

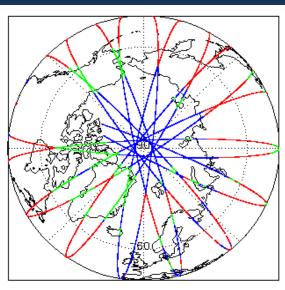
# 1. Overview

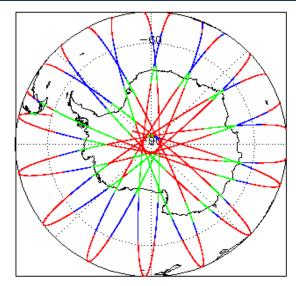
Report Production:	30-Oct-2020
Processor Used:	CryoSat Ocean Processor
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data

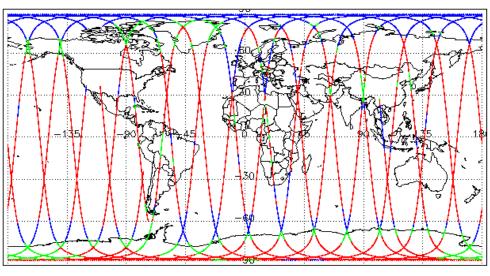
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

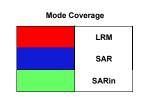
Mission / Instru	ument News
26-Oct-2020	None
27-Oct-2020	None
28-Oct-2020	Nothing planned

# 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 binary product file (.DBL).

#### 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.

L1B Processing Quality HR: The I1b\_proc\_flag\_hr flag is currently set all L1B IOPR and IOPN products because the I1b\_processing\_quality\_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

#### 4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

# 4.4 L1B Auxiliary Correction Error Check

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

0

lumber of products with errors:

#### 4.5 L1B Measurement Confidence Data Check

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

Attitude Correction Missing: This flag is currently set in error for IOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

#### 4.6 L1B Waveform Group Data Check

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

Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected

12

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPN1B_20201027T074020_20201027T074320_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20201027T105921_20201027T110136_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20201027T200942_20201027T201502_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20201027T210042_20201027T210458_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20201027T215355_20201027T215528_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20201027T223936_20201027T224049_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20201027T224229_20201027T224458_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201027T010320_20201027T010933_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201027T054930_20201027T055327_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201027T175308_20201027T175628_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201027T223306_20201027T223731_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20201027T231618_20201027T231717_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 binary product file (.DBL).

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:

0

### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors: 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.

47

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20201027T122547_20201027T123600_C001	Topography (1), Total Geocentric Ocean	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records

CS_OFFL_SIR_IOPN_2_20201027T002332_20201027T002520_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20201027T010933_20201027T011426_C001	Mean Sea Surface (1), Mean 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_20201027T033405_20201027T033615_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_20201027T051208_20201027T051524_C001	Mean Sea Surface (1), Mean 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_20201027T052046_20201027T052205_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20201027T065057_20201027T065417_C001	Mean Sea Surface (1), Mean 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_20201027T065941_20201027T070106_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20201027T074020_20201027T074320_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20201027T083756_20201027T083933_C001	Mean Sea Surface (1), Mean 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_20201027T092121_20201027T092221_C001	Mean Sea Surface (1), Mean 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_20201027T101533_20201027T101742_C001	Mean Sea Surface (1), Mean 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_20201027T105921_20201027T110136_C001	Mean Sea Surface (1), Mean 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_20201027T114551_20201027T114737_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20201027T123601_20201027T124002_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20201027T133522_20201027T133722_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20201027T182402_20201027T182528_C001	Mean Sea Surface (1), Mean Dynamic Topography (1) mean Sea Surrace (1), mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20201027T183039_20201027T183343_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20201027T200942_20201027T201502_C001	Mean Sea Surface (1), Mean 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_20201027T210042_20201027T210458_C001	Mean Sea Surrace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20201027T222242_20201027T222611_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20201027T223936_20201027T224049_C001	Mean Sea Surface (1), Mean 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_20201027T231717_20201027T231818_C001	Mean Sea Surface (1), Mean 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_20201027T231921_20201027T232517_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20201027T010221_20201027T010320_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20201027T010320_20201027T010933_C001	Mean Sea Surface (1), Mean 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_20201027T024447_20201027T024956_C001	Mean Sea Surface (1), Mean 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_20201027T041245_20201027T041445_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20201027T041818_20201027T042009_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20201027T042347_20201027T043151_C001	Mean Sea Surface (1), Mean 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_20201027T055530_20201027T055719_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20201027T060229_20201027T061105_C001	Mean Sea Surface (1), Mean 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_20201027T074321_20201027T075107_C001	Mean Sea Surface (1), Mean 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_20201027T092221_20201027T092803_C001	Mean Sea Surface (1), Mean 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_20201027T110136_20201027T110820_C001	Mean Sea Surface (1), Mean 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_20201027T124002_20201027T124524_C001	Mean Sea Surface (1), Mean 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_20201027T141826_20201027T142833_C001	Mean Sea Surface (1), Mean 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_20201027T155543_20201027T160317_C001	Mean Sea Surface (1), Mean 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_20201027T161359_20201027T161442_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20201027T173440_20201027T174135_C001	Mean Sea Surface (1), Mean 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_20201027T174135_20201027T174344_C001	Mean Sea Surface (1), Mean 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_20201027T191319_20201027T192034_C001	Mean Sea Surface (1), Mean 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_20201027T192035_20201027T192245_C001	Mean Sea Surface (1), Mean 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_20201027T205506_20201027T205930_C001	Mean Sea Surface (1), Mean 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_20201027T205930_20201027T210041_C001	Mean Sea Surface (1), Mean 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_20201027T223306_20201027T223731_C001	Mean Sea Surface (1), Mean 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_20201027T223731_20201027T223935_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

## 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

0

# 5.6 L2 Measurement Quality Flag Check

## L2 Quality Flags (20Hz)

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20201026T235719_20201027T001044_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20201027T001505_20201027T002331_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_20201027T002701_20201027T004836_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_20201027T012429_20201027T015027_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_20201027T015409_20201027T015604_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_20201027T015655_20201027T020145_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_20201027T020809_20201027T023010_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_20201027T024304_20201027T024342_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_20201027T030322_20201027T032823_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_20201027T033616_20201027T034213_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_20201027T034536_20201027T041220_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_20201027T041445_20201027T041550_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_20201027T042009_20201027T042300_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_20201027T043503_20201027T050731_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_20201027T051524_20201027T052045_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_20201027T052722_20201027T052844_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_20201027T053129_20201027T053521_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_20201027T055402_20201027T055411_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_20201027T055835_20201027T060229_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_20201027T061409_20201027T062327_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_20201027T062613_20201027T064734_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_20201027T065417_20201027T065528_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_20201027T065534_20201027T065941_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_20201027T070505_20201027T071448_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_20201027T071636_20201027T072239_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_20201027T075113_20201027T082613_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_20201027T082924_20201027T083427_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_20201027T084528_20201027T091650_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_20201027T091802_20201027T091942_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_20201027T093155_20201027T094410_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_20201027T094957_20201027T100548_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_20201027T100817_20201027T101326_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_20201027T102313_20201027T103305_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_20201027T103925_20201027T105518_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_20201027T111308_20201027T111323_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_20201027T111814_20201027T112911_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_20201027T113051_20201027T114417_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_20201027T114737_20201027T115238_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_20201027T115302_20201027T115312_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_20201027T120116_20201027T120307_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_20201027T120435_20201027T121600_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_20201027T122009_20201027T122303_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_20201027T122547_20201027T123600_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_20201027T130151_20201027T132241_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_20201027T133217_20201027T133522_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_20201027T133918_20201027T140525_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_20201027T143815_20201027T150225_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_20201027T150559_20201027T1511110_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_20201027T151846_20201027T155151_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_20201027T160427_20201027T160650_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_20201027T161442_20201027T162109_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_20201027T163750_20201027T164132_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_20201027T164600_20201027T165144_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_20201027T165929_20201027T173129_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_20201027T174344_20201027T174533_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_20201027T180220_20201027T181956_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_20201027T182528_20201027T183039_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_20201027T183743_20201027T191316_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_20201027T192245_20201027T192502_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_20201027T193315_20201027T193340_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_20201027T193515_20201027T193957_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_20201027T194038_20201027T195929_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_20201027T201716_20201027T205046_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_20201027T210511_20201027T212422_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_20201027T212456_20201027T213804_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_20201027T215023_20201027T215354_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_20201027T215629_20201027T221117_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_20201027T221319_20201027T222241_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_20201027T224049_20201027T224229_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_20201027T224458_20201027T230158_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_20201027T231818_20201027T231921_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_20201027T232517_20201027T232817_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_20201027T232824_20201027T233256_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_20201027T233609_20201027T234947_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_20201027T015249_20201027T015408_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_20201027T043322_20201027T043503_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_20201027T051208_20201027T051524_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_20201027T054303_20201027T054447_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_20201027T074020_20201027T074320_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_20201027T105921_20201027T110136_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_20201027T132537_20201027T132816_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_20201027T151445_20201027T151612_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_20201027T200427_20201027T200726_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_20201027T060229_20201027T061105_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_20201027T072910_20201027T073551_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_20201027T073551_20201027T073745_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_20201027T082614_20201027T082731_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_20201027T092221_20201027T092803_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.

	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_20201027T160347_20201027T160426_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
		The Ocean Altimeter Range, SSHA, SWH 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_20201027T205506_20201027T205930_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

# L2 Quality Flags (20Hz 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.

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20201027T005009_20201027T005354_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_20201027T010933_20201027T011426_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_20201027T020146_20201027T020401_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_20201027T023043_20201027T023211_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_20201027T034214_20201027T034343_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_20201027T053521_20201027T053627_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_20201027T054017_20201027T054113_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_20201027T054303_20201027T054447_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_20201027T055412_20201027T055423_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_20201027T061105_20201027T061245_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_20201027T065057_20201027T065417_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_20201027T065941_20201027T070106_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_20201027T072239_20201027T072428_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_20201027T083756_20201027T083933_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_20201027T091650_20201027T091802_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_20201027T092121_20201027T092221_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_20201027T103305_20201027T103411_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_20201027T105518_20201027T105803_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_20201027T111710_20201027T111813_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_20201027T124524_20201027T124553_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_20201027T125500_20201027T125541_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_20201027T125623_20201027T130010_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_20201027T132537_20201027T132816_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_20201027T133522_20201027T133722_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_20201027T142843_20201027T142914_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_20201027T142941_20201027T142957_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_20201027T150424_20201027T150559_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_20201027T151445_20201027T151612_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_20201027T155248_20201027T155542_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_20201027T164436_20201027T164600_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_20201027T165145_20201027T165211_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_20201027T173129_20201027T173439_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_20201027T180109_20201027T180219_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_20201027T183039_20201027T183343_C001	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_20201027T200427_20201027T200726_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_20201027T200942_20201027T201502_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_20201027T210042_20201027T210458_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_20201027T222242_20201027T222611_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_20201027T224229_20201027T224458_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_20201027T230158_20201027T230638_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_20201027T233257_20201027T233441_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_20201027T001044_20201027T001314_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_20201027T002520_20201027T002701_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_20201027T010320_20201027T010933_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_20201027T015028_20201027T015249_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_20201027T020401_20201027T020641_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20201027T032823_20201027T033216_C001	PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20201027T034343_20201027T034535_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_20201027T041245_20201027T041445_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_20201027T041818_20201027T042009_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_20201027T042347_20201027T043151_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_20201027T050731_20201027T051207_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_20201027T052205_20201027T052608_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_20201027T055530_20201027T055719_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_20201027T060229_20201027T061105_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_20201027T064734_20201027T065057_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_20201027T070106_20201027T070505_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_20201027T073931_20201027T074020_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_20201027T074321_20201027T075107_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_20201027T083933_20201027T084038_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_20201027T084038_20201027T084527_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_20201027T092221_20201027T092803_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_20201027T092819_20201027T092929_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_20201027T100548_20201027T100637_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_20201027T101743_20201027T102312_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_20201027T103711_20201027T103925_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_20201027T110136_20201027T110820_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_20201027T124002_20201027T124524_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_20201027T132241_20201027T132537_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_20201027T133723_20201027T133917_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_20201027T141826_20201027T142833_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_20201027T150225_20201027T150423_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_20201027T151613_20201027T151845_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_20201027T155543_20201027T160317_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_20201027T160650_20201027T160809_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_20201027T162241_20201027T162245_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_20201027T164132_20201027T164436_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_20201027T174135_20201027T174344_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_20201027T174630_20201027T175027_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_20201027T181956_20201027T182402_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_20201027T183344_20201027T183743_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_20201027T191319_20201027T192034_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_20201027T192035_20201027T192245_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_20201027T192502_20201027T193227_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_20201027T195930_20201027T200427_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_20201027T201502_20201027T201716_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_20201027T205506_20201027T205930_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_20201027T205930_20201027T210041_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_20201027T213804_20201027T214419_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_20201027T215529_20201027T215628_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_20201027T223306_20201027T223731_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_20201027T223731_20201027T223935_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_20201027T231521_20201027T231548_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_20201027T231618_20201027T231717_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_20201027T234947_20201027T235646_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 & 1Hz PLRM)

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

> 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected.

#### 5.8 L2 Ocean Retracking Quality Check

#### L2 Retracking Flags (20Hz)

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 (20Hz, 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:

7

# 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:

Ω

#### 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:

Λ

#### 6.4 P2P Auxiliary Correction Error Check

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220201027T001810_20201027T010749_C001	Mean Sea Surface (1), Mean 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_220201027T010749_20201027T015725_C001	Mean Sea Surface (1), Mean 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_220201027T015725_20201027T024704_C001	Mean Sea Surface (1), Mean 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_220201027T024704_20201027T033640_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_220201027T033640_20201027T042618_C001	Mean Sea Surface (1), Mean 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_220201027T042618_20201027T051554_C001	Mean Sea Surface (1), Mean 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_220201027T051554_20201027T060533_C001	Mean Sea Surface (1), Mean 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_220201027T060533_20201027T065509_C001	Mean Sea Surface (1), Mean 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_220201027T065509_20201027T074448_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_220201027T074448_20201027T083424_C001	Mean Sea Surface (1), Mean 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_220201027T083424_20201027T092402_C001	Mean Sea Surface (1), Mean 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_20201027T092402_20201027T101338_C001	Mean Sea Surface (1), Mean 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_20201027T101338_20201027T110317_C001	Mean Sea Surface (1), Mean 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_20201027T110317_20201027T115253_C001	Mean Sea Surface (1), Mean 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_20201027T115253_20201027T124232_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_20201027T124232_20201027T133208_C001	Mean Sea Surface (1), Mean 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_20201027T133208_20201027T142146_C001	Mean Sea Surface (1), Mean 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_220201027T142146_20201027T151123_C001	Mean Sea Surface (1), Mean 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_220201027T151123_20201027T160101_C001	Mean Sea Surface (1), Mean 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_220201027T160101_20201027T165037_C001	Mean Sea Surface (1), Mean 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_220201027T165037_20201027T174016_C001	Mean Sea Surface (1), Mean 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_220201027T174016_20201027T182952_C001	Mean Sea Surface (1), Mean 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_220201027T182952_20201027T191930_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_220201027T191930_20201027T200907_C001	Mean Sea Surface (1), Mean 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_20201027T200907_20201027T205845_C001	Mean Sea Surface (1), Mean 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_20201027T205845_20201027T214821_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_220201027T214821_20201027T223800_C001	Mean Sea Surface (1), Mean 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_20201027T223800_20201027T232736_C001	Mean Sea 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:

# 6.6 P2P Measurement Quality Flag Check

#### P2P Quality Flags (20Hz)

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.

Number of products with errors:

# P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

# P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors: 3

# 6.8 P2P Ocean Retracking Quality Check

### P2P Retracking Flags (20Hz)

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:

# 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	171	171	2	169	0
SIR_IOPR1B	102	99	4	95	0
SIR_IOPN1B	99	102	0	102	0
SIR_IOPM_2	171	171	122	49	0
SIR_IOPR_2	102	99	38	61	0
SIR_IOPN_2	99	102	29	73	0

SIR_IOP_P2P	2	29	29	0		2			
7.1 QCC Errors									
lumber of QCC repor	ts with errors:	0							
7.2 QCC Warnin	ıgs								
lumber of QCC repor	ts with warnings	2182							
Product Type	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	ber of occurrences of ea MVIONCDF	RBSZOPOEF		RBSZOPOEPFDP		SZOPOEPNCDF
SIR_IOPM1B SIR IOPM 2	169 0	0 37	0 38	1	0 43		0	0 32	
SIR_IOPN1B	95	0	0	0	0		0	0	
SIR_IOPN_2 SIR_IOPR1B	0 96	0	31 0	0	26 0		31 0	20 0	
SIR_IOPR_2	0	40	45	0	41		35	19	
Product Type	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCI	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDS	SINNCDF	RPEPOPLRMNCD	F RP	EPOPSARNCDF
SIR_IOPM1B SIR_IOPM_2	0 29	0	0	0	0		0 25	0	
SIR_IOPN1B	0	0	0	0	0		0	0	
SIR_IOPN_2 SIR_IOPR1B	0	0	24 0	0	33 0		0	0	
SIR_IOPR_2	0	49	0	53	0		0	48	
Product Type	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCI	DF	RSWHOEPFDNCD	OF RS	WHOEPFDPLRMNCI
SIR_IOPM1B	0	0	0	0	0		0	0	
SIR_IOPM_2 SIR_IOPN1B	0	6 0	27 0	0	5 0		38 0	0	
SIR_IOPN_2	26	23	45	50	37		27	27	
SIR_IOPR1B SIR IOPR 2	0	0	0 63	0 48	0 12		0 38	0 48	
	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCI	)F			
Product Type SIR_IOPM1B	0	0	О	0	5	,			
SIR_IOPM_2	1	0	0	0 43	0				
SIR_IOPN1B SIR_IOPN_2	15	0	2	0	0				
SIR_IOPR1B	0	0	0	102	6 0				
SIR_IOPR_2	3	O	I	U	U				
Product Type SIR IOP 2	IOHHMOOR 17	MVIOEPFDNCDF 29	MVIOEPNCDF 29	MVIONCDF 5	RBSZOPOEF	PFDNCDF	RBSZOPOEPFDP	LRMNCCRB	SZOPOEPNCDF
	•				29		16		
Duncher 4 T	DDEDOREDDI PROMINOS				29	ICDE	16	29	
Product Type SIR_IOP_2_	RPEPOPFDPLRMSINNCD		RPEPOPSINNCDF 22	RSSBCONCDF 23	RSSHAOFDN 29	NCDF	16  RSSHAOFDPLRM 18	29	SHAONCDF
SIR_IOP_2_		RPEPOPFDSINNCDF 29	RPEPOPSINNCDF 22	RSSBCONCDF 23	RSSHAOFD	NCDF	RSSHAOFDPLRM	29 INCDF RS	SHAONCDF
	16	RPEPOPFDSINNCDF	RPEPOPSINNCDF 22	RSSBCONCDF	RSSHAOFD	NCDF	RSSHAOFDPLRM	29 INCDF RS	SHAONCDF
SIR_IOP_2_ Product Type	16 RSWHOEPFDNCDF	RPEPOPFDSINNCDF 29 RSWHOEPFDPLRMNCDF	RPEPOPSINNCDF 22  RSWHOEPNCDF	RSSBCONCDF 23 SPHLPQWNCDF	RSSHAOFD	NCDF	RSSHAOFDPLRM	29 INCDF RS	SHAONCDF
SIR_IOP_2  Product Type  SIR_IOP_2	16 RSWHOEPFDNCDF	RPEPOPFDSINNCDF 29 RSWHOEPFDPLRMNCDF	RPEPOPSINNCDF 22  RSWHOEPNCDF	RSSBCONCDF 23 SPHLPQWNCDF	RSSHAOFD	NCDF	RSSHAOFDPLRM	29 INCDF RS	SHAONCDF
SIR_IOP_2  Product Type SIR_IOP_2  Product Type	RSWHOEPFDNCDF 29	RPEPOPFDSINNCDF 29 RSWHOEPFDPLRMNCDF	RPEPOPSINNCDF 22  RSWHOEPNCDF	RSSBCONCDF 23 SPHLPQWNCDF	RSSHAOFD	ICDF	RSSHAOFDPLRM	29 INCDF RS	SHAONCDF
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key:	RSWHOEPFDNCDF 29	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF	RSSBCONCDF 23  SPHLPQWNCDF 29  - Details	RSSHAOFDN 29		RSSHAOFDPLRM 18	29   INCDF   RS   27   -   -	SHAONCDF
SIR_IOP_2  Product Type  SIR_IOP_2  Product Type  SIR_IOP_2  Fest Description Key: Abbreviation  BCSHNCDF	RSWHOEPFDNCDF 29  - Test name BurstCounterStep20HzNetG	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF	RSSBCONCDF 23  SPHLPQWNCDF 29  Details  The burst counter should be	RSSHAOFDN 29	ith regard to the	RSSHAOFDPLRM 18	29 INCDF RS 27	SHAONCDF
SIR_IOP_2  Product Type  SIR_IOP_2  Product Type  SIR_IOP_2  Fest Description Key: Abbreviation  BCSHNCDF	RSWHOEPFDNCDF 29  - Test name BurstCounterStep20HzNet0 MissingValueIntOceanExclusion	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF	RSSBCONCDF 23  SPHLPQWNCDF 29  Details The burst counter should be a 're	RSSHAOFDN 29	ith regard to the	RSSHAOFDPLRM 18	29 INCDF RS 27	SHAONCDF  O and 70 degrees
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF MVIOEPFDNCDF	Test name BurstCounterStep20HzNetd MissingValueIntOceanExclt	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF	RSSBCONCDF 23  SPHLPQWNCDF 29  Details  The burst counter should be a 'r The value should not be a 'r	RSSHAOFDN 29	ith regard to the for surface type for surface type	RSSHAOFDPLRM  18  -  -  -  -  -  -  -  -  -  -  -  -  -	29 INCDF RS 27	SHAONCDF  O and 70 degrees
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF  MVIOEPFDNCDF  MVIOEPNCDF  MVIOEPNCDF	Test name BurstCounterStep20HzNet0 MissingValueIntOceanExclt MissingValueIntOceanNetO	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29  Details  The burst counter should be a 'r  The value should not be a 'r  The value should not be a 'r	RSSHAOFDN 29	ith regard to the for surface type for surface type for surface type	RSSHAOFDPLRM 18	29 INCDF RS 27	SHAONCDF  O and 70 degrees  O and 70 degrees
SIR_IOP_2  Product Type  SIR_IOP_2  Product Type  SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF  MVIOEPFDNCDF  MVIOEPNCDF  MVIOCDF  MVIOCDF  MVIOCDF  MVIOCDF	Test name BurstCounterStep20HzNet0 MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanExclu	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29  Details  The burst counter should be a 'r The value should not be a 'r The value should not be a 'r The backscatter sigma zero between -70 and 70 degree	RSSHAOFDN 29	ith regard to the for surface type for surface type for surface type ween 700 and	e previous burst cou e o only for latitudes e o only 7500 (or missing) fo	29 INCDF RS 27	SHAONCDF  D and 70 degrees  D and 70 degrees  D and 70 degrees
SIR_IOP_2  Product Type  SIR_IOP_2  Product Type  SIR_IOP_2  Product Type  SIR_IOP_2  Fest Description Key: Abbreviation  BCSHNCDF  WVIOEPFDNCDF  WVIOEPRCDF  WVIONCDF  RBSZOPOEPFDNCDF  RBSZOPOEPFDPLRM  NCDF	Test name BurstCounterStep20HzNet( MissingValueIntOceanExclt MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29	e one higher wimissing value' missing value' should be bet should be bet s	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and	e previous burst cou only for latitudes only only for missing) for formsing) for formsing) for	29 INCDF RS 27	D and 70 degrees
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF MVIOEPFDNCDF MVIOEPFDNCDF MVIOEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDPLRM NCDF	Test name BurstCounterStep20HzNetd MissingValueIntOceanExclt MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29  Details  The burst counter should be a 'r The value should not be a 'r The value should not be a 'r The value should not be a 'r The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree between -70 and 70 degree	e one higher wimissing value' should be bets should be bets should be bets should be bets	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and ween 700 and	e previous burst cou o only for latitudes o only 7500 (or missing) fo	29 INCDF RS 27	D and 70 degrees D and 70 degrees D and 70 degrees Dee = ocean for latitude Dee = ocean for latitude
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF  MVIOEPFDNCDF  MVIOEPFDNCDF  MVIONCDF  RBSZOPOEPFDNCDF  RBSZOPOEPFDPLRM RCDF  RBSZOPOEPNCDF  RPEPOPFDLRMNCDF	Test name BurstCounterStep20HzNet0 MissingValueIntOceanExclu MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePackinessExcludingf	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29	e one higher we missing value' missing value' should be bet s should be bet s etween 0 and 6	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and ween 700 and	e previous burst cou o only for latitudes o only 7500 (or missing) fo 7500 (or missing) fo 7500 (or missing) fo	29 INCDF RS 27	D and 70 degrees
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF  MVIOEPFDNCDF  MVIOEPFDNCDF  MVIONCDF  RBSZOPOEPFDNCDF  RBSZOPOEPFDPLRM  MCDF  RPEPOPFDLRMNCDF  RPEPOPFDLRMSAR  MCDF  RPEPOPFDLRMSAR  MCDF	Test name BurstCounterStep20HzNetC MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangePeakinessExcludingf	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17  CDF  udingPolarFD2NetCDF  udingPolarNetCDF  udingPolarNetCDF  roOPOceanExcludingPolarF  roOPOceanExcludingPolarF  roOPOceanExcludingPolarNetCDF  roOPOceanExcludingPolarNetCDF PolarOPFD2LRMNetCDF	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29	e one higher wimissing value' missing value' should be bet s should be bet s should be bet s etween 0 and 6 etween 0 and 6	ith regard to the for surface type for surface type ween 700 and ween 700 and ween 700 and 3400 (or missin 15000 (or missin	e previous burst cou e o only for latitudes e o only 7500 (or missing) fo	unter s between -7(s between -7(s between -7(s cor surface typer or surface typer surf	D and 70 degrees D and
SIR_IOP_2  Product Type  SIR_IOP_2  Product Type  SIR_IOP_2  Product Type  SIR_IOP_2  Fest Description Key: Abbreviation  3CSHNCDF  MVIOEPFDNCDF  MVIOEPFDNCDF  MVIOEPFDNCDF  RBSZOPOEPFDPLRM  MCDF  RBSZOPOEPFDPLRM  RBSZOPOEPFDPLRM  RPEPOPFDPLRMSAR  RCDF  RPEPOPFDPLRMSINN  CDF  RPEPOPFDPLRMSINN  CDF  RPEPOPFDPLRMSINN  CDF	Test name BurstCounterStep20HzNett MissingValueIntOceanExclt MissingValueIntOceanExclt MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingt RangePeakinessExcludingt RangePeakinessExcludingt	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29  The burst counter should be a 'r The value should not be a 'r The value should not be a 'r The value should not be a 'r The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be be and 70 degrees	e one higher wimissing value' missing value' should be bet should be bet setween 0 and detween 0 and	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and ween 700 and 6400 (or missi 00000 (or missi	e previous burst cou e o only for latitudes e o only 7500 (or missing) fo 7500 (or missing) fo g) for surface type ng) for surface type	29 INCDF RS 27	D and 70 degrees D and 70 degrees D and 70 degrees D and 70 degrees De = ocean for latitude De = ocean for latitude atitudes between -70 latitudes between -70 latitudes between -70
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF MVIOEPFDNCDF MVIOEPFDNCDF MVIOEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDNCDF RPEPOPFDLRMNCDF RPEPOPFDLRMNCDF RPEPOPFDPLRMSAR RCDF RPEPOPFDPLRMSINNCDF	Test name BurstCounterStep20HzNett MissingValueIntOceanExclt MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17  Line CDF LidingPolarFD2NetCDF LidingPolarNetCDF LidingPolarN	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29  The burst counter should be a 'r The value should not be a 'r The value should not be a 'r The value should not be a 'r The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be be and 70 degrees	e one higher wimissing value' should be bet	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and sadou (or missin 15000 (or mis	e previous burst cou e o only for latitudes e o only 7500 (or missing) fo 7500 (or missing) fo g) for surface type ng) for surface type ng) for surface type ng) for surface type ng) for surface type	unter s between -7( s between -7( s between -7( s cor surface typ or surface typ	D and 70 degrees De = ocean for latitude
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF  MVIOEPRODF  MVIOEPRODF  MVIOEPRODF  RBSZOPOEPFDNCDF  RBSZOPOEPFDNCDF  RBSZOPOEPFDLRM  RCDF  RPEPOPFDLRMNCDF  RPEPOPFDPLRMSAR  RCDF  RPEPOPFDPLRMSINN  RCDF  RPEPOPFDPLRMSINN  RCDF  RPEPOPFDSARNCDF  RPEPOPFDSARNCDF  RPEPOPFDSINNCDF	Test name BurstCounterStep20HzNet( MissingValueIntOceanExclu MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29	RSSHAOFDN 29	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and 3400 (or missin 15000 (or missin 15000)	e previous burst cote o only for latitudes o only 7500 (or missing) for 7500 (or missing	unter  s between -7(s between -	D and 70 degrees D and
Product Type SIR_IOP_2  Produc	Test name BurstCounterStep20HzNet0 MissingValueIntOceanNet0 RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29	e one higher wimissing value' missing value' missing value' should be bet as should be bet	ith regard to the for surface type for surface type ween 700 and ween 700 and s400 (or missin 15000 (or miss	e previous burst cou e o only for latitudes e o only 7500 (or missing) fo 7500 (or missing) fo 7500 (or missing) fo 7500 (or missing) fo g) for surface type ng) for surface type	unter  s between -7( s between -7( s between -7( s cor surface typer sur	D and 70 degrees D and
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF MVIOEPFDNCDF MVIOEPFDNCDF MVIOEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDNCDF RPEPOPFDLRMNCDF RPEPOPFDLRMNCDF RPEPOPFDPLRMSAR RCDF RPEPOPFDPLRMSINNCDF	Test name BurstCounterStep20HzNett MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingt	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29  The burst counter should be a 'r The value should not be a 'r The value should not be a 'r The value should not be a 'r The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be br and 70 degrees	e one higher with missing value' missing value' should be bet should be between 0 and should be be	ith regard to the for surface type for surface type for surface type for surface type ween 700 and ween 700 and 6400 (or missin 15000 (or miss	e previous burst cou e o only for latitudes e o only 7500 (or missing) for 7500 (or missing) for g) for surface type ng) for surface type	INCOF RS 27 27 28 27 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	D and 70 degrees De = ocean for latitude De = ocean for la
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF MVIOEPFDNCDF MVIOEPFDNCDF MVIOEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDNCDF RPEPOPFDLRMNCDF RPEPOPFDLRMNCDF RPEPOPFDPLRMSINNCDF RPEPOPFDSARNCDF RPEPOPFDSINNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF	Test name BurstCounterStep20HzNett MissingValueIntOceanExclt MissingValueIntOceanExclt MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17  CDF  IdingPolarFD2NetCDF  IdingPolarNetCDF  IdingPolarOPFD2PLRMSINNetCDF  IdingPolarOPFD2SINNetCDF  IdingPolarOPFD2SINNetCDF  IdingPolarOPSARNetCDF  IdingPolarOPSARNetCDF  IdingPolarOPSARNetCDF  IdingPolarOPSARNetCDF  IdingPolarOPSARNetCDF  IdingPolarOPSARNetCDF  IdingPolarOPSINNetCDF  IdingPolarOPSINNetCDF  IdingPolarOPSINNetCDF  IdingPolarOPSINNetCDF  IdingPolarOPSINNetCDF  IdingPolarOPSINNetCDF  IdingPolarOPSINNetCDF	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	Passbook DF  23  SPHLPQWNCDF  29	RSSHAOFDN 29	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and sadou (or missin 15000 (or mis	e previous burst cou e previous burst cou e o only for latitudes e o only for latitudes e o only 7500 (or missing) fo 7500 (or missing) fo g) for surface type ng) for surface type	proper surface type or surface	D and 70 degrees D altitudes between -70 latitudes be
Product Type SIR_IOP_2  Produc	Test name BurstCounterStep20HzNet0 MissingValueIntOceanExclt MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17  CDF  IdingPolarFD2NetCDF  IdingPolarFD2NetCDF  IdingPolarNetCDF  IdingPolarOPFD2SARNetCDF  IdingPolarOPFD2SINNetCDF  IdingPolarOPSARNetCDF  IdingPolarOPSARNetCDF  IdingPolarOPSARNetCDF  IdingPolarOPSARNetCDF  IdingPolarOPSARNetCDF  IdingOPSARNetCDF  IdingOPS	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29	e one higher with missing value's missing value's should be bet a should be bet at ween 0 and 6 setween 0 and	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and 3400 (or missin 15000 (or miss	e previous burst cou e o only for latitudes e o only for latitudes e o only 7500 (or missing) fo 7500 (or missing) fo g) for surface type ng) for surface type	unter  between -70  s between -70  s strace typer surface typer surface typer surface typer eccan for late eccan for late eccan for ecca	D and 70 degrees D altitudes between -70 latitudes latitude
Product Type SIR_IOP_2 Product Type Pr	Test name BurstCounterStep20HzNetc MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangeSeaStateBiasCorrect RangeSeaSurfaceHeightAr	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29	RSSHAOFDN 29	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and successful for missin 15000 (or missin 15000 (o	e previous burst cou e o only for latitudes e o only for latitudes e o only 7500 (or missing) fo 7500 (or missing) fo 7500 (or missing) fo 7500 (or missing) fo g) for surface type ng) for surface type	unter  s between -7(s between -	D and 70 degrees D acceptable D and 70 degrees D and 70 degrees D and 70 degrees D and 70 degrees D altitudes D acceptable D acceptabl
Product Type SIR_IOP_2  Produc	Test name BurstCounterStep20HzNet0 MissingValueIntOceanNet0 RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangeSeaStateBiasCorrect RangeSeaStateBiasCorrect	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	RSSBCONCDF 23  SPHLPQWNCDF 29	e one higher with missing value	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and 3400 (or missin 15000 (or miss	e previous burst cou e o only for latitudes e o only 7500 (or missing) fo 7500 (or missing) fo g) for surface type ng) for surface type	INCOF RS 27  Incorporate type or surface type	D and 70 degrees D altitudes D a
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  est Description Key: bbreviation CSHNCDF  IVIOEPFDNCDF IVIOEPFDPFDLRMNCDF IVIOEPFDPFDNRMCDF IVIOEPFDPFDSARNCDF IVIOEPPOPFDRMNCDF IVIOEPPOPSARNCDF IVIOEPP	Test name BurstCounterStep20HzNett MissingValueIntOceanExclt MissingValueIntOceanExclt MissingValueIntOceanExclt MissingValueIntOceanExclt MissingValueIntOceanExclt MissingValueIntOceanExclt MissingValueIntOceanExclt RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAr	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF  22  RSWHOEPNCDF  15	Petails  The burst counter should be a 'r  The value should not be a 'r  The backscatter sigma zero  between -70 and 70 degree  The backscatter sigma zero  between -70 and 70 degree  The backscatter sigma zero  between -70 and 70 degree  The Peakiness should be be and 70 degrees  The sea surface beight anooncean  The sea surface height anooncean  The sea surface height anooncean  The sea surface height anooncean	e one higher with missing value' missing value' missing value' missing value' should be betted as should be betted and settled and	ith regard to the for surface type for surface type for surface type for surface type ween 700 and ween 700 and 3400 (or missin 15000 (or miss	e previous burst cou e o only for latitudes e o only for latitudes e o only for latitudes e o only 7500 (or missing) fo 7500 (or missing) fo g) for surface type ng) for surface	INCOF RS 27  Incorporate type or surface type	D and 70 degrees D altitudes between -70 latitudes be
Product Type SIR_IOP_2  Produc	Test name BurstCounterStep20HzNetd MissingValueIntOceanExclt MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17  CDF 17  LidingPolarFD2NetCDF LidingPolarNetCDF LidingPolarNe	RPEPOPSINNCDF  22  RSWHOEPNCDF  15	Petails  The burst counter should be a 'r The value should not be a 'r The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be be and 70 degrees The sea state bias correction The sea surface height anooncean The sea surface height anooncean The sea surface height anooncean	RSSHAOFDN 29	ith regard to the for surface type for surface type for surface type for surface type ween 700 and ween 700 and 3400 (or missin 15000 (or miss	e previous burst cou e o only for latitudes e o only for latitudes e o only for latitudes e o only 7500 (or missing) fo 7500 (or missing) fo g) for surface type ng) for surface	INCOF RS 27  Incorporate type or surface type	D and 70 degrees D altitudes between -70 latitudes be
Product Type SIR_IOP_2  PRODUCT PRODUC	Test name BurstCounterStep20HzNett MissingValueIntOceanExclt MissingValueIntOceanExclt MissingValueIntOceanExclt MissingValueIntOceanExclt MissingValueIntOceanExclt MissingValueIntOceanExclt MissingValueIntOceanExclt RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAr	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17  CDF 17  LidingPolarFD2NetCDF LidingPolarNetCDF LidingPolarNe	RPEPOPSINNCDF  22  RSWHOEPNCDF  15	PHLPQWNCDF  29	e one higher with missing value' mis	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and sadou (or missin 15000 (or mis	e previous burst cou e previous burst cou e o only for latitudes e o only for latitudes e o only 7500 (or missing) fo 7500 (or missing) fo 7500 (or missing) fo g) for surface type ing) for surface t	unter  s between -7( s between	SHAONCDF  D and 70 degrees D alatitudes between -70 latitudes betwee
Product Type SIR_IOP_2  Produc	Test name BurstCounterStep20HzNet0 MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17  CDF 17  LidingPolarFD2NetCDF LidingPolarNetCDF LidingPolarNe	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	Petails  The value should not be a 'r The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be be and 70 degrees The sea surface height anoi ocean The sea surface height anoi ocean The significant wave height latitudes between -70 and 7 The significant wave height latitudes between -70 and 7 The significant wave height	e one higher with missing value' should be bet of degrees should be bet of degrees should be bet of the sho	ith regard to the for surface type for surface type for surface type for surface type ween 700 and ween 700 and ween 700 and 5400 (or missin 15000 (or missin 1	a previous burst cou- a previous burst cou- a o only for latitudes a o only for latitudes a o only for latitudes a o only 7500 (or missing) for 7500 (or missing) for 7500 (or missing) for g) for surface type ng) for sur	unter  s between -70 s between -70 s between for large expension of la	D and 70 degrees D altitudes between -70 Latitudes be
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF  AVIOEPFDNCDF  AVIOEPFDNCDF  AVIOEPFDNCDF  RESZOPOEPFDNCDF  RESZOPOEPFDNCDF  REPEPOPFDLRMNCDF  REPEPOPFDLRMNCDF  REPEPOPFDLRMSINN DF  REPEPOPFDSARNCDF  REPEPOPFDSARNCDF  REPEPOPFDSARNCDF  REPEPOPSARNCDF  REPEPOPSARNCDF  REPEPOPSARNCDF  RESSBCONCDF  RESSHAOFDNCDF  RESWHOEPFDNCDF  RESWHOEPFDNCDF	Test name BurstCounterStep20HzNet0 MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	PHLPQWNCDF  29  Petails  The burst counter should be a 're the value should not be a 're the value should be be value of the value of the value should be be value of the va	e one higher with missing value' missing value' missing value' missing value' missing value' should be bet maly should be maly should be bet of degrees should be degrees	ith regard to the for surface type for surface type for surface type for surface type ween 700 and ween 700 and ween 700 and 5400 (or missin 15000 (or missin 1	a previous burst cou- a previous burst cou- a o only for latitudes a o only for latitudes a o only for latitudes a o only 7500 (or missing) for 7500 (or missing) for 7500 (or missing) for g) for surface type ng) for sur	unter  s between -70 s between -70 s between for large expension of la	D and 70 degrees D altitudes between -70 Latitudes be
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF  AVIOEPFDNCDF  AVIOEPFDNCDF  AVIOEPFDNCDF  RESZOPOEPFDNCDF  RESZOPOEPFDNCDF  RESZOPOEPFDLRMNCDF  REPEPOPFDLRMNCDF  REPEPOPFDLRMSRN COPE REPEPOPFDRANCDF  REPEPOPFDSARNCDF  REPEPOPFDSARNCDF  REPEPOPSARNCDF  REPEPOPSARNCDF  REPEPOPSARNCDF  RESSHAOFDNCDF  RESSHAOFDNCDF  RESSHAOFDNCDF  RESSHAOFDNCDF  RESSHAOFDNCDF  RESSHAOFDPLRMNCDF  RESWHOEPFDNCDF  RESWHOEPFDPLRMNCDF  RESWHOEPFDRCDF	Test name BurstCounterStep20HzNetc MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSeaSurfaceHeightAr RangeSignificantWaveHeig RangeSignificantWaveHeig	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	PHLPQWNCDF  29  Petails  The burst counter should be a 'recompany of the season of the	e one higher with missing value' mis	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and ween 700 and 3400 (or missin 15000 (or missin 1	e previous burst cou e o only for latitudes e o only for latitudes e o only for latitudes e o only 7500 (or missing) fo 7500 (or missing) fo 7500 (or missing) fo g) for surface type ng) for surface	INCOF RS 27 27 28 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	SHAONCDF  D and 70 degrees  D altitudes between -70  Latitudes between -70  Latitude
SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Product Type SIR_IOP_2  Fest Description Key: Abbreviation BCSHNCDF MVIOEPFDNCDF MVIOEPFDNCDF MVIOEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDNCDF RPEPOPFDLRMNCDF RPEPOPFDLRMNCDF RPEPOPFDPLRMSINNCDF RPEPOPFDSINNCDF RPEPOPFDSINNCDF RPEPOPSINNCDF RSSBCONCDF RSSBCONCDF RSSHAOFDNCDF RSSHAOFDNCDF RSSHAOFDNCDF RSSHAOFDPLRMNCDF	Test name BurstCounterStep20HzNetC MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangeSeaStateBiasCorrect RangeSeaStateBiasCorrect RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSeaSurfaceHeightAn RangeSignificantWaveHeig RangeSignificantWaveHeig RangeSignificantWaveHeig RangeSignificantWaveHeig	RPEPOPFDSINNCDF 29  RSWHOEPFDPLRMNCDF 17	RPEPOPSINNCDF 22  RSWHOEPNCDF 15	Petails  The burst counter should be a 'r The value should not be a 'r The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be brand 70 degrees The sea surface height anorocean The sea surface height anorocean The significant wave height latitudes between -70 and 7 The significant wave height latitudes between -70 and 7 The significant wave height latitudes between -70 and 7 The significant wave height latitudes between -70 and 7 Rel_Time_ASC_Node_Stop	e one higher wimissing value' missing value' should be bet should be bet setween 0 and detween 0 and	ith regard to the for surface type for surface type for surface type ween 700 and ween 700 and sadou (or missin 15000 (or mis	e previous burst cou e previous burst cou e o only for latitudes e o only for latitudes e o only 7500 (or missing) fo 7500 (or missing) fo 7500 (or missing) fo g) for surface type ing) for surface t	INCOF RS 27  Incorporation of the second for surface type or surface o	SHAONCDF  D and 70 degrees  D altitudes between -70  Latitudes between -70  Latitude

# 7.3 Missing QCC Reports

Number of products with missing QCC reports:

0