

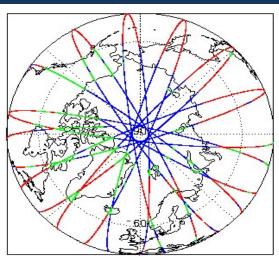
1. Overview

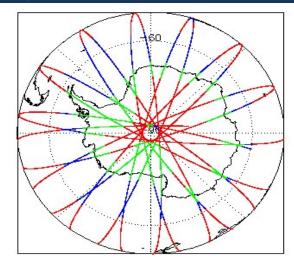
Report Production:	17-Nov-2022	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	

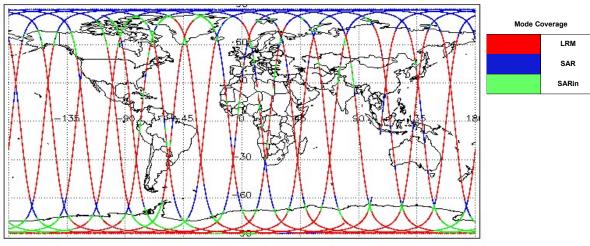
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1 and 7.2

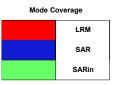
Missi	Mission / Instrument News		
09-N	Nov-2022	None	
10-N	Nov-2022	None	
11-N	Nov-2022	Nothing planned	

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

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:

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:

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 undate.

Number of products with errors:

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: 19

Test Failed	Description
	•
Loss of Ecno	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
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Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
Loss of Echo	The tracking echo is missing for one or more records
	Loss of Echo

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:

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_20221110T105531_20221110T105728_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_IOPM_2_20221110T231932_20221110T235259_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_20221110T235428_20221110T235514_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_20221110T000432_20221110T000743_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_20221110T004534_20221110T004923_C001	Mean Sea Surface (1), Mean 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_20221110T014521_20221110T014638_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_20221110T022032_20221110T022616_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_20221110T045432_20221110T045557_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_20221110T050118_20221110T050426_C001	Mean Sea Surface (1), Mean 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_20221110T063415_20221110T063641_C001	Mean Sea Surface (1), Mean 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_20221110T064019_20221110T064351_C001	Mean Sea Surface (1), Mean 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_20221110T081457_20221110T081732_C001	Mean Sea Surface (1), Mean 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_20221110T091006_20221110T091127_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_20221110T095028_20221110T095618_C001	Mean Sea Surface (1), Mean 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_20221110T104936_20221110T105147_C001	Mean Sea Surface (1), Mean 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_20221110T113223_20221110T113406_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_20221110T114246_20221110T114450_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_20221110T122850_20221110T123338_C001	Mean Sea Surface (1), Mean 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_20221110T145133_20221110T145528_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_20221110T150121_20221110T150248_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_20221110T171556_20221110T171723_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_20221110T180907_20221110T181319_C001	Mean Sea Surface (1), Mean 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_20221110T185831_20221110T190232_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_20221110T195643_20221110T195828_C001	Mean Sea Surface (1), Mean 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_20221110T204034_20221110T204129_C001	Mean Sea Surface (1), Mean 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_20221110T213439_20221110T213657_C001	Mean Sea Surface (1), Mean 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_20221110T221439_20221110T221737_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20221110T221831_20221110T222044_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_20221110T230453_20221110T230648_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_20221110T231336_20221110T231816_C001	Mean Sea Surface (1), Mean 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_20221110T235514_20221110T235909_C001	Mean Sea Surface (1), Mean 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_20221110T004923_20221110T005804_C001	Mean Sea Surface (1), Mean 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_20221110T022616_20221110T023356_C001	Mean Sea Surface (1), Mean 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_20221110T040550_20221110T041212_C001	Mean Sea Surface (1), Mean 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_20221110T041212_20221110T041449_C001	Mean Sea Surface (1), Mean 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_20221110T054410_20221110T055112_C001	Mean Sea Surface (1), Mean 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_20221110T055112_20221110T055248_C001	Mean Sea Surface (1), Mean 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_20221110T072520_20221110T073010_C001	Mean Sea Surface (1), Mean 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_20221110T073010_20221110T073134_C001	Mean Sea Surface (1), Mean 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_20221110T090319_20221110T090854_C001	Mean Sea Surface (1), Mean 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_20221110T090855_20221110T091006_C001	Mean Sea Surface (1), Mean 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_20221110T104534_20221110T104628_C001	Mean Sea Surface (1), Mean 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_20221110T104628_20221110T104936_C001	Mean Sea Surface (1), Mean 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_20221110T122157_20221110T122850_C001	Mean Sea Surface (1), Mean 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_20221110T140352_20221110T140917_C001	Mean Sea Surface (1), Mean 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_20221110T153206_20221110T153304_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_20221110T154301_20221110T155055_C001	Mean Sea Surface (1), Mean 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_20221110T172122_20221110T173041_C001	Mean Sea Surface (1), Mean 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_20221110T190232_20221110T190954_C001	Mean Sea Surface (1), Mean 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_20221110T204129_20221110T204710_C001	Mean Sea Surface (1), Mean 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_20221110T222044_20221110T222734_C001	Mean Sea Surface (1), Mean 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_20221110T235909_20221111T000427_C001	Mean Sea 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.

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221109T235806_20221110T000234_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_20221110T000938_20221110T003245_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_20221110T010046_20221110T010318_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_20221110T010853_20221110T013317_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_20221110T013629_20221110T014137_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_20221110T014920_20221110T021556_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_20221110T021722_20221110T022032_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_20221110T024413_20221110T024611_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_20221110T024613_20221110T031226_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_20221110T031615_20221110T032051_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_20221110T032952_20221110T040207_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_20221110T041449_20221110T041716_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_20221110T041938_20221110T042320_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_20221110T043513_20221110T044000_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_20221110T044558_20221110T045028_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_20221110T045557_20221110T050118_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_20221110T050810_20221110T052929_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_20221110T053215_20221110T054225_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_20221110T055328_20221110T055745_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_20221110T061335_20221110T061821_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_20221110T062008_20221110T063019_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_20221110T064726_20221110T065219_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_20221110T065229_20221110T072145_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

Court Prop 2 20221118T180505 20221107180510 COID Color Allerton Replace Black April of Delivery Color Allerton Replace Col	CS_OFFL_SIR_IOPM_2_20221110T073640_20221110T080757_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
Col. OFFL SR IOPM 2 28221191190982 2922119119038 OO1	CS_OFFL_SIR_IOPM_2_20221110T082655_20221110T083225_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
Dec. April Comp. 2.0021107106955_20221107002016_0010 Dec.	CS_OFFL_SIR_IOPM_2_20221110T084829_20221110T085510_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOM_2_70271107109309_20271107100209_C001 CS_OFFL_SIR_IOM_2_70271107109309_20271107100009_C001 CS_OFFL_SIR_IOM_2_70271107109309_20271107100009_C001 CS_OFFL_SIR_IOM_2_70271107109309_20271107100009_C001 CS_OFFL_SIR_IOM_2_70271107109309_20271107100009_C001 CS_OFFL_SIR_IOM_2_70271107109309_20271107100009_C001 CS_OFFL_SIR_IOM_2_70271107109309_20271107100009_C001 CS_OFFL_SIR_IOM_2_70271107109309_20271107100009_C001 CS_OFFL_SIR_IOM_2_70271107109309_202711071100009_C001 CS_OFFL_SIR_IOM_2_70271107109309_202711071100009_C001 CS_OFFL_SIR_IOM_2_702711071109309_202711071100009_C001 CS_OFFL_SIR_IOM_2_702711071109309_202711071100009_C001 CS_OFFL_SIR_IOM_2_702711071109309_202711071100009_C001 CS_OFFL_SIR_IOM_2_702711071109309_202711071100009_C001 CS_OFFL_SIR_IOM_2_702711071109309_202711071100009_C001 CS_OFFL_SIR_IOM_2_702711071109309_202711071100009_C001 CS_OFFL_SIR_IOM_2_702711071109309_202711071100009_C001 CS_OFFL_SIR_IOM_2_702711071109309_202711071100009_C001 CS_OFFL_SIR_IOM_2_702711071109309_202711071100009_C001 CS_OFFL_SIR_IOM_2_70271107110009_C001 CS_OFFL_SIR_IOM_2_702711071100009_C001 CS_OFFL_SIR_IOM_2_70271107110009_C001 CS_OFFL_SIR_IOM_2_70271107110009_C001 CS_OFFL_SIR_IOM_2_70271107110009_C001 CS_OFFL_SIR_IOM_2_70271107110009_C001 CS_OFFL_SIR_IOM_2_70271107110009_C001 CS_OFFL_SIR_IOM_2_70271107110009_C001 CS_OF	CS_OFFL_SIR_IOPM_2_20221110T091127_20221110T091538_C001		
CS OFFL SIR OPM 2 20221107162502 20221107162501 CDD Alminet Range of Schoolship County CS OFFL SIR OPM 2 20221107162500 20221107162503 CDD CS OFFL SIR OPM 2 20221107162503 CDD CS OFFL SIR OPM 2 20221107162503 CDD CS OFFL SIR OPM 2 2022110716250 2022110716250 CDD CS OFFL SIR OPM 2 2022110716250 20221107116250 CDD CS OFFL SIR OPM 2 2022110716250 20221107116250 CDD CS OFFL SIR OPM 2 20221107116250 20221107116250 CDD CS OFFL SIR OPM 2 202211071116250 202211071107176 CDD CDD CS OFFL SIR OPM 2 20221107111050 CDD CDD CDD CDD CDD CDD CDD CDD	CS_OFFL_SIR_IOPM_2_20221110T091655_20221110T092249_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
0.5. OFFL_SIR_IOPM_2_30221110T100385_2021110T100395_C001 OS_OFFL_SIR_IOPM_2_30221110T100395_2021110T100395_C001 OS_OFFL_SIR_IOPM_2_30221110T100395_2021110T100395_C001 OCCOS_Alterium Range, SSHA, SWH and Backscatter Quality Flags have been set learned from the common recommon rec	CS_OFFL_SIR_IOPM_2_20221110T092329_20221110T093231_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
So, OFFL_SIR_JOPPL_2_20221107109392_20221107109396_C001 CS_OFFL_SIR_JOPPL_2_20221107109393_20221107109396_C001 CS_OFFL_SIR_JOPPL_2_20221107109393_20221107109396_C001 CS_OFFL_SIR_JOPPL_2_20221107109393_20221107109396_C001 CS_OFFL_SIR_JOPPL_2_20221107109393_20221107109396_C001 CS_OFFL_SIR_JOPPL_2_20221107109393_20221107109396_C001 CS_OFFL_SIR_JOPPL_2_20221107109393_20221107109396_C001 CS_OFFL_SIR_JOPPL_2_20221107109393_20221107109396_C001 CS_OFFL_SIR_JOPPL_2_20221107109393_20221107109396_C001 CS_OFFL_SIR_JOPPL_2_20221107109390_C001 CS_OFFL_SIR_JOPPL_2_202211071109396_C001 CS_OFFL_SIR_JOPPL_2_202211071109396_C001 CS_OFFL_SIR_JOPPL_2_202211071109396_C001 CS_OFFL_SIR_JOPPL_2_20221107110939_C001 CS_OFFL_SIR_JOPPL_2_202211071110939_C001 CS_OFFL_SIR_JOPPL_2_202211071110939_C001 CS_OFFL_SIR_JOPPL_2_20221107110939_C001 CS_OFFL_SIR_JOPPL_2_202211071110939_C001 CS_OFFL_SIR_JOPPL_2_202211071110939_C001 CS_OFFL_SIR_JOPPL_2_202211071110939_C001 CS_OFFL_SIR_JOPPL_2_20221107113093_C001 CS_OFFL_SIR_JOPPL_2_20221107113093_C001 CS_OFFL_SIR_JOPPL_2_20221107113093_C001 CS_OFFL_SIR_JOPPL_2_20221107113093_C001 CS_OFFL_SIR_JOPPL_2_20221107113093_C001 CS_OFFL_SIR_JOPPL_2_20221107113093_C001 CS_OFFL_SIR_JOPPL_2_20221107113093_C001 CS_OFFL_SIR_JOPPL_2_20221107113093_C001 COOG_Allimeter Range and Backscatter Coality Flags have been self-standard	CS_OFFL_SIR_IOPM_2_20221110T093850_20221110T095022_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backcaster Quality. COCS APPL_SIR_JOPM 2_20221110T10332_20221110T102018_CO01 CS_OFFL_SIR_JOPM 2_20221110T10332_20221110T1038S8_CO01 CS_OFFL_SIR_JOPM 2_20221110T10332_20221110T1038S8_CO01 CS_OFFL_SIR_JOPM 2_20221110T10332_20221110T1038S8_CO01 CS_OFFL_SIR_JOPM 2_20221110T10332_20221110T1038S8_CO01 CS_OFFL_SIR_JOPM 2_20221110T10333_20221110T1038S8_CO01 CS_OFFL_SIR_JOPM 2_20221110T10333_20221110T1038S8_CO01 CS_OFFL_SIR_JOPM 2_20221110T10333_20221110T1038S8_CO01 CS_OFFL_SIR_JOPM 2_20221110T10333_20221110T1038S8_CO01 CS_OFFL_SIR_JOPM 2_20221110T10333_20221110T10359_CO01 CS_OFFL_SIR_JOPM 2_20221110T10333_20221110T10359_CO01 CS_OFFL_SIR_JOPM 2_20221110T10333_20221110T10359_CO01 CS_OFFL_SIR_JOPM 2_20221110T110359_CO01 CS_OFFL_SIR_JOPM 2_20221110T110359_CO01 CS_OFFL_SIR_JOPM 2_20221110T110359_CO01 CS_OFFL_SIR_JOPM 2_20221110T110359_CO01 CS_OFFL_SIR_JOPM 2_20221110T110359_CO01 CS_OFFL_SIR_JOPM 2_20221110T110359_CO01 CS_OFFL_SIR_JOPM 2_20221110T1103_20221110T11104_CO01 CS_OFFL_SIR_JOPM 2_20221110T11104_CO01 CS_OFFL_SIR_JOPM 2_20221110T11304_CO01 CS_OFFL_SIR_JOPM 2_20221110T1304_CO01 CS_OFFL_SIR_JOPM 2_20221110T1304_CO01 CS_OFFL_SIR_JOPM 2_20221110T1304_CO01 CS_OFFL_SIR_JOPM 2_20221110T1304_CO01 CS_OFFL_SIR_JOPM 2_20221110T1304_CO01 CS_OFFL_SIR_JOPM 2_20221110T1304_CO01 CCO_OFFL_SIR_JOPM 2_20221110T1304_CO01 CO00 Altereter Range ont Subscoater Country Range ont Sub	CS_OFFL_SIR_IOPM_2_20221110T095912_20221110T100335_C001		
and Backscatter Quality COCG Allmeter Range and Backscatter Quality Flags have been addressed to come from cross to one or more records and addressed to come from cross to one or more records and addressed to one or more records and the come from the com	CS_OFFL_SIR_IOPM_2_20221110T100554_20221110T101224_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscater Quality, COCG SpFL_SIR_JOPM_2_20221110T103708_20211 CS_OFFL_SIR_JOPM_2_20221110T103708_202110T103708_CO01 CS_OFFL_SIR_JOPM_2_20221110T103708_202110T1103708_CO01 CS_OFFL_SIR_JOPM_2_20221110T103708_202110T1103708_CO01 CS_OFFL_SIR_JOPM_2_20221110T10338_20221110T110399_CO01 CS_OFFL_SIR_JOPM_2_20221110T11038_20221110T11059_CO01 CS_OFFL_SIR_JOPM_2_20221110T11059_CO01 CS_OFFL_SIR_JOPM_2_20221110T11058_20201 CS_OFFL_SIR_JOPM_2_20221110T11058_20201 CS_OFFL_SIR_JOPM_2_20221110T11058_20201 CS_OFFL_SIR_JOPM_2_20221110T11058_20201 CS_OFFL_SIR_JOPM_2_20221110T11058_20201 CS_OFFL_SIR_JOPM_2_20221110T11058_20201 CS_OFFL_SIR_JOPM_2_20221110T111058_20201 CS_OFFL_SIR_JOPM_2_20221110T111058_20201 CS_OFFL_SIR_JOPM_2_20221110T111058_20201 CS_OFFL_SIR_JOPM_2_20221110T111058_20201 CS_OFFL_SIR_JOPM_2_20221110T111058_20201 CS_OFFL_SIR_JOPM_2_20221110T111058_20201 CS_OFFL_SIR_JOPM_2_20221110T111058_20201 CS_OFFL_SIR_JOPM_2_20221110T111058_20201 CS_OFFL_SIR_JOPM_2_20221110T111059_20221110T11059_20201 CS_OFFL_SIR_JOPM_2_20221110T113058_20201 CS_OFFL_SIR_JOPM_2_20221110T113058_20201 CS_OFFL_SIR_JOPM_2_20221110T113058_20201 CS_OFFL_SIR_JOPM_2_20221110T113059_20221110T113059_20201 CS_OFFL_SIR_JOPM_2_20221110T13059_20221110T13059_20201 CS_OFFL_SIR_JOPM_2_20221110T13059_20221110T13059_20201	CS_OFFL_SIR_IOPM_2_20221110T101332_20221110T102018_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality Go. OFFL_SIR_IOPM_2_20221110T105850_20221110T110202_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T110333_20221110T11059_C001 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 The 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 The 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 The 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 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T11406_20221110T114246_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T114547_20221110T114246_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T114547_20221110T10740_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T13611_2022110T13092_C001 Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T136202_2021110T13652_C001 Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T135202_2021110T13652_C001 Ocean Altimeter Range and Backscatter	CS_OFFL_SIR_IOPM_2_20221110T102322_20221110T103638_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality (COCS Altimeter Range and Backscatter Quality Flags have been Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Quality Flags have been Step Cocs Altimeter Range SSHA, SWH and Backscatter Qu	CS_OFFL_SIR_IOPM_2_20221110T103703_20221110T103708_C001		
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been after one or more records CS_OFFL_SIR_IOPM_2_20221110T110721_20221110T111014_C001 CS_OFFL_SIR_IOPM_2_20221110T111016_20221110T111210_C001 CS_OFFL_SIR_IOPM_2_20221110T111016_20221110T111210_C001 CS_OFFL_SIR_IOPM_2_20221110T111016_20221110T111210_C001 CS_OFFL_SIR_IOPM_2_20221110T111016_20221110T111210_C001 CS_OFFL_SIR_IOPM_2_20221110T111016_20221110T11120_C001 CS_OFFL_SIR_IOPM_2_20221110T111016_20221110T11120_C001 CS_OFFL_SIR_IOPM_2_20221110T111016_20221110T11120_C001 CS_OFFL_SIR_IOPM_2_20221110T111016_20221110T11120_C001 CS_OFFL_SIR_IOPM_2_20221110T11306_20221110T1120740_C001 CS_OFFL_SIR_IOPM_2_20221110T11306_20221110T1120740_C001 CS_OFFL_SIR_IOPM_2_20221110T11306_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T113091_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T13091_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T13091_20221110T13091_2001 CS_OFFL_SIR_IOPM_2_20221110T13091_20221110T13091_2001 CS_OFFL_SIR_IOPM_2_20221110T13091_2001 CS_OFFL_SIR_IOPM_2_20221110T13091_2001 CS_OFFL_SIR_IOPM_2_20221110T13091_2001 CS_OFFL_SIR_IOPM_2_20221110T13091_2001 CS_OFFL_SIR_IOPM_2_20221110T13091_2001 CS_OFFL_SIR_IOPM_2_20221110T13091_2001 CS_OFFL	CS_OFFL_SIR_IOPM_2_20221110T105850_20221110T110202_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
S_OFFL_SIR_IOPM_2_20221110T110T21_20221110T111014_C001 and Backscatter Quality COG Allmeter Range and Backscatter Quality Flags have been extended to one or more records CS_OFFL_SIR_IOPM_2_20221110T111016_20221110T11120_C001 CS_OFFL_SIR_IOPM_2_20221110T111501_20221110T1113035_C001 CS_OFFL_SIR_IOPM_2_20221110T111501_20221110T113035_C001 CS_OFFL_SIR_IOPM_2_20221110T113406_20221110T113035_C001 CS_OFFL_SIR_IOPM_2_20221110T113406_20221110T114246_C001 CS_OFFL_SIR_IOPM_2_20221110T113406_20221110T114246_C001 CS_OFFL_SIR_IOPM_2_20221110T113406_20221110T1130922_C001 CS_OFFL_SIR_IOPM_2_20221110T113406_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T135001_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T135001_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T135001_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T13559_20221110T139022_C001 CS_OFFL_SIR_IOPM_2_20221110T13559_20221110T139022_C001 CS_OFFL_SIR_IOPM_2_20221110T13559_20221110T135552_C001 CS_OFFL_SIR_IOPM_2_20221110T13559_20221110T135552_C001 CS_OFFL_SIR_IOPM_2_20221110T13559_20221110T135552_C001 CS_OFFL_SIR_IOPM_2_20221110T13559_20221110T135552_C001 CS_OFFL_SIR_IOPM_2_20221110T13559_20221110T135552_C001 CS_OFFL_SIR_IOPM_2_20221110T13559_20221110T135552_C001 CS_OFFL_SIR_IOPM_2_20221110T13559_20221110T135552_C001 CCCO Altimeter Range and Backscatter Quality COCG Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCO Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCO Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCO Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCO Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCO Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCO Altimeter Range and Backscatter Quality Flags have been set for one or more records CCCO Altimeter Range and Backscatter Quali	CS_OFFL_SIR_IOPM_2_20221110T110333_20221110T110559_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
SOFFL_SIR_JOPM_2_20221110T111016_20221110T111210_C001 Allimeter Range and Backscatter Quality, OCOG Allimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality less for one or more records CS_OFFL_SIR_JOPM_2_20221110T113016_20221110T113036_C001 CS_OFFL_SIR_JOPM_2_20221110T11306_20221110T114246_C001 CS_OFFL_SIR_JOPM_2_20221110T114547_20221110T114246_C001 CS_OFFL_SIR_JOPM_2_20221110T114547_20221110T1142740_C001 CS_OFFL_SIR_JOPM_2_20221110T114547_20221110T130922_C001 CS_OFFL_SIR_JOPM_2_20221110T13601_20221110T130922_C001 CS_OFFL_SIR_JOPM_2_20221110T13611_20221110T130922_C001 CS_OFFL_SIR_JOPM_2_20221110T13611_20221110T130922_C001 CS_OFFL_SIR_JOPM_2_20221110T13611_20221110T130922_C001 CS_OFFL_SIR_JOPM_2_20221110T13611_20221110T130922_C001 CS_OFFL_SIR_JOPM_2_20221110T13611_20221110T130922_C001 CS_OFFL_SIR_JOPM_2_20221110T13611_20221110T130922_C001 CS_OFFL_SIR_JOPM_2_20221110T13611_20221110T130922_C001 CS_OFFL_SIR_JOPM_2_20221110T13611_20221110T130922_C001 CS_OFFL_SIR_JOPM_2_20221110T136428_20221110T134922_C001 CS_OFFL_SIR_JOPM_2_20221110T136428_20221110T134922_C001 CS_OFFL_SIR_JOPM_2_20221110T136428_20221110T134922_C001 CS_OFFL_SIR_JOPM_2_20221110T136428_20221110T134922_C001 CS_OFFL_SIR_JOPM_2_20221110T136428_20221110T134922_C001 CS_OFFL_SIR_JOPM_2_20221110T136428_20221110T134922_C001 CS_OFFL_SIR_JOPM_2_20221110T136428_20221110T134922_C001 CS_OFFL_SIR_JOPM_2_20221110T136428_20221110T134922_C001 CS_OFFL_SIR_JOPM_2_20221110T136428_20221110T134922_C001 CS_OFFL_SIR_JOPM_2_20221110T14200_20221110T144719_C001 CS_OFFL_SIR_JOPM_2_20221110T14200_20221110T144719_C001 CS_OFFL_SIR_JOPM_2_20221110T142558_20221110T144719_C001 CS_OFFL_SIR_JOPM_2_20221110T145588_20221110T155513_C001 CCommand Altimeter Range Quality, COCG Backscatter Quality Flags have been set for one or more records CCOMMINITERY Range and Backscatter Quality Flags have been set for one or more records CCOMMINITERY Range Altimeter Range and Backscatter Quality Flags have been set for one or more re	CS_OFFL_SIR_IOPM_2_20221110T110721_20221110T111014_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
S_OFFL_SIR_IOPM_2_20221110T11301_20221110T113035_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T113406_20221110T114246_C001 CS_OFFL_SIR_IOPM_2_20221110T114547_20221110T120740_C001 CS_OFFL_SIR_IOPM_2_20221110T114547_20221110T120740_C001 CS_OFFL_SIR_IOPM_2_20221110T114547_20221110T120740_C001 CS_OFFL_SIR_IOPM_2_20221110T130022_C001 CS_OFFL_SIR_IOPM_2_20221110T130022_C001 CS_OFFL_SIR_IOPM_2_20221110T130022_C001 CS_OFFL_SIR_IOPM_2_20221110T130022_C001 CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T130022_C001 CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T130022_C001 CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T130022_C001 CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T130022_C001 CS_OFFL_SIR_IOPM_2_20221110T131652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T14200_20221110T144719_C001 CS_OFFL_SIR_IOPM_2_20221110T14200_20221110T14719_C001 CS_OFFL_SIR_IOPM_2_20221110T14200_20221110T14719_C001 CS_OFFL_SIR_IOPM_2_20221110T14200_20221110T14719_C001 CS_OFFL_SIR_IOPM_2_20221110T14200_20221110T14719_C001 CS_OFFL_SIR_IOPM_2_20221110T14200_20221110T14719_C001 CS_OFFL_SIR_IOPM_2_20221110T14200_20221110T14719_C001 CS_OFFL_SIR_IOPM_2_20221110T14200_20221110T14719_C001 CS_OFFL_SIR_IOPM_2_20221110T14200_20221110T14719_C001 CS_OFFL_SIR_IOPM_2_20221110T14528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T14528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T14528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T14528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T14528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T14528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T14528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T14528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T14528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T14528_20221110T1	CS_OFFL_SIR_IOPM_2_20221110T111016_20221110T111210_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221110T113406_20221110T120740_C001 CS_OFFL_SIR_IOPM_2_20221110T123601_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T13601_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T132043_C001 CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T132043_C001 CS_OFFL_SIR_IOPM_2_20221110T132529_20221110T134922_C001 CS_OFFL_SIR_IOPM_2_20221110T13562_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T14200_20221110T144719_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 COGA Altimeter Range Quality, OCOGA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 COGA Altimeter Range CS-HA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T145543_20221110T150121_C001 COGA Altimeter Range CD-MA CD-MA CD-MA	CS_OFFL_SIR_IOPM_2_20221110T111501_20221110T113035_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 set for one or more records CS_OFFL_SIR_IOPM_2_20221110T132601_20221110T130922_C001 CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T132043_C001 CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T132043_C001 CS_OFFL_SIR_IOPM_2_20221110T132529_20221110T132043_C001 CS_OFFL_SIR_IOPM_2_20221110T132529_20221110T134922_C001 CS_OFFL_SIR_IOPM_2_20221110T132529_20221110T134922_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T142200_20221110T144719_C001 CS_OFFL_SIR_IOPM_2_20221110T142200_20221110T144719_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range Albackscatter Quality Flags have been set for one or more records CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221110T113406_20221110T114246_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T132043_C001 CS_OFFL_SIR_IOPM_2_20221110T132529_20221110T132043_C001 CS_OFFL_SIR_IOPM_2_20221110T132529_20221110T134922_C001 CS_OFFL_SIR_IOPM_2_20221110T132529_20221110T134922_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T142200_20221110T144719_C001 CS_OFFL_SIR_IOPM_2_20221110T142200_20221110T144719_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T150443_20221110T150443_20221110T155513_C001 Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backs	CS_OFFL_SIR_IOPM_2_20221110T114547_20221110T120740_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221110T132529_20221110T134922_C001 CS_OFFL_SIR_IOPM_2_20221110T135259_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T142200_20221110T144719_C001 CS_OFFL_SIR_IOPM_2_20221110T142200_20221110T144719_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T150443_20221110T150131_C001 CS_OFFL_SIR_IOPM_2_20221110T15	CS_OFFL_SIR_IOPM_2_20221110T123601_20221110T130922_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221110T132529_20221110T134922_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality set for one or more records CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001 CS_OFFL_SIR_IOPM_2_20221110T142200_20221110T144719_C001 CS_OFFL_SIR_IOPM_2_20221110T142200_20221110T144719_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T150443_20221110T150131_C001 CS_OFFL_S	CS_OFFL_SIR_IOPM_2_20221110T131611_20221110T132043_C001		
Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_20221110T142200_20221110T144719_C001 CS_OFFL_SIR_IOPM_2_20221110T142200_20221110T144719_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 DCGA Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality CS_OFFL_SIR_IOPM_2_20221110T150443_20221110T150131_C001 DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records DCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20221110T132529_20221110T134922_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221110T142200_20221110T144719_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T150443_20221110T152513_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221110T150443_20221110T152513_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20221110T135428_20221110T135652_C001		
Backscatter Quality for one or more records Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221110T142200_20221110T144719_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221110T150443_20221110T152513_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221110T145528_20221110T150121_C001		
	CS_OFFL_SIR_IOPM_2_20221110T150443_20221110T152513_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20221110T165352_20221110T162721_C001 CS_OFFL_SIR_IOPM_2_20221110T163436_20221110T163953_C001 CS_OFFL_SIR_IOPM_2_20221110T163436_20221110T163953_C001 CS_OFFL_SIR_IOPM_2_20221110T164633_20221110T164851_C001 CS_OFFL_SIR_IOPM_2_20221110T164633_20221110T164851_C001 CS_OFFL_SIR_IOPM_2_20221110T165914_20221110T170215_C001	been set ity Flags ave been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221110T164633_20221110T164851_C001 Backscatter Quality CS_OFFL_SIR_IOPM_2_20221110T164633_20221110T164851_C001 CS_OFFL_SIR_IOPM_2_20221110T164633_20221110T164851_C001 CS_OFFL_SIR_IOPM_2_20221110T165914_20221110T1675914_20221110T1675914_20221110T1675914_20221110T167914_2022110T167914_20221110T167914_20221110T167914_2022110T167914_2022110T167914_2022110T167914_2022110T167914_2022110T167914_2022110T167914_2022110T167914_2022110T167914_2022110T167914_2022110T167914_2022110T167914_2022110T167914_2022110T167914_2022110T167914_2022110T167914_202	ity Flags ave been
CS_OFFL_SIR_IOPM_2_20221110T164633_20221110T164851_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have considered and Backscat	ave been
	heen set
	20011 001
CS_OFFL_SIR_IOPM_2_20221110T177723_20221110T172122_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records	
CS_OFFL_SIR_IOPM_2_20221110T173245_20221110T174240_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records	
CS_OFFL_SIR_IOPM_2_20221110T174525_20221110T180645_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records	
CS_OFFL_SIR_IOPM_2_20221110T181319_20221110T181438_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have for one or more records	been set
CS_OFFL_SIR_IOPM_2_20221110T181446_20221110T181853_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have for one or more records	been set
CS_OFFL_SIR_IOPM_2_20221110T182418_20221110T183400_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags in set for one or more records	
CS_OFFL_SIR_IOPM_2_20221110T183548_20221110T184258_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags has been dependent on the OCOG Altimeter Range and Backscatter Quality set for one or more records	
CS_OFFL_SIR_IOPM_2_20221110T184342_20221110T184822_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags in set for one or more records	
CS_OFFL_SIR_IOPM_2_20221110T191020_20221110T194534_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records	
CS_OFFL_SIR_IOPM_2_20221110T194821_20221110T195338_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have for one or more records	been set
CS_OFFL_SIR_IOPM_2_20221110T195357_20221110T195643_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have for one or more records	been set
CS_OFFL_SIR_IOPM_2_20221110T200439_20221110T203454_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records	
CS_OFFL_SIR_IOPM_2_20221110T203635_20221110T204034_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have for one or more records	been set
CS_OFFL_SIR_IOPM_2_20221110T205207_20221110T205318_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has set for one or more records	
CS_OFFL_SIR_IOPM_2_20221110T205526_20221110T210758_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags in set for one or more records	
CS_OFFL_SIR_IOPM_2_20221110T211003_20221110T212516_C001 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 and Backscatter Quality set for one or more records.	
CS_OFFL_SIR_IOPM_2_20221110T212734_20221110T213236_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have for one or more records	been set
CS_OFFL_SIR_IOPM_2_20221110T213315_20221110T213439_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have for one or more records	been set
CS_OFFL_SIR_IOPM_2_20221110T214159_20221110T215217_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags in set for one or more records	
CS_OFFL_SIR_IOPM_2_20221110T215836_20221110T221439_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags in set for one or more records	
CS_OFFL_SIR_IOPM_2_20221110T224541_20221110T224824_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags has been for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags has been for one or more records.	

CS_OFFL_SIR_IOPM_2_20221110T230648_20221110T231148_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_20221110T231155_20221110T231207_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_20221110T231932_20221110T235259_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_20221110T044330_20221110T044334_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221110T073314_20221110T073328_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_20221110T131159_20221110T131324_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221110T155055_20221110T155159_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221110T180907_20221110T181319_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221110T195643_20221110T195828_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_20221110T044356_20221110T044558_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_20221110T120740_20221110T120831_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_20221110T180645_20221110T180907_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_20221110T190232_20221110T190954_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_20221110T190958_20221110T191009_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_20221110T215819_20221110T215836_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_20221110T224122_20221110T224541_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: 102

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20221110T000432_20221110T000743_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221110T004331_20221110T004453_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_20221110T004534_20221110T004923_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_20221110T005915_20221110T010046_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_20221110T013513_20221110T013629_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_20221110T014521_20221110T014638_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_20221110T022032_20221110T022616_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221110T023356_20221110T023411_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_20221110T023522_20221110T023608_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_20221110T041744_20221110T041907_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_20221110T043456_20221110T043513_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_20221110T044330_20221110T044334_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_20221110T045432_20221110T045557_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_20221110T050118_20221110T050426_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_20221110T055745_20221110T055749_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_20221110T060247_20221110T060258_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_20221110T061006_20221110T061335_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_20221110T063415_20221110T063641_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_20221110T064019_20221110T064351_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_20221110T081457_20221110T081732_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_20221110T081925_20221110T082217_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_20221110T091006_20221110T091127_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_20221110T095028_20221110T095618_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_20221110T104430_20221110T104533_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_20221110T104936_20221110T105147_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_20221110T105728_20221110T105850_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_20221110T111210_20221110T111501_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_20221110T114246_20221110T114450_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_20221110T120927_20221110T121241_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_20221110T121333_20221110T121457_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_20221110T122850_20221110T123338_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_20221110T131511_20221110T131611_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_20221110T132043_20221110T132303_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_20221110T145133_20221110T145528_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_20221110T150121_20221110T150248_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_20221110T154235_20221110T154301_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_20221110T155055_20221110T155159_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_20221110T155237_20221110T155352_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_20221110T163953_20221110T164104_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_20221110T170215_20221110T170359_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_20221110T171556_20221110T171723_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_20221110T180907_20221110T181319_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_20221110T181853_20221110T182018_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_20221110T185644_20221110T185731_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_20221110T185831_20221110T190232_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_20221110T194646_20221110T194821_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_20221110T213439_20221110T213657_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_20221110T215217_20221110T215323_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_20221110T215550_20221110T215624_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_20221110T221439_20221110T221737_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_20221110T221831_20221110T222044_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_20221110T231336_20221110T231816_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_20221110T004923_20221110T005804_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_20221110T014638_20221110T014920_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_20221110T022616_20221110T023356_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_20221110T023702_20221110T023813_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_20221110T031226_20221110T031452_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_20221110T032543_20221110T032952_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_20221110T040550_20221110T041212_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_20221110T041212_20221110T041449_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_20221110T041907_20221110T041938_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_20221110T045028_20221110T045432_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_20221110T050426_20221110T050810_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_20221110T054225_20221110T054407_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_20221110T054410_20221110T055112_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_20221110T055112_20221110T055248_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_20221110T055749_20221110T060109_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_20221110T063019_20221110T063415_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_20221110T064352_20221110T064726_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_20221110T072520_20221110T073010_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_20221110T073157_20221110T073314_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_20221110T073328_20221110T073553_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_20221110T080757_20221110T081457_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_20221110T090319_20221110T090854_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_20221110T090855_20221110T091006_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_20221110T093231_20221110T093444_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_20221110T104628_20221110T104936_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_20221110T105147_20221110T105302_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_20221110T113035_20221110T113223_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_20221110T122157_20221110T122850_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_20221110T130922_20221110T131159_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_20221110T135944_20221110T140059_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_20221110T140352_20221110T140917_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_20221110T144719_20221110T145133_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_20221110T153306_20221110T153357_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_20221110T153841_20221110T153912_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_20221110T154129_20221110T154213_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_20221110T154301_20221110T155055_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_20221110T155223_20221110T155227_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_20221110T164104_20221110T164633_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_20221110T172122_20221110T173041_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_20221110T180645_20221110T180907_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_20221110T182019_20221110T182418_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_20221110T183400_20221110T183548_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_20221110T190232_20221110T190954_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_20221110T195828_20221110T200439_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_20221110T204129_20221110T204710_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_20221110T204725_20221110T204841_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_20221110T213657_20221110T214159_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_20221110T215624_20221110T215819_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_20221110T222044_20221110T222734_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_20221110T224122_20221110T224541_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)

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

> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected. The number of products with this error flag set is given below.

Number of products with errors:

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: 153

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.

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

0

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

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric 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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220221110T000241_20221110T005219_C001	Mean Sea Surface (1), Mean 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_220221110T005219_20221110T014156_C001	Mean Sea Surface (1), Mean 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_20221110T014156_20221110T023134_C001	Mean Sea Surface (1), Mean 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_20221110T023134_20221110T032110_C001	Mean Sea Surface (1), Mean 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_20221110T032110_20221110T041048_C001	Mean Sea Surface (1), Mean 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_20221110T041048_20221110T050025_C001	Mean Sea Surface (1), Mean 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_20221110T050025_20221110T055003_C001	Mean Sea Surface (1), Mean 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_220221110T055003_20221110T063940_C001	Mean Sea Surface (1), Mean 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_20221110T063940_20221110T072918_C001	Mean Sea Surface (1), Mean 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_20221110T072918_20221110T081854_C001	Mean Sea Surface (1), Mean 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_20221110T081854_20221110T090832_C001	Mean Sea Surface (1), Mean 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_220221110T090832_20221110T095809_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_20221110T095809_20221110T104747_C001	Mean Sea Surface (1), Mean 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_220221110T104747_20221110T113724_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20221110T113724_20221110T122702_C001	Mean Sea Surface (1), Mean 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_20221110T122702_20221110T131638_C001	Mean Sea Surface (1), Mean 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_20221110T131638_20221110T140616_C001	Mean Sea Surface (1), Mean 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_220221110T140616_20221110T145553_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20221110T145553_20221110T154531_C001	Mean Sea Surface (1), Mean 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_20221110T154531_20221110T163508_C001	Mean Sea Surface (1), Mean 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_20221110T163508_20221110T172446_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_20221110T172446_20221110T181422_C001	Mean Sea Surface (1), Mean 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_220221110T181422_20221110T190400_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_20221110T190400_20221110T195337_C001	Mean Sea Surface (1), Mean 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_20221110T195337_20221110T204315_C001	Mean Sea Surface (1), Mean 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_220221110T204315_20221110T213252_C001	Mean Sea Surface (1), Mean 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_20221110T213252_20221110T222230_C001		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_220221110T222230_20221110T231206_C001	Mean Sea Surface (1), Mean 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_220221110T231206_20221111T000144_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:

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: 30

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: 29

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: 29

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: 28

P2P Retracking Flags PLRM

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

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

Number of products with errors: 2

7. IOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_IOPM1B	189	189	5	184	0
SIR_IOPR1B	128	113	4	109	0
SIR_IOPN1B	113	128	0	128	0
SIR_IOPM_2	189	189	132	57	0
SIR_IOPR_2	128	113	46	67	0
SIR_IOPN_2	113	128	51	76	1
SIR_IOP_P2P	29	29	0	28	1

7.1 QCC Errors

Number of QCC reports with errors:

10

Total number of occurrences of each error

| Product Type | RLOBOPNCDF | RL | RL | RLOBOPNCDF | RL | RL | -

SIR_IOPR_2	1	1	1	1	1	1					
	L		L								
SIR_IOP_2_	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-

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

Product Type
SIR_IOPM1B
SIR_IOPM_2
SIR_IOPN1B
SIR_IOPN_2
SIR_IOPR1B
SIR_IOPR_2

Number of QCC reports with warnings

BCSHNCDF

Total number of occurrences of each warning							
MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD			
0	0	0	0	0			
40	40	2	41	0			
0	0	0	0	0			
12	30	6	28	31			
0	0	0	0	0			
34	40	0	29	25			

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCI	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	37	0	31	0	0	0	0
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	20	2	0	0	22	0	29
SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	15	7	0	41	0	48	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	30	0	0	6	28	0	3
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	0	0	25	17	49	54	28
SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	0	42	0	2	66	44	10

_								
	Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
	SIR_IOPM1B	0	0	0	2	0	0	0
	SIR_IOPM_2	32	0	2	2	0	0	0
	SIR_IOPN1B	0	0	0	0	0	49	1
	SIR_IOPN_2	24	28	14	0	0	0	0
	SIR_IOPR1B	0	0	0	0	0	128	5
	SIR IOPR 2	44	48	0	1	4	0	0

SIR_IOP_2_ 17 29 29 7 29 18 29	Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
	SIR IOP 2	17	29	29	7	29	18	29

Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_IOP_2_	5	17	29	22	19	29	18
							

Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-
SIR_IOP_2_	24	29	18	13	29		

SIR_IOP_2_	24 29 18		13	29					
Test Description Key:									
Abbreviation	Test name			Details					
BCSHNCDF	BurstCounterStep20HzNetC	DF		The burst counter should be	one higher with regard to the	previous burst counter			
IOHHMOOR	IndexOf1Hzin20HzMapping0	OutOfRange		The mapping of 20 Hz to 1	Hz measurements should be i	in the range 0 to (number of 1	Hz samples - 1)		
MVIOEPFDNCDF	MissingValueIntOceanExclu	dingPolarFD2NetCDF		The value should not be a 'r	missing value' for surface type	0 only for latitudes between -	70 and 70 degrees		
MVIOEPNCDF	MissingValueIntOceanExclu	dingPolarNetCDF		The value should not be a 'r	missing value' for surface type	0 only for latitudes between -	70 and 70 degrees		
MVIONCDF	MissingValueIntOceanNetCl	OF .		The value should not be a 'n	nissing value' for surface type	0 only			
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZe	oOPOceanExcludingPolarFE	2NetCDF	The backscatter sigma zero between -70 and 70 degree		7500 (or missing) for surface t	ype = ocean for latitudes		
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZe	oOPOceanExcludingPolarFE	2PLRMNetCDF	The backscatter sigma zero between -70 and 70 degree		7500 (or missing) for surface t	ype = ocean for latitudes		
RBSZOPOEPNCDF	RangebackscattersignazerooroceanExcludingrolanNetCDr			The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RNELPOTONCDF	RangeNELPOceanTideOce	anNetCDF		surface type = ocean		t should be between -40mm a			
RPEPOPFDLRMNCDF	RangePeakinessExcludingP	olarOPFD2LRMNetCDF		The Peakiness should be be 70 degrees	etween 0 and 6400 (or missing	g) for surface type = ocean for	latitudes between -70 and		
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingP	olarOPFD2PLRMSARNetCE	F	The Peakiness should be be 70 degrees	etween 0 and 15000 (or missir	ng) for surface type = ocean fo	or latitudes between -70 and		
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingP	olarOPFD2PLRMSINNetCDI	=	The Peakiness should be be 70 degrees	etween 0 and 90000 (or missir	ng) for surface type = ocean fo	or latitudes between -70 and		
RPEPOPFDSARNCDF	RangePeakinessExcludingP	olarOPFD2SARNetCDF		The Peakiness should be be 70 degrees	etween 0 and 15000 (or missir	ng) for surface type = ocean for	or latitudes between -70 and		
RPEPOPFDSINNCDF	RangePeakinessExcludingP	olarOPFD2SINNetCDF		The Peakiness should be be 70 degrees	etween 0 and 90000 (or missir	ng) for surface type = ocean for	or latitudes between -70 and		
RPEPOPLRMNCDF	RangePeakinessExcludingP	olarOPLRMNetCDF		The Peakiness should be be 70 degrees	etween 0 and 6400 (or missing	g) for surface type = ocean for	latitudes between -70 and		
RPEPOPSARNCDF	RangePeakinessExcludingP	olarOPSARNetCDF		The Peakiness should be be 70 degrees	etween 0 and 15000 (or missir	ng) for surface type = ocean for	or latitudes between -70 and		
RPEPOPSINNCDF	RangePeakinessExcludingP	olarOPSINNetCDF		The Peakiness should be be 70 degrees	etween 0 and 90000 (or missir	ng) for surface type = ocean for	or latitudes between -70 and		
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF		The sea state bias correction	rection should be between -500mm and 0mm (or missing) for surface type = ocean					
RSSHAOFDNCDF	RangeSeaSurfaceHeightAn	omalyOceanFD3NetCDF		The sea surface height anor	maly should be between -3000	0mm and 3000mm (or missing	g) for surface type = ocean		
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAn	omalyOceanFD3PLRMNetCI	DF .	The sea surface height anor	maly should be between -3000	0mm and 3000mm (or missing	g) for surface type = ocean		
RSSHAONCDF	RangeSeaSurfaceHeightAn	omalyOceanNetCDF		The sea surface height anor	maly should be between -3000	0mm and 3000mm (or missing	g) for surface type = ocean		
RSWHOEPFDNCDF		ntOceanExcludingPolarFD2N	etCDF	latitudes between -70 and 7	0 degrees	15000mm (or missing) for sur	•		
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeigl	ntOceanExcludingPolarFD2P	LRMNetCDF	The significant wave height latitudes between -70 and 7		15000mm (or missing) for sur	face type = ocean for		
RSWHOEPNCDF	RangeSignificantWaveHeigl	ntOceanExcludingPolarNetCI)F	The significant wave height latitudes between -70 and 7		15000mm (or missing) for sur	face type = ocean for		
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node	e_Stop_v2_NetCDF		Rel_Time_ASC_Node_Stop	p mismatch				
SOOHHIFHD	SameOrOneHigher1HzInde	xFor20HzData		The 1 Hz index of a 20 Hz s	sample should be the same or	1 higher than its previous san	nple		
SCSTODHRNCDF	SequenceCounterStepTOD	HRNetCDF		The sequence counter shou	ıld be modulo 4 higher with req	gard to the previous sequence	counter		
SCSTODNCDF	SequenceCounterStepTOD	NetCDF		The sequence counter shou	ld be one higher (modulo 163	84) with regard to the previous	s sequence counter		

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0