

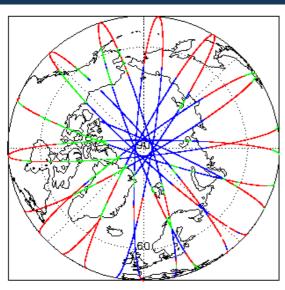
1. Overview

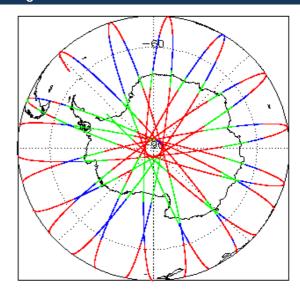
Report Production:	19-Oct-2022
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP)

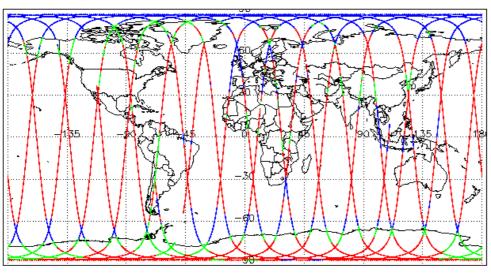
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1, 7.2

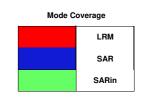
Mission / Instru	ument News
14-Oct-2022	None
15-Oct-2022	None
16-Oct-2022	Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

Number of products with errors:

0

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:

0

18

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:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20221015T005848_20221015T011034_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM1B_20221015T171647_20221015T172028_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20221015T190841_20221015T191348_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221015T062013_20221015T062117_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221015T111409_20221015T111521_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221015T125330_20221015T125555_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221015T152438_20221015T152726_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221015T161535_20221015T162018_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221015T173451_20221015T173605_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221015T210513_20221015T210626_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221015T224244_20221015T224541_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221015T233823_20221015T234432_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221015T051526_20221015T051921_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221015T062117_20221015T062455_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221015T151321_20221015T151548_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221015T160705_20221015T161534_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221015T174649_20221015T175437_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221015T192709_20221015T193446_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221015T224542_20221015T225244_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221015T231243_20221015T231415_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

0

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221015T005848_20221015T011034_C001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOPM_2_20221015T062649_20221015T062721_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_20221015T002019_20221015T002209_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_20221015T002855_20221015T003342_C001	Mean Sea Surface (1), Mean 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_20221015T011034_20221015T011430_C001	Mean Sea Surface (1), Mean 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_20221015T021008_20221015T021200_C001	Mean Sea Surface (1), Mean 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_20221015T065835_20221015T070001_C001	Mean Sea Surface (1), Mean 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_20221015T070510_20221015T070817_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_20221015T083918_20221015T084207_C001	Mean Sea Surface (1), Mean 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_20221015T084414_20221015T084939_C001	Mean Sea Surface (1), Mean 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_20221015T101850_20221015T102125_C001	Mean Sea Surface (1), Mean 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_20221015T111409_20221015T111521_C001	Mean Sea Surface (1), Mean 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_20221015T115058_20221015T115233_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_20221015T115604_20221015T115940_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_20221015T125330_20221015T125555_C001	Mean Sea Surface (1), Mean 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_20221015T125603_20221015T125810_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_20221015T133613_20221015T133803_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_20221015T134621_20221015T134842_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_20221015T143327_20221015T143754_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_20221015T161535_20221015T162018_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_20221015T175657_20221015T175849_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_20221015T183512_20221015T183830_C001	Mean Sea Surface (1), Mean 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_20221015T192602_20221015T192708_C001	Mean Sea Surface (1), Mean 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_20221015T202248_20221015T202356_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_20221015T210513_20221015T210626_C001	Mean Sea Surface (1), Mean 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_20221015T224244_20221015T224541_C001	Mean Sea Surface (1), Mean 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_20221015T233823_20221015T234432_C001	Mean Sea Surface (1), Mean 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_20221015T011430_20221015T011950_C001	Mean Sea Surface (1), Mean 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_20221015T025249_20221015T030243_C001	Mean Sea Surface (1), Mean 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_20221015T043126_20221015T043800_C001	Mean Sea Surface (1), Mean 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_20221015T044810_20221015T044915_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_20221015T060920_20221015T061603_C001	Mean Sea Surface (1), Mean 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_20221015T061603_20221015T061729_C001	Mean Sea Surface (1), Mean 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_20221015T074809_20221015T075503_C001	Mean Sea Surface (1), Mean 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_20221015T075503_20221015T075729_C001	Mean Sea Surface (1), Mean 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_20221015T075934_20221015T080948_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_20221015T092938_20221015T093357_C001	Mean Sea Surface (1), Mean 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_20221015T093358_20221015T093509_C001	Mean Sea Surface (1), Mean 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_20221015T110739_20221015T111139_C001	Mean Sea Surface (1), Mean 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_20221015T111139_20221015T1111409_C001	Mean Sea Surface (1), Mean 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_20221015T122555_20221015T122955_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_20221015T124716_20221015T125330_C001	Mean Sea Surface (1), Mean 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_20221015T142856_20221015T143326_C001	Mean Sea Surface (1), Mean 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_20221015T160705_20221015T161534_C001	Mean Sea Surface (1), Mean 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_20221015T174649_20221015T175437_C001	Mean Sea Surface (1), Mean 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_20221015T192709_20221015T193446_C001	Mean Sea Surface (1), Mean 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_20221015T210626_20221015T211344_C001	Mean Sea Surface (1), Mean 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_20221015T224542_20221015T225244_C001	Mean Sea Surface (1), Mean 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_20221015T231243_20221015T231415_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221015T005848_20221015T011034_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOPM_2_20221015T171647_20221015T172028_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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

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

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221015T000103_20221015T000345_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_20221015T000525_20221015T001843_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_20221015T002209_20221015T002708_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_20221015T003511_20221015T005733_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_20221015T005848_20221015T011034_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_20221015T013646_20221015T015722_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_20221015T020253_20221015T020626_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_20221015T021344_20221015T024130_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_20221015T030417_20221015T031123_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_20221015T031227_20221015T033704_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_20221015T034036_20221015T034541_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_20221015T034548_20221015T034915_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_20221015T035327_20221015T042645_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_20221015T043856_20221015T044127_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_20221015T051226_20221015T051526_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_20221015T052036_20221015T052614_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_20221015T053355_20221015T060613_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_20221015T060818_20221015T060850_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_20221015T061821_20221015T062013_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_20221015T062455_20221015T062616_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_20221015T063848_20221015T065431_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_20221015T070001_20221015T070510_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_20221015T071209_20221015T074724_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_20221015T075730_20221015T075933_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_20221015T080948_20221015T081416_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_20221015T081505_20221015T083239_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_20221015T085152_20221015T092525_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_20221015T093935_20221015T095830_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_20221015T100051_20221015T101305_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_20221015T103103_20221015T104545_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_20221015T104747_20221015T105711_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_20221015T111855_20221015T113430_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_20221015T115233_20221015T115354_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_20221015T115940_20221015T120728_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_20221015T121044_20221015T122451_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_20221015T130252_20221015T133424_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_20221015T133803_20221015T134016_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_20221015T134031_20221015T134621_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_20221015T135034_20221015T141435_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_20221015T144639_20221015T151321_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_20221015T152014_20221015T152437_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_20221015T152943_20221015T155425_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_20221015T155435_20221015T155534_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_20221015T160428_20221015T160705_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_20221015T162019_20221015T165107_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_20221015T165926_20221015T170503_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_20221015T170851_20221015T171247_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_20221015T174403_20221015T174618_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_20221015T175849_20221015T183124_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_20221015T184913_20221015T190528_C001 CS_OFFL_SIR_IOPM_2_20221015T192323_20221015T190528_C001 CS_OFFL_SIR_IOPM_2_20221015T192323_20221015T192438_C001 CS_OFFL_SIR_IOPM_2_20221015T192323_20221015T192438_C001 CS_OFFL_SIR_IOPM_2_20221015T193501_20221015T201021_C001 CS_OFFL_SIR_IOPM_2_20221015T201837_20221015T201021_C001 CS_OFFL_SIR_IOPM_2_20221015T201837_20221015T202248_C001 CS_OFFL_SIR_IOPM_2_20221015T202807_20221015T205333_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T201021_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T201023_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CCCCCA Altimeter Range, SSHA, SWH and Backscatter Quality CCCCCA Altimeter Range, CCCCCA CCCCCA Altimeter Range, CCCCCA CCCCCA Altimeter Range, CSHA, SWH CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	ave been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flag set for one or more records CS_OFFL_SIR_IOPM_2_20221015T193501_20221015T201021_C001 CS_OFFL_SIR_IOPM_2_20221015T193501_20221015T201021_C001 CS_OFFL_SIR_IOPM_2_20221015T201837_20221015T202248_C001 CS_OFFL_SIR_IOPM_2_20221015T202807_20221015T205333_C001 CS_OFFL_SIR_IOPM_2_20221015T202807_20221015T205333_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T20123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T20123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_3_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_3_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_3_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_3_20221015T210314_20231015T210513_C001 CS_OFFL_SIR_IOPM_3_20221015T210314_20231015T210513_C001 CS_OFFL_SIR_IOPM_3_20221015T210314_20231015T210513_C001 CS_OFFL_SIR_IOPM_3_20221015T210314_20231015T210513_C001 CS_OFFL_SIR_IOPM_3_20221015T210314_20231015T210513_C001 CS_OFFL_SIR_IOPM_3_20221015T210314_20231015T210513_C001 CS_OFFL_SIR_IOPM_3_20221015T210314_20231015T210513_C001 CS_OFFL_SIR_IOPM_3_20231015T210314_20231015T210513_C001 CS_OFFL_SIR_IOPM_3_20221015T210314_20231015T210513_C001 CS_OFFL_SIR_IOPM_3_20231015T210314_20231015T210513_C001 CS_OFF	ave been set Availity Flags ave been set Availity Flags shave been Availity Flags shave been Availity Flags shave been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_IOPM_2_20221015T201837_20221015T202248_C001 CS_OFFL_SIR_IOPM_2_20221015T202807_20221015T202248_C001 CS_OFFL_SIR_IOPM_2_20221015T202807_20221015T205333_C001 CS_OFFL_SIR_IOPM_2_20221015T202807_20221015T205333_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T205333_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T205333_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CCG_Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have a company of the company of	ave been set Quality Flags Is have been Quality Flags Is have been
Backscatter Quality CS_OFFL_SIR_IOPM_2_20221015T202807_20221015T205333_C001 CS_OFFL_SIR_IOPM_2_20221015T202807_20221015T205333_C001 CS_OFFL_SIR_IOPM_2_20221015T202807_20221015T205333_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210123_C001 CS_OFFL_SIR_IOPM_2_20221015T210314_20221015T210513_C001 CS_OFFL_SIR_IOPM_2_20221015T210314_20221015T210513_C001 CS_OFFL_SIR_IOPM_2_20221015T210314_20221015T210513_C001 CS_OFFL_SIR_IOPM_2_20221015T210314_20221015T210513_C001	Quality Flags is have been Quality Flags is have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flag CS_OFFL_SIR_IOPM_2_20221015T202807_20221015T205333_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flag set for one or more records OCOG Altimeter Range and Backscatter Quality Flag Set for one or more records The OCOG Altimeter Range and Backscatter Quality Flag Set for one or more records The OCOG Altimeter Range and Backscatter Quality Flag Set for one or more records The OCOG Altimeter Range and Backscatter Quality Flag Set for one or more records The OCOG Altimeter Range and Backscatter Quality Flag Set for one or more records The OCOG Altimeter Range and Backscatter Quality Flag Set for one or more records The OCOG Altimeter Range and Backscatter Quality Flag Set for one or more records The OCOG Altimeter Range and Backscatter Quality Flag Set for one or more records	as have been Quality Flags is have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records CS_OFFL_SIR_IOPM_2_20221015T205352_20221015T210513_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been considered as the ocognity of the ocognity of the ocognity of the ocognity of the ocognity ocognity of the ocognity	s have been
	ave been set
Backscatter Quality for one or more records	
CS_OFFL_SIR_IOPM_2_20221015T211544_20221015T212809_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flag set for one or more records	
CS_OFFL_SIR_IOPM_2_20221015T213250_20221015T213424_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flag set for one or more records	
CS_OFFL_SIR_IOPM_2_20221015T213426_20221015T214527_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flag set for one or more records	
CS_OFFL_SIR_IOPM_2_20221015T214636_20221015T214937_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flag set for one or more records	
CS_OFFL_SIR_IOPM_2_20221015T215212_20221015T215730_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records	ave been set
CS_OFFL_SIR_IOPM_2_20221015T215749_20221015T215953_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records	ave been set
CS_OFFL_SIR_IOPM_2_20221015T220836_20221015T222105_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flag set for one or more records	
CS_OFFL_SIR_IOPM_2_20221015T222321_20221015T224212_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flag set for one or more records	
CS_OFFL_SIR_IOPM_2_20221015T225259_20221015T225743_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records	ave been set
CS_OFFL_SIR_IOPM_2_20221015T225745_20221015T225851_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records	ave been set
CS_OFFL_SIR_IOPM_2_20221015T230242_20221015T231141_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flag set for one or more records	
CS_OFFL_SIR_IOPM_2_20221015T231415_20221015T231421_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records	ave been set
CS_OFFL_SIR_IOPM_2_20221015T231449_20221015T232827_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flag set for one or more records	
CS_OFFL_SIR_IOPM_2_20221015T233138_20221015T233643_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records	ave been set
CS_OFFL_SIR_IOPM_2_20221015T233707_20221015T233822_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records	ave been set
CS_OFFL_SIR_IOPM_2_20221015T234500_20221015T234627_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flag set for one or more records	
CS_OFFL_SIR_IOPN_2_20221015T021008_20221015T021200_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flag set for one or more records	
CS_OFFL_SIR_IOPN_2_20221015T113632_20221015T114234_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have for one or more records	ave been set

CS_OFFL_SIR_IOPN_2_20221015T134621_20221015T134842_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_20221015T143835_20221015T143957_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_20221015T215953_20221015T220140_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_20221015T033704_20221015T033903_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_20221015T075503_20221015T075729_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_20221015T165108_20221015T165547_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_20221015T191349_20221015T191424_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_20221015T201021_20221015T201226_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_20221015T225246_20221015T225259_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

Number of products with errors:

97

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20221015T002855_20221015T003342_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_20221015T011034_20221015T011430_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_20221015T020021_20221015T020252_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_20221015T030400_20221015T030416_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_20221015T031124_20221015T031226_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_20221015T034916_20221015T035048_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_20221015T060614_20221015T060718_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_20221015T060744_20221015T060818_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_20221015T062013_20221015T062117_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_20221015T063805_20221015T063847_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_20221015T065835_20221015T070001_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_20221015T070510_20221015T070817_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_20221015T083918_20221015T084207_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_20221015T084414_20221015T084939_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

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## DORS BIN OPN 2 202010511901 2	CS_OFFL_SIR_IOPN_2_20221015T092845_20221015T092938_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
Co. OFFL. SRI, OFFL 2, 28221015111902, 2022101511902, 20221015111902, 2022101511902, 202	CS_OFFL_SIR_IOPN_2_20221015T102826_20221015T103007_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFF_SRI_OFF_2_8221015T14605_9201015T14605_0001 CS_OFF_SRI_OFF_2_8221015T14605_0001 CS_OFF_SRI_OFF_2_8221015T14605_0001 CS_OFF_SRI_OFF_2_82221015T14605_0001 CS_O	CS_OFFL_SIR_IOPN_2_20221015T105711_20221015T110019_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
Column	CS_OFFL_SIR_IOPN_2_20221015T111644_20221015T111855_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_20221015119062_2022105119082_COID OCO_Allinear Range_Cushy P.E.M. OCO_Allinear	CS_OFFL_SIR_IOPN_2_20221015T113632_20221015T114234_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
Des. OFFL_SIRL_OPN_2_20221015T110018_20221015T110018_C0011 CS_OFFL_SIRL_OPN_2_20221015T110018_20221015T110018_C0011 CS_OFFL_SIRL_OPN_2_20221015T10018_20221015T110018_C0011 CS_OFFL_SIRL_OPN_2_20221015T10018_20221015T10018_C0011 CS_OFFL_SIRL_OPN_2_20221015T100018_20221015T10018_C0011 CS_OFFL_SIRL_OPN_2_20221015T10018_20221015T10018_C0011 CS_OFFL_SIRL_OPN_2_20221015T10018_20221015T10018_C0011 CS_OFFL_SIRL_OPN_2_20221015T10018_20221015T10018_C0011 CS_OFFL_SIRL_OPN_2_20221015T10018_20221015T10018_C0011 CS_OFFL_SIRL_OPN_2_20221015T10018_20221015T10018_C0011 CS_OFFL_SIRL_OPN_2_20221015T10018_20221015T10018_C0011 CS_OFFL_SIRL_OPN_2_202	CS_OFFL_SIR_IOPN_2_20221015T114306_20221015T114752_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OS. OFFL. SIRL IOPN 2. 20221015T13980 20221015T12985 CO01 OCO Allered Range Quality FLIM. COCO All	CS_OFFL_SIR_IOPN_2_20221015T115058_20221015T115233_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DOCOD Baskwootler Quality PLPM, DOCOD Baskwootler Quality	CS_OFFL_SIR_IOPN_2_20221015T115604_20221015T115940_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCCG Backacater Guality The Occas Altimeter Range and Backacater Quality Flags have been set for one of more records CS_OFFL_SIR_IOPN_2_20221015T125503_20221015T125505_C001 CS_OFFL_SIR_IOPN_2_20221015T125503_20221015T125505_C001 CS_OFFL_SIR_IOPN_2_20221015T125503_20221015T125505_C001 CS_OFFL_SIR_IOPN_2_20221015T125503_20221015T130502_C001 CS_OFFL_SIR_IOPN_2_20221015T130102_20221015T130502_C001 CS_OFFL_SIR_IOPN_2_20221015T130102_20221015T130502_C001 CS_OFFL_SIR_IOPN_2_20221015T130102_20221015T130502_C001 CS_OFFL_SIR_IOPN_2_20221015T130102_20221015T130502_C001 CS_OFFL_SIR_IOPN_2_20221015T130102_20221015T130502_C001 CS_OFFL_SIR_IOPN_2_20221015T130102_20221015T130502_C001 CS_OFFL_SIR_IOPN_2_20221015T130102_20221015T14001_C001 CS_OFFL_SIR_IOPN_2_20221015T14005_20221015T14001_C001 CS_OFFL_SIR_IOPN_2_20221015T14005_20221015T14001_C001 CS_OFFL_SIR_IOPN_2_20221015T14005_20221015T14001_C001 CS_OFFL_SIR_IOPN_2_20221015T14005_20221015T14001_C001 CS_OFFL_SIR_IOPN_2_20221015T14001_20221015T14001_C001 CS_OFFL_SIR_IOPN_2_20221015T140001_C001 CS_OFFL_SIR_IOPN_2_20221015T160001_C001 CS_OFFL_SIR_IOPN_2_20221015T160001_C001 CS_OFFL_SIR_IOPN_2_20221015T170001_C001 CS_OFFL_SIR_IOPN_2_20221015T1700001_C001 CS_OFFL_SIR_IOPN_2_20221015T1700001_C001 CS_OFFL_SIR_IOPN_2_20221015T1700001_C001 CS_OFFL_SIR_IOPN_2_20221015T1700001_C001 CS_OFFL_SIR_IOPN_2_20221015T1700001_C001 CS_OFFL_SIR_IOPN_2_20221015T1700001_C001 CS_OFFL_SIR_IOPN_2_20221015T1700001_C001 CS_OFFL_SIR_IOPN_2_20221015T1700001_C001 CS_OFFL_SIR_IOPN_2_20221015T1700001_C001 CS_OFFL_SIR_IOPN_2_20221015T170000	CS_OFFL_SIR_IOPN_2_20221015T120729_20221015T120915_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
and Backscater Quality PLBM, COOD Interest Page Backscater	CS_OFFL_SIR_IOPN_2_20221015T123407_20221015T123744_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCC Backscatter Quality Incomparison of the OCC Allered Range And Backscatter Quality Flags have been set for one of norse records OCC Backscatter Quality OCC Backscatter Qua	CS_OFFL_SIR_IOPN_2_20221015T125330_20221015T125555_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_20221015T13813_20221015T13803_CO01 CS_OFFL_SIR_IOPN_2_20221015T13813_20221015T13803_CO01 CS_OFFL_SIR_IOPN_2_20221015T13813_20221015T13803_CO01 CS_OFFL_SIR_IOPN_2_20221015T141435_20221015T141811_CO01 CS_OFFL_SIR_IOPN_2_20221015T141435_20221015T141811_CO01 CS_OFFL_SIR_IOPN_2_20221015T143327_20221015T143754_CO01 CS_OFFL_SIR_IOPN_2_20221015T143327_20221015T143754_CO01 CS_OFFL_SIR_IOPN_2_20221015T143327_20221015T143957_CO01 CS_OFFL_SIR_IOPN_2_20221015T143327_20221015T143545_CO01 CS_OFFL_SIR_IOPN_2_20221015T143335_20221015T143957_CO01 CS_OFFL_SIR_IOPN_2_20221015T143335_20221015T143957_CO01 CS_OFFL_SIR_IOPN_2_20221015T143335_20221015T143957_CO01 CS_OFFL_SIR_IOPN_2_20221015T143335_20221015T143957_CO01 CS_OFFL_SIR_IOPN_2_20221015T143335_20221015T143957_CO01 CS_OFFL_SIR_IOPN_2_20221015T143335_20221015T143957_CO01 CS_OFFL_SIR_IOPN_2_20221015T144319_20221015T144554_CO01 CS_OFFL_SIR_IOPN_2_20221015T144319_20221015T145545_CO01 CS_OFFL_SIR_IOPN_2_20221015T165548_20221015T162018_CO01 CS_OFFL_SIR_IOPN_2_20221015T165548_20221015T162018_CO01 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170619_CO01 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170619_CO01 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170619_CO01 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T170619_CO01 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_CO01 CCG_Allimeter Range Quality PLRM. COCG Backscatter Quality PLRM. COCG Range and Backscatter Quality Flags have been set for one oncore records CS_OFFL_SIR_IOPN_2_20221015T170604_20221015T170619_CO01 CCG_Allimeter Range Quality PLRM. COCG Range and Backscatter Quality Flags have been set for one oncore records CCG_Allimeter Range Quality PLRM. COCG Range and Backscatter Quality Flags have been set for one oncore records CCG_Allimeter Range Quality PLRM. COCG Range and Backscatter Quality Flags have been set for one oncore records CCG_Allimeter Range Quality PLRM. COCG Range and Backscatter Quality Flags have been set for one oncore records CCG_Allimeter Range Quality PLR	CS_OFFL_SIR_IOPN_2_20221015T125603_20221015T125810_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221015T133613_20221015T143811_C001 CS_OFFL_SIR_IOPN_2_20221015T141435_20221015T141811_C001 CS_OFFL_SIR_IOPN_2_20221015T141435_20221015T143754_C001 CS_OFFL_SIR_IOPN_2_20221015T143327_20221015T143754_C001 CS_OFFL_SIR_IOPN_2_20221015T143327_20221015T143754_C001 CS_OFFL_SIR_IOPN_2_20221015T143327_20221015T143957_C001 CS_OFFL_SIR_IOPN_2_20221015T143325_20221015T143957_C001 CS_OFFL_SIR_IOPN_2_20221015T143325_20221015T143957_C001 CS_OFFL_SIR_IOPN_2_20221015T143325_20221015T143554_C001 CS_OFFL_SIR_IOPN_2_20221015T165555_20221015T162018_C001 CS_OFFL_SIR_IOPN_2_20221015T165552_20221015T162018_C001 CS_OFFL_SIR_IOPN_2_20221015T165548_20221015T162018_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170518_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170518_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170504_20021015T170504_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170504_C001 CCGG Altimeter Range Cuality PLRM.	CS_OFFL_SIR_IOPN_2_20221015T130129_20221015T130252_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221015T14335_20221015T143754_C001 CS_OFFL_SIR_IOPN_2_20221015T143337_20221015T143754_C001 CS_OFFL_SIR_IOPN_2_20221015T143337_20221015T143957_C001 CS_OFFL_SIR_IOPN_2_20221015T143335_20221015T143957_C001 CS_OFFL_SIR_IOPN_2_20221015T143335_20221015T143957_C001 CS_OFFL_SIR_IOPN_2_20221015T143335_20221015T143957_C001 CS_OFFL_SIR_IOPN_2_20221015T14339_20221015T144554_C001 CS_OFFL_SIR_IOPN_2_20221015T161535_20221015T162018_C001 CS_OFFL_SIR_IOPN_2_20221015T161535_20221015T162018_C001 CS_OFFL_SIR_IOPN_2_20221015T16548_20221015T165925_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170518_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170505_C001 CS_OFFL_SIR_IOPN_2_20221015T170505_200105T170505_C001 CS_OFFL_SIR_IOPN_2_20221015T170505_200105T170505_C001 CS_OFFL_SIR_IOPN_2_20221015T170505_200105T170505_C001 CS_OFFL_SIR_IOPN_2_20221015T170505_200105T170505_C001 CS_OFFL_SIR_IOPN_2_20221015T170505_200105T170505_C001 CS_OFFL_SIR_IOPN_2_20221015T170505_200105T170505_C001 CS_OFFL_SIR_IOPN_2_20221015T170505_200105T170505_C001 CS_OFFL_SIR_IOPN_2_20221015T170505_200105T170505_C001 CS_OFFL_SIR_IOPN_2_200221015T170505_200105T170505_C001 CS_OFFL_SIR_IOPN_2_200221015T170505_200105T170505_200105T170505_200105T170505_200105T170505_200105T170505_200105T170505_200105T170505_200105T170505_200105T170505_200105T170505_200105T170505_200105T170505_200105T170505_200105T170505_200105T170	CS_OFFL_SIR_IOPN_2_20221015T133613_20221015T133803_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM and Backscatter Quality PLRM. CS_OFFL_SIR_IOPN_2_20221015T143835_20221015T143957_C001 CS_OFFL_SIR_IOPN_2_20221015T143835_20221015T143957_C001 CS_OFFL_SIR_IOPN_2_20221015T144319_20221015T144554_C001 CS_OFFL_SIR_IOPN_2_20221015T165548_20221015T162018_C001 CS_OFFL_SIR_IOPN_2_20221015T165548_20221015T165925_C001 CS_OFFL_SIR_IOPN_2_20221015T165548_20221015T165925_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T172426_C001 CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T173805_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173805_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T174403_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T174403_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_202210	CS_OFFL_SIR_IOPN_2_20221015T141435_20221015T141811_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221015T144319_20221015T162018_C001 CS_OFFL_SIR_IOPN_2_20221015T161535_20221015T162018_C001 CS_OFFL_SIR_IOPN_2_20221015T165548_20221015T165925_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T165925_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T17203_20221015T172426_C001 CS_OFFL_SIR_IOPN_2_20221015T17203_20221015T172405_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T174403_C001 CS_OFFL_SIR_IOPN_2_20221015T174088_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T17667_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T176657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T176657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T176657_20221015T175849_C00	CS_OFFL_SIR_IOPN_2_20221015T143327_20221015T143754_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_20221015T161535_20221015T162018_C001 CS_OFFL_SIR_IOPN_2_20221015T161535_20221015T162018_C001 CS_OFFL_SIR_IOPN_2_20221015T165548_20221015T165925_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T172426_C001 CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T172426_C001 CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T172426_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173408_20221015T173408_C001 CS_OFFL_SIR_IOPN_2_20221015T173408_20221015T1734408_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175649_C001 CS_OFFL_SIR_IOPN_2_20221015T176657_20221015T175649_C001 CS_OFFL_SIR_IOPN_2_20221015T176657_20221015T175649_C001 CS_OFFL_SIR_IOPN_2_20221015T176657_20221015T175649_C001 CS_OFFL_SIR_IOPN_2_20221015T176657	CS_OFFL_SIR_IOPN_2_20221015T143835_20221015T143957_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221015T165548_20221015T165925_C001 CS_OFFL_SIR_IOPN_2_20221015T165548_20221015T165925_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T172426_C001 CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T172426_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T174008_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_2022101	CS_OFFL_SIR_IOPN_2_20221015T144319_20221015T144554_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001 CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T172426_C001 CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T172426_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T174308_20221015T174403_C001 CS_OFFL_SIR_IOPN_2_20221015T174308_20221015T175657_20221015T175649_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175649_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175649_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG	CS_OFFL_SIR_IOPN_2_20221015T161535_20221015T162018_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T172426_C001 CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T172426_C001 CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T172426_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T174308_20221015T174403_C001 CS_OFFL_SIR_IOPN_2_20221015T174308_20221015T174403_C001 CS_OFFL_SIR_IOPN_2_20221015T174308_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one of more records CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one of more records CCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one of more records CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001	CS_OFFL_SIR_IOPN_2_20221015T165548_20221015T165925_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001 CS_OFFL_SIR_IOPN_2_20221015T174308_20221015T174403_C001 CS_OFFL_SIR_IOPN_2_20221015T174308_20221015T174403_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_	CS_OFFL_SIR_IOPN_2_20221015T170504_20221015T170618_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_20221015T173431_20221015T173609_C001 CS_OFFL_SIR_IOPN_2_20221015T174403_C001 CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001 CS_OFFL_SI	CS_OFFL_SIR_IOPN_2_20221015T172203_20221015T172426_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPN_2_202210151174308_202210151174403_C001 OCOG Backscatter Quality DLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one of more records OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one of more records OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one of more records OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one of Backscatter Quality Flags have been set for on	CS_OFFL_SIR_IOPN_2_20221015T173451_20221015T173605_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
OCOG Backscatter Quality OCOG Backscatter Quality OCOG Backscatter Quality OCOG Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter	CS_OFFL_SIR_IOPN_2_20221015T174308_20221015T174403_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality PLRM, OCOG	CS_OFFL_SIR_IOPN_2_20221015T175657_20221015T175849_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
Altimeter Range and Backscatter Quality PLRM set for one or more records	CS_OFFL_SIR_IOPN_2_20221015T183512_20221015T183830_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OPT_SR_JOPN_2_20221015100002 30221015100002 COOL Research Custy CS_OPT_SR_JOPN_2_20221015100002 30221015100002 COOL Research Custy CS_OPT_SR_JOPN_2_20221015100002 30221015100002 COOL Research Custy CS_OPT_SR_JOPN_2_20221015100002 302210151000002 COOL Research Custy CS_OPT_SR_JOPN_2_20221015100000 302210151000000 COOL Research Custy CS_OPT_SR_JOPN_2_202210151000000 302210151000000 COOL Research Custy CS_OPT_SR_JOPN_2_202210151000000 COOL Research Custy Research Custy CS_OPT_S			
Comparison Com	CS_OFFL_SIR_IOPN_2_20221015T190529_20221015T190841_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
Control Cont	CS_OFFL_SIR_IOPN_2_20221015T192602_20221015T192708_C001	• • • • • • • • • • • • • • • • • • • •	
CS_OFFL_SRI_OFFL_2X02101572692 202101572032	CS_OFFL_SIR_IOPN_2_20221015T201226_20221015T201604_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
Descriptions	CS_OFFL_SIR_IOPN_2_20221015T224244_20221015T224541_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DB_OFFI_SIR_OFFI_2_202216157031582_0021015700304_20381 DB_OFFI_SIR_OFFI_2_202216157031582_00221015700304_20381 DB_OFFI_SIR_OFFI_2_202216157031582_00221015700304_20381 DB_OFFI_SIR_OFFI_2_202216157031582_00221015700304_20381 DB_OFFI_SIR_OFFI_2_20221615703182_00221015700304_20381 DB_OFFI_SIR_OFFI_2_20221615703182_00221015700304_20381 DB_OFFI_SIR_OFFI_2_20221615703182_00221015700304_20381 DB_OFFI_SIR_OFFI_2_20221615703182_00221015700304_20381 DB_OFFI_SIR_OFFI_2_20221615	CS_OFFL_SIR_IOPN_2_20221015T232952_20221015T233137_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20221015T01420_20221015T01420_C001 CS_OFFL_SIR_IOPR_2_20221015T01420_20221015T014200_C001 CS_OFFL_SIR_IOPR_2_20221015T042807_20221015T004280_C001 CS_OFFL_SIR_IOPR_2_20221015T042807_20221015T004280_C001 CS_OFFL_SIR_IOPR_2_20221015T042807_20221015T042800_C001 CS_OFFL_SIR_IOPR_2_20221015T042807_20221015T042800_C001 CS_OFFL_SIR_IOPR_2_20221015T042807_20221015T042800_C001 CS_OFFL_SIR_IOPR_2_20221015T042807_20221015T042800_C001 CS_OFFL_SIR_IOPR_2_20221015T042807_20221015T042800_C001 CS_OFFL_SIR_IOPR_2_20221015T042807_20221015T042800_C001 CS_OFFL_SIR_IOPR_2_20221015T042807_20221015T042800_C001 CS_OFFL_SIR_IOPR_2_20221015T042800_C001 CS_OFFL_SIR_IOPR_2_20221015T042800_C0021015T064300_C001 CS_OFFL_SIR_IOPR_2_20221015T064300_C001 CS_OFFL_SIR_IOPR_2_20221015T064300_C001 CS_OFFL_SIR_IOPR_2_20221015T064300_C001 CS_OFFL_SIR_IOPR_2_20221015T064300_C001 CS_OFFL_SIR_IOPR_2_20221015T064300_C001 CS_OFFL_SIR_IOPR_2_20221015T064300_C001 CS_OFFL_SIR_IOPR_2_20221015T064300_C0021015T064300_C001 CS_OFFL_SIR_IOPR_2_20221015T064400_C002105T064300_C001 CS_OFFL_SIR_IOPR_2_20221015T064400_C002105T064300_C001 CS_OFFL_SIR_IOPR_2_20221015T064400_C002105T064400_C001 CS_OFFL_SIR_IOPR_2_20221015T064400_C002105T064400_C001 CS_OFFL_SIR_IOPR_2_20221015T064400_C002105T064400_C001 CS_OFFL_SIR_IOPR_2_20221015T064400_C002105T064400_C001 CS_OFFL_SIR_IOPR_2_20221015T064400_C002105T064400_C001 CS_OFFL_SIR_IOPR_2_20221015T064400_C002105T064400_C001	CS_OFFL_SIR_IOPN_2_20221015T233823_20221015T234432_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OS. OFFL. SIRI JOPR 2. 20221015T04255 20221015T04250 C001 CS. OFFL. SIRI JOPR 2. 20221015T04257 20221015T04250 C001 CS. OFFL. SIRI JOPR 2. 20221015T04255 20221015T04250 C001 CS. OFFL. SIRI JOPR 2. 20221015T04150 C001 CS. OFFL. SIRI JOPR 2. 20221015T05150 C001 CS. OFFL. SIRI JOPR 2. 20221015T06150 C001 CS. OFFL. SIRI JOPR 2. 20221015T06030 C001 CS	CS_OFFL_SIR_IOPR_2_20221015T000345_20221015T000524_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
SO OFFL_SIR_LOPR_2_202210157032342_2021 CS_OFFL_SIR_LOPR_2_202210157042852_202210157042850_C001 CS_OFFL_SIR_LOPR_2_202210157042852_202210157042850_C001 CS_OFFL_SIR_LOPR_2_202210157042852_202210157042850_C001 CS_OFFL_SIR_LOPR_2_202210157042850_200210157042850_C001 CS_OFFL_SIR_LOPR_2_202210157042850_200210157042850_C001 CS_OFFL_SIR_LOPR_2_202210157042850_C001 CS_OFFL_SIR_LOPR_2_20221015704106_20210157044580_C001 CS_OFFL_SIR_LOPR_2_20221015704106_20210157044580_C001 CS_OFFL_SIR_LOPR_2_20221015704106_20210157044580_C001 CS_OFFL_SIR_LOPR_2_20221015704106_20210157044580_C001 CS_OFFL_SIR_LOPR_2_20221015704106_20210157044580_C001 CS_OFFL_SIR_LOPR_2_20221015704106_20210157044580_C001 CS_OFFL_SIR_LOPR_2_20221015704106_20210157044580_C001 CS_OFFL_SIR_LOPR_2_202210157065680_20210157065805_C001 CS_OFFL_SIR_LOPR_2_202210157066805_20210157065805_C001 CS_OFFL_SIR_LOPR_2_202210157066805_20210157065805_C001 CS_OFFL_SIR_LOPR_2_202210157066805_20210157068080_C001 CS_OFFL_SIR_LOPR_2_202210157066805_C001 CS_OFFL_SIR_LOPR_2_202210157066805_C001 CS_OFFL_SIR_LOPR_2_2022101570768080_C001 CS_OFFL_SIR_LOPR_2_2022101570768080_C001157068080_C001 CS_OFFL_SIR_LOPR_2_2022101570768080_C001157068080_C001 CS_OF	CS_OFFL_SIR_IOPR_2_20221015T011430_20221015T011950_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS OFFL SIR IOPR 2 20221015T042937 20221015T042950 C001 CS OFFL SIR IOPR 2 20221015T042937 20221015T042950 C001 CS OFFL SIR IOPR 2 20221015T042952 20221015T042950 C001 CS OFFL SIR IOPR 2 20221015T042952 20221015T042950 C001 CS OFFL SIR IOPR 2 20221015T043126 20221015T042950 C001 CS OFFL SIR IOPR 2 20221015T043126 20221015T043950 C001 CS OFFL SIR IOPR 2 20221015T051924 C001 Allerator Renge and Backscatter Cuality Flags have been set for one or more records CS OFFL SIR IOPR 2 20221015T051924 C001 Allerator Renge and Backscatter Cuality Flags have been set for one or more records CS OFFL SIR IOPR 2 20221015T050932 20221015T059335 C001 CS OFFL SIR IOPR 2 20221015T069312 20221015T069355 C001 CS OFFL SIR IOPR 2 20221015T069312 20221015T069355 C001 CS OFFL SIR IOPR 2 20221015T069312 20221015T069355 C001 CS OFFL SIR IOPR 2 20221015T069312 20221015T093935 C001 CS OFFL SIR IOPR 2 20221015T079384 20221015T093935 C001 CS OFFL SIR IOPR 2 20221015T079393 20221015T093935 C001 CS OFFL S	CS_OFFL_SIR_IOPR_2_20221015T015723_20221015T020020_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCG Backscatter Cualty CS_OFFL_SIR_JOPR_2_20221015T04285_20221015T04280_C001 CS_OFFL_SIR_JOPR_2_20221015T04318_20221015T04380_C001 All matter Range Cualty PLRM. COG Backscatter Cualty CS_OFFL_SIR_JOPR_2_20221015T04318_20221015T04380_C001 CS_OFFL_SIR_JOPR_2_20221015T044127_20221015T04380_C001 CS_OFFL_SIR_JOPR_2_20221015T044127_20221015T04380_C001 CS_OFFL_SIR_JOPR_2_20221015T044127_20221015T044282_C001 CS_OFFL_SIR_JOPR_2_20221015T044127_20221015T044282_C001 CS_OFFL_SIR_JOPR_2_20221015T0540_20221015T05498_20221015T064982_C001 CS_OFFL_SIR_JOPR_2_20221015T0540_20221015T065985_C001 CS_OFFL_SIR_JOPR_2_20221015T065982_20221015T065985_C001 CS_OFFL_SIR_JOPR_2_20221015T065982_20221015T066945_C001 CS_OFFL_SIR_JOPR_2_20221015T066948_20021015T068948_C001 CS_OFFL_SIR_JOPR_2_20221015T066948_20021015T0768948_C001 CS_OFFL_SIR_JOPR_2_20221015T076994_20021015T0769948_C0021015T08998_C001 CS_OFFL_SIR_JOPR_2_20221015T076994_20021015T089948_C001 CS_OFFL_SIR_JOPR_2_20221015T099948_20021015T089948_C001 CS_OFFL_SI	CS_OFFL_SIR_IOPR_2_20221015T025249_20221015T030243_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Altereter Range Cuality FLRM. OCOG Backscatter Cuality FLRM The OCogan Altereter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one or more records OCOG Altereter Range and Backscatter Cuality Flags have been set for one or more records The OCOGA Altereter Range and Backscatter Cuality Flags have been set for one or more records OCOG Backscatter Cuality FLRM OCOGA Altereter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one or more records OCOGA Altereter Range and Backscatter Cuality Flags have been set for one or more records The OCOGA Range and Backscatter Cuality Flags have been set for one or more records OCOGA Backscatter Cuality FLRM OCOGA Altereter Range, SSHA, SWH and Backscatter Cuality Flags have been set for one or more records OCOGA Altereter Range and Backscatter Cuality Flags have been set for one or more records OCOGA Altereter Range and Backscatter Cuality Flags have been set for one or more records OCOGA Altereter Range and Backscatter Cuality Flags have been set for one or more records OCOGA Altereter Range and Backscatter Cuality Flags have been set for one or more records OCOGA Altereter Range SSHA, SWH and Backscatter Cuality Flags have been set for one or more records OCOGA Altereter Range SSHA, SWH and Backscatter Cuality Flags have been set for one or more records OCOGA Altereter Range SSHA, SWH and Backscatter Cuality Flags have been set for one or more records OCOGA Altereter Range Cuality FLRM. OCOGA Altereter Range Cual	CS_OFFL_SIR_IOPR_2_20221015T042837_20221015T042850_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality PLRM, COCG Affirmeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_JOPR_2_20221015T04127_20221015T04282_CO01 CS_OFFL_SIR_JOPR_2_20221015T051526_20221015T051921_CO01 CS_OFFL_SIR_JOPR_2_20221015T051526_20221015T051921_CO01 CS_OFFL_SIR_JOPR_2_20221015T051526_20221015T051921_CO01 CS_OFFL_SIR_JOPR_2_20221015T052932_20221015T0519355_CO01 CS_OFFL_SIR_JOPR_2_20221015T062932_20221015T063935_CO01 CS_OFFL_SIR_JOPR_2_20221015T063932_20221015T063935_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T063935_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T076393_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T076393_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T076393_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T076393_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T076934_2001 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T076934_2001 CCS_OFFL_SIR_JOPR_2_20221015T076934_20221015T08938_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T08938_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T08938_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T08938_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T08938_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T08938_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T08938_CO01 CS_OFFL_SIR_JOPR_2_20221015T076934_20221015T08938_C	CS_OFFL_SIR_IOPR_2_20221015T042852_20221015T042901_C001		
CS_OFFL_SIR_IOPR_2_20221015T051382_20221015T05395_C001 CS_OFFL_SIR_IOPR_2_20221015T051382_20221015T05395_C001 CS_OFFL_SIR_IOPR_2_20221015T052932_20221015T063955_C001 CS_OFFL_SIR_IOPR_2_20221015T062917_20221015T063955_C001 CS_OFFL_SIR_IOPR_2_20221015T062917_20221015T063955_C001 CS_OFFL_SIR_IOPR_2_20221015T062917_20221015T063955_C001 CS_OFFL_SIR_IOPR_2_20221015T062917_20221015T063955_C001 CS_OFFL_SIR_IOPR_2_20221015T062917_20221015T063955_C001 CS_OFFL_SIR_IOPR_2_20221015T062917_20221015T063955_C001 CS_OFFL_SIR_IOPR_2_20221015T062918_20221015T063955_C001 CS_OFFL_SIR_IOPR_2_20221015T062918_20221015T063955_C001 CS_OFFL_SIR_IOPR_2_20221015T062918_20221015T063955_C001 CS_OFFL_SIR_IOPR_2_20221015T062918_20221015T063955_C001 CS_OFFL_SIR_IOPR_2_20221015T062918_20221015T063955_C001 CS_OFFL_SIR_IOPR_2_20221015T078958_20221015T079593_C001 CS_OFFL_SIR_IOPR_2_20221015T079818_20221015T079593_C001 CS_OFFL_SIR_IOPR_2_20221015T079898_20221015T079593_C001 CS_OFFL_SIR_IOPR_2_20221015T079898_20221015T089988_C001 CS_OFFL_SIR_IOPR_2_20221015T089988_C0021015T089988_C001 CS_OFFL_SIR_IOPR_2_20221015T089988_20221015T089988_C001 CS_OFFL_SIR_IOPR_2_20221015T089988_20221015T089988_C001 CS_OFFL_SIR_IOPR_2_20221015T079898_20221015T089988_C001 CS_OFFL_SIR_IOPR_2_20221015T089988_C001 CS_OFFL_SIR_IOPR_2_20221015T089988_C001 CS_OFFL_SIR_IOPR_2_20221015T089988_C001 CS_OFFL_SIR_IOPR_2_20221015T089988_20221015T089988_C001 CS_OFFL_SIR_IOPR_2_20221015T089988_20221015T	CS_OFFL_SIR_IOPR_2_20221015T043126_20221015T043800_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20221015T052382_20221015T053355_C001 Almeter Range and Backscatter Coulty PERM COOG Allmeter Range and Backscatter Coulty Pigs have been set for one or more records CS_OFFL_SIR_IOPR_2_20221015T062932_20221015T06603_C001 CS_OFFL_SIR_IOPR_2_20221015T060920_20221015T061603_C001 CS_OFFL_SIR_IOPR_2_20221015T062917_20221015T06603_C001 CS_OFFL_SIR_IOPR_2_20221015T062917_20221015T06603_C001 CS_OFFL_SIR_IOPR_2_20221015T062917_20221015T062455_C001 CS_OFFL_SIR_IOPR_2_20221015T062721_20221015T062455_C001 CS_OFFL_SIR_IOPR_2_20221015T062721_20221015T063045_C001 CS_OFFL_SIR_IOPR_2_20221015T062721_20221015T065355_C001 CS_OFFL_SIR_IOPR_2_20221015T066432_20221015T065035_C001 CS_OFFL_SIR_IOPR_2_20221015T066432_20221015T065035_C001 CS_OFFL_SIR_IOPR_2_20221015T065432_20221015T075503_C001 CS_OFFL_SIR_IOPR_2_20221015T076848_20221015T075503_C001 CS_OFFL_SIR_IOPR_2_20221015T076848_20221015T075503_C001 CS_OFFL_SIR_IOPR_2_20221015T076848_20221015T075503_C001 CS_OFFL_SIR_IOPR_2_20221015T076849_20221015T0769348_C001 CS_OFFL_SIR_IOPR_2_20221015T076834_20221015T076503_C001 CS_OFFL_SIR_IOPR_2_20221015T076834_20221015T076503_C001 CS_OFFL_SIR_IOPR_2_20221015T076834_20221015T076503_C001 CS_OFFL_SIR_IOPR_2_20221015T076834_20221015T076503_C001 CS_OFFL_SIR_IOPR_2_20221015T076834_20221015T076503_C001 CS_OFFL_SIR_IOPR_2_20221015T076834_20221015T076503_C001 CS_OFFL_SIR_IOPR_2_20221015T076834_20221015T076503_C001 CS_OFFL_SIR_IOPR_2_20221015T076834_20221015T076503_C001 CS_OFFL_SIR_IOPR_2_20221015T076834_20221015T008398_C001 CS_OFFL_SIR_IOPR_2_20221015T0768398_20221015T008398_C001 CS_OFFL_SIR_IOPR_2_20221015T0763398_20221015T0083975_C001 CS_OFFL_SIR_IOPR_2_20221015T0763398_20221015T003357_C001 CS_OFFL_SIR_IOPR_2_20221015T0763398_20221015T003357_C001 CS_OFFL_SIR_IOPR_2_20221015T0763398_20221015T003357_C001 CS_OFFL_SIR_IOPR_2_20221015T0033357_C001 CS_OFFL_SIR_IOPR_2_20221015T0033357_C001 CS_OFFL_SIR_IOPR_2_20221015T0033357_C001 CS_OFFL_SIR_IOPR_2_20221015T0033357_C001 CS_OFFL_SIR_IOPR_2_20221015T0033357	CS_OFFL_SIR_IOPR_2_20221015T044127_20221015T044252_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
SOFFL_SIR_IOPR_2_20221015T059332_20221015T069302_20221015T0693035_CO01 Altimeter Range and Backscatter Ouality PLRM, OCO Altimeter Range and Backscatter Ouality Plags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221015T060920_20221015T061603_CO01 CS_OFFL_SIR_IOPR_2_20221015T062117_20221015T062455_CO01 CS_OFFL_SIR_IOPR_2_20221015T062117_20221015T062455_CO01 CS_OFFL_SIR_IOPR_2_20221015T062117_20221015T063045_CO01 CS_OFFL_SIR_IOPR_2_20221015T062721_20221015T063045_CO01 CS_OFFL_SIR_IOPR_2_20221015T065432_20221015T065835_CO01 CS_OFFL_SIR_IOPR_2_20221015T065432_20221015T065835_CO01 CS_OFFL_SIR_IOPR_2_20221015T065432_20221015T071208_CO01 CS_OFFL_SIR_IOPR_2_20221015T070818_20221015T071208_CO01 CS_OFFL_SIR_IOPR_2_20221015T070818_20221015T075503_CO01 CS_OFFL_SIR_IOPR_2_20221015T074809_20221015T075503_CO01 CS_OFFL_SIR_IOPR_2_202221015T075934_20221015T0833918_CO01 CS_OFFL_SIR_IOPR_2_202221015T079334_20221015T0933357_CO01 CS_OFFL_SIR_IOPR_2_202221015T092338_20221015T093355_CO01 CS_OFFL_SIR_IOPR_2_202221015T092338_20221015T093355_CO01 CS_OFFL_SIR_IOPR_2_202221015T092338_20221015T093355_CO01 CS_OFFL_SIR_IOPR_2_202221015T092338_20221015T093355_CO01 CS_OFFL_SIR_IOPR_2_202221015T093355_CO01 CS_OFFL_SIR_IOPR_2_202221015T093358_20221015T093355_CO01 CCCCA Altimeter Range on Mackscatter Ouality PLRM, COCK Altimeter Range and Backscatter Ouality PLRM, COCK Altimeter Range and Backscatter Ouality PLRM, COCK Altimeter Range and Backscatter Ouality Plags have been set for one or more records CCCCA Altimeter Range and Backscatter Ouality PLRM, COCK Altimeter Range and Backscatter Ouality Plags have been set for one or more records CCCCA Altimeter Range and Backscatter Ouality Plags have been set for one or more records CCCCA Altimeter Range and Backscatter Ouality Plags have been set for one or more records CCCCA Altimeter Range and Backscatter Ouality Plags have been set for one or more records CCCCA Altimeter Range and Backscatter Ouality Plags have been set for one or more records CCCCA Altimet	CS_OFFL_SIR_IOPR_2_20221015T051526_20221015T051921_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20221015T062117_20221015T062455_CO01 CS_OFFL_SIR_IOPR_2_20221015T062117_20221015T062455_CO01 CS_OFFL_SIR_IOPR_2_20221015T062721_20221015T063045_CO01 CS_OFFL_SIR_IOPR_2_20221015T062721_20221015T065835_CO01 CS_OFFL_SIR_IOPR_2_20221015T066432_20221015T065835_CO01 CS_OFFL_SIR_IOPR_2_20221015T078818_20221015T071208_CO01 CS_OFFL_SIR_IOPR_2_20221015T078818_20221015T075503_CO01 CS_OFFL_SIR_IOPR_2_20221015T078818_20221015T075503_CO01 CS_OFFL_SIR_IOPR_2_20221015T078934_20221015T089388_CO01 CS_OFFL_SIR_IOPR_2_20221015T078934_20221015T089388_CO01 CS_OFFL_SIR_IOPR_2_20221015T078934_20221015T089388_CO01 CS_OFFL_SIR_IOPR_2_20221015T078938_20221015T089388_CO01 CS_OFFL_SIR_IOPR_2_20221015T078938_20221015T089388_CO01 CS_OFFL_SIR_IOPR_2_20221015T078938_20221015T089388_CO01 CS_OFFL_SIR_IOPR_2_20221015T089388_20221015T093357_CO01 Altimeter Range and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality Plags and the COCG Altimeter Range and Backscatter Quality Plags and the COCG Altimeter Range and Backscatter Quality Plags and the COCG Altimeter Range and Backscatter Quality Plags and the COCG Altimeter Range and Backscatter Quality Plags and the COCG	CS_OFFL_SIR_IOPR_2_20221015T052932_20221015T053355_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20221015T062721_20221015T063045_C001 CS_OFFL_SIR_IOPR_2_20221015T065432_20221015T065835_C001 CS_OFFL_SIR_IOPR_2_20221015T065432_20221015T065835_C001 CS_OFFL_SIR_IOPR_2_20221015T070818_20221015T065835_C001 CS_OFFL_SIR_IOPR_2_20221015T070818_20221015T07503_C001 CS_OFFL_SIR_IOPR_2_20221015T070818_20221015T07503_C001 CS_OFFL_SIR_IOPR_2_20221015T075934_20221015T080948_C001 CS_OFFL_SIR_IOPR_2_20221015T075934_20221015T080948_C001 CS_OFFL_SIR_IOPR_2_20221015T075934_20221015T080948_C001 CS_OFFL_SIR_IOPR_2_20221015T075934_20221015T083918_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093357_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093357_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093358_C0021015T093358_20221015T093358_C0001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093359_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093358_C0021015T093358_20221015T093358_C0021015T09335	CS_OFFL_SIR_IOPR_2_20221015T060920_20221015T061603_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20221015T065432_20221015T065835_C001 CS_OFFL_SIR_IOPR_2_20221015T065432_20221015T065835_C001 CS_OFFL_SIR_IOPR_2_20221015T070818_20221015T071208_C001 CS_OFFL_SIR_IOPR_2_20221015T070818_20221015T071208_C001 CS_OFFL_SIR_IOPR_2_20221015T070818_20221015T07503_C001 CS_OFFL_SIR_IOPR_2_20221015T074809_20221015T075503_C001 CS_OFFL_SIR_IOPR_2_20221015T075934_20221015T080948_C001 CS_OFFL_SIR_IOPR_2_20221015T075934_20221015T080948_C001 CS_OFFL_SIR_IOPR_2_20221015T075934_20221015T080948_C001 CS_OFFL_SIR_IOPR_2_20221015T083239_20221015T083918_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093357_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093359_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093359_C001 CCGan Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range R	CS_OFFL_SIR_IOPR_2_20221015T062117_20221015T062455_C001		
CS_OFFL_SIR_IOPR_2_20221015T065432_20221015T065835_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221015T075934_20221015T080948_C001 CS_OFFL_SIR_IOPR_2_20221015T083239_20221015T083918_C001 CS_OFFL_SIR_IOPR_2_20221015T083239_20221015T083918_C001 CS_OFFL_SIR_IOPR_2_20221015T092938_20221015T093357_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221015T092938_20221015T093357_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093359_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093359_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093359_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093359_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093559_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20221015T0933	CS_OFFL_SIR_IOPR_2_20221015T062721_20221015T063045_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
CS_OFFL_SIR_IOPR_2_20221015T070818_20221015T071208_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_IOPR_2_20221015T074809_20221015T075503_C001 CS_OFFL_SIR_IOPR_2_20221015T075934_20221015T080948_C001 CS_OFFL_SIR_IOPR_2_20221015T075934_20221015T080948_C001 CS_OFFL_SIR_IOPR_2_20221015T083239_20221015T083918_C001 CS_OFFL_SIR_IOPR_2_20221015T083239_20221015T083918_C001 CS_OFFL_SIR_IOPR_2_20221015T092938_20221015T093357_C001 CS_OFFL_SIR_IOPR_2_20221015T092938_20221015T093357_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093359_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimet	CS_OFFL_SIR_IOPR_2_20221015T065432_20221015T065835_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM ocog Altimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20221015T075934_20221015T080948_C001 CS_OFFL_SIR_IOPR_2_20221015T083239_20221015T083918_C001 CS_OFFL_SIR_IOPR_2_20221015T083239_20221015T083918_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093357_C001 And Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records 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 and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG	CS_OFFL_SIR_IOPR_2_20221015T070818_20221015T071208_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality CS_OFFL_SIR_IOPR_2_20221015T083239_20221015T083918_C001 CS_OFFL_SIR_IOPR_2_20221015T083239_20221015T083918_C001 CS_OFFL_SIR_IOPR_2_20221015T092938_20221015T093357_C001 CS_OFFL_SIR_IOPR_2_20221015T092938_20221015T093357_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093509_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093509_C001 OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags an	CS_OFFL_SIR_IOPR_2_20221015T074809_20221015T075503_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM ocog Altimeter Range and Backscatter Quality PLRM ocog Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_IOPR_2_20221015T092938_20221015T093357_C001 CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093509_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM ocog Altimeter Range and Backscatter Quality PLRM ocog Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Bac	CS_OFFL_SIR_IOPR_2_20221015T075934_20221015T080948_C001		The OCOG Range and Backscatter Quality Flags have been set for one or more records
and Backscatter Quality PLRM, OCOG Altimeter Range, 20221015T092938_20221015T093357_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG A	CS_OFFL_SIR_IOPR_2_20221015T083239_20221015T083918_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20221015T092938_20221015T093357_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPR_2_20221015T093358_20221015T093509_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPR_2_20221015T095831_20221015T095931_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_20221015T110739_20221015T111139_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_20221015T111139_20221015T1111409_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_20221015T120915_20221015T121044_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_20221015T122555_20221015T122955_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_20221015T122955_20221015T123202_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_20221015T124716_20221015T125330_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_20221015T125555_20221015T125603_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_20221015T142429_20221015T142434_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_20221015T142445_20221015T142708_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_20221015T142856_20221015T143326_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_20221015T151321_20221015T151548_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_20221015T152727_20221015T152943_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_20221015T160310_20221015T160428_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_20221015T160705_20221015T161534_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_20221015T165108_20221015T165547_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_20221015T173949_20221015T174308_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_20221015T174649_20221015T175437_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_20221015T183125_20221015T183512_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_20221015T184508_20221015T184912_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_20221015T191717_20221015T191848_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_20221015T192709_20221015T193446_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_20221015T201021_20221015T201226_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_20221015T202356_20221015T202807_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_20221015T210626_20221015T211344_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_20221015T220141_20221015T220707_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_20221015T222109_20221015T222320_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_20221015T224542_20221015T225244_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_20221015T225246_20221015T225259_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_20221015T231243_20221015T231415_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_20221015T231422_20221015T231449_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: 140

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

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).

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: 30

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20221014T233750_20221015T002725_C002	IMEAN Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOP_2_20221015T002725_20221015T011704_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_20221015T011704_20221015T020640_C001	Mean Sea Surface (1), Mean 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_20221015T020640_20221015T025619_C001	Mean Sea Surface (1), Mean 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_20221015T025619_20221015T034555_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

CS_OFFL_SIR_IOP_2_20221015T034555_20221015T043534_C001	Mean Sea Surface (1), Mean 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_20221015T043534_20221015T052510_C001	Mean Sea Surface (1), Mean 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_20221015T052510_20221015T061448_C001	Mean Sea Surface (1), Mean 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_20221015T061448_20221015T070424_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_20221015T070424_20221015T075403_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_20221015T075403_20221015T084339_C001	Mean Sea Surface (1), Mean 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_20221015T084339_20221015T093318_C001	Mean Sea Surface (1), Mean 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_20221015T093318_20221015T102253_C001	Mean Sea Surface (1), Mean 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_20221015T102253_20221015T111232_C001	Mean Sea Surface (1), Mean 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_20221015T111232_20221015T120208_C001	Mean Sea Surface (1), Mean 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_20221015T120208_20221015T125147_C001	Mean Sea Surface (1), Mean 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_20221015T125147_20221015T134123_C001	Mean Sea Surface (1), Mean 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_20221015T134123_20221015T143102_C001	Mean Sea Surface (1), Mean 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_20221015T143102_20221015T152038_C001	Mean Sea Surface (1), Mean 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_20221015T152038_20221015T161017_C001	Mean Sea Surface (1), Mean 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_20221015T161017_20221015T165952_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_20221015T165952_20221015T174931_C001	Mean Sea Surface (1), Mean 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_20221015T174931_20221015T183907_C001	Mean Sea Surface (1), Mean 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_20221015T183907_20221015T192846_C001	Mean Sea Surface (1), Mean 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_20221015T192846_20221015T201822_C001	Mean Sea Surface (1), Mean 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_20221015T201822_20221015T210801_C001	Mean Sea Surface (1), Mean 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_20221015T210801_20221015T215736_C001	Mean Sea Surface (1), Mean 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_20221015T215736_20221015T224715_C001	Mean Sea Surface (1), Mean 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_20221015T224715_20221015T233651_C001	Mean Sea Surface (1), Mean 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_20221015T233651_20221016T002630_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20221015T002725_20221015T011704_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_IOP_220221015T165952_20221015T174931_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20 Hz)

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

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

Number of products with errors:

30

P2P Quality Flags (20 Hz PLRM)

P2P Quality Flags (1 Hz & 1 Hz PLRM)

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

Number of products with errors: 30

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20 Hz)

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

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

Number of products with errors:

27

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:

30

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	159	159	1	158	0
SIR_IOPR1B	108	102	1	101	0
SIR_IOPN1B	102	108	0	108	0
SIR_IOPM_2	159	159	109	50	0
SIR_IOPR_2	108	102	45	57	0
SIR_IOPN_2	102	108	32	74	2
SIR IOP P2P	29	28	0	26	2

7.1 QCC Errors

Number of QCC reports with errors:

10

Total number of occurrences of each error

Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_IOPR_2	2	2	2	2							
	'										
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_IOP_2_	2	2	2	2							

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

7.2 QCC Warnings

Number of QCC reports with warnings

2137

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_IOPM1B	158	0	0	0	0	0	0
SIR_IOPM_2	0	0	38	35	1	38	0
SIR_IOPN1B	99	0	0	0	0	0	0
SIR_IOPN_2	0	0	12	33	3	26	29
SIR_IOPR1B	105	0	0	0	0	0	0
SIR_IOPR_2	0	2	37	42	0	42	27

	Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
Ī	SIR_IOPM1B	0	0	0	0	0	0	0
	SIR_IOPM_2	36	0	30	0	0	0	0
	SIR_IOPN1B	0	0	0	0	0	0	0
	SIR_IOPN_2	21	1	0	0	23	0	34
	SIR_IOPR1B	0	0	0	0	0	0	0
	SIR IOPR 2	17	4	0	47	0	51	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	23	0	0	7	29	0	4
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	0	0	25	14	41	47	31
SIR_IOPR1B	0	0	0	0	0	0	0
SIR IOPR 2	0	44	0	1	68	47	9

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-
SIR_IOPM1B	0	0	0	0	0	0	
SIR_IOPM_2	36	0	2	0	0	0	
SIR_IOPN1B	0	0	0	0	51	1	
SIR_IOPN_2	24	27	17	0	0	0	
SIR_IOPR1B	0	0	0	0	108	6	
SIR_IOPR_2	39	47	1	2	0	0	

П	i iouuci iype							
	SIR_IOP_2_	15	28	28	4	28	16	28
		*		•		•		

П								
	SIR_IOP_2_	4	16	27	24	18	28	18
L	Floudct Type	THILLE GIGHODI	III EI OI I BI EI IMONANOB	THE ET OF T DOMESTOD	III EI OI OINNODI	ПООВООНОВІ	HOUHAUI BIYODI	HOOHAOI DI EHIIMODI

SI	IR_IOP_2_	25	28	17	15	28		
Pro	oduct Type	-	-	-	-	-	-	-
SI	IR_IOP_2_							

Fest Description Key:								
Abbreviation	Test name	Details						
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter						
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)						
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees						
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees						
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only						
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean						
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean						
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean						
RSSHAOFDPLRMNCD F	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean						
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean						
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees						
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample						
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter						
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter						

7.3 Missing QCC Reports

Number of products with missing QCC reports:

L1B and L2 Product name n/a

P2P Product name
CS_OFFL_SIR_IOP_2_20221015T233651_20221016T002630_C002