

QA4EO Daily Report for GOP data:

<u>19/08/2021</u>

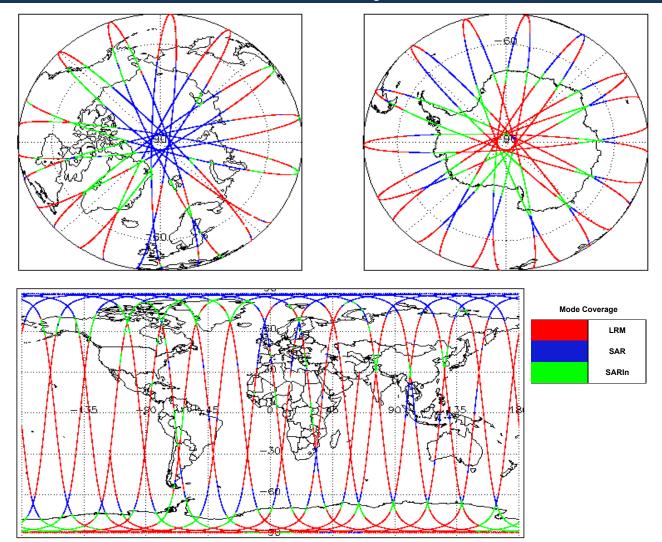
		Check	L1 & L2	P2P
Report Production:	23-Sep-2021			
•	•	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
FI0Ce3501 03eu.	Crybbat Ocean Trocesson	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
Data Useu.	L1B, L2 & P2P Science Data	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 7.2	See Section 7.2

1. Overview

Mission / Instrument News 18-Aug-2021 None 19-Aug-2021 None

20-Aug-2021 Nothing planned





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). 0

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. L18 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: 0 4.3 L1B Auxiliary Data File Usage Check Each product sic checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0 4.4 L1B Auxiliary Correction Error Check CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0 4.5 L1B Measurement Confidence Data Check CryoSat L1B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.

Attitude Correction Missing: This flag is currently set in error for 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:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20210819T061414_20210819T061511_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_GOPM1B_20210819T205937_20210819T210251_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.

25

2

Number of products with errors:

CS_OFFL_SIR_GOPM1B_20210819T022121_20210819T025321_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPM1B_20210819T143129_20210819T143308_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPM1B_20210819T143129_20210819T143308_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPM1B_20210819T165311_20210819T165734_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPM1B_20210819T25838_20210819T230128_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPM1B_20210819T230924_20210819T233357_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPN1B_20210819T053132_20210819T053652_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPN1B_20210819T062231_20210819T062543_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPN1B_20210819T062231_20210819T080643_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPN1B_20210819T094049_20210819T094311_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPN1B_20210819T111429_20210819T111447_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPN1B_20210819T111449_20210819T111613_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPN1B_20210819T111546_20210819T111613_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_GOPN	(
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CS_OFFL_SIR_GOPN1B_20210819T192733_20210819T193117_C001 Loss of Echo The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPN1B_20210819T202542_20210819T203155_C001 Loss of Echo The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPN1B_20210819T210746_20210819T211148_C001 Loss of Echo The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20210819T003802_20210819T004030_C001 Loss of Echo The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20210819T012537_20210819T012609_C001 Loss of Echo The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20210819T020349_20210819T020628_C001 Loss of Echo The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20210819T043503_20210819T044223_C001 Loss of Echo The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20210819T052117_20210819T052620_C001 Loss of Echo The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20210819T160555_20210819T161040_C001 Loss of Echo The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20210819T184858_20210819T185600_C001 Loss of Echo The tracking echo is missing for one or more records	
CS_OFFL_SIR_GOPR1B_20210819T203505_20210819T203804_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: 0

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors:
0

5.4 L2 Auxiliary Correction Error Check

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

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

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

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Corr Link Cor	Product	Test Failed	Description
C5. OFTL SIR GOPK 2. 322109197223038. 20210917723012. 0001 Topography (f), Told Generals Core Topography (f) for the or more record C6. OFTL SIR GOPK 2. 20210917103020 202109171123012. 0001 Man Dyame Topography (f). This is a nerve with the X6S height core in the Six	CS_OFFL_SIR_GOPM_2_20210819T111139_20210819T111201_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
Cal, GAPL, SAP, GAPL, 2, 20210910702402, 202109107102402,	CS_OFFL_SIR_GOPM_2_20210819T225838_20210819T230128_C001	Topography (1), Total Geocentric Ocean	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
CSUPTLENGLOAD Trooparty high (culture 1) Trooparty high (culture 1) and more more more is cools CSUPTLENGLOAD Mark Sociation (1) Man Dynamic Trooparty high (culture 1) and more more more is cools CSUPTLENGLOAD Mark Sociation (1) Man Dynamic Trooparty high (culture 1) and more more more more more more more more	CS_OFFL_SIR_GOPN_2_20210819T025321_20210819T025546_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
C2_OFFL_SIR_GOPL_2_20210819T05252_02210813T05253_C001 Toppgraphy (1), Tail Generative Community Park Toppgraphy (1), Tail Generative Community Park C3_OFFL_SIR_GOPL_2_20210819T05252_02210813T05253_C001 Mon Dynamic Topsgraphy (1), Tail Generative Community Park C3_OFFL_SIR_GOPL_2_20210819T05252_02210813T05353_C001 Mon Dynamic Topsgraphy (1), Tail Generative Community Park C3_OFFL_SIR_GOPL_2_20210819T05252_02210813T05355_C001 Mon Dynamic Topsgraphy (1), Tail Generative Community Park C3_OFFL_SIR_GOPL_2_20210819T05252_022210813T05355_C001 Mon Dynamic Toppgraphy (1), Tail Generative Community Park Topsgraphy Park C3_OFFL_SIR_GOPL_2_20210819T05252_022210819T05355_C001 Mon Dynamic Toppgraphy (1), Tail Generative Community Park Topsgraphy Park C3_OFFL_SIR_GOPL_2_20210819T05253_C001 Mon Dynamic Toppgraphy (1), Tail Generative Community Park Topsgraphy Park C3_OFFL_SIR_GOPL_2_20210819T05254_0221081707663_C001 Mon Dynamic Toppgraphy (1), Tail Generative Community Park Topsgraphy Park C3_OFFL_SIR_GOPL_2_20210819T07664_0221081707664_C001 Mon Dynamic Toppgraphy (1), Tail Generative Community Park Topsgraphy (1), Tail Generative Community Park C3_OFFL_SIR_GOPL_2_20210819T07664_02221081707664_C001 Mon Dynamic Toppgraphy (1), Tail Generative Community Park Topsgraphy (1), Tail Generative Community Park C3_OFFL_SIR_GOPL_2_20210819T07664_02221081707664_C001 <t< td=""><td>CS_OFFL_SIR_GOPN_2_20210819T034553_20210819T034718_C001</td><td>Topography (1)</td><td>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</td></t<>	CS_OFFL_SIR_GOPN_2_20210819T034553_20210819T034718_C001	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
Call, DFL, SIR, GOPN 2, 202108101083102, 2021081005302, 2021 Traggraphy (1)	CS_OFFL_SIR_GOPN_2_20210819T035229_20210819T035533_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1) 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
CB_OFFL_SR_GOPN_2_20210619103052_002 000191030505_0001 Tooggaphy (1) Tooggaphy (1) Tooggaphy (1) CB_OFFL_SR_GOPN_2_2021061910605_002 002106191001656_0001 Mean Dynamic Topography (1) There is an error with the MBA Dynamic Topography (2) CB_OFFL_SR_GOPN_2_20210619106254_0001 Mean Dynamic Topography (1) There is an error with the MSS height (boldion 1) or the SC model of Coan Tide (FES) and the Non-Equilibrium Lon Donamic Topography (1), Tridt Geoomic Coan Tide (FES), Non-Equilibrium Lon Donamic Topography (1), Tridt Geoomic Coan Tide (FES), Non-Equilibrium Lon Donamic Topography (1), Tridt Geoomic Coan Tide (FES), Non-Equilibrium Lon Donamic Topography (1), Tridt Geoomic Coan Tide (FES), Non-Equilibrium Lon Donamic Topography (1), Tridt Geoomic Coan Tide (FES), Non-Equilibrium Lon Donamic Topography (1), Tridt Geoomic Coan Tide (FES), Non-Equilibrium Lon Donamic Topography (1) CB_OFFL_SIR_GOPN_2_202106191070009_02106191070040_0000 Mean Dynamic Topography (1), Tridt Geoomic Coan Tide (FES), Non-Equilibrium Lon Donamic Topography (1) CB_OFFL_SIR_GOPN_2_202106191070009_02106191070040_0000 Mean Dynamic Topography (1) There is an error with the MSS height (boldion 1) and the Mean Topography (1) CB_OFFL_SIR_GOPN_2_202106191070009_02106191070040_0000 Mean Dynamic Topography (1) There is an error with the MBan Dynamic Topography (1) CB_OFFL_SIR_GOPN_2_202106191070009_02106191070040_0000 Mean Dynamic Topography (1) There is an error with the MBan Dynamic Topography (1) CB_OFFL_SIR_GOPN_2_2021061911070140_0001	CS_OFFL_SIR_GOPN_2_20210819T052620_20210819T052917_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_DFL_SR_GOPN_2_2021061910600_202160191060_C001 Netro Dynamic Topography (n) or more records CS_OFFL_SIR_GOPN_2_202106191062231_202106191062243_C001 Mean Dynamic Topography (n) Total Geocentric Ocen Tide (FE) and the Non-Equilibrum Lon Ocean Tide (FE) (SN, Non-Equilibrum Lon Ocean Tide (FE)), Non-Equilibrum Lon Ocean Tide (FE) (SN, Non-Equilibrum Lon Ocean Tide (FE)), Non-Equilibrum Lon Ocean Tide (FE) (SN, Non-Equilibrum Lon Ocean Tide (FE)), Non-Equilibrum Lon Ocean Tide (FE) (SN, Non-Equilibrum Lon Ocean Tide (FE)), Non-Equilibrum Lon Ocean Tide (FE) (SN, Non-Equilibrum Lon Ocean Tide (FE)), Non-Equilibrum Lon Ocean Tide (FE)), Non-Equilibrum Lon Ocean Tide (FE), Non-Equilibrum Lon Ocean Tide (FE)), Non-Equilibrum Lon Oce	CS_OFFL_SIR_GOPN_2_20210819T053132_20210819T053652_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
GS_OFFL_SIR_GOPN_2_202106197062231_202106197062543_C001 Toography (1), Total Geocentric Coent Toda (FS), Non-Equilibrum Long Pack (GC)), Total Geocentric Coent Toda (FS), Non-Equilibrum Long Pack (GC), Total Geocentric Coent Toda (FS), Non-Equilibrum Long Pack (GS), OFFL_SIR_GOPN_2_2021061970602_20210619706243_C001 Mean Dynamic Topography (1) Toda Geocentric Coent Toda (FS), Non-Equilibrum Long Pack (GS), OFFL_SIR_GOPN_2_2021061970602_20210619707043_C001 Mean So Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Topography (1) CS_OFFL_SIR_GOPN_2_2021061970602_20210619706023_C001 Mean So Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Topography (1) There is an error with the MSS height (solution 1) Topography (1) CS_OFFL_SIR_GOPN_2_20210619706128_20210519706423_C001 Mean So Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) There is an error with the MSS height (solution 1) Topography (1) CS_OFFL_SIR_GOPN_2_202106197064012_20210519706431_C001 Mean So Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) There is an error with the MSS height (solution 1) There is an error with the MSS height (solution 1) Toro error ecords CS_OFFL_SIR_GOPN_2_202106197103242_202106197103245_C001 Mean So Surface (1), Mean Dynamic Topography (1)	CS_OFFL_SIR_GOPN_2_20210819T061600_20210819T061656_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CB_OFFL_SIR_GOPN_2_20210819T082564_20210819T082561_0001 Geoentric Ocean Tide (FCB), not state at this with the Mean Dynamic Topography (th) the Mean Dyn	CS_OFFL_SIR_GOPN_2_20210819T062231_20210819T062543_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1) 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_DFFL_SIR_GOPN_2_20210819107080_202108191070843_0001 Topography (1) There is an error with the MSS height (aluiton 1) for one or more records CS_OFFL_SIR_GOPN_2_202108197084112_202108197084005_C001 Mean Dynamic Topography (1) There is an error with the MSS height (aluiton 1) and the Mean 1 There is an error with the MSS height (aluiton 1) and the Mean 1 CS_OFFL_SIR_GOPN_2_202108197084112_202108197084705_C001 Mean Sas Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (aluiton 1) and the Mean 1 Topography (6) Unit on or more records CS_OFFL_SIR_GOPN_2_202108197102327_202108197102518_C001 Mean Sas Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (aluiton 1) and the Mean 1 Topography (1) There is an error with the MSS height (aluiton 1) and the Mean 1 Topography (1) There is an error with the MSS height (aluiton 1) and the Mean 1 Topography (1) There is an error with the MSS height (aluiton 1) and the Mean 1 Topography (1) There is an error with the MSS height (aluiton 1) and the Mean 1 Topography (1) There is an error with the MSS height (aluiton 1) and the Mean 1 Top	CS_OFFL_SIR_GOPN_2_20210819T062546_20210819T062651_C001	Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-	There is an error with 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_UPFL_SIR_GOPN_2_202108107084005_20210 Topography (1) Topography (abulton 1) for one or more records CS_OFFL_SIR_GOPN_2_202108107084112_202108197084005_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_202108197084112_202108197084705_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Topography (solution 1) and the Mean Topography (solution 1) and the Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_GOPN_2_202108197102327_202108197102518_C001 Mean Sea Surface (1). Mean Dynamic Topography height (solution 1) or one or more records CS_OFFL_SIR_GOPN_2_2021081971102327_2021081971102518_C001 Mean Sea Surface (1). Mean Dynamic Topography (solution 1) or one or more records CS_OFFL_SIR_GOPN_2_202108197112034_202108197112508_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Topography (solution 1) or one or more records CS_OFFL_SIR_GOPN_2_202108197112034_202108197112644_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Topography (1) CS_OFFL_SIR_GOPN_2_202108197134259_202108197134643_C001 Mean Sea Surface (1). Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Topography (1) CS_OFFL_SIR_GOPN_2_202108197134259_202108197132654_C001 Mean Sea Surface (1). Mean Dynamic Topography height (solution 1) and the Mean	CS_OFFL_SIR_GOPN_2_20210819T070609_20210819T070843_C001		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_20210819108396_20210819108400_0001 Mean Dynamic Topography (1) or more records CS_OFFL_SIR_GOPN_2_202108191084112_202108191084705_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819108409_202108191094311_C001 There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_202108191102327_202108191102518_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_202108191120306_202108191120444_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_202108191134259_202108191134643_C001 There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_202108191132252_001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_202108191132232_002108191152548_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_202108191152548_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_202108191152548_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) o	CS_OFFL_SIR_GOPN_2_20210819T080126_20210819T080239_C001		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_2021081910841/2_202108191084/05_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tride (GOT) There is an error with the SS height (solution 1) and the Mean I prography (1) CS_OFFL_SIR_GOPN_2_20210819T102327_20210819T102518_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I prography (1) CS_OFFL_SIR_GOPN_2_20210819T112034_20210819T112508_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T112034_20210819T1120444_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T120306_20210819T134643_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T134259_20210819T134643_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Topography (1) CS_OFFL_SIR_GOPN_2_20210819T152232_20210819T152232_20210819T153225_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T161326_20210819T161419_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T1	CS_OFFL_SIR_GOPN_2_20210819T083904_20210819T084005_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_20210819T094049_20210819T094311_C001 Topography (1), Total Geocentric Ocean Telegraphy height (solution 1) and the Total Geocentric Ocean Telegraphy (2) CS_OFFL_SIR_GOPN_2_20210819T102327_20210819T102518_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) CS_OFFL_SIR_GOPN_2_20210819T112034_20210819T112508_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (solution 1) or ore or more records CS_OFFL_SIR_GOPN_2_20210819T120346_20210819T120444_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T134259_20210819T134643_C001 Topography (1), Total Geocentric Ocean Tide (GOT) There is an error with the Mean Dynamic Topography (solution 1) and the Mean I Topography height (solution 1) and the Mean I Topography height (solution 1) and the Mean I Topography (1) CS_OFFL_SIR_GOPN_2_20210819T134259_20210819T152548_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T153100_20210819T153225_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T171009_20210819T171116_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T171009_20210819T171116_C001 Mean Sea Surface (1), Mean Dynamic Topogra	CS_OFFL_SIR_GOPN_2_20210819T084112_20210819T084705_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_20210819T112034_20210819T112508_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T1120306_20210819T112508_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T1320306_20210819T134643_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T134259_20210819T134643_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tride (GOT) CS_OFFL_SIR_GOPN_2_20210819T152232_20210819T152548_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T153100_20210819T153225_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T161326_20210819T161419_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T171009_20210819T171116_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T175228_20210819T175345_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T1753258_C001 Mean Sea Surface (1), Mean Dynamic Topogr	CS_OFFL_SIR_GOPN_2_20210819T094049_20210819T094311_C001	Topography (1), Total Geocentric Ocean	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_20210819T12034_20210819T120444_C001 Mean Dynamic Topography (1) or more records CS_OFFL_SIR_GOPN_2_20210819T12036_20210819T120444_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) and the Mean I CS_OFFL_SIR_GOPN_2_20210819T134259_20210819T134643_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean T There is an error with the MSS height (solution 1) and the Mean I CS_OFFL_SIR_GOPN_2_20210819T152232_20210819T152548_C001 Mean Dynamic Topography (1) There is an error with the Mess Dynamic Topography height (solution 1) and the Mean I CS_OFFL_SIR_GOPN_2_20210819T15320_C0210819T153225_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_20210819T161326_20210819T161419_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or one or more records CS_OFFL_SIR_GOPN_2_20210819T161326_20210819T161419_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or one or more records CS_OFFL_SIR_GOPN_2_20210819T171009_20210819T17116_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T175228_20210819T175345_C001 Mean Sea Surface (1), Mean Dynamic Top	CS_OFFL_SIR_GOPN_2_20210819T102327_20210819T102518_C001		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_202108191120306_202108191120444_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) or more records CS_OFFL_SIR_GOPN_2_202108191134259_202108191134643_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean I Tde (GOT) CS_OFFL_SIR_GOPN_2_202108191152232_202108191152548_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean I Topography (1) CS_OFFL_SIR_GOPN_2_202108191152232_2021081911522548_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean I Topography (1) CS_OFFL_SIR_GOPN_2_202108191153100_202108191153225_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) CS_OFFL_SIR_GOPN_2_202108191161326_202108191161419_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_202108191161326_202108191171116_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_202108191171009_2021081911771116_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) and the Mean I Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_202108191177009_202108191177345_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean I Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_202108191175228_202108191175345_C001	CS_OFFL_SIR_GOPN_2_20210819T112034_20210819T112508_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_20210819T134259_20210819T134643_C001 Topography (1), Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_GOPN_2_20210819T152232_20210819T152548_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T152322_20210819T153225_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_20210819T161326_20210819T163225_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_20210819T161326_20210819T161419_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T171009_20210819T171116_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) and the Mean I Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T171009_20210819T171116_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) and the Mean I Topography (1) CS_OFFL_SIR_GOPN_2_20210819T17528_20210819T175345_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) CS_OFFL_SIR_GOPN_2_20210819T193122_20210819T193258_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for	CS_OFFL_SIR_GOPN_2_20210819T120306_20210819T120444_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_202108191152232_202108191152548_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T153100_20210819T153225_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T161326_20210819T161419_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T161326_20210819T161419_C001 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_20210819T171009_20210819T171116_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) or more records CS_OFFL_SIR_GOPN_2_20210819T175228_20210819T175345_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T193122_20210819T193258_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean I Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPN_2_20210819T134259_20210819T134643_C001	Topography (1), Total Geocentric Ocean	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_202108191153100_202108191153225_C001 Mean Dynamic Topography (1) or more records CS_OFFL_SIR_GOPN_2_202108191161326_20210819T161419_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T171009_20210819T171116_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_20210819T175228_20210819T175345_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20210819T175228_20210819T175345_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPN_2_20210819T193122_20210819T193258_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)	CS_OFFL_SIR_GOPN_2_20210819T152232_20210819T152548_C001		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_20210819T161326_20210819T161419_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T171009_20210819T171116_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_20210819T175228_20210819T175345_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T175228_20210819T175345_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T193122_20210819T193258_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPN_2_20210819T153100_20210819T153225_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_20210819T171009_20210819T17116_C001 Mean Dynamic Topography (1) or more records CS_OFFL_SIR_GOPN_2_20210819T175228_20210819T175345_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean I Topography (1) CS_OFFL_SIR_GOPN_2_20210819T193122_20210819T193258_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T193122_20210819T193258_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPN_2_20210819T161326_20210819T161419_C001		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_20210819T193122_20210819T193258_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPN_2_20210819T193122_20210819T193258_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPN_2_20210819T171009_20210819T171116_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
Topography (1) Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPN_2_20210819T175228_20210819T175345_C001		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_20210819T193122_20210819T193258_C001		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_20210819T194551_20210819T194958_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1, or more records	CS_OFFL_SIR_GOPN_2_20210819T194551_20210819T194958_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_20210819T202542_20210819T203155_C001	Mean Sea 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_20210819T210746_20210819T211148_C001	Mean Sea 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_20210819T220505_20210819T220823_C001	Mean Sea 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_20210819T224621_20210819T225010_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_20210819T011845_20210819T012509_C001	Mean Sea 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_20210819T013554_20210819T013627_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_20210819T025700_20210819T030323_C001	Mean Sea 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_20210819T030323_20210819T030512_C001	Mean Sea 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_20210819T043503_20210819T044223_C001	Mean Sea 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_20210819T044223_20210819T044425_C001	Mean Sea 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_20210819T061656_20210819T062118_C001	Mean Sea 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_20210819T062118_20210819T062230_C001	Mean Sea Surface (1), 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_20210819T075444_20210819T075946_C001	Mean Sea 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_20210819T075946_20210819T080126_C001	Mean Sea 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_20210819T093436_20210819T094049_C001	Mean Sea 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_20210819T111614_20210819T112033_C001	Mean Sea 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_20210819T125440_20210819T130215_C001	Mean Sea 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_20210819T143409_20210819T144157_C001	Mean Sea 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_20210819T161419_20210819T162231_C001	Mean Sea 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_20210819T175345_20210819T180108_C001	Mean Sea 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_20210819T193259_20210819T193819_C001	Mean Sea 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_20210819T211148_20210819T211501_C001	Mean Sea 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_20210819T211501_20210819T211853_C001	Mean Sea 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_20210819T225011_20210819T225838_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

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:
 2

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210819T061414_20210819T061511_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20210819T205937_20210819T210251_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.

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Product	Test Failed	Description
		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20210819T000040_20210819T002425_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_GOPM_2_20210819T002750_20210819T003300_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_20210819T004030_20210819T011344_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_20210819T012609_20210819T013318_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_20210819T014101_20210819T014305_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_20210819T015941_20210819T020349_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_20210819T020751_20210819T021334_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_20210819T022121_20210819T025321_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_20210819T025627_20210819T025700_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_20210819T030548_20210819T030724_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_20210819T032118_20210819T032454_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_20210819T032456_20210819T034141_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_20210819T034718_20210819T035228_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_20210819T035931_20210819T043503_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_20210819T044426_20210819T044652_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_20210819T045706_20210819T050146_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_20210819T050226_20210819T052116_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_20210819T052917_20210819T053132_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_20210819T053913_20210819T061411_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_20210819T062651_20210819T064608_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_20210819T064648_20210819T070000_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_20210819T071209_20210819T071543_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_20210819T071810_20210819T073305_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_20210819T073507_20210819T074429_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_20210819T080239_20210819T080415_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_20210819T080643_20210819T082349_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_20210819T082945_20210819T083105_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_20210819T084006_20210819T084111_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_20210819T084706_20210819T085008_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_20210819T085012_20210819T085445_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_20210819T085742_20210819T091135_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_20210819T092025_20210819T092132_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_20210819T094608_20210819T094845_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_20210819T095008_20210819T095719_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_20210819T095842_20210819T102136_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_20210819T102519_20210819T103343_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_20210819T103729_20210819T110205_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_20210819T111139_20210819T111201_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_20210819T113313_20210819T120046_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_20210819T120731_20210819T121147_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_20210819T121645_20210819T124121_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_20210819T124258_20210819T124455_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_20210819T124743_20210819T124753_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_20210819T124753_20210819T125440_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_20210819T130756_20210819T133817_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_20210819T134643_20210819T135226_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_20210819T135555_20210819T140007_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_20210819T142550_20210819T142730_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_20210819T143128_20210819T143308_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_20210819T144551_20210819T151839_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_20210819T152548_20210819T153100_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_20210819T153637_20210819T155232_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_20210819T162231_20210819T165308_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_20210819T165311_20210819T165734_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_20210819T170344_20210819T170549_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CD, OPE, SR, DOPA, Z. 2010011112011, 2010101112010. C011 Sear-Alternate Resp. 599., 2011 Sear-Alternate Resp. 599., 2011 CD, OPE, SR, DOPA, Z. 2010011112011, 2010101112010. C011 CD, OPE, SR, DOPA, Z. 2010011112011, 20101011112010. C011 CD, OPE, SR, DOPA, Z. 2010011112011, 20101011112010. C011 CD, OPE, SR, DOPA, Z. 2010011112011, 20101011112010. C011 CD, OPE, SR, DOPA, Z. 2010011112010, 20101011112010, C011 CD, OPE, SR, DOPA, Z. 2010011112010, 20101011112010, C011 CD, OPE, SR, DOPA, Z. 2010011112010, 20101011112017, C011 CD, OPE, SR, DOPA, Z. 2010011112017, 20101011112017, C011 CD, OPE, SR, DOPA, Z. 2010011112017, 20101011112017, C011 CD, OPE, SR, DOPA, Z. 2010011112017, 20101011112017, C011 CD, OPE, SR, DOPA, Z. 2010011112017, 20101011112017, C011 CD, OPE, SR, DOPA, Z. 2010011112017, 20101011112017, C011 CD, OPE, SR, DOPA, Z. 2010011112017, 2010101112017, C011 CD, OPE, SR, DOPA, Z. 2010011112017, 2010101112017, C011 CD, OPE, SR, DOPA, Z. 2010011112017, 2010101112017, C011 CD, OPE, SR, DOPA, Z. 2010011112017, 2010101112017, C01101 CD, OPE, SR, DOPA, Z. 2010011112017, 2010101112017, C01101 CD, OPE, SR, DOPA, Z. 2010011112017, 2010101112017, C01101 CD, OPE, SR, DOPA, Z. 20100111112017, 2010101112017, C01101 CD, OPE, SR, DOPA, Z. 20100111112017, 2010101112017, C011011 CD, OPE, SR, DOPA, Z. 2010011112017, 2010101112017, C011011 CD, OPE, SR, DOPA, Z. 2010011112017, 2010101112017, C01101 CD, OPE, SR, DOPA, Z. 20100111112017, C011011 CD, OPE, SR, DOPA, Z. 20100111112017, C011011112017, C011011 CD, OPE, SR, DOPA, Z. 2010011111	CS_OFFL_SIR_GOPM_2_20210819T170555_20210819T171009_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CL_OFT_URL_SRC_044_2_20199171481_20199171481_20199171481_20199171481_20199171481_201991 CR_OFT_URL_SRC_044_2_2019917191918_201991714281_20199 CR_OFT_URL_SRC_044_2_2019917191918_201991714281_20199 CR_OFT_URL_SRC_044_2_2019917191918_201991714282 CR_OFT_URL_SRC_044_2_2019917191918_201991714282 CR_OFT_URL_SRC_044_2_201991714018_201991714282 CR_OFT_URL_SRC_044_2_201991714018_201991714282 CR_OFT_URL_SRC_044_2_201991714018_201991714282 CR_OFT_URL_SRC_044_2_201991714018_201991714282 CR_OFT_URL_SRC_044_2_201991714018_20191714282 CR_OFT_URL_SRC_044_2_201991714897_2019181714897_2001 CR_OFT_URL_SRC_044_2_201991714897_2001880714887_2001 CR_OFT_URL_SRC_044_2_201991714897_2001880714887_2001 CR_OFT_URL_SRC_044_2_201991714897_2001880714887_2001 CR_OFT_URL_SRC_044_2_201991714897_2001880714887_2001 CR_OFT_URL_SRC_044_2_201991714897_2001880714887_2001880714887_2001 CR_OFT_URL_SRC_044_2_2019191714897_2001880714887_2001880714887_2001 CR_OFT_URL_SRC_044_2_2019191714897_2001880714887_2001887_2001880714887_2001887_200007 CR_OFT_URL_SRC_0444_2_20199191919182_2019919191802000 CR_OFT_URL_SRC_04442_20199191919182_2019919191802000 CR_OFT_URL_SRC_04442_20199191919182_2019919191802000 CR_OFT_URL_SRC_04442_2019919191918_2019919191802000 CR_OFT_URL_SRC_04442_2019919191918_201991919191802000 CR_OFT_URL_SRC_04442_20199191919180_20199191919202000 CR_OFT_URL_SRC_04442_20199191919	CS_OFFL_SIR_GOPM_2_20210819T171511_20210819T173938_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Market Carbon Description Description CB, OPFL_BR_OOM_2_20010619110010_201301170000_0001 Construction Carbon <	CS_OFFL_SIR_GOPM_2_20210819T174058_20210819T174817_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C2: DFL SIR. 00PM 2. 20210919118018. 2021091718009. COINT and Statusting Rags. SSR. SSN: on a Statusting Rags. SSR. SSN: on a Statusting Coint Rags. SSR. SSN: on a Statusting C	CS_OFFL_SIR_GOPM_2_20210819T175109_20210819T175228_C001		
CPL_DFL_BR_DOFL_2.32210619T16027_J0210619T16027_U021001T16227_U02100000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20210819T180108_20210819T180639_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CLUTL_GRUDUNC_COM INTERCOL_COM INTERCOL_COM Hataccattr Quality to one more nearest. CB_0FH_SHR_GOPA_2_202100191102207_202100191102204_COM Dear Alternet Rong, GMA, GMA The Come Alternet Hong, SMA, SMM and Backsonthr Quality Flags CB_0FH_SHR_GOPA_2_202100191102207_202100191102207_00100191102004_COM Dear Alternet Rong, SMA, SMM The Come Alternet Rong, SMA, SMM and Backsonthr Quality Flags CB_0FFL_SHR_GOPA_2_202100191102004_COM Dear Alternet Rong, SMA, SMM The Come Alternet Rong, SMA, SMM and Backsonthr Quality Flags CB_0FFL_SHR_GOPA_2_202100191102004_COM Dear Alternet Rong, SMA, SMM and Backsonthr Quality Flags The Come Alternet Rong, SMA, SMM and Backsonthr Quality Flags CB_0FFL_SHR_GOPA_2_202100191102004_COM Dear Alternet Rong, SMA, SMM and Backsonthr Quality Flags The Come Alternet Rong, SMA, SMM and Backsonthr Quality Flags CB_0FFL_SHR_GOPA_2_202100191102004_COM Dear Alternet Rong, SMA, SMM and Backsonthr Quality Flags The Come Alternet Rong, SMA, SMM and Backsonthr Quality Flags CB_0FFL_SHR_GOPA_2_202100191102004_COM Dear Alternet Rong, SMA, SMM and Backsonthr Quality Flags The Come Alternet Rong, SMA, SMM and Backsonthr Quality Flags CB_0FFL_SHR_GOPA_2_202100191102004_COM Dear Alternet Rong, SMA, SMM and Backsonthr Quality Flags The Come Alternet Rong, SMA, SMM and Backsonthr Quality Flags CB_0FFL_SHR_GOPA_2_2021001911102014_COM Dear Alternet Rong, SM	CS_OFFL_SIR_GOPM_2_20210819T180720_20210819T181527_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GB_OFFL_SR_00PM_2_2021819118227_20210919118201_001 and Baddathe Cuality COOD and Baddathe Cuality COOD GB_OFFL_SR_00PM_2_2021819118227_0220919118201_001 Cocen Athere Range SIM, SVM The COOD Athere Range SIM, SVM and Backatter Cuality Fags GB_OFFL_SR_00PM_2_2021819118227_0220919118201_001 Cocen Athere Range SIM, SVM, The Cocen Athere Range SIM, SVM and Backatter Cuality Fags GB_OFFL_SR_00PM_2_2021819118227_0220919118201_001 Cocen Athere Range SIM, SVM, The Cocen Athere Range SIM, SVM and Backatter Cuality Fags GB_OFFL_SR_00PM_2_202181911918217_02201919118244.001 Cocen Athere Range SIM, SVM, The Cocen Athere Range SIM, SVM, and Backatter Cuality Fags GB_OFFL_SR_00PM_2_202181917918261_001 Cocen Athere Range SIM, SVM, The Cocen Athere Range SIM, SVM, and Backatter Cuality Fags GB_OFFL_SR_00PM_2_20218191791801_02201991792824_001 Cocen Athere Range SIM, SVM, The Cocen Athere Range SIM, SVM, and Backatter Cuality Fags GB_OFFL_SR_00PM_2_202181917918016_0201991792726_001 Cocen Athere Range SIM, SVM, and Backatter Cuality Fags have been athere Range SIM, SVM, and Backatter Cuality Fags have been athere Range SIM, SVM, and Backatter Cuality Fags have been athere Range SIM, SVM, and Backatter Cuality Fags have been athere Range SIM, SVM, and Backatter Cuality Fags have been athere Range SIM, SVM, and Backatter Cuality Fags have been athere Range SIM, SVM, and Backatter Cuality Fags have been athere Range SIM, SVM, and Backatter Cuality Fags have been athere Range SIM, SVM, and Backatter Cuality Fags have been athere Range SIM, SVM, and Backatter Cuality Fags have been athere Range SIM,	CS_OFFL_SIR_GOPM_2_20210819T182007_20210819T182207_C001		
C2_OFFL_SR_GOPM_2_20210810718327_20210810718327_20210810718327_20210 C3_OFFL_SR_GOPM_2_20210810718327_20210810718322_0021 C3_OFFL_SR_GOPM_2_20210810718326_0021 C3_OFFL_SR_GOPM_2_20210810712366_0021 C3_OFFL_SR_GOPM_2_20210810712366_0021 C3_OFFL_SR_GOPM_2_2021081072366_0021 C3_	CS_OFFL_SIR_GOPM_2_20210819T182227_20210819T183043_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Description Description Backsodier Guilty Torre er more record. Dis. OFFL_SIR_00PM_2_20210919118024_001 Coden Attimeter Range, SSHA, SWH and Backsodier Cuality, OCOG The Ocean Attimeter Range, SSHA, SWH and Backsodier Cuality, Disp New been Attimetic Range and Backsodier Cuality, F	CS_OFFL_SIR_GOPM_2_20210819T183217_20210819T183701_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_DFRL_SIR_GOPM_2_20210819719062_20210819719062_001 and Backstather Quality, COG and the COG Allmeeter Range and Backstather Quality Flags have been Allmeter Range and B	CS_OFFL_SIR_GOPM_2_20210819T183928_20210819T184449_C001		
CS_OFFL_SIR_GOPM_2_20210819T191014_20210819T19164_C001 and Backscatter Quality, COOG Allimeter Range allockscatter Quality, COOG Allimeter Range, SSHA_SWH and Backscatter Quality Flags have been Allimeter Range allockscatter Quality, COOG Allimeter Range, SSHA_SWH and Backscatter Quality Flags have been Allimeter Range allockscatter Quality, COOG Allimeter Range and Backscatter Quality, Flags and Backscatter Quality, COOG Allimeter Range, SSHA_SWH and Backscatter Quality Flags have been Allimeter Range allockscatter Quality, COOG Allimeter Range allockscatter Quality, COOG Allimeter Range allockscatter Quality, Flags have been Allimeter Range allockscatter Quality, COOG Allimeter Range allockscatter Quality, Flags have been Allimeter Range allockscatter Quality, COOG Allimeter Range allockscatter Quality, Flags have been Allimeter Range allockscatter Quality, Flags have been Allimet	CS_OFFL_SIR_GOPM_2_20210819T185601_20210819T190824_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210810T120212_0210810T120212_02101 and Backacatter Quality Flags have been Affinited Range SIA, SWH and Backacatter Quality Flags have been Affinited Range SIA, SWH and Backacatter Quality Flags have been Affinited Range SIA, SWH and Backacatter Quality Flags have been Affinited Range SIA, SWH and Backacatter Quality Flags have been affinited Range SIA, SWH and Backacatter Quality Flags have been affinited Range SIA, SWH and Backacatter Quality Flags have been affinited Range SIA, SWH and Backacatter Quality Flags have been affinited Range SIA, SWH and Backacatter Quality Flags have been affinited Range SIA, SWH and Backacatter Quality Flags have been affinited Range SIA, SWH and Backacatter Quality Flags have been affinited Range All Ba	CS_OFFL_SIR_GOPM_2_20210819T191014_20210819T191854_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210819T194938_20210819T195928_C001 and Backscatter Quality COCG and Backscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_20210819T20100_20210819T20160_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_20210819T20100_20210819T20160_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_20210819T20100_20210819T20160_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_20210819T201805_20210819T201805_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set CS_OFFL_SIR_GOPM_2_20210819T201805_20210819T202350_C001 Cocan Altimeter Range and Backscatter Quality. CCOG The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set CS_OFFL_SIR_GOPM_2_20210819T203309_20210819T203505_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set CS_OFFL_SIR_GOPM_2_20210819T203407_C001 COCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set CS_OFFL_SIR_GOPM_2_20210819T203405_20210819T203407_C001 COCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set CS_OFFL_SIR_GOPM_2_20210819T204407_C001 COCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set CS_OFFL_SIR_GOPM_2_20210819T204407_C001 COCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set C	CS_OFFL_SIR_GOPM_2_20210819T192021_20210819T192732_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210819720180_202108197201805_0001 and Backscatter Quality, COCG Allimeter Range and Backscatter Quality, COCG and Runneer Range. SSHA, SWH and Backscatter Quality, COCG Allimeter Range. SSHA, SWH and backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_202108197203809_202108197203805_C001 OCCGA Allimeter Range Allimeter Range. SSHA, SWH and backscatter Quality, Flags have been allimeter Range and Backscatter Quality, Flags have been and the COCG Allimeter Range and Backscatter Quality, Flags have been allimeter Range. SSHA, SWH and the COCGA Allimeter Range and Backscatter Quality, Flags have been all the COCGA Allimeter Range. SSHA, SWH and Backscatter Quality, COCG Allimeter Range. SSHA, SWH and Backscatter Quality, Flags have been Allimeter Range. SSHA, SWH and Backscatter Quality, COCG Allimeter Range and Backscatter Quality, Flags have been Allimeter Range. SSHA, SWH and Backscatter Quality, COCG Allimeter Range and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819721365, 20210819722356_C001 Ocean Allimeter Range, SSHA, SWH and Backscatter Quality, Flags have been	CS_OFFL_SIR_GOPM_2_20210819T194958_20210819T195928_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210819T201001_20210819T201003_0001 and Backscatter Quality, OCOG Allimeter Range and Backscatter Quality, Flags have been Allimeter Range Quality, OCOG Backscatter Quality and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T203309_20210819T203309_20210819T203505_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range and Backscatter Quality, Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG CS_OFFL_SIR_GOPM_2_20210819T203309_20210819T204107_0001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T204953_20210819T204502_0001 OCGG Altimeter Range, SSHA, SWH Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, COCO Altimeter Range and Backscatter Quality, SHA, SWH and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T205405_20210819T205402_0001 Ocean Altimeter Range, SSHA, SWH Altimeter Range and Backscatter Quality, Flags have been Altimeter Range and Backsca	CS_OFFL_SIR_GOPM_2_20210819T200130_20210819T200845_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_202108197203309_202108197203505_C001 Decan Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_GOPM_2_202108197203309_202108197203505_C001 Decan Altimeter Range and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_GOPM_2_202108197203804_202108197203402_C001 DCCG Altimeter Range and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_GOPM_2_202108197204953_202108197205402_C001 Dccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_GOPM_2_202108197205405_202108197205402_C001 Dccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_GOPM_2_202108197205405_202108197205402_C001 Dccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_GOPM_2_202108197205405_202108197205402_C001 Dccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one records. CS_OFFL_SIR_GOPM_2_202108197213954_202108197215455_C001 Dccan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at for one or more records. CS_OFFL_SIR_GOPM_2_202108197213954_202108197213954_202108197213954_202108197213954_202108197223246_C001 Dccan Altimeter Range Quality, OCCO CS_OFFL_SIR_GOPM_2_20210819721365_202108197223246_C001 Dccan Altimeter Range, SHA, SWH and Backscatter Quality Flags have been at	CS_OFFL_SIR_GOPM_2_20210819T201001_20210819T201603_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210819T203309_20210819T203505_C001 and Backscatter Quality, COCG and the OCCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, COCG CS_OFFL_SIR_GOPM_2_20210819T203804_20210819T204107_C001 OCCG Altimeter Range Quality, OCCG The OCCG Altimeter Range and Backscatter Quality Flags have been set backscatter Quality, COCG CS_OFFL_SIR_GOPM_2_20210819T204053_20210819T205402_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, COCG CS_OFFL_SIR_GOPM_2_20210819T205405_20210819T205807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, COCG CS_OFFL_SIR_GOPM_2_20210819T213954_20210819T215455_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, and Backscatter Quality, COCG CS_OFFL_SIR_GOPM_2_20210819T213954_20210819T215455_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T221045_20210819T220318_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T221045_20210819T223246_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T223	CS_OFFL_SIR_GOPM_2_20210819T201855_20210819T202349_C001		
CS_OFFL_SIR_GOPM_2_202108191204953_202108191204407_0001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_202108191204953_202108191205402_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, SCG Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH CS_OFFL_SIR_GOPM_2_202108197205405_202108197205807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCO	CS_OFFL_SIR_GOPM_2_20210819T203309_20210819T203505_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210819T204953_20210819T205402_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20210819T205405_20210819T205807_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20210819T213954_20210819T215455_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatt	CS_OFFL_SIR_GOPM_2_20210819T203804_20210819T204107_C001		
CS_OFFL_SIR_GOPM_2_20210819T205405_20210819T205807_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG CS_OFFL_SIR_GOPM_2_20210819T215837_20210819T220318_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_20210819T221045_20210819T223246_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T223251_20210819T223246_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, SIMA 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 bee	CS_OFFL_SIR_GOPM_2_20210819T204953_20210819T205402_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210819T213954_20210819T215455_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T215837_20210819T220318_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_20210819T221045_20210819T223246_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T223251_20210819T223246_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T223251_20210819T223246_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T223251_20210819T223251_20210819T223357_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T233818_20210819T233257_C001 Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20210819T233818_20210819T233818_20210819T23324219_C001 Ocecof Altimeter Range Quality, OCOG Altimeter	CS_OFFL_SIR_GOPM_2_20210819T205405_20210819T205807_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_202108191213837_202108191220316_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20210819T221045_20210819T223246_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality SIA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quali	CS_OFFL_SIR_GOPM_2_20210819T213954_20210819T215455_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210819T221045_20210819T223246_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_20210819T223251_20210819T223251_20210819T224413_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG CS_OFFL_SIR_GOPM_2_20210819T233924_20210819T233357_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, 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_20210819T233818_20210819T233257_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_GOPM_2_20210819T215837_20210819T220318_C001		
CS_OFFL_SIR_GOPM_2_20210819T223251_20210819T224413_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_20210819T233924_20210819T233357_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_20210819T233924_20210819T233357_C001 Ocean Altimeter Range and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_20210819T233818_20210819T234219_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20210819T221045_20210819T223246_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210819T230924_20210819T233357_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality, OCOG COG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range Altimet	CS_OFFL_SIR_GOPM_2_20210819T223251_20210819T224413_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20210819T230924_20210819T233357_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20210819T233818_20210819T234219_C001		

CS_OFFL_SIR_GOPM_2_20210819T234239_20210819T234604_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_20210819T234942_20210820T001603_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_20210819T071041_20210819T071209_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_20210819T083904_20210819T084005_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_20210819T094049_20210819T094311_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_20210819T120306_20210819T120444_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_20210819T141310_20210819T141423_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_20210819T143038_20210819T143128_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_20210819T194551_20210819T194958_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_20210819T220505_20210819T220823_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_20210819T234604_20210819T234719_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_20210819T015430_20210819T015941_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_20210819T044652_20210819T045706_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_20210819T135340_20210819T135555_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
CS_OFFL_SIR_GOPR_2_20210819T142856_20210819T143026_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_20210819T165734_20210819T165947_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

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

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

> OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice.

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20210819T011344_20210819T011733_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_20210819T020628_20210819T020750_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_20210819T025321_20210819T025546_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_20210819T053132_20210819T053652_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_20210819T062231_20210819T062543_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_20210819T062546_20210819T062651_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_20210819T074430_20210819T074756_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_20210819T082350_20210819T082830_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_20210819T084112_20210819T084705_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_20210819T085446_20210819T085630_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_20210819T094049_20210819T094311_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_20210819T094845_20210819T095008_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_20210819T102327_20210819T102518_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_20210819T112034_20210819T112508_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_20210819T112552_20210819T112714_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_20210819T113102_20210819T113313_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_20210819T120306_20210819T120444_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_20210819T121147_20210819T121440_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_20210819T130215_20210819T130707_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_20210819T134259_20210819T134643_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_20210819T135226_20210819T135340_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_20210819T140920_20210819T141254_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_20210819T141310_20210819T141423_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_20210819T142121_20210819T142326_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_20210819T142400_20210819T142417_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_20210819T143309_20210819T143409_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_20210819T144403_20210819T144550_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_20210819T153100_20210819T153225_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_20210819T155232_20210819T155552_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_20210819T165947_20210819T170343_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_20210819T183925_20210819T183928_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_20210819T184716_20210819T184858_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_20210819T192733_20210819T193117_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_20210819T193122_20210819T193258_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_20210819T194551_20210819T194958_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_20210819T201711_20210819T201855_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_20210819T202542_20210819T203155_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_20210819T204350_20210819T204952_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
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 C3. OFTL SIR. COPUL 2. 322 000191220003. 20210011220023. COVID 101 DECEMBER 1000 DECEMB	CS_OFFL_SIR_GOPN_2_20210819T212930_20210819T213130_C001		
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CS_OFFL_SIR_GOPR_2_00210619702048_20210619702048_0011 and descatter Curry PLMLCOCCI Ind descatter Curry SIR_GOPR_2_00210619702048_20210619702210_0011 and descatter Curry PLMLCOCCI Ind descatter Curry SIR_GOPR_2_00210619702048_20210619702210_0011 and descatter Curry PLMLCOCCI Ind descatter Curry PLMLCOCCI COCCI Almeder Renge AND Backster Curry PLMLCOCCI Ind descatter Curry PLMLCOCCI COCCI Almeder Renge AND Backster Curry PLMLCOCCI Ind descatter Curry PLMLCOCC	CS_OFFL_SIR_GOPR_2_20210819T011845_20210819T012509_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C6_OFFL_SR_GOPR_2_20210819702570_20210819702570_202108197030323_0001 Amount Range and Backaster Gualty PLAN, COCO Amount Range And Coco Amount Rang	CS_OFFL_SIR_GOPR_2_20210819T020349_20210819T020628_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C6_OFFL_SIR_GOPR_2_20210819T02520_20210819T03032_C001 and Backscatter Cuality FLRM. C000 FLRM. Hinter Range and Backscatter Cuality FLRM. C000 Allmeter Range and Backscatter Cuality FLRM. C000 Allmete	CS_OFFL_SIR_GOPR_2_20210819T021650_20210819T022120_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SIR_GOPR_2_20210819T03032_20210819T030312_C001 Imst Daskscatter Quality FLRN, COCG Allmeter Range and Backscatter Quality FLRN, COCG Allmeter Range and Backscatter Quality FLRN, COCG Allmeter Range Quality PLRN, COCG Allmeter Range August PLRN, COCG Allmeter Range August PLRN, COCG Allmeter Range Quality PLRN, COCG Allmeter Range Quality PLRN, COCG Allmeter Range SMA, SWH and Backscatter Quality FLRN, COCG Allmeter Range SMA, SWH and Backscatter Quality FLRN, COCG Allmeter Range SMA, SWH and Backscatter Quality FLRN, COCG Allmeter Range August PLRN, COCG Allmeter Ran	CS_OFFL_SIR_GOPR_2_20210819T025700_20210819T030323_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_202108191034587_20210819103457_20210819103457_20210819103457_20210819103457_20210819103457_20210819103457_20210819103457_20210819103457_20210819103457_20210819103457_20210819103457_20210819103455_2001 OCOG Backscatter Quality FIRM, COG Backscatter Quality FIRM, COG Allmeter Range, SSHA, SWH and Backscatter Quality Firgs have been act for one or more records. CS_OFFL_SIR_GOPR_2_202108191034141_202108191034552_0001 Docan Allmeter Range, SSHA, SWH and Backscatter Quality Firgs and the OCOG Allmeter Range, SSHA, SWH and Backscatter Quality Firgs and backscatter Quality Firgs have been affineer Range and Backscatter Quality Firgs. CS_OFFL_SIR_GOPR_2_20210819103533_202108191034532_0001 Docan Allmeter Range, SSHA, SWH and Backscatter Quality Firgs and backscatter Quality Firgs. CS_OFFL_SIR_GOPR_2_202108191043503_202108191044223_0001 Docan Allmeter Range, SSHA, SWH and Backscatter Quality Firgs and backscatter Quality Firgs. CS_OFFL_SIR_GOPR_2_202108191044252_0001 OCOG Allmeter Range, SSHA, SWH and Backscatter Quality Firgs and backscatter Quality Firgs. CS_OFFL_SIR_GOPR_2_202108191044252_0001 OCOG Allmeter Range, SSHA, SWH and Backscatter Quality Firgs have been set for one or more records. CS_OFFL_SIR_GOPR_2_202108191052117_202108191052120_2001 OCOG Allmeter Range, SSHA, SWH and Backscatter Quality Firgs have been set for one or more records. CS_OFFL_SIR_GOPR_2_202108191052117_202108191052820_0001 OCOG Allmeter Range, SSHA, SWH and Backscatter Quality Firgs have been set for one or more records. CS_OFFL_SIR_GOPR_2_202108191052117_202108191052820_0001	CS_OFFL_SIR_GOPR_2_20210819T030323_20210819T030512_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_2021081910314902108191031816_0001 OCCG Backscatter Quality or more records. CS_OFFL_SIR_GOPR_2_202108191034141_202108191034552_0001 Occan Altmeter Range, SSHA, SWH and Backscatter Quality FLRAN, OCCO Altmeter Range, and Backscatter Quality FLRAN, OCCO Altmeter Range, and Backscatter Quality FLRAN, OCCO Altmeter Range, and Backscatter Quality FLRAN, OCCO Altmeter Range, SSHA, SWH, and Backscatter Quality FLRAN, OCCO Altmeter Range, SSHA, SWH, and Backscatter Quality FLRAN, OCCO Altmeter Range, and Backscatter Quality FLRAN, OCCO Altmeter Range, SSHA, SWH, and Backscatter Quality FLRAN, OCCO Altmeter Range and Backscatter Quality FLRAN, OCCO Altmeter Range and B	CS_OFFL_SIR_GOPR_2_20210819T030835_20210819T031204_C001		
CS_OFFL_SIR_GOPR_2_20210819T034141_20210819T034552_0001 Ime Decimal Status (Daily) Plags and Backscatter Quality PLRM_OCOG CS_OFFL_SIR_GOPR_2_20210819T035533_20210819T035931_C001 Ime Decimal Status CS_OFFL_SIR_GOPR_2_20210819T035533_20210819T045203_0011 Decimal Minister Range, SSHA, SWH CS_OFFL_SIR_GOPR_2_20210819T045503_20210819T044223_0001 Decimal Minister Range, SSHA, SWH CS_OFFL_SIR_GOPR_2_20210819T044652_20210819T044223_0001 Decimal Minister Range, SSHA, SWH CS_OFFL_SIR_GOPR_2_20210819T044652_20210819T0445206_0001 OCOG Allimeter Range, SSHA, SWH CS_OFFL_SIR_GOPR_2_20210819T044652_20210819T045706_0001 OCOG Allimeter Range, SSHA, SWH CS_OFFL_SIR_GOPR_2_20210819T044652_20210819T045706_0001 OCOG Allimeter Range, SSHA, SWH CS_OFFL_SIR_GOPR_2_20210819T052820_C001 OCOG Allimeter Range, SSHA, SWH Mathewer Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_GOPR_2_20210819T053852_20210819T053812_C001 OCOG Allimeter Range, SSHA, SWH Minister Range and Backscatter Quality Flags The OCOG Allimeter Range and Backscatter Quality Flags CS_OFFL_SIR_GOPR_2_20210819T053852_20210819T053812_C001 OCOG Allimeter Range and Backscatter Quality Flags CS_OFFL_SIR_GOPR_2_20210819T054646_C001 OCOG Allimeter Range and Backscatter Quality Flags CS_OFFL_SIR_GOPR_2_20210819T06464	CS_OFFL_SIR_GOPR_2_20210819T031457_20210819T031816_C001		
Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH CS_OFFL_SIR_GOPR_2_20210819T043503_20210619T044223_C001 The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T044552_20210819T044552_C001 OCCG Altimeter Range Quality PLRM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T044652_20210819T045706_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T042117_20210819T052620_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCG CG Backscatter Quality PLBM, OCG Altimeter Range, SSHA, SWH and Backscatter Quality FLBM, OCGG Backscatter Quality PLBM, OCG Altimeter Range, SSHA, SWH and Bac	CS_OFFL_SIR_GOPR_2_20210819T034141_20210819T034552_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20210819T043503_20210819T044223_0001 and Backscatter Quality PLRM, OCCOG Allmeter Range and Backscatter Quality FLRM, OCCOG Backscatter Quality PLRM, OCCOG Backscatter Quality PLRM, OCCOG Backscatter Quality PLRM, OCCOG Backscatter Quality PLRM, OCCOG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T044652_20210819T052620_0001 OCCOG Allmeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCOG Allmeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T052117_20210819T052620_0001 OCCGA Allmeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCOG Allmeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T053652_20210819T053912_0001 OCCG Allmeter Range Quality PLRM, OCCOG Allmeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T061511_20210819T061600_C001 OCCG Allmeter Range Quality PLRM, OCCG Backscatter Quality FLRM, OCCG Allmeter Range Quality PLRM, OCCG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T0764648_C001 OCCG Allmeter Range Quality PLRM, OCCG Allmeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T075646_C001 OCCG Allmeter Range,	CS_OFFL_SIR_GOPR_2_20210819T035533_20210819T035931_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_202108191044652_202108191052620_C001 OCCG Backscatter Quality or more records. CS_OFFL_SIR_GOPR_2_202108191052117_202108191052620_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCCG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPR_2_202108191053652_202108191053912_C001 Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatter Quality The OCGG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Range and Backscatter Quality Flags and the OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_202108191064609_202108191070608_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_202108191070000_2021081910705046_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags Anave been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality <td< td=""><td>CS_OFFL_SIR_GOPR_2_20210819T043503_20210819T044223_C001</td><td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></td<>	CS_OFFL_SIR_GOPR_2_20210819T043503_20210819T044223_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20210819T052117_20210819T052620_C001 and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T053652_20210819T053912_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_GOPR_2_20210819T053652_20210819T053912_C001 and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T061511_20210819T061600_C001 OCOG Altimeter Range Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T064609_20210819T064648_C001 OCOG Altimeter Range Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T070000_20210819T070608_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T075444_20210819T075946_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T075444_20210819T075946_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T075444_20210819T075946_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. <td< td=""><td>CS_OFFL_SIR_GOPR_2_20210819T044652_20210819T045706_C001</td><td></td><td></td></td<>	CS_OFFL_SIR_GOPR_2_20210819T044652_20210819T045706_C001		
CS_OFFL_SIR_GOPR_2_20210819T053652_20210819T053912_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, oCOG COG Attimeter Range Quality PLRM, oCOG COG Backscatter Quality PLRM, oCOG COG Backscatter Quality PLRM, oCOG COG Backscatter Quality PLRM, oCOG COG Backscatter Quality PLRM, oCOG COG Attimeter Range Quality PLRM, oCOG Attimeter Range Quality PLRM, oCOG COG Attimeter Range Quality PLRM, oCOG Attimeter Range, SSHA, SWH The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T070646409_20210819T070608_C001 OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range, and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags. The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags. CS_OFFL_SIR_GOPR_2_20210819T075444_20210819T075946_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or mo	CS_OFFL_SIR_GOPR_2_20210819T052117_20210819T052620_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_202108191061511_202108191061600_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_GOPR_2_20210819T0646609_20210819T064648_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_20210819T070000_20210819T070608_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T075444_20210819T075946_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T075444_20210819T075946_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T075444_20210819T075946_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T085631_20210819T085741_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T091136_20210819T091937_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Qua	CS_OFFL_SIR_GOPR_2_20210819T053652_20210819T053912_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_202108191064649_202108191064648_C001 OCOG Backscatter Quality or more records. CS_OFFL_SIR_GOPR_2_202108191070000_202108191070608_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality FLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Fla	CS_OFFL_SIR_GOPR_2_20210819T061511_20210819T061600_C001		
CS_OFFL_SIR_GOPR_2_20210819T070000_20210819T070608_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20210819T064609_20210819T064648_C001		
CS_OFFL_SIR_GOPR_2_20210819T075444_20210819T075946_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20210819T091136_20210819T091937_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one	CS_OFFL_SIR_GOPR_2_20210819T070000_20210819T070608_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20210819T085631_20210819T085741_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been PLRM OCOG Altimeter Range and Backscatter Quality Flags have been set for one	CS_OFFL_SIR_GOPR_2_20210819T075444_20210819T075946_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPR_2_20210819T085631_20210819T085741_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPR_2_20210819T091136_20210819T091937_C001	OCOG Altimeter Range Quality PLRM,	

	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimater Bongs, SCHA, SWH and Real/coatter Quality Flags
CS_OFFL_SIR_GOPR_2_20210819T093436_20210819T094049_C001	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_20210819T102136_20210819T102326_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_20210819T103548_20210819T103729_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_20210819T133817_20210819T134259_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_20210819T142856_20210819T143026_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_20210819T143409_20210819T144157_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_20210819T151839_20210819T152231_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_20210819T153225_20210819T153637_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_20210819T160445_20210819T160555_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_20210819T161419_20210819T162231_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_20210819T165734_20210819T165947_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_20210819T171116_20210819T171510_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_20210819T175345_20210819T180108_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_20210819T183701_20210819T183755_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_20210819T184859_20210819T185600_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_20210819T193259_20210819T193819_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_20210819T193844_20210819T194026_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_20210819T195928_20210819T200130_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_20210819T201603_20210819T201710_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_20210819T202350_20210819T202353_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_20210819T213250_20210819T213954_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_20210819T225011_20210819T225838_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_20210819T233357_20210819T233600_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_20210819T234719_20210819T234942_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.
I 2 Quality Flags (1 Hz & 1Hz PI RM)		

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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> 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:

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: 65

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.

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Number of products with errors:

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:

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:

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 Corection, 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.

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Product	Test Failed	Description
CS_OFFL_SIR_GOP_220210819T003317_20210819T012256_C001	Mean Sea 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_220210819T012256_20210819T021231_C001	Mean Sea 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_220210819T021231_20210819T030211_C001	Mean Sea 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_220210819T030211_20210819T035146_C001	Mean Sea 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_220210819T035146_20210819T044125_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc 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_220210819T044125_20210819T053101_C001	Mean Sea 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_220210819T053101_20210819T062040_C001	Mean Sea 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_220210819T062040_20210819T071015_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc 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_220210819T071015_20210819T075955_C001	Mean Sea 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_220210819T075955_20210819T084930_C001	Mean Sea 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_220210819T084930_20210819T093909_C001	Mean Sea 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_220210819T093909_20210819T102845_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_GOP_220210819T102845_20210819T111824_C001	Mean Sea 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_220210819T111824_20210819T120759_C001	Mean Sea 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_220210819T120759_20210819T125739_C001	Mean Sea 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_220210819T125739_20210819T134714_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_GOP_220210819T134714_20210819T143653_C001	Mean Sea 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_20210819T143653_20210819T152629_C001	Mean Sea 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_20210819T152629_20210819T161608_C001	Mean Sea 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_20210819T161608_20210819T170543_C001	Mean Sea 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_20210819T170543_20210819T175523_C001	Mean Sea 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_220210819T175523_20210819T184458_C001	Mean Sea 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_220210819T184458_20210819T193437_C001	Mean Sea 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_220210819T193437_20210819T202412_C001	Mean Sea 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_220210819T202412_20210819T211352_C001	Mean Sea 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_220210819T211352_20210819T220327_C001	Mean Sea 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_220210819T220327_20210819T225307_C001	Mean Sea 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_220210819T225307_20210819T234242_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

1

6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. 2

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220210819T053101_20210819T062040_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_220210819T202412_20210819T211352_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)

Number of products with errors:

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 dir	ectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.
Number of products with errors:	28
P2P Quality Flags (1 Hz & 1Hz PL	RM)
Since the P2P Quality Flags are copied dir	ectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.
Number of products with errors:	30
6.8 P2P Ocean Retracking Qua	lity 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.

28

30

Number of products with errors:

P2P Retracking Flags PLRM

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

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

Number of products with errors:

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.

No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
159	159	4	155	0
101	101	0	101	0
107	107	0	107	0
159	159	98	61	0
101	101	27	74	0
107	107	41	66	0
29	29	0	29	0
	159 101 107 159 101 107	159 159 101 101 107 107 159 159 101 101 107 107	159 159 4 101 101 0 107 107 0 159 159 98 101 101 27 107 107 41	159 159 4 155 101 101 0 101 107 107 0 107 159 159 98 61 101 101 27 74 107 107 41 66

7.1 QCC Errors

Number of QCC reports with errors:

7.2 QCC Warnings

Number of QCC reports with warnings

2285

0

Due duet True e	BCSHNCDF	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCI	DDS70D0EDNCDE
SIR GOPM1B	155	0	0	0	0	0	0
SIR_GOPM_2	0	43	41	1	42	0	36
SIR_GOPN1B	107	0	0	0	0	0	0
SIR_GOPN_2	0 96	9 0	36 0	5 0	27 0	31 0	25 0
SIR_GOPR1B SIR GOPR 2	0	44	47	1	40	35	24
	-					I.	1
Product Type	RMSSGHOPONCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC			RPEPOPFDSINNCDF
SIR_GOPM1B SIR GOPM 2	0	0	40	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	0	0	25	0	35
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	0	1	U	53	0	56	0
Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2 SIR_GOPN1B	33 0	0	0	5 0	33 0	0	5 0
SIR GOPN 2	0	0	29	21	49	57	30
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	0	50	0	2	68	47	9
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_GOPM1B	0	0	0	1	0	0	0
SIR_GOPM_2	41	0	3	1	0	0	0
SIR_GOPN1B	0 36	0 32	0 17	0	0 2	51 0	0
SIR_GOPN_2 SIR_GOPR1B	0	0	0	0	0	101	4
SIR_GOPR_2	39	52	1	0	1	0	0
		WWOEDEDWODE		MUNODE	DD070D05D5DN0D5	RBSZOPOEPFDPLRMNCI	
SIR GOP 2	IOHHMOOR 15	29	MVIOEPNCDF 29	MVIONCDF 6	RBSZOPOEPFDNCDF 29	18	29
0		20	20	C .	20	10	20
Product Type	RMSSGHOPONCDF	RNELPOTONCDF	RPEPOPFDPLRMSINNCE		RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF
SIR_GOP_2_	1	1	19	29	23	17	29
Product Type	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-
SIR_GOP_2_	18	25	29	20	14	29	
Test Description Kev:							
Test Description Key: Abbreviation	Test name			Details	L	1	
	Test name BurstCounterStep20HzNetC	CDF	1		e one higher with regard to th	he previous burst counter	
Abbreviation				The burst counter should be		he previous burst counter pe 0 only for latitudes betwee	n -70 and 70 degrees
Abbreviation BCSHNCDF	BurstCounterStep20HzNet0	udingPolarFD2NetCDF		The burst counter should be The value should not be a '	missing value' for surface typ		-
Abbreviation BCSHNCDF MVIOEPFDNCDF MVIOEPNCDF	BurstCounterStep20HzNet0 MissingValueIntOceanExclu	udingPolarFD2NetCDF udingPolarNetCDF		The burst counter should be The value should not be a 'n The value should not be a 'n	missing value' for surface typ missing value' for surface typ	be 0 only for latitudes betwee	-
Abbreviation BCSHNCDF MVIOEPFDNCDF MVIOEPNCDF MVIONCDF	BurstCounterStep20HzNetC MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanNetC	udingPolarFD2NetCDF udingPolarNetCDF CDF	:D2NetCDE	The burst counter should be The value should not be a 'i The value should not be a 'i The value should not be a 'i	missing value' for surface typ missing value' for surface typ missing value' for surface typ	be 0 only for latitudes betwee be 0 only for latitudes betwee be 0 only	n -70 and 70 degrees
Abbreviation BCSHNCDF MVIOEPFDNCDF MVIOEPNCDF MVIONCDF RBSZOPOEPFDNCDF	BurstCounterStep20HzNetC MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanNetC RangeBackscatterSigmaZe	udingPolarFD2NetCDF udingPolarNetCDF :DF roOPOceanExcludingPolarF		The burst counter should be The value should not be a ' The backscatter sigma zero between -70 and 70 degree	missing value' for surface typ missing value' for surface typ missing value' for surface typ o should be between 700 and is	be 0 only for latitudes betwee be 0 only for latitudes betwee be 0 only d 7500 (or missing) for surfac	n -70 and 70 degrees e type = ocean for latitudes
Abbreviation BCSHNCDF MVIOEPFDNCDF MVIOEPNCDF MVIONCDF RBSZOPOEPFDNCDF RBSZOPOEPFDPLRM	BurstCounterStep20HzNetC MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanNetC RangeBackscatterSigmaZe	udingPolarFD2NetCDF udingPolarNetCDF CDF		The burst counter should be The value should not be a 'I The value should not be a 'I The value should not be a 'I The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero	missing value' for surface typ missing value' for surface typ missing value' for surface typ o should be between 700 and so should be between 700 and	be 0 only for latitudes betwee be 0 only for latitudes betwee be 0 only	n -70 and 70 degrees e type = ocean for latitudes
Abbreviation BCSHNCDF MVIOEPFDNCDF MVIOEPNCDF MVIONCDF RBSZOPOEPFDNCDF	BurstCounterStep20HzNetC MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe	udingPolarFD2NetCDF udingPolarNetCDF :DF roOPOceanExcludingPolarF	D2PLRMNetCDF	The burst counter should be The value should not be a 'n The value should not be a 'n The value should not be a 'n The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero	missing value' for surface typ missing value' for surface typ missing value' for surface typ should be between 700 and so should be between 700 and so should be between 700 and	be 0 only for latitudes betwee be 0 only for latitudes betwee be 0 only d 7500 (or missing) for surfac	n -70 and 70 degrees e type = ocean for latitudes e type = ocean for latitudes
Abbreviation BCSHNCDF MVIOEPFDNCDF MVIOEPNCDF MVIONCDF RBSZOPOEPFDNCDF RBSZOPOEPFDPLRM NCDF	BurstCounterStep20HzNetC MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe	udingPolarFD2NetCDF udingPolarNetCDF :DF roOPOceanExcludingPolarF roOPOceanExcludingPolarF roOPOceanExcludingPolarN	D2PLRMNetCDF	The burst counter should be The value should not be a 'I The value should not be a 'I The value should not be a 'I The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The MS3/geoid height shou	missing value' for surface typ missing value' for surface typ missing value' for surface typ o should be between 700 and should be between 700 and should be between 700 and s	be 0 only for latitudes betwee be 0 only for latitudes betwee be 0 only d 7500 (or missing) for surfac d 7500 (or missing) for surfac	n -70 and 70 degrees e type = ocean for latitudes e type = ocean for latitudes e type = ocean for latitudes
Abbreviation BCSHNCDF MVIOEPFDNCDF MVIONCDF RBSZOPOEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDPLRM NCDF RBSZOPOEPNCDF RMSSGHOPONCDF	BurstCounterStep20HzNet0 MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeMSSGeoidHeightOP	udingPolarFD2NetCDF udingPolarNetCDF DF roOPOceanExcludingPolarF roOPOceanExcludingPolarF roOPOceanExcludingPolarN OCeanNetCDF	D2PLRMNetCDF	The burst counter should be The value should not be a 'n The value should not be a 'n The value should not be a 'n The backscatter sigma zerc between -70 and 70 degree The MSS/geold height shou NetCDF	missing value' for surface typ missing value' for surface typ missing value' for surface typ o should be between 700 and should be between 700 and should be between 700 and should be between 700 and statute between 106000mm	be 0 only for latitudes betwee be 0 only for latitudes betwee be 0 only d 7500 (or missing) for surfac d 7500 (or missing) for surfac d 7500 (or missing) for surfac and 88000mm (or missing) for	n -70 and 70 degrees e type = ocean for latitudes e type = ocean for latitudes e type = ocean for latitudes or surface type = ocean -
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Abbreviation BCSHNCDF MVIOEPFDNCDF MVIONCDF RBSZOPOEPFDNCDF RBSZOPOEPFDNCDF RBSZOPOEPFDPLRM NCDF RBSZOPOEPNCDF RMSSGHOPONCDF	BurstCounterStep20HzNetC MissingValueIntOceanExclu MissingValueIntOceanExclu MissingValueIntOceanNetC RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeMSSGeoidHeightOP RangeNELPOceanTideOce RangePeakinessExcludingf	udingPolarFD2NetCDF udingPolarNetCDF :DF roOPOceanExcludingPolarF roOPOceanExcludingPolarF roOPOceanExcludingPolarN OceanNetCDF eanNetCDF PolarOPFD2LRMNetCDF	D2PLRMNetCDF	The burst counter should be The value should not be a 'I The value should not be a 'I The value should not be a 'I The backscatter sigma zerc between -70 and 70 degree The backscatter sigma zerc between -70 and 70 degree The backscatter sigma zerc between -70 and 70 degree The MS3(geoid height shou NetCDF The Non-equilibrium long p surface type = ocean The Peakiness should be b and 70 degrees	missing value' for surface typ missing value' for surface typ missing value' for surface typ o should be between 700 and is o should be between 700 and is o should be between 700 and is di be between -106000mm eriod ocean loading tide heig etween 0 and 6400 (or missi	be 0 only for latitudes betwee be 0 only for latitudes betwee be 0 only d 7500 (or missing) for surfac d 7500 (or missing) for surfac d 7500 (or missing) for surfac and 88000mm (or missing) fo ght should be between -40mm ing) for surface type = ocean	n -70 and 70 degrees e type = ocean for latitudes e type = ocean for latitudes e type = ocean for latitudes or surface type = ocean - n and 40mm (or missing) for for latitudes between -70
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7.3 Missing QCC Reports

Number of products with missing QCC reports:

0