

1. Overview

Report Production:	22-Apr-2021	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

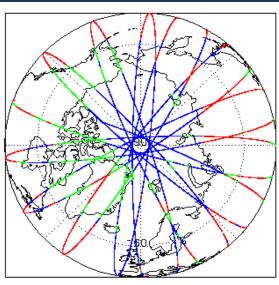
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary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

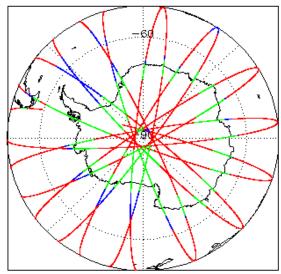
23-Mar-2021 Due to Orbit Control Manoeuvre, SIRAL unavailability on 23/02/2021 from 19:27:58 UTC to 20:24:54 UTC

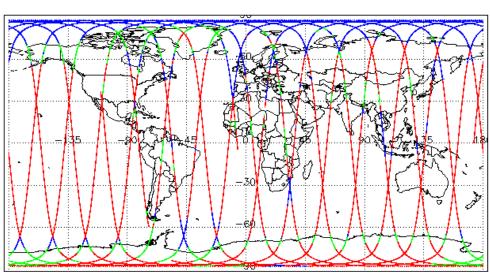
24-Mar-2021 None

25-Mar-2021 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. GOP 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 GOPR and GOPN 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.

Number of products with errors:

Ω

0

4.5 L1B Measurement Confidence Data Check

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

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

Number of products with errors:

1

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20210324T030424_20210324T031416_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

16

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20210324T000532_20210324T001019_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210324T002127_20210324T002430_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210324T020231_20210324T020330_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210324T034030_20210324T034245_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210324T044439_20210324T044542_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210324T061637_20210324T061836_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210324T084428_20210324T084456_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210324T152337_20210324T152605_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210324T183349_20210324T183407_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210324T183951_20210324T184427_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210324T214042_20210324T214247_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20210324T215240_20210324T215329_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210324T033206_20210324T033350_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210324T120612_20210324T121339_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210324T152823_20210324T153106_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20210324T215329_20210324T220116_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP 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:

5.2 L2 Product Header Analysis

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

Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

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

Number of products with errors: 54	T4 F-11-4	December
Product CS_OFFL_SIR_GOPM_2_20210324T085500_20210324T085507_C001	Test Failed Mean Dynamic Topography (1)	Description There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20210324T183049_20210324T183103_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20210324T183103_20210324T183106_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T002127_20210324T002430_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T011908_20210324T012045_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T020231_20210324T020330_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T025646_20210324T025856_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T034030_20210324T034245_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T042705_20210324T042851_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T051711_20210324T052110_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T061637_20210324T061836_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T101239_20210324T101506_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20210324T110516_20210324T110642_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T111153_20210324T111457_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) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20210324T124543_20210324T124840_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T125056_20210324T125615_C001	GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T134151_20210324T134609_C001	GPD Wet Tropospheric Correction, Inverse Barometric Correction, 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) and the Mean Dynamic Topography height (solution 1), the Inverse barometric correction, and GPD wet tropospheric correction, the Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20210324T142533_20210324T142807_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T152045_20210324T152158_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T152337_20210324T152605_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T155829_20210324T155930_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T160035_20210324T160630_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T170008_20210324T170230_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T174250_20210324T174442_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T183951_20210324T184427_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T192230_20210324T192408_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T210223_20210324T210607_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T224156_20210324T224512_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T225025_20210324T225148_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20210324T233246_20210324T233338_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_GOPR_2_20210324T002430_20210324T003216_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T020330_20210324T020913_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T034245_20210324T034817_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T052111_20210324T052633_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T065934_20210324T070936_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T083652_20210324T083917_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T083917_20210324T084427_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T085508_20210324T085533_C001	Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20210324T101548_20210324T102241_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T102242_20210324T102548_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T115429_20210324T120142_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T120143_20210324T120356_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T133615_20210324T134037_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T134038_20210324T134150_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T151412_20210324T151905_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T151906_20210324T152045_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T165356_20210324T170008_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T183533_20210324T183951_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T200937_20210324T202118_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T215329_20210324T220116_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20210324T233338_20210324T234400_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210324T030424_20210324T031416_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210323T235746_20210324T000350_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_GOPM_2_20210324T003453_20210324T010827_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 OFFE SIR GOPM 2 202103241011601 202103241011908 C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

Allouse Represent Security County One Afference Fings, 50% (ASS) One Afference Fings, 50% (A	CS_OFFL_SIR_GOPM_2_20210324T012149_20210324T012346_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
Decoration Court Decoration		,	
Backgrown Carbon Security Committed (1997) Security	CS_OFFL_SIR_GOPM_2_20210324T012640_20210324T015726_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OPT_SR_0OPM_2_7671034T10710_701634T10710_701 CB_OPT_SR_0OPM_2_7671034T10710_701634T10710316_001 CB_OPT_SR_0OPM_2_7671034T107103_701634T10710316_001 CB_OPT_SR_0OPM_2_7671034T107103_701634T10710316_001 CB_OPT_SR_0OPM_2_7671034T107103_701634T10710316_001 CB_OPT_SR_0OPM_2_7671034T107103_701634T10710316_001 CB_OPT_SR_0OPM_2_7671034T107103_701634T10710316_001 CB_OPT_SR_0OPM_2_7671034T107103_701634T10710316_001 CB_OPT_SR_0OPM_2_7671034T107103_701634T10710316_001 CB_OPT_SR_0OPM_2_7671034T107103_701634T10710316_001 CB_OPT_SR_0OPM_2_7671034T1071034_001 CB_OPT_SR_0OPM_2_7671034T10	CS_OFFL_SIR_GOPM_2_20210324T015910_20210324T020054_C001		
Sec. CPFL_SRI, GOPM_2_70210041193891_7021041004992 CIDIT	CS_OFFL_SIR_GOPM_2_20210324T021710_20210324T022523_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_DFF_SR_QOPM_2_2021034T05402_2021024T05439_COID CS_DFF_SR_QOPM_2_2021034T05403_2021024T05439_COID CS_DFF_SR_QOPM_2	CS_OFFL_SIR_GOPM_2_20210324T022733_20210324T023054_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Indicated to Justing GR_CPFL_SIR_COPM_2_70216324103042_20210324103416_CDDI GR_CPFL_SIR_COPM_2_20216324103043_20210324103416_CDDI GR_CPFL_SIR_COPM_2_20216324103043_20210324104144_CDDI GR_CPFL_SIR_COPM_2_20216324104043_20210324104144_CDDI GR_CPFL_SIR_COPM_2_20216324104043_20210324104144_CDDI GR_CPFL_SIR_COPM_2_20216324104043_20210324104144_CDDI GR_CPFL_SIR_COPM_2_20216324104043_20210324104144_CDDI GR_CPFL_SIR_COPM_2_20216324104043_20210324104144_CDDI GR_CPFL_SIR_COPM_2_20216324104043_20210324104144_CDDI GR_CPFL_SIR_COPM_2_20216324104043_20210324104148_CDDI GR_CPFL_SIR_COPM_2_20216324104043_20210324104148_CDDI GR_CPFL_SIR_COPM_2_20216324104043_20210324104148_CDDI GR_CPFL_SIR_COPM_2_20216324104043_2021032410418_CDDI GR_CPFL_SIR_COPM_2_20216324104043_2021032410418_CDDI GR_CPFL_SIR_COPM_2_20216324104043_2021032410418_CDDI GR_CPFL_SIR_COPM_2_20216324104043_2021032410418_CDDI GR_CPFL_SIR_COPM_2_20216324104043_2021032410418_CDDI GR_CPFL_SIR_COPM_2_20216324104043_2021032410418_CDDI GR_CPFL_SIR_COPM_2_20216324104043_2021032410418_CDDI GR_CPFL_SIR_COPM_2_20216324104043_2021032410418_CDDI GR_CPFL_SIR_COPM_2_20216324104043_2021032410418_CDDI GR_CPFL_SIR_COPM_2_202163241054033_2021032410418_CDDI GR_CPFL_SIR_COPM_2_202163241054033_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241061041_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241061041_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241061041_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241061041_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241061041_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241061041_202103241061932_CDDI GR_CPFL_SIR_COPM_2_202163241061041_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241061041_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241061041_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241061041_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241061041_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241061041_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241076031_2021032410618_CDDI GR_CPFL_SIR_COPM_2_202163241076031_2021032410618_CD	CS_OFFL_SIR_GOPM_2_20210324T023056_20210324T024751_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
68_OFFL_SR_GOPM_2_20210324T05045_20210324T05046_C001 C8_OFFL_SR_GOPM_2_20210324T05085_20210324T05046_C001 C8_OFFL_SR_GOPM_2_20210324T05085_20210324T04046_C001 C8_OFFL_SR_GOPM_2_20210324T04046_20210324T04046_C001 C8_OFFL_SR_GOPM_2_20210324T04141M_20210324T04046_C001 C8_OFFL_SR_GOPM_2_20210324T04046_20210324T04046_C001 C8_OFFL_SR_GOPM_2_20210324T04141M_20210324T04408_C001 C8_OFFL_SR_GOPM_2_20210324T04046_20210324T040408_C001 C8_OFFL_SR_GOPM_2_20210324T040408_20210324T040408_C001 C8_OFFL_SR_GOPM_2_20210324T040408_20210324T040408_C001 C8_OFFL_SR_GOPM_2_20210324T04408_20210324T040408_C001 C8_OFFL_SR_GOPM_2_20210324T040408_20210324T040408_C001 C8_OFFL_SR_GOPM_2_20210324T040408_20210324T050408_C001 C8_OFFL_SR_GOPM_2_20210324T050408_20210324T050408_C001 C8_OFFL_SR_GOPM_2_20210324T050408_20210324T0	CS_OFFL_SIR_GOPM_2_20210324T024932_20210324T025439_C001		
CS_OFFL_SR_GOPM_2_2011034T05342_2011034T04104_001 CS_OFFL_SR_GOPM_2_2011034T04104_2011034T04104_001 CS_OFFL_SR_GOPM_2_2011034T04104_2011034T040540_001 CS_OFFL_SR_GOPM_2_2011034T04104_2011034T040540_001 CS_OFFL_SR_GOPM_2_2011034T04104_2011034T040540_001 CS_OFFL_SR_GOPM_2_2011034T04104_2011034T040540_001 CS_OFFL_SR_GOPM_2_2011034T04104_2011034T040540_001 CS_OFFL_SR_GOPM_2_2011034T04104_2011034T040540_001 CS_OFFL_SR_GOPM_2_2011034T04104_2011034T040534_001 CS_OFFL_SR_GOPM_2_2011034T040404_2011034T040534_001 CS_OFFL_SR_GOPM_2_2011034T040404_2011034T040534_001 CS_OFFL_SR_GOPM_2_2011034T040404_2011034T040430_001 CS_OFFL_SR_GOPM_2_2011034T040404_2011034T040400_001 CS_OFFL_SR_GOPM_2_2011034T040404_2011004104040001 CS_OFFL_SR_GOPM_2_2011034T040404_2011004104040001 CS_OFFL_SR_GOPM_2_2011034T040404_20110014040001001 CS_OFFL_SR_GOPM_2_2011034T040404_20110014040001001 CS_OFFL_SR_GOPM_2_2011034T040404_20110014040001001 CS_OFFL_SR_GOPM_2_2011034T040404_20110014040001001 CS_OFFL_SR_GOPM_2_2011034T040404_20110014040001001 CS_OFFL_SR_GOPM_2_2011034T040404_2011001404001001 CS_OFFL_SR_GOPM_2_2011034T040404_20110014040001001 CS_OFFL_SR_GOPM_2_2011034T040404_20110014001001001001001001001001001001001	CS_OFFL_SIR_GOPM_2_20210324T030424_20210324T031416_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the COCG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_QOPM_2_20210324T04104_22010324T042654_C001 CS_OFFL_SIR_QOPM_2_20210324T04104_22010324T043551_C001 CS_OFFL_SIR_QOPM_2_20210324T04304_22010324T043551_C001 CS_OFFL_SIR_QOPM_2_20210324T04304_22010324T043554_C001 CS_OFFL_SIR_QOPM_2_20210324T04304_22010324T043554_C001 CS_OFFL_SIR_QOPM_2_20210324T04304_22010324T043554_C001 CS_OFFL_SIR_QOPM_2_20210324T04304_22010324T043554_C001 CS_OFFL_SIR_QOPM_2_20210324T04304_22010324T043554_C001 CS_OFFL_SIR_QOPM_2_20210324T04304_22010324T043554_C001 CS_OFFL_SIR_QOPM_2_20210324T04304_22010324T050413_C001 CS_OFFL_SIR_QOPM_2_20210324T04304_22010324T050413_C001 CS_OFFL_SIR_QOPM_2_20210324T04304_22010324T050413_C001 CS_OFFL_SIR_QOPM_2_20210324T050413_C001 CS_OFFL_SIR_QOPM_2_20210324T050413_C0010 CS_OFFL_SIR_QOPM_2_20210324T050413_C0010 CS_OFFL_SIR_QOPM_2_20210324T050413_C0010324T050512_C001 CS_OFFL_SIR_QOPM_2_20210324T070505_20210324T070555_C001 CS_OFFL_SIR_QOPM_2_20210324T07101_22210324T061031_C001 CS_OFFL_SIR_QOPM_2_20210324T07101_22210324T076556_C001 CS_OFFL_SI	CS_OFFL_SIR_GOPM_2_20210324T032035_20210324T033205_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscarler Quality CCOG Altimeter Range and Backscarler Quality Flags have been set for one or noise records. CS_OFFL_SIR_GOPM_2_20210324T042851_20210324T043351_C001 CS_OFFL_SIR_GOPM_2_20210324T042851_20210324T04439_C001 CS_OFFL_SIR_GOPM_2_20210324T0429_20210324T04439_C001 CS_OFFL_SIR_GOPM_2_20210324T04429_20210324T04439_C001 CS_OFFL_SIR_GOPM_2_20210324T04429_20210324T04439_C001 CS_OFFL_SIR_GOPM_2_20210324T04429_20210324T04439_C001 CS_OFFL_SIR_GOPM_2_20210324T04439_C001 CS_OFFL_SIR_GOPM_2_20210324T04033_C01034T04433_C001 CS_OFFL_SIR_GOPM_2_20210324T06433_C01034T04433_C001 CS_OFFL_SIR_GOPM_2_20210324T064039_C01034T04433_C001 CS_OFFL_SIR_GOPM_2_20210324T064039_C0210324T06433_C001 CS_OFFL_SIR_GOPM_2_20210324T064039_C0210324T07693_C001 CS_OFFL_SIR_GOPM_2_20210324T070098_C0210324T071095_C001 CS_OFFL_SIR_GOPM_2_20210324T070098_C0210324T071095_C001 CS_OFFL_SIR_GOPM_2_20210324T07109_C0210324T071095_C001 CS_OFFL_SIR_GOPM_2_20210324T07109_C0210324T071095_C001 CS_OFFL_SIR_GOPM_2_20210324T07109_C0210324T071095_C001 CS_OFFL_SIR_GOPM_2_20210324T07109_C0210324T071095_C001 CS_OFFL_SIR_GOPM_2_20210324T07109_C0210324T071095_C001 CS_OFFL_SIR_GOPM_2_20210324T07109_C0210324T071095_C001 CC_OGA Minneter Range_Cuality, CCCC Backscarler Cuality CCCC Backscarle	CS_OFFL_SIR_GOPM_2_20210324T035842_20210324T041024_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210324T043432_20210324T043534_C001 CS_OFFL_SIR_GOPM_2_20210324T044229_20210324T044359_C001 CS_OFFL_SIR_GOPM_2_20210324T044239_20210324T050413_C001 CS_OFFL_SIR_GOPM_2_20210324T044543_20210324T050413_C001 CS_OFFL_SIR_GOPM_2_20210324T044543_20210324T050413_C001 CS_OFFL_SIR_GOPM_2_20210324T044543_20210324T050413_C001 CS_OFFL_SIR_GOPM_2_20210324T053418_20210324T050413_C001 CS_OFFL_SIR_GOPM_2_20210324T053418_20210324T050413_C001 CS_OFFL_SIR_GOPM_2_20210324T053418_20210324T050413_C001 CS_OFFL_SIR_GOPM_2_20210324T054003_20210324T050413_C001 CS_OFFL_SIR_GOPM_2_20210324T054003_20210324T050410_C001 CS_OFFL_SIR_GOPM_2_20210324T054003_20210324T050410_C001 CS_OFFL_SIR_GOPM_2_20210324T054003_20210324T050510_C001 CS_OFFL_SIR_GOPM_2_20210324T054003_20210324T05300_C001 CS_OFFL_SIR_GOPM_2_20210324T054003_20210324T054050_C001 CS_OFFL_SIR_GOPM_2_20210324T054003_20210324T054500_C001 CS_OFFL_SIR_GOPM_2_20210324T054011_20210324T054530_C001 CS_OFFL_SIR_GOPM_2_20210324T054011_20210324T054530_C001 CS_OFFL_SIR_GOPM_2_20210324T054011_20210324T054530_C001 CS_OFFL_SIR_GOPM_2_20210324T054011_20210324T054530_C001 CS_OFFL_SIR_GOPM_2_20210324T054011_20210324T054530_C001 CS_OFFL_SIR_GOPM_2_20210324T054011_20210324T054530_C001 CS_OFFL_SIR_GOPM_2_20210324T074051_C001 CS_OFFL_SIR_GOPM_2_20210324T074051_C001 CS_OFFL_SIR_GOPM_2_20210324T074052_20210324T074558_C001 CS_OFFL_SIR_GOPM_2_20210324T074052_20210324T074558_C001 CCG_OFFL_SIR_GOPM_2_20210324T074052_20210324T074558_C001 CCG_OFFL_SIR_GOPM_2_20210324T0740530_2010324T075538_C001 CCG_OFFL_SIR_GOPM_2_20210324T0740530_C001 CCG_OFFL_SIR_GOPM_2_20210324T0740530_C001 CCG_OFFL_SIR_GOPM_2_20210324T0740530_C001 CCG_OFFL_SIR_GOPM_2_20210324T0740530_C001 CCG_OFFL_SIR_GOPM_2_20210324T0740530_C001 CCG_OFFL_SIR_GOPM_2_20210324T0740530_C001 CCG_OFFL_SIR_GOPM_2_20210324T0740540_C001 CCG_OFFL_SIR_GOPM_2_20210324T0740540_C001 CCG_OFFL_SIR_GOPM_2_20210324T0740540_C001 CCG_OFFL_SIR_GOPM_2_20210324T0740540_C001 CCG_OFFL_SIR_GOPM_2_20210324T0	CS_OFFL_SIR_GOPM_2_20210324T041204_20210324T042654_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality of one or more records. CS_OFFL_SIR_GOPM_2_20210324T04428_20210324T04443_C001 CS_OFFL_SIR_GOPM_2_20210324T044543_20210324T050413_C001 CS_OFFL_SIR_GOPM_2_20210324T04543_20210324T050413_C001 CS_OFFL_SIR_GOPM_2_20210324T04543_20210324T050413_C001 CS_OFFL_SIR_GOPM_2_20210324T054453_20210324T0504013_C001 CS_OFFL_SIR_GOPM_2_20210324T05433_20210324T0504013_C001 CS_OFFL_SIR_GOPM_2_20210324T05433_20210324T0504013_C001 CS_OFFL_SIR_GOPM_2_20210324T064033_20210324T060019_C001 CS_OFFL_SIR_GOPM_2_20210324T064033_20210324T060019_C001 CS_OFFL_SIR_GOPM_2_20210324T060031_20210324T060019_C001 CS_OFFL_SIR_GOPM_2_20210324T060031_20210324T060031_C001 CS_OFFL_SIR_GOPM_2_20210324T060031_20210324T060039_C001 CS_OFFL_SIR_GOPM_2_20210324T060031_20210324T060039_C001 CS_OFFL_SIR_GOPM_2_20210324T060031_20210324T060039_C001 CS_OFFL_SIR_GOPM_2_20210324T060031_20210324T060039_C001 CS_OFFL_SIR_GOPM_2_20210324T060031_20210324T060039_C001 CS_OFFL_SIR_GOPM_2_20210324T060031_20210324T060039_C001 CS_OFFL_SIR_GOPM_2_20210324T060031_20210324T060039_C001 CS_OFFL_SIR_GOPM_2_20210324T070038_20210324T070033_C001 CS_OFFL_SIR_GOPM_2_20210324T070038_20210324T070033_C001 CC_OCG_Altimeter Range_Coulity, CCOG_Blender Range_SAHA_SWH and Backscatter Quality Flags have been set for one or more records. CC_OCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CC_OFFL_SIR_GOPM_2_20210324T071010_20210324T070033_C001 CC_OCG_Altimeter Range_Quality, CCOG_Blender Range_Altimeter Ran	CS_OFFL_SIR_GOPM_2_20210324T042851_20210324T043351_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T054318_20210324T05420_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range Altimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T054303_20210324T06619_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T060931_20210324T064533_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T061911_20210324T064533_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T070936_20210324T070983_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T07101_20210324T071051_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T07401_20210324T075558_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Qual	CS_OFFL_SIR_GOPM_2_20210324T043432_20210324T043534_C001		
CS_OFFL_SIR_GOPM_2_20210324T05418_20210324T055420_C001 CS_OFFL_SIR_GOPM_2_20210324T05418_20210324T055420_C001 CS_OFFL_SIR_GOPM_2_20210324T05418_20210324T056420_C001 CS_OFFL_SIR_GOPM_2_20210324T05418_20210324T06619_C001 CS_OFFL_SIR_GOPM_2_20210324T054303_20210324T06619_C001 CS_OFFL_SIR_GOPM_2_20210324T066031_20210324T06619_C001 CS_OFFL_SIR_GOPM_2_20210324T066031_20210324T061309_C001 CS_OFFL_SIR_GOPM_2_20210324T060031_20210324T061309_C001 CS_OFFL_SIR_GOPM_2_20210324T061911_20210324T064533_C001 CS_OFFL_SIR_GOPM_2_20210324T071910_20210324T070953_C001 CS_OFFL_SIR_GOPM_2_20210324T071910_20210324T071051_C001 CS_OFFL_SIR_GOPM_2_20210324T071925_20210324T071953_C001 CS_OFFL_SIR_GOPM_2_20210324T071925_20210324T076528_C001 CS_OFFL_SIR_GOPM_2_20210324T071925_20210324T075224_C001 CS_OFFL_SIR_GOPM_2_20210324T0771925_20210324T075258_C001 CS_OFFL_SIR_GOPM_2_20210324T0779253_20210324T075258_C001 CS_OFFL_SIR_GOPM_2_20210324T0779253_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T077935_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075335_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075335_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075355_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075355_20210324T075558_C001	CS_OFFL_SIR_GOPM_2_20210324T044229_20210324T044439_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210324T054303_20210324T060619_C001 CS_OFFL_SIR_GOPM_2_20210324T064303_20210324T060619_C001 CS_OFFL_SIR_GOPM_2_20210324T060931_20210324T061309_C001 CS_OFFL_SIR_GOPM_2_20210324T060931_20210324T061309_C001 CS_OFFL_SIR_GOPM_2_20210324T060931_20210324T061309_C001 CS_OFFL_SIR_GOPM_2_20210324T061911_20210324T064533_C001 CS_OFFL_SIR_GOPM_2_20210324T061911_20210324T064533_C001 CS_OFFL_SIR_GOPM_2_20210324T070936_20210324T070953_C001 CS_OFFL_SIR_GOPM_2_20210324T070936_20210324T070953_C001 CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T071051_C001 CS_OFFL_SIR_GOPM_2_20210324T071012_20210324T070558_C001 CS_OFFL_SIR_GOPM_2_20210324T071925_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T077414_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T0775231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T0775231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075558_C001 COCA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T075558_C001 CCCAN Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T075558_C001 CCCAN Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCCAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CCCAN Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags hav	CS_OFFL_SIR_GOPM_2_20210324T044543_20210324T050413_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T060931_20210324T061309_C001 CS_OFFL_SIR_GOPM_2_20210324T061911_20210324T064533_C001 CS_OFFL_SIR_GOPM_2_20210324T061911_20210324T064533_C001 CS_OFFL_SIR_GOPM_2_20210324T070936_20210324T070953_C001 CS_OFFL_SIR_GOPM_2_20210324T070936_20210324T070953_C001 CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T070953_C001 CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T071051_C001 CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T074538_C001 CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T074714_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075555_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075535_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075355_20210324T075558_C001 CCG_Altimeter Range Quality, CCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_OFFL_SIR_GOPM_2_20210324T075355_20210324T075558_C001 CCG_Altimeter Range Quality, CCG_Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCG_OFFL_SIR_GOPM_2_20210324T075355_20210324T075558_C001 CCG_OFFL_SIR_GOPM_2_20210324T075355_20210324T075558_C001 CCG_OFFL_SIR_GOPM_2_20210324T075355_	CS_OFFL_SIR_GOPM_2_20210324T053418_20210324T053420_C001		
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210324T061911_20210324T064533_C001 CS_OFFL_SIR_GOPM_2_20210324T070936_20210324T070955_C001 CS_OFFL_SIR_GOPM_2_20210324T070936_20210324T070955_C001 CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T071051_C001 CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T071051_C001 CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T071051_C001 CS_OFFL_SIR_GOPM_2_20210324T071925_20210324T074538_C001 CS_OFFL_SIR_GOPM_2_20210324T071925_20210324T074538_C001 CS_OFFL_SIR_GOPM_2_20210324T074714_20210324T075224_C001 CS_OFFL_SIR_GOPM_2_20210324T074714_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T0980301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T09885615_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T09885615_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T0986615_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T0986615_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T0986615_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T0986615_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T0986615_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T0986615_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T0986615_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T0986615_20210324T0980206_C001 CS_OFFL_SIR_GOPM_2_20210324T0986615_20210324T0980206_C001	CS_OFFL_SIR_GOPM_2_20210324T054303_20210324T060619_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_GOPM_2_20210324T070936_20210324T070953_C001 CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T071051_C001 CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T071051_C001 CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T074538_C001 CS_OFFL_SIR_GOPM_2_20210324T071925_20210324T074538_C001 CS_OFFL_SIR_GOPM_2_20210324T074714_20210324T075224_C001 CS_OFFL_SIR_GOPM_2_20210324T074714_20210324T075224_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075235_20210324T083301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083001_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083001_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083001_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083001_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083001_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083001_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083001_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083001_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083001_C001 COCOA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083001_C001 COCOA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. COCOA Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083001_C001 COCOA Altimeter Range Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one	CS_OFFL_SIR_GOPM_2_20210324T060931_20210324T061309_C001		
Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T071051_C001 DCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T071925_20210324T074538_C001 CS_OFFL_SIR_GOPM_2_20210324T071925_20210324T074538_C001 CS_OFFL_SIR_GOPM_2_20210324T074714_20210324T075224_C001 DCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T074714_20210324T075224_C001 DCOG Altimeter Range Quality, OCOG Backscatter Quality DCOG Altimeter Range And Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range Quality, OCOG Backscatter Quality DCOG Altimeter Range And Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. DCOG Altimeter Range and Backscatter Quality Flags have been set for one or more re	CS_OFFL_SIR_GOPM_2_20210324T061911_20210324T064533_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210324T071925_20210324T074538_C001 CS_OFFL_SIR_GOPM_2_20210324T074714_20210324T075224_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T08301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T08301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T08301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T08301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T08301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T08301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T0800000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20210324T070936_20210324T070953_C001		
CS_OFFL_SIR_GOPM_2_20210324T071925_20210324T074538_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210324T074714_20210324T075224_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083615_20210324T090206_C001 And Backscatter Quality, OCOG Bac	CS_OFFL_SIR_GOPM_2_20210324T071010_20210324T071051_C001		
Backscatter Quality CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 CS_OFFL_SIR_GOPM_2_20210324T085615_20210324T090206_C001 CS_OFFL_SIR_GOPM_2_20210324T08	CS_OFFL_SIR_GOPM_2_20210324T071925_20210324T074538_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality for one or more records. Cs_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 Cs_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 Cs_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 Cs_OFFL_SIR_GOPM_2_20210324T085615_20210324T090206_C001 Backscatter Quality for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags have been and Backscatter Quality Fla	CS_OFFL_SIR_GOPM_2_20210324T074714_20210324T075224_C001		
CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backsca	CS_OFFL_SIR_GOPM_2_20210324T075231_20210324T075558_C001		
CS_OFFL_SIR_GOPM_2_20210324T085615_20210324T090206_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20210324T075835_20210324T083301_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20210324T085615_20210324T090206_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20210324T091904_20210324T092537_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_GOPM_2_20210324T092714_20210324T093258_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_GOPM_2_20210324T093757_20210324T101158_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_GOPM_2_20210324T103310_20210324T103418_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_GOPM_2_20210324T103739_20210324T103854_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_GOPM_2_20210324T104257_20210324T110507_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_GOPM_2_20210324T110642_20210324T111152_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_GOPM_2_20210324T111709_20210324T115151_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_GOPM_2_20210324T122149_20210324T124059_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_GOPM_2_20210324T124208_20210324T124416_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_GOPM_2_20210324T125752_20210324T132732_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_GOPM_2_20210324T134648_20210324T140532_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_GOPM_2_20210324T140609_20210324T141921_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_GOPM_2_20210324T142808_20210324T143005_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_GOPM_2_20210324T143135_20210324T143507_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_GOPM_2_20210324T143642_20210324T145227_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_GOPM_2_20210324T145429_20210324T150350_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_GOPM_2_20210324T153107_20210324T154311_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_GOPM_2_20210324T160630_20210324T160931_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_GOPM_2_20210324T160937_20210324T161409_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_GOPM_2_20210324T161557_20210324T163057_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_GOPM_2_20210324T170928_20210324T171639_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_GOPM_2_20210324T171802_20210324T174220_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_GOPM_2_20210324T174442_20210324T175308_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_GOPM_2_20210324T175518_20210324T182123_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_GOPM_2_20210324T185417_20210324T185423_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_GOPM_2_20210324T185426_20210324T192125_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_GOPM_2_20210324T192655_20210324T193111_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_GOPM_2_20210324T193412_20210324T200113_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_GOPM_2_20210324T200203_20210324T200416_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_GOPM_2_20210324T202718_20210324T210032_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_GOPM_2_20210324T210607_20210324T211150_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_GOPM_2_20210324T211307_20210324T211931_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_GOPM_2_20210324T220508_20210324T223952_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_GOPM_2_20210324T224513_20210324T225024_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_GOPM_2_20210324T225207_20210324T231152_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_GOPM_2_20210324T234400_20210325T001229_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_GOPN_2_20210324T024751_20210324T024931_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_GOPN_2_20210324T034030_20210324T034245_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_GOPN_2_20210324T051711_20210324T052110_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_GOPN_2_20210324T075558_20210324T075726_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_GOPN_2_20210324T103259_20210324T103310_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_GOPN_2_20210324T164339_20210324T164400_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_GOPN_2_20210324T170008_20210324T170230_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_GOPN_2_20210324T170804_20210324T170927_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_GOPN_2_20210324T171639_20210324T171802_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_GOPN_2_20210324T224156_20210324T224512_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_GOPR_2_20210324T010828_20210324T010845_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_GOPR_2_20210324T020929_20210324T021047_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_GOPR_2_20210324T031822_20210324T032034_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_GOPR_2_20210324T115254_20210324T115305_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_GOPR_2_20210324T121358_20210324T121441_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_GOPR_2_20210324T124417_20210324T124542_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_GOPR_2_20210324T170230_20210324T170255_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.

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20210324T001853_20210324T001933_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one o more records.
CS_OFFL_SIR_GOPN_2_20210324T002127_20210324T002430_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one o more records.
CS_OFFL_SIR_GOPN_2_20210324T011908_20210324T012045_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one o more records.
CS_OFFL_SIR_GOPN_2_20210324T015755_20210324T015910_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one omore records.
CS_OFFL_SIR_GOPN_2_20210324T020231_20210324T020330_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_GOPN_2_20210324T031416_20210324T031522_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_GOPN_2_20210324T033622_20210324T033915_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_GOPN_2_20210324T051711_20210324T052110_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_GOPN_2_20210324T053735_20210324T054121_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one o more records.
CS_OFFL_SIR_GOPN_2_20210324T060657_20210324T060930_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_GOPN_2_20210324T075558_20210324T075726_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_GOPN_2_20210324T083302_20210324T083652_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_GOPN_2_20210324T092551_20210324T092714_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_GOPN_2_20210324T101239_20210324T101506_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one omore records.
CS_OFFL_SIR_GOPN_2_20210324T101510_20210324T101547_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_GOPN_2_20210324T124543_20210324T124840_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_GOPN_2_20210324T125056_20210324T125615_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_GOPN_2_20210324T134151_20210324T134609_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_GOPN_2_20210324T143005_20210324T143135_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_GOPN_2_20210324T154311_20210324T154752_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one of more records.
CS_OFFL_SIR_GOPN_2_20210324T160035_20210324T160630_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 beer set for one or more records.

CS_OFFL_SIR_GOPN_2_20210324T164055_20210324T164306_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_GOPN_2_20210324T164943_20210324T164946_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_GOPN_2_20210324T170008_20210324T170230_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_GOPN_2_20210324T170255_20210324T170439_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_GOPN_2_20210324T170804_20210324T170927_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_GOPN_2_20210324T175308_20210324T175511_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_GOPN_2_20210324T182123_20210324T182453_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_GOPN_2_20210324T183349_20210324T183407_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_GOPN_2_20210324T184512_20210324T184634_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_GOPN_2_20210324T185024_20210324T185233_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_GOPN_2_20210324T192530_20210324T192655_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_GOPN_2_20210324T193111_20210324T193403_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_GOPN_2_20210324T202118_20210324T202718_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_GOPN_2_20210324T210223_20210324T210607_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_GOPN_2_20210324T212842_20210324T213216_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_GOPN_2_20210324T214320_20210324T214337_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_GOPN_2_20210324T214755_20210324T214832_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_GOPN_2_20210324T214959_20210324T215049_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_GOPN_2_20210324T220322_20210324T220508_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_GOPN_2_20210324T225025_20210324T225148_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_GOPN_2_20210324T231152_20210324T231506_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_GOPN_2_20210324T232219_20210324T232229_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_GOPR_2_20210324T001702_20210324T001853_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_GOPR_2_20210324T002430_20210324T003216_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_GOPR_2_20210324T020330_20210324T020913_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_GOPR_2_20210324T020929_20210324T021047_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_GOPR_2_20210324T025440_20210324T025446_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_GOPR_2_20210324T025856_20210324T030423_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_GOPR_2_20210324T031822_20210324T032034_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_GOPR_2_20210324T033206_20210324T033350_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_GOPR_2_20210324T033516_20210324T033622_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_GOPR_2_20210324T033916_20210324T034030_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_GOPR_2_20210324T034245_20210324T034817_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_GOPR_2_20210324T041024_20210324T041204_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_GOPR_2_20210324T051357_20210324T051647_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_GOPR_2_20210324T052111_20210324T052633_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_GOPR_2_20210324T052703_20210324T052757_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_GOPR_2_20210324T065934_20210324T070936_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_GOPR_2_20210324T083652_20210324T083917_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_GOPR_2_20210324T083917_20210324T084427_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_GOPR_2_20210324T084456_20210324T084940_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_GOPR_2_20210324T085508_20210324T085533_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_GOPR_2_20210324T093614_20210324T093756_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_GOPR_2_20210324T101548_20210324T102241_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_GOPR_2_20210324T102242_20210324T102548_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_GOPR_2_20210324T102755_20210324T103141_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_GOPR_2_20210324T103418_20210324T103738_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_GOPR_2_20210324T120143_20210324T120356_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_GOPR_2_20210324T120612_20210324T121339_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_GOPR_2_20210324T132732_20210324T133201_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_GOPR_2_20210324T133615_20210324T134037_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_GOPR_2_20210324T140533_20210324T140609_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_GOPR_2_20210324T141921_20210324T142532_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_GOPR_2_20210324T152823_20210324T153106_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_GOPR_2_20210324T155736_20210324T155829_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_GOPR_2_20210324T165356_20210324T170008_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_GOPR_2_20210324T170230_20210324T170255_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_GOPR_2_20210324T183533_20210324T183951_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_GOPR_2_20210324T200937_20210324T202118_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_GOPR_2_20210324T214643_20210324T214755_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_GOPR_2_20210324T214832_20210324T214945_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_GOPR_2_20210324T215329_20210324T220116_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_GOPR_2_20210324T223953_20210324T224155_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_GOPR_2_20210324T232406_20210324T232516_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_GOPR_2_20210324T233009_20210324T233246_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_GOPR_2_20210324T233338_20210324T234400_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 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.

Number of products with errors:

193

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: 62

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 GOPR and GOPN products over sea ice, but this is to be expected.

Number of products with errors: 145

6. GOP 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: 0

6.2 P2P Product Header Analysis

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

Number of products with errors:

0

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

0

6.4 P2P Auxiliary Correction Error Check

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

Currently, there are some common auxiliary correction errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this 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.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors:

30

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220210323T233614_20210324T002550_C002	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20210324T002550_20210324T011529_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T011529_20210324T020504_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T020504_20210324T025443_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T025443_20210324T034419_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T034419_20210324T043358_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T043358_20210324T052334_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T052334_20210324T061313_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T061313_20210324T070248_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T070248_20210324T075228_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T075228_20210324T084203_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T084203_20210324T093142_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_220210324T093142_20210324T102118_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20210324T102118_20210324T111057_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_220210324T111057_20210324T120032_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) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20210324T120032_20210324T125012_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T125012_20210324T133947_C001	GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Troposheric Correction, the MSS height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOP_220210324T133947_20210324T142926_C001	GPD Wet Tropospheric Correction, Inverse Barometric Correction, 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) and the Mean Dynamic Topography height (solution 1), the Inverse barometric correction, and GPD wet tropospheric correction, the Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOP_220210324T142926_20210324T151902_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T151902_20210324T160841_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_220210324T160841_20210324T165816_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T165816_20210324T174756_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T174756_20210324T183731_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T183731_20210324T192711_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T192711_20210324T201646_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T201646_20210324T210625_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20210324T210625_20210324T215600_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2__20210324T215600_20210324T224540_C001 Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Mean Sea Surface (1), Mean Dynamic CS_OFFL_SIR_GOP_2__20210324T224540_20210324T233515_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_GOP_2__20210324T233515_20210325T002454_C001 Topography (1) Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220210324T025443_20210324T034419_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

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: 30

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:

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 GOPR and GOPN 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 GOPR and GOPN products over sea ice, but this is to be expected.

Number of products with errors: 30

7. GOP 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_GOPM1B	191	191	4	187	0
SIR_GOPR1B	114	114	0	114	0
SIR_GOPN1B	103	103	5	98	0
SIR_GOPM_2	191	191	141	50	0
SIR_GOPR_2	114	114	36	77	1
SIR_GOPN_2	103	103	39	64	0
SIR_GOP_P2P	29	29	0	28	1

7.1 QCC Errors

Number of QCC reports with errors:

Total number of occurrences of each error

Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOPR_2	1	1	1	1							
Product Type I	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOP_2_	1	1	1	1							

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

7.2 QCC Warnings

Number of QCC reports with warnings

2151

	ng
DNCDF MVIOEPNCDF MVIONCD	F

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCI
SIR_GOPM1B	187	0	0	0	0	0	0
SIR_GOPM_2	0	0	41	39	0	39	0
SIR_GOPN1B	97	0	0	0	0	0	0
SIR_GOPN_2	0	0	14	34	5	30	32
SIR_GOPR1B	111	0	0	0	0	0	0
SIR_GOPR_2	0	1	31	44	0	25	24
	-		1-		-	-	

Product Type	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCD	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF

SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	32	34	0	0	0	0	26
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	22	0	0	23	0	33	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	12	0	42	0	51	0	0

	Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
	SIR_GOPM1B	0	0	0	0	0	0	0
	SIR_GOPM_2	0	0	2	28	0	1	36
	SIR_GOPN1B	0	0	0	0	0	0	0
	SIR_GOPN_2	0	27	16	44	56	37	32
١	SIR_GOPR1B	0	0	0	0	0	0	0
	SIR GOPR 2	43	0	1	64	29	4	36

Product Type	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	-
SIR_GOPM1B	0	0	0	0	0	0	
SIR_GOPM_2	0	4	0	0	0	0	
SIR_GOPN1B	0	0	0	0	49	3	
SIR_GOPN_2	29	10	1	1	0	0	
SIR_GOPR1B	0	0	1	0	114	11	
SIR GOPR 2	43	1	0	4	0	0	

	Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD	RBSZOPOEPNCDF
ſ	SIR GOP 2	16	29	29	4	29	17	28

Ì	Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
ſ	SIR_GOP_2_	17		23	14	29	19	27

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-	-
SIR GOP 2	29	17	13	29			

Abbreviation Test name Details	Test Description Key:		
BGSINCOF OHHMOOR IndexOTHEID20H2MG10PC OHHMOOR IndexOTHEID20H2MG10PG0U0Range The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) Wilespring of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) Wilespring of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) Wilespring of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) Wilespring of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) Wilespring of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) Wilespring of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) Wilespring of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) Wilespring of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) Wilespring of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1) Wilespring of 20 Hz to 1 Hz measurements should be in the range of to not you have for surface type only for latitude between - 70 and 70 degrees The value should not be a "missing value" for surface type only for latitude between - 70 and 70 degrees RBS2OPOEPFDLRMN		Test name	Details
MINICEPFENCDF MissingValueIntiOceanExcludingPolarFD2NeCDF The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees MINICEPRINCE RBSZOPOCEPFDNCDF RBSZOPOCEPFDNCDF RBSZOPOCEPFDLRM RBSZOPOCEPPDLRM RBSZOPOCEPFDLRM RBSZOPOCEPFDLRM RBSZOPOCEPPDLRM RBSZOPOCEPFDLRM RBSZOPOCEPPDLRM RBSZOPOCE	BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
MICEPNCDF Mising/valueIntOceanExcludingPolarNetCDF The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees MICHARD Rass20POEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDLRM RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF RBSZOPOEPFNCDF RBSZOPOEPFN	IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MICIONCDF RBSZOPOEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDLRM RAngeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF RBSZOPOEPFDLRM RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF RBSZOPOEPNCDF RSSHAOPNCDF RBSZOPOEPNCDF RSSHAOPNCDF RSSHAOPNCDF RSSHAOPNCDF RSSHAOPDLRMNCDF RSSHAOPDLR	MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
RBSZOPOEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDLRM NCDF RBSZOPOEPFDLRM RBSSEONOEPFDLRM RBSSEONOEPFDLRM RBSSEONOEP	MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
R8SZOPOEPPDEMM RRSZOPOEPPDEMM RSSEONOEPPDEMM RRSZOPOEPPDEMM RRSZOPOEPPDEMM RRSZOPOEPPDEMM RRSZOP	MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
RBSZOPOEPPDLRM ROTE RBSZOPOEPNCDF RBSZOPOEPNCDF RBSZOPOEPNCDF RPEPOPFDLRMNCDF RPEPOPFDLRMNCDF RPEPOPFDLRMNCDF RPEPOPFDLRMNCDF RPEPOPFDLRMNCDF RPEPOPFDLRMSIN ROTE RPEPOPFDRANCDF RPEPOPFDSINNCDF RPEPOPFSINNCDF RPEPOPFSINNCDF RPEPOPFSINNCDF RPEPOPFSINNCDF RPEPOPFSINNCDF RPEPOPFSINNCDF RPEPOPFSINNCDF RPEPOPFSINNCDF RROTE RAGGE RAG	RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RESZOPOEPNCDF RangeBackscatterSigmaZerooPOEPNCDF RREPOPFDLRMNCDF RREPOPFDLRMNCDF RREPOPFDLRMSAN RREPOPFDLRMSAN RREPOPFDLRMSAN RODF RREPOPFDLRMSIN RangePeakinessExcludingPolarOPFDZLRMNetCDF RREPOPFDLRMSIN RangePeakinessExcludingPolarOPFDZPLRMSINNetCDF RREPOPFDLRMSIN RREPOPFDRSANNCDF RREPOPFDLRMSIN RREPOPFDLRMSIN RREPOPFDLRMSIN RREPOPFDSINNCDF RREPOPSARNCDF RREPOPFDSINNCDF RREPOPSARNCDF RREPOPSARNCDF RREPOPSARNCDF RREPOPSINNCDF RREPOPSINNCDF RREPOPSINNCDF RREPOPSINNCDF RREPOPSARNCDF RREPOPSINNCDF		RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes
RPEPOPFDLRMSCDF RangePeakinessExcludingPolarOPFD2LRMSARNetCDF RPEPOPFDPLRMSARN RCDF RPEPOPFDPLRMSARN RCDF RPEPOPFDPLRMSARN RCDF RPEPOPFDPLRMSINN CDF RPEPOPFDPLRMSINN CDF RPEPOPFDRANNCDF RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF RPEPOPFDSARNCDF RangePeakinessExcludingPolarOPFD2SARNetCDF RPEPOPFDSARNCDF RangePeakinessExcludingPolarOPFD2SARNetCDF RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SARNetCDF RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF RPEPOPFDRINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF RPEPOPRANNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF RPEPOPLRMNCDF RangePeakinessExcludingPolarOPFRANNetCDF RPEPOPSINNCDF RangePeakinessExcludingPolarOPFRANNetCDF RPEPOPSINNCDF RangePeakinessExcludingPolarOPFRANNetCDF RPEPOPSINNCDF RangePeakinessExcludingPolarOPSARNetCDF Reakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between 70 and 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSARNetCDF Reakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface type = ocean for latitudes between 70 and 70 degrees Reseassurface t		RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes
RPEPOPFDRARINN RangePeakinessExcludingPolarOPFD2PRMSINNetCDF RPEPOPFDSARNCDF RPEPOPFDSARNCDF RPEPOPFDSARNCDF RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF RPEPOPFDSINNCDF RPEPOPFDSINNCDF RPEPOPSARNCDF RPEPOPRARINDCDF RPEPOPSARNCDF RAngePeakinessExcludingPolarOPFD2SINNetCDF RPEPOPSARNCDF RPEPOPSARNCDF RAngePeakinessExcludingPolarOPFD2SINNetCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RAngePeakinessExcludingPolarOPFD2SINNetCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSINNCDF RAngePeakinessExcludingPolarOPSARNetCDF RPEPOPSINNCDF RPEPOPSINNCDF RRESCONCDF RAngePeakinessExcludingPolarOPSARNetCDF RPEPOPSINNCDF RRESCONCDF RAngePeakinessExcludingPolarOPSINNetCDF RRESCONCDF RAngePeakinessExcludingPolarOPSINNetCDF RRESCONCDF RAngeSeaSurfaceHeightAnomalyOceanFD3NetCDF RSSHAOFDPLRMNCDF RRSSHAOFDPLRMNCDF RRSSHAOFDPLRMNCDF RAngeSeaSurfaceHeightAnomalyOceanFD3NetCDF RSSHAOFDPLRMNCDF RAngeSeaSurfaceHeightAnomalyOceanFD3NetCDF RAngeSeaSurfaceHeightAnomalyOceanNetCDF RSSHAOFDPLRMNCDF RAngeSeaSurfaceHeightAnomalyOceanNetCDF RAngeSeaSurfaceHeightAnomalyOceanNetCDF RSSHAOFDPLRMNCDF RAngeSeaSurfaceHeightAnomalyOceanNetCDF RSSHAOFDPLRMNCDF RAngeSeaSurfaceHeightAnomalyOceanNetCDF RSWHOEPFDPLRMNCDF RAngeSeaSurfaceHeightAnomalyOceanNetCDF RSWHOEPFDPLRMNCDF RAngeSeaSurfaceHeightAnomalyOceanNetCDF RSWHOEPFDPLRMNCDF RAngeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The sea surface height anomaly should be between -300mm and 3000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDPLRMNCDF RSWHOEPFDPLRMNCDF RSWHOEPFDPLRMNCDF RSWHOEPFDPLRMNCDF RSWHOEPFDPLRMNCDF RSWHOEPFDPLRMNCDF RSWHOEPFDPLRMNCDF RSWHOEPFDPLRMNCDF RAngeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF RSWHOEPFDPLRMNCDF RAngeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF RSWHOEPFDPLRMNCDF RAngeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF RSWHOEPFDPLRMNCDF RAngeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF RSWHOEPFDPLRMNCDF RSWHOEPFDPLRMNCDF RAngeSignifica	RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70
RPEPOPFDRAMNIN CangePeakinessExcludingPolarOPFD2PLRMSINNetCDF RPEPOPFDSARNCDF RPEPOPFDSARNCDF RPEPOPFDSINNCDF RPEPOPFDSINNCDF RPEPOPFDSINNCDF RPEPOPSARNCDF RAngePeakinessExcludingPolarOPSARNetCDF RPEPOPSARNCDF RPEPOPSARNCDF RAngePeakinessExcludingPolarOPSARNetCDF RPEPOPSARNCDF RPEPOPSINNCDF RAngePeakinessExcludingPolarOPSARNetCDF RPEPOPSINNCDF RAngePeakinessExcludingPolarOPSARNetCDF RPEPOPSINNCDF RAngePeakinessExcludingPolarOPSINNECDF RPEAKINESS should be between 0 and 4600 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The sea surface height anomaly should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The sea surface height anomaly should be between of man and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wa		RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPFDSARNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF RPEPOPFDSINNCDF RPEPOPLRMNCDF RPEPOPLRMNCDF RPEPOPLRMNCDF RPEPOPLRMNCDF RPEPOPSARNCDF RPEPOPSARNC	RPEPOPFDPLRMSINN	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RPEPOPESINNCDF RPEPOPLRMNCDF RPEPOPLRMNCDF RPEPOPLRMNCDF RPEPOPLRMNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSINNCDF R		RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70
RPEPOPLEMNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSARNCDF RPEPOPSINNCDF RPEPOPSINNCDF RPEPOPSINNCDF RPEPOPSINNCDF RPEPOPSINNCDF RPEPOPSINNCDF RPEPOPSINNCDF RPEPOPSINNCDF RAngePeakinessExcludingPolarOPSARNetCDF RPEPOPSINNCDF RAngeSeaStateBiasCorrectionOceanNetCDF RSSBCONCDF RSSBCONCDF RangeSeaStateBiasCorrectionOceanNetCDF RSSHAOFDNCDF RSSHAOFDNCDF RSSHAOFDPLRMNCD RSSHAOFDPLRMNCDF RSSHAOFDPLRMNCDF RSSHAOFDPLRMNCDF RSSHAOFDPLRMNCDF RSSHAOFDPLRMNCDF RSWHOEPFDNCDF RSWHOEPFDNCDF RSWHOEPFDNCDF RSWHOEPFDRCDF RSWHOEPFDRCDF RSWHOEPFDRCDF RSWHOEPFDNCDF SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF The sea surface between 0 and 40000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between -3000mm and 3000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0 and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees Rel_Time_ASC_Node_Stop mismatch The 11 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample The sequence counter should be modulo 4 higher with regard to the previous sequence counter	RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70
RPEPOPSARNCDF RPEPOPSINNCDF RangePeakinessExcludingPolarOPSARNetCDF RPEPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF Responsibility Resp	RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70
RPEPOPSINNCDF RangeSeaStateBiasCorrectionOceanNetCDF RSSBCONCDF RangeSeaStateBiasCorrectionOceanNetCDF RSSHAOFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF RSSHAOFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF RSSHAOFDPLRMNCD RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF RSSHAOFDPLRMNCD RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF RSSHAOFDPLRMNCD RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF RSWHOEPFDPLRMNC DF RSWHOEPFDPLRMNC DF RSWHOEPFDPLRMNC DF RSWHOEPFDPLRMNC DF RSWHOEPFDPLRMNC DF RSWHOEPFNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between 0mm and 70 degrees The significant wave height	RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70
RSSHAOFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF RSSHAOFDPLRMNCD RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF RSWHOEPFDPLRMNC DF RSWHOEPFDPLRMNC DF RSWHOEPFDPLRMNC DF RSWHOEPFNCDF RSWHOEPFNCDF RSWHOEPSNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between 70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between 70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between 70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between 70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between 70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between 70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between 70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between 70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between 70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between 70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between 70 and 70 degrees The significant wave height should be between 0mm and	RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSSHAOFDPLRMNCD RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF Rel_Time_ASC_Node_Stop mismatch The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample SCSTODHRNCDF SequenceCounterStepTODHRNetCDF The sequence counter should be modulo 4 higher with regard to the previous sequence counter	RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
FRSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF RSWHOEPFDNCDF RSWHOEPFDNCDF RSWHOEPFDNCDF RSWHOEPFDNCDF RSWHOEPFDNCDF RSWHOEPFDPLRMNC DF RSWHOEPFDPLRMNC DF RSWHOEPFDPLRMNC DF RSWHOEPFDPLRMNC DF RSWHOEPNCDF RSWHOEPNCDF SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF SCSTODHRNCDF SCSTODHRNCDF SequenceCounterStepTODHRNetCDF SequenceCounterStepTODHRNetCDF SequenceCounterStepTODHRNetCDF RSWHOEPNCDF SequenceCounterStepTODHRNetCDF SequenceCounterStepTODHR	RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	
CE2A RSWHOEPFDNCDF RANGESignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF RSWHOEPFDPLRMNC DF RANGESignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF RSWHOEPFDPLRMNC DF RSWHOEPFDPLRMNC DF RANGESignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF RSWHOEPNCDF RANGESignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF RANGESignificantWaveHeightOceanExcludingPolarNetCDF RANGESignificantWaveHeightOceanExcludingPolarNetCDF RANGESignificantWaveHeightOceanExcludingPolarNetCDF RANGESignificantWaveHeightOceanExcludingPolarNetCDF RANGESignificantWaveHeightOceanExcludingPolarNetCDF RESURT ASC_Node_SignificantWaveHeightOceanExcludingPolarNetCDF RESURT ASC_Node_SignificantWaveHeightOceanExcludingPolarNetCDF RESURT ASC_Node_SignificantWaveHeightOceanExcludingPolarNetCDF Resurt Asc_Node_SignificantWaveHeightOceanExcludingPolarNetCDF Resurt Asc_Node_SignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees Resurt Asc_Node_SignificantWaveHeightOceanExcludingPolarNetCDF Resurt Asc_Node_SignificantWaveHeightOceanExcludingPolarNetCDF Resurt Asc_Node_SignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees Resurt Asc_Node_SignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees Resurt Asc_Node_SignificantWaveHeightOceanExcludingPolarNetCDF Resurt Asc_Node_SignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees Resurt Asc_Node_SignificantWaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitud	RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	
RSWHOEPFDLRMNC DF RSWHOEPFDLRMNC DF RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF Ran	RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	
DF RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarNetCDF RSPHRTASCNSNCDF SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF SCONHIFHD SameOrOneHigher1HzIndexFor20HzData SCSTODHRNCDF SequenceCounterStepTODHRNetCDF Idititudes between -70 and 70 degrees The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees Rel_Time_ASC_Node_Stop_v2_NetCDF Rel_Time_ASC_Node_Stop mismatch The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample The sequence counter should be modulo 4 higher with regard to the previous sequence counter	RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	
RangeSignificantWaveHeightOceanExcludingPolarNetCDF SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF SOOHHIFHD SameOrOneHigher1HzIndexFor20HzData SequenceCounterStepTODHRNetCDF RangeSignificanttWaveHeightShould be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees Rel_Time_ASC_Node_Stop mismatch The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample The sequence counter should be modulo 4 higher with regard to the previous sequence counter		RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	
SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF Rel_Time_ASC_Node_Stop mismatch SOOHHIFHD SameOrOneHigher1HzIndexFor20HzData The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample SCSTODHRNCDF SequenceCounterStepTODHRNetCDF The sequence counter should be modulo 4 higher with regard to the previous sequence counter		RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for
SCSTODHRNCDF SequenceCounterStepTODHRNetCDF The sequence counter should be modulo 4 higher with regard to the previous sequence counter	SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	
	SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODNODE Sequence Counter Step TODNetCDF The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter	SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
	SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports