	
and flack-scaler Quality, OCOG Altimeter Range and flack-scaler Quality Flags have been and flack-scaler Quality Flags	CS_OFFL_SIR_IOPM_2_20221029T182613_20221029T183021_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221029T189523_20221029T189951_C001 CS_OFFL_SIR_JOPM_2_20221029T19333_20221029T189951_C001 CS_OFFL_SIR_JOPM_2_20221029T20013_20221029T196954_C001 CS_OFFL_SIR_JOPM_2_20221029T200013_20221029T209697_C001 CS_OFFL_SIR_JOPM_2_20221029T200013_20221029T200967_C001 CS_OFFL_SIR_JOPM_2_20221029T200013_20221029T200967_C001 CS_OFFL_SIR_JOPM_2_20221029T2000582_20221029T200965_C001 CS_OFFL_SIR_JOPM_2_20221029T200582_20221029T200965_C001 CS_OFFL_SIR_JOPM_2_20221029T200582_20221029T200965_C001 CS_OFFL_SIR_JOPM_2_20221029T200582_20221029T200965_C001 CS_OFFL_SIR_JOPM_2_20221029T204940_20221029T204960_C001 CS_OFFL_SIR_JOPM_2_20221029T204940_20221029T204960_C001 CS_OFFL_SIR_JOPM_2_20221029T204940_20221029T204960_C001 CS_OFFL_SIR_JOPM_2_20221029T21046_20221029T21449_C001 CS_OFFL_SIR_JOPM_2_20221029T21046_20221029T21449_C001 CS_OFFL_SIR_JOPM_2_20221029T211400_20221029T21449_C001 CS_OFFL_SIR_JOPM_2_20221029T211400_20221029T21449_C001 CS_OFFL_SIR_JOPM_2_20221029T21440_20221029T21449_C001 CS_OFFL_SIR_JOPM_2_20221029T21440_20221029T21449_C001 CS_OFFL_SIR_JOPM_2_20221029T21440_20221029T21449_C001 CS_OFFL_SIR_JOPM_2_20221029T214100_20221029T214696_C001 CS_OFFL_SIR_JOPM_2_20221029T214100_20221029T214696_C001 CS_OFFL_SIR_JOPM_2_20221029T214100_20221029T214696_C001 CS_OFFL_SIR_JOPM_2_20221029T214100_20221029T214696_C001 CS_OFFL_SIR_JOPM_2_20221029T214100_20221029T221668_C001 CS_OFFL_SIR_JOPM_2_20221029T214100_20221029T221668_C001 CS_OFFL_SIR_JOPM_2_20221029T21111_20221029T222666_C001 CS_OFFL_SIR_JOPM_2_20221029T221111_20221029T222666_C001 CCCCCAR_Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CCCCAR_Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCCAR_Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCCAR_Altimeter Range and Backscatter Quality Flags have bee	CS_OFFL_SIR_IOPM_2_20221029T183547_20221029T184603_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_JOPM_2_20221029T192313_20221029T195654_C001 CS_OFFL_SIR_JOPM_2_20221029T200013_20221029T200507_C001 Backscatter Quality, COG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221029T200528_20221029T200507_C001 CS_OFFL_SIR_JOPM_2_20221029T200528_20221029T200557_C001 CS_OFFL_SIR_JOPM_2_20221029T200528_20221029T200557_C001 CS_OFFL_SIR_JOPM_2_20221029T200528_20221029T200557_C001 CS_OFFL_SIR_JOPM_2_20221029T200528_20221029T200557_C001 CS_OFFL_SIR_JOPM_2_20221029T201608_20221029T204750_C001 CS_OFFL_SIR_JOPM_2_20221029T204040_20221029T205159_C001 CS_OFFL_SIR_JOPM_2_20221029T204040_20221029T205159_C001 CS_OFFL_SIR_JOPM_2_20221029T210246_20221029T21444_C001 CS_OFFL_SIR_JOPM_2_20221029T210246_20221029T21444_C001 CS_OFFL_SIR_JOPM_2_20221029T211430_20221029T218625_C001 CS_OFFL_SIR_JOPM_2_20221029T211444_20221029T214616_C001 CS_OFFL_SIR_JOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T2215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T2215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T2215410_20221029T220628_C001 CS_OFFL_SIR_JOPM_2_20221029T2215410_20221029T22668_C001 CS_OFFL_SIR_JOPM_2_20221029T2215410_20221029T22668_C001 CS_OFFL_SIR_JOPM_2_20221029T2215410_20221029T22668_C001 CS_OFFL_SIR_JOPM_2_20221029T2215410_20221029T22668_C001 CS_OFFL_SIR_JOPM_2_20221029T2215410_2029T22668_C001 CS_OFFL_SIR_JOPM_2_20221029T2215410_	CS_OFFL_SIR_IOPM_2_20221029T184714_20221029T185157_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T200528_20221029T200555_C001 CS_OFFL_SIR_IOPM_2_20221029T200528_20221029T200555_C001 CS_OFFL_SIR_IOPM_2_20221029T201608_20221029T200555_C001 CS_OFFL_SIR_IOPM_2_20221029T201608_20221029T200555_C001 CS_OFFL_SIR_IOPM_2_20221029T201608_20221029T2016055_C001 CS_OFFL_SIR_IOPM_2_20221029T201608_20221029T201659_C001 CS_OFFL_SIR_IOPM_2_20221029T204040_20221029T201519_C001 CS_OFFL_SIR_IOPM_2_20221029T210246_20221029T211449_C001 CS_OFFL_SIR_IOPM_2_20221029T210246_20221029T211449_C001 CS_OFFL_SIR_IOPM_2_20221029T210246_20221029T211449_C001 CS_OFFL_SIR_IOPM_2_20221029T210246_20221029T211449_C001 CS_OFFL_SIR_IOPM_2_20221029T210246_20221029T211449_C001 CS_OFFL_SIR_IOPM_2_20221029T211440_20021 CS_OFFL_SIR_IOPM_2_20221029T211440_20021 CS_OFFL_SIR_IOPM_2_20221029T211440_20021 CS_OFFL_SIR_IOPM_2_20221029T211440_20021 CS_OFFL_SIR_IOPM_2_20221029T211440_20021 CS_OFFL_SIR_IOPM_2_20221029T211440_20021 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T214616_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T214616_C001 CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T2214442_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T222431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T222431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T222431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T222431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T222431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T222431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T22431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T22431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T22431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T22431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T22431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T22431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T22431_20221029T222866_C001 CS_OFFL_SIR_IOPM_2_20221029T223	CS_OFFL_SIR_IOPM_2_20221029T185523_20221029T185951_C001		
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221029T200528_20221029T200655_C001 CS_OFFL_SIR_IOPM_2_20221029T201608_20221029T204750_C001 CS_OFFL_SIR_IOPM_2_20221029T201608_20221029T204750_C001 CS_OFFL_SIR_IOPM_2_20221029T204940_20221029T20519_C001 CS_OFFL_SIR_IOPM_2_20221029T204940_20221029T20519_C001 CS_OFFL_SIR_IOPM_2_20221029T204940_20221029T20519_C001 CS_OFFL_SIR_IOPM_2_20221029T204940_20221029T20519_C001 CS_OFFL_SIR_IOPM_2_20221029T21049_20221029T20519_C001 CS_OFFL_SIR_IOPM_2_20221029T21049_20221029T211449_C001 CS_OFFL_SIR_IOPM_2_20221029T21029T21029525_C001 CS_OFFL_SIR_IOPM_2_20221029T21029721029525_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T214616_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222646_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222688_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222688_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222688_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222688_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222688_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222688_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222688_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222688_C001	CS_OFFL_SIR_IOPM_2_20221029T192313_20221029T195654_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221029T201608_20221029T204750_C001 Backscatter Quality CS_OFFL_SIR_IOPM_2_20221029T201608_20221029T204750_C001 CS_OFFL_SIR_IOPM_2_20221029T204940_20221029T205159_C001 CS_OFFL_SIR_IOPM_2_20221029T204940_20221029T205159_C001 CS_OFFL_SIR_IOPM_2_20221029T204940_20221029T205159_C001 CS_OFFL_SIR_IOPM_2_20221029T210246_20221029T211449_C001 CS_OFFL_SIR_IOPM_2_20221029T210246_20221029T211449_C001 CS_OFFL_SIR_IOPM_2_20221029T211330_20221029T211449_C001 CS_OFFL_SIR_IOPM_2_20221029T211330_20221029T213625_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T214616_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T214616_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T214616_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T21111_20221029T222646_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222646_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T223759_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T223759_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T223759_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T223759_20221029T222686_C001 CS_OFFL_SIR_IOPM_2_20221029T223759_20221029T222686_C001 CS_OFFL_SI	CS_OFFL_SIR_IOPM_2_20221029T200013_20221029T200507_C001		
and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221029T204940_20221029T205159_C001 Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221029T204940_20221029T205159_C001 CS_OFFL_SIR_IOPM_2_20221029T210246_20221029T211449_C001 CS_OFFL_SIR_IOPM_2_20221029T210246_20221029T211449_C001 CS_OFFL_SIR_IOPM_2_20221029T210246_20221029T213625_C001 CS_OFFL_SIR_IOPM_2_20221029T211930_20221029T213625_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T213625_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T214616_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T214616_C001 CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T222646_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222646_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222646_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222628_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222688_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T2225951_C001 CCan Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T225646_C001 CCan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222688_C001 CCan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T229313_02221029T225951_C	CS_OFFL_SIR_IOPM_2_20221029T200528_20221029T200855_C001		, ,
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221029T210246_20221029T211449_C001 CS_OFFL_SIR_IOPM_2_20221029T211930_20221029T213625_C001 CS_OFFL_SIR_IOPM_2_20221029T211930_20221029T213625_C001 CS_OFFL_SIR_IOPM_2_20221029T211930_20221029T213625_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T214616_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T214616_C001 CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T21111_20221029T222646_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222646_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222688_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222688_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T22759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T230311_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T230311_2022	CS_OFFL_SIR_IOPM_2_20221029T201608_20221029T204750_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222828_0001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T222828_0001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_0001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_0001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_0001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_0001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_0001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_0001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_0001 CS_OFFL_	CS_OFFL_SIR_IOPM_2_20221029T204940_20221029T205159_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T214616_C001 CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T220628_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222646_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222646_C001 CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222646_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T231505_C001 Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T231505_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T2249313	CS_OFFL_SIR_IOPM_2_20221029T210246_20221029T211449_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Range and	CS_OFFL_SIR_IOPM_2_20221029T211930_20221029T213625_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records Cs_OFFL_SIR_IOPM_2_20221029T221111_20221029T222646_C001 Cs_OFFL_SIR_IOPM_2_20221029T221111_20221029T222646_C001 Cs_OFFL_SIR_IOPM_2_20221029T2221111_20221029T222828_C001 Cs_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 Cs_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 Cs_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 Cs_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 Cs_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 Cs_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 Cs_OFFL_SIR_IOPM_2_20221029T2209T230131_20221029T231505_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 Cs_OFFL_SIR_IOPM_2_20221029T2209T230131_20221029T231505_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_IOPM_2_20221029T230131_20221029T231505_C001 Cs_OFFL_SIR_IOPM_2_20221029T230131_20221029T231505_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Cs_OFFL_SIR_IOPM_2_20221029T230131_20221029T231505_C001 Cs_OFFL_SIR_IOPM_2_20221029T230131_2	CS_OFFL_SIR_IOPM_2_20221029T214442_20221029T214616_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T2229759_20221029T222828_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T2209T2209T2209T225951_C001 CS_OFFL_SIR_IOPM_2_20221029T230131_20221029T231505_C001 CS_OFFL_SIR_IOPM_2_20221029T230131_20221029T231505_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T230131_20221029T231505_C001 CS_OFFL_SIR_IOPM_2_20221029T230131_20221029T231505_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221029T230131_20221029T231505_C001	CS_OFFL_SIR_IOPM_2_20221029T215410_20221029T220628_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20221029T221111_20221029T222646_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags h	CS_OFFL_SIR_IOPM_2_20221029T222759_20221029T222828_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221029T230131_20221029T231505_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221029T224931_20221029T225951_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPM_2_20221029T230131_20221029T231505_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20221029T231817_20221029T232318_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_20221029T232343_20221029T232352_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_20221029T233153_20221029T233315_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_20221029T233626_20221029T234507_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_20221029T234853_20221029T235342_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_20221029T015651_20221029T015833_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_20221029T185157_20221029T185523_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_20221029T004709_20221029T004844_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_20221029T010101_20221029T010607_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_20221029T033736_20221029T034104_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_20221029T154323_20221029T154325_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_20221029T155341_20221029T160233_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_20221029T185951_20221029T190101_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_20221029T214821_20221029T215410_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_20221029T220819_20221029T220826_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_20221029T225951_20221029T230131_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.

Number of products with errors:

84

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20221029T005454_20221029T005617_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_20221029T005709_20221029T010101_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_20221029T011554_20221029T011730_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_20221029T014651_20221029T014919_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_20221029T015651_20221029T015833_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_20221029T032600_20221029T032724_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_20221029T033554_20221029T033736_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

CC OFFI CID IODN 0 00001000T0440F0 00001000T044F14 C001	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
CS_OFFL_SIR_IOPN_2_20221029T041358_20221029T041514_C001	OCOG Backscatter Quality	more records
CS_OFFL_SIR_IOPN_2_20221029T050559_20221029T050722_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_20221029T051250_20221029T051602_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_20221029T062205_20221029T062454_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_20221029T082623_20221029T082900_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_20221029T083053_20221029T083719_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_20221029T092140_20221029T092300_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_20221029T100135_20221029T100312_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_20221029T100403_20221029T100756_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_20221029T112312_20221029T112823_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_20221029T122055_20221029T122442_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_20221029T124009_20221029T124516_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_20221029T132647_20221029T132731_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_20221029T133236_20221029T133515_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_20221029T150252_20221029T150412_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_20221029T160233_20221029T160559_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_20221029T164242_20221029T164604_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_20221029T170543_20221029T170705_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_20221029T171152_20221029T171210_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_20221029T174131_20221029T174459_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_20221029T182141_20221029T182501_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_20221029T185157_20221029T185523_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_20221029T191116_20221029T191400_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_20221029T195810_20221029T200013_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_20221029T205159_20221029T205302_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_20221029T224824_20221029T224931_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

CC OFFI CID IODN 2 202210207221620 202210207221917 C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_20221029T231630_20221029T231817_C001	Altimeter Range and Backscatter Quality PLRM	set for one or more records
CS_OFFL_SIR_IOPN_2_20221029T234507_20221029T234853_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_20221029T001348_20221029T001352_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_20221029T004709_20221029T004844_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_20221029T010101_20221029T010607_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_20221029T010646_20221029T010827_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_20221029T014426_20221029T014651_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_20221029T023810_20221029T024637_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_20221029T032346_20221029T032600_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_20221029T033736_20221029T034104_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_20221029T041514_20221029T041543_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_20221029T041713_20221029T042447_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_20221029T043403_20221029T043549_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_20221029T043657_20221029T043938_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_20221029T050032_20221029T050559_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_20221029T051602_20221029T052018_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_20221029T055457_20221029T060241_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_20221029T060241_20221029T060406_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_20221029T061013_20221029T061201_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_20221029T064104_20221029T064531_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_20221029T065506_20221029T065847_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_20221029T073456_20221029T074141_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_20221029T074141_20221029T074502_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_20221029T091430_20221029T092030_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_20221029T100312_20221029T100403_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_20221029T105428_20221029T105603_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 20221029T115558 20221029T115739 C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
	Altimeter Range and Backscatter Quality PLRM	set for one or more records
CS_OFFL_SIR_IOPR_2_20221029T123309_20221029T123420_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_20221029T123421_20221029T124009_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_20221029T132109_20221029T132328_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_20221029T141524_20221029T142030_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_20221029T145915_20221029T150252_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_20221029T155341_20221029T160233_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_20221029T163803_20221029T164242_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_20221029T165247_20221029T165637_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_20221029T165922_20221029T170212_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_20221029T171950_20221029T172332_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_20221029T172614_20221029T172835_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_20221029T173314_20221029T174131_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_20221029T181813_20221029T182141_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_20221029T183145_20221029T183547_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_20221029T185951_20221029T190101_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_20221029T190143_20221029T190612_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_20221029T191400_20221029T192123_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_20221029T192125_20221029T192141_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_20221029T201025_20221029T201608_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_20221029T205302_20221029T205849_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_20221029T220749_20221029T220816_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_20221029T220831_20221029T221111_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_20221029T223217_20221029T223901_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_20221029T225951_20221029T230131_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (1 Hz & 1 Hz PLRM)

 $\label{lem:currently} \textbf{Currently, there are several common flags raised in the Level 2 products, which are summarised below.}$

65

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 measurement record. The bit value of this flag indicates any problems when set.

> Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors:

L2 Retracking Flags (20 Hz PLRM)

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

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

Number of products with errors: 139

6. IOP L2 Pole-to-Pole Data Quality Check

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

0

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

0

6.4 P2P Auxiliary Correction Error Check

For all products, the auxiliary 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 check.

- > 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 not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.
- > Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220221029T001405_20221029T010344_C001	Mean Sea Surface (1), Mean 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_20221029T010344_20221029T015320_C001	Mean Sea Surface (1), Mean 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_20221029T015320_20221029T024259_C001	Mean Sea Surface (1), Mean 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_20221029T024259_20221029T033235_C001	Mean Sea Surface (1), Mean 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_20221029T033235_20221029T042213_C001	Mean Sea Surface (1), Mean 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_20221029T042213_20221029T051149_C001	Mean Sea Surface (1), Mean 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_20221029T051149_20221029T060128_C001	Mean Sea Surface (1), Mean 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_20221029T060128_20221029T065104_C001	Mean Sea Surface (1), Mean 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_20221029T065104_20221029T074043_C001	Mean Sea Surface (1), Mean 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_20221029T074043_20221029T083019_C001	Mean Sea Surface (1), Mean 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_20221029T083019_20221029T091957_C001	Mean Sea Surface (1), Mean 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_20221029T091957_20221029T100933_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20221029T100933_20221029T105912_C001	Mean Sea Surface (1), Mean 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_20221029T105912_20221029T114848_C001	Mean Sea Surface (1), Mean 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_220221029T114848_20221029T123827_C001	Mean Sea Surface (1), Mean 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_220221029T123827_20221029T132803_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20221029T132803_20221029T141742_C001	Mean Sea Surface (1), Mean 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_20221029T141742_20221029T150718_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_220221029T150718_20221029T155656_C001	Mean Sea Surface (1), Mean 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_220221029T155656_20221029T164632_C001	Mean Sea Surface (1), Mean 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_220221029T164632_20221029T173611_C001	Mean Sea Surface (1), Mean 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_220221029T173611_20221029T182547_C001	Mean Sea Surface (1), Mean 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_220221029T182547_20221029T191526_C001	Mean Sea Surface (1), Mean 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_220221029T191526_20221029T200502_C001	Mean Sea Surface (1), Mean 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_220221029T200502_20221029T205440_C001	Mean Sea Surface (1), Mean 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_20221029T205440_20221029T214416_C001	Mean Sea Surface (1), Mean 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_220221029T214416_20221029T223355_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_220221029T223355_20221029T232331_C001	Mean Sea Surface (1), Mean 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_220221029T232331_20221030T001310_C002	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

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:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220221029T164632_20221029T173611_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

6.6 P2P Measurement Quality Flag Check

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 copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected. The number of P2P products affected is given below.

Number of products with errors: 3

P2P Quality Flags (20 Hz PLRM)

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

Number of products with errors: 30

P2P Quality Flags (1 Hz & 1 Hz PLRM)

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the number of L2 products affected. The number of P2P products affected is given below.

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.

Number of products with errors:

P2P Retracking Flags PLRM

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

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