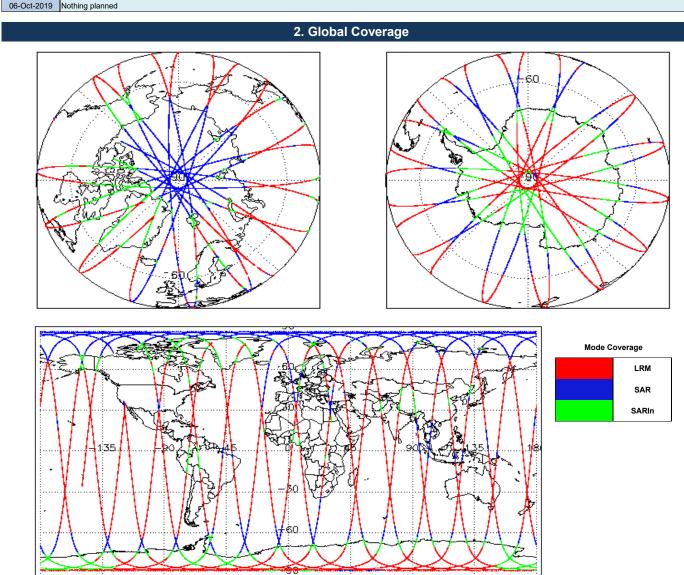


IDEAS+ Daily Report for GOP data:

<u>05/10/2019</u>

port Production:	06-Nov-2019	Check	L1 & L2	P2P		
on Production.	00-1107-2019	Server check: science-pds.cryosat.esa.int	Nominal	Nominal		
ocessor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal		
ocessor useu.	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal		
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal		
Data Useu.	L1B, L2 & P2P Science Data	L1B, L2 & P2P Science Data	L1B, L2 & P2P Science Data	L1B, L2 & P2P Science Data Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal		
		Auxiliary Correction Error Check	Nominal	Nominal		
		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		

Wission / Instrument News		
04-Oct-2019	None	
05-Oct-2019	None	
00 0++ 2010	Mathing planns	



3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

0

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis		
For all products, a series of pre-defined checks are performed on the	e MPH and SPH in order to identify any inconsistencies	s and/or errors raised by the ground-segment processing chain.
1B Processing Quality HR: The l1b_proc_flag_hr flag is current OSARIn chains. A modification is required in the next release.	y set all L1B GOPR and GOPN products because the I1	b_processing_quality_hr field is not correctly configured in the OSAR and
Number of products with errors: 0		
4.3 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with resp	pect 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 measure	ment record. The bit value of this flag indicates any prob	blems when set.
Number of products with errors: 0		
4.5 L1B Measurement Confidence Data Chec	k	
CryoSat L1B data includes a measurement confidence flag for eacl	n measurement record. The bit value of this flag indicate	es any problems when set.
Attitude Correction Missing: This flag is currently set in error for (GOPR products due to a configuration issue. This is bei	ng investigated and will be updated in the next SW update.
Number of products with errors: 1		
Product	Test Failed	Description

There is an error in the scaling of the L1B waveform for one or more

records

CS_OFFL_SIR_GOPM1B_20191005T000805_20191005T001006_C001 Power scaling error

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.

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Number of products with errors:

4.6 L1B Waveform Group Data Check

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20191005T034349_20191005T040218_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20191005T053139_20191005T054128_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20191005T064616_20191005T064830_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20191005T143004_20191005T150546_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20191005T202621_20191005T205217_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191005T002604_20191005T002732_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191005T033429_20191005T033551_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191005T042938_20191005T043124_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191005T050829_20191005T051247_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191005T061246_20191005T061413_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191005T064830_20191005T065357_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191005T173251_20191005T173428_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191005T182715_20191005T182737_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191005T183429_20191005T183445_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191005T201119_20191005T201626_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20191005T010031_20191005T010446_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20191005T075036_20191005T075304_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20191005T115610_20191005T115632_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20191005T151255_20191005T151621_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20191005T232517_20191005T233340_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 Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.

> Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20191005T054331_20191005T055802_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20191005T063158_20191005T064453_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_GOPM_2_20191005T183841_20191005T185258_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20191005T231820_20191005T232517_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_20191005T000618_20191005T000647_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_20191005T001306_20191005T001346_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20191005T002604_20191005T002732_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20191005T010446_20191005T010801_C001	Mean Sea 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_20191005T011314_20191005T011431_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_20191005T025219_20191005T025333_C001	Mean Sea 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_20191005T033129_20191005T033403_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20191005T033429_20191005T033551_C001	Mean Sea 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_20191005T050829_20191005T051247_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20191005T051352_20191005T051500_C001	Mean Sea 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_20191005T060754_20191005T061026_C001	Mean Sea 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_20191005T064830_20191005T065357_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 heigh (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20191005T074703_20191005T075035_C001	Mean Sea 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_20191005T082827_20191005T083219_C001	Mean Sea 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_20191005T092812_20191005T092954_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_20191005T123718_20191005T123841_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_20191005T124408_20191005T124721_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_20191005T141650_20191005T141804_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_20191005T142305_20191005T142625_C001	Mean Sea 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_20191005T155740_20191005T160017_C001	Mean Sea 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_20191005T160210_20191005T160836_C001	Mean Sea 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_20191005T165252_20191005T165255_C001	Mean Sea 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_20191005T173517_20191005T173912_C001	Mean Sea 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_20191005T183207_20191005T183220_C001	Mean Sea 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_20191005T191510_20191005T191705_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records

CU_CIPULERCOOPEL_200100001001102_0001101020001001 March Sala Salatine (1) March Dynamic Teacher (1) Company (1) Comp	CS_OFFL_SIR_GOPN_2_20191005T192525_20191005T192712_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
Carl, Dirich, Gard, Carl,	CS_OFFL_SIR_GOPN_2_20191005T201119_20191005T201626_C001	Topography (1), Total Geocentric Ocean	Topography height (solution 1) and the Total Geocentric Ocean Tide height
Open Lines Control Transport (1) Transport (1) Transport (1) Control More Des Control More Des Control Transport (1) Transport (1) Control More Des Control More Des Control Transport (1) Transport(CS_OFFL_SIR_GOPN_2_20191005T205442_20191005T205601_C001	Mean Dynamic Topography (1)	
63.0FFL.98.00PL 2.0001000T02000 20191000122000 201910001022000 201910001000000 Man Dynamic Toography (1) Table December 2000000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20191005T215139_20191005T215339_C001		
Corr L, Sin Corr L, Sin Corr L, 2011/0001/00102 (2011) Main Display (applice) (1) France means CS OFEL, Sin Corr L, 2011/0001/001202 (2011) Main Display (applice) (1) These is an error with the MSS headt (applice) (1) and the MSS headt (applice) (1) CS OFEL, Sin, Corr L, 2011/0001/001202 (2011) Main Display (1) These is an error with the MSS headt (applice) (1) of the MSS headt (applice) (1) CS OFEL, Sin, Corr L, 2011/0001/001202 (2011) Main Display (1) These is an error with the MSS headt (applice) (1) of the MSS headt (applice) (1) CS, OFEL, Sin, Corr L, 2011/0001/001202 (2011) Main Eds Exiting (1), Main Typerson (1) These is an error with the MSS headt (applice) (1) of the MSS headt (1) CS, OFEL, Sin, Corr L, 2011/0001/01124 (2011) Main Eds Exiting (1), Main Typerson (1) These is an error with the MSS headt (applice) (1) of the MSS headt (1) CS, OFEL, Sin, CORR L, 2011/0001/01124 (2011) Main Eds Exiting (1), Main Typerson (1) These is an error with the MSS headt (applice) (1) of the MSS headt (1) CS, OFEL, Sin, CORR L, 2011/0001/01124 (2011) Main Eds Exiting (1), Main Typerson (1) These is an error with the MSS headt (applice) (1) of the MSS headt (1) CS, OFEL, Sin, CORR L, 2011/0001/01124 (2011) Main Eds Exiting (1), Main Typerson (1) These is an error with the MSS headt (applice) (1) of the MSS headt (applice)	CS_OFFL_SIR_GOPN_2_20191005T223608_20191005T223808_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean
Control Encoder/Sector Encoder/Sector Encoder/Sector CB, OPFL_SRL_COPPL_2.0191005T055552_0001 Month Sector (1) Meen Durants Tave is an one with the MSS height (outburn 1) deen back to provide the Man Durants CB, OPFL_SRL_COPPL_2.0191005T05552_0010 Month Sector (1) Meen Durants Tave is an one with the MSS height (outburn 1) deen Meen Durants CB, OPFL_SRL_COPPL_2.0191005T05552_0010 Meen Sec Surface (1) Meen Durants Tave is an one with the MSS height (outburn 1) deen Meen Durants CB, OPFL_SRL_COPPL_2.0191005T05552_0010 Meen Sec Surface (1) Meen Durants Tave is an one with the MSS height (outburn 1) deen Meen Durants CB, OFFL_SRL_COPPL_2.0191005T051562_0001 Meen Sec Surface (1) Meen Durants Tave is an one with the MSS height (outburn 1) deen Meen Durants CB, OFFL_SRL_COPPL_2.0191005T051562_0001 Meen Sec Surface (1) Meen Durants Tave is an one with the MSS height (outburn 1) deen Meen Durants CB, OFFL_SRL_COPPL_2.0191005T051561 Meen Sec Surface (1) Meen Durants Tave is an one with the MSS height (outburn 1) deen Meen Durants CB, OFFL_SRL_GOPPL_2.0191005T015262_001 Meen Sec Surface (1) Meen Durants Tave is an one with the MSS height (outburn 1) deen Meen Durants CB, OFFL_SRL_GOPPL_2.0191005T015262_011 Meen Sec Surface (1) Meen Durants Tave is an one with the MSS height (outburn 1) deen Meen Durants	CS_OFFL_SIR_GOPR_2_20191005T000514_20191005T000618_C001	Mean Dynamic Topography (1)	
Control Trapagraphy (1) Trapagraphy (1) Trapagraphy (1) Trapagraphy (1) C5. 0FTL_SROPTL_2.01910051705352_0190061703572_01001 New State (1), Meen Dynamic New State (1), Meen Dynamic New State (1), Meen Dynamic C5. 0FTL_SROPTL_2.01910051706120_2.01910051706120_0001 New State (1), Meen Dynamic Trapagraphy (1) The is an encry with the MSS height (colution 1) or 0 to or more records C5. 0FTL_SRODTR_2.201910051706120_2.01910051706120_2.0001 New State (1), Meen Dynamic There is an encry with the MSS height (colution 1) or 0 to more records C5. 0FTL_SRODTR_2.201910051706102_2.01910051706120_2.0001 Mean State State (1), Mean Dynamic There is an encry with the MSS height (colution 1) for one or more records C5. 0FTL_SRODTR_2.201910051706102_2.01910051706120_2.0001 Mean State State (1), Mean Dynamic Trapagraphy (1) C6. 0FTL_SRODTR_2.201910051706102_2.0010 Mean State State (1), Mean Dynamic Trapagraphy (1) C6. 0FTL_SRODTR_2.201910051706102_2.01010051701020_0001 Mean State State (1), Mean Dynamic Trapagraphy (1) C6. 0FTL_SRODTR_2.20191005170302_0010707020_0001 Mean State State (1), Mean Dynamic Trapagraphy (1) C6. 0FTL_SRODTR_2.20191005170302_0010707020_0001 Mean State State (1), Mean Dynamic Trapagraphy (1) C6. 0FTL_SRODTR_2.20	CS_OFFL_SIR_GOPR_2_20191005T001621_20191005T002408_C001		
CPL_PER_SPL_OPT_C_D110100002_C011010002_C0101 Traggraphy (1) Traggraphy (1) Traggraphy (1) Traggraphy (1) CS_OPT_SPL_SPL_OPT_C_D1101000100002_C0101 Mont Sole Suffice (1), Mont Dynamic Traggraphy (1) Trage 1 and crow with the MSS begit (caluten 1) set the Mann Dynamic CS_OPT_SPL_SPL_OPT_C_D1101000100002_C0101 Mont Sole Suffice (1), Mont Dynamic Trage 1 and crow with the MSS begit (caluten 1) and the Mann Dynamic CS_OPT_SPL_SPL_OPT_C_D11010007_C010002_C0101 Means Sole Suffice (1), Mont Dynamic Trage 1 and crow with the MSS begit (caluten 1) and the Mann Dynamic CS_OPT_SPL_SPL_OPT_C_D11010007_C010000_C0101 Means Sole Suffice (1), Mann Dynamic Trage 1 and crow with the MSS begit (caluten 1) and the Mann Dynamic CS_OPT_SPL_SPL_OPT_C_D11010007_C01000_C0101 Means Sole Suffice (1), Mann Dynamic Trage 1 and crow with the MSS begit (caluten 1) and the Mann Dynamic CS_OPT_SPL_SPL_OPT_C_D11010007_C010000_C0101 Means Sole Suffice (1), Mann Dynamic Trage 1 and crow with the MSS begit (caluten 1) and the Mann Dynamic CS_OPT_SPL_SPL_OPT_C_D11010007_C010000_C0100001 Means Sole Suffice (1), Mann Dynamic Trage 1 and crow with the MSS begit (caluten 1) and the Mann Dynamic CS_OPT_SPL_SPL_OPT_C_D11010007_C0201_C0100 Means Sole Suffice (1), Mann Dynamic Trage 1 and crow with the MSS begit (caluten 1) and the MSNn Dynamic CS_OPT_SPL_SPL_OPT_C0	CS_OFFL_SIR_GOPR_2_20191005T015610_20191005T020338_C001		
Control Endpoint Topography (n) Topography (n) Topography (n) C6 OFFL_SIR_COPR_2_201910051105100_201910051105202_2001 Man See Surface (1). Man Dynamic Topography Leight (colution 1) for one or more records C6 OFFL_SIR_COPR_2_201910051105102_7201910051105202_001 Man See Surface (1). Man Dynamic Topography Leight (colution 1) and the Ma	CS_OFFL_SIR_GOPR_2_20191005T033552_20191005T033722_C001		
Display Display Topography (j) Topography (j) Topography legit (subtition 1) for one or more records CS_OFIL_SIR_GORP_2_20191005T081245_C001 Mean Sea Surface (1) There is an error with the MSS height (subtition 1) and the Mean Dynamic Topography (a) for one or more records CS_OFIL_SIR_GORP_2_20191005T081245_C001 Mean Sea Surface (1), Mean Dynamic Topography (a) for one or more records CS_OFIL_SIR_GORP_2_20191005T081245_C001 Mean Sea Surface (1), Mean Dynamic Topography (a) for one or more records CS_OFIL_SIR_GORP_2_20191005T071435_20191005T072251_C001 Mean Sea Surface (1), Mean Dynamic Topography (a) for one or more records CS_OFIL_SIR_GORP_2_20191005T071435_20191005T081282_C001 Mean Sea Surface (1), Mean Dynamic Topography (a) for one or more records CS_OFIL_SIR_GORP_2_20191005T1071435_20191005T107252_C001 Mean Sea Surface (1), Mean Dynamic Topography (a) for one or more records CS_OFIL_SIR_GORP_2_20191005T114502_C001 Mean Sea Surface (1), Mean Dynamic Topography Legit (a) for one or more records CS_OFIL_SIR_GORP_2_20191005T113552_C001 Mean Sea Surface (1), Mean Dynamic Topography Legit (a) for one or more records CS_OFIL_SIR_GORP_2_20191005T13555_C001 Mean Sea Surface (1), Mean Dynamic Topography Legit (a) for one or more records CS_OFIL_SIR_GORP_2_20191005T135357_C001 Mean Sea Surface (1), Mean Dynamic Topography Legit (a) for one or more records	CS_OFFL_SIR_GOPR_2_20191005T033722_20191005T034334_C001		
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CPUT_EN_CONF_CADIFICS Construction Teopraphy (1) Teopraphy (2) CS_OFR_SIR_COPR_2_20191005T06510_20191005T072551_0001 Mean Sea Surface (1), Mean Dynamic Teopraphy (1) There is an error with the MSS height (solution 1) for one or more records CS_OFR_SIR_COPR_2_20191005T01435_20191005T072251_0001 Mean Sea Surface (1), Mean Dynamic Teopraphy (1) There is an error with the MSS height (solution 1) for one or more records CS_OFR_SIR_COPR_2_20191005T100250_20191005T102251_0001 Mean Sea Surface (1), Mean Dynamic Teopraphy (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Teopraphy (1) CS_OFR_SIR_COPR_2_20191005T100250_20191005T10205_0010714_0001 Mean Sea Surface (1), Mean Dynamic Teopraphy (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Teopraphy (1) CS_OFFL_SIR_COPR_2_20191005T102052_001005T102076_0001 Mean Sea Surface (1), Mean Dynamic Teopraphy Height (solution 1) and the Mean Dynamic Teopraphy (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Teopraphy (1) CS_OFFL_SIR_COPR_2_20191005T132052_00105T132357_0001 Mean Sea Surface (1), Mean Dynamic Teopraphy Height (solution 1) and the Mean Dynamic Teopraphy (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Teopraphy Height (solution 1) and the Mean Dynamic Teopraphy (1) CS_OFFL_SIR_COPR_2_20191005T132362_01005T132362_0001 Mean Sea Surface (1), Mean Dynamic Teopraphy Height (solution 1) and the Mean Dynamic Teopraphy Height (soluti	CS_OFFL_SIR_GOPR_2_20191005T061027_20191005T061245_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CPFR_BIR_GOPR_2_2019100511263212_2019100511225_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_20191005110632125_C001 Mean Dynamic Topography (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20191005110032125_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_201910051100321205_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20191005110032120705_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_201910051132015_201910051132075_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_201910051132015_201910051133267_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_201910051132015_201910051133267_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography heigh	CS_OFFL_SIR_GOPR_2_20191005T065357_20191005T065509_C001		
CS_DFF_SIR_GOPR_2_20191005T16323_9_20191005T083725_C001 Intent (pigglippy (1)) or more records CS_OFFL_SIR_GOPR_2_20191005T08325_20191005T08725_C001 Man Sea Surface (1), Mean Dynamic Toography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Toography (1) CS_OFFL_SIR_GOPR_2_20191005T100245_20191005T110744_C001 Man Sea Surface (1), Mean Dynamic Toography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Toography (1) CS_OFFL_SIR_GOPR_2_20191005T114830_20191005T116603_C001 Mean Sea Surface (1), Mean Dynamic Toography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Toography (1) CS_OFFL_SIR_GOPR_2_20191005T12055_C011 Mean Sea Surface (1), Mean Dynamic Toography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Toography (1) CS_OFFL_SIR_GOPR_2_20191005T13205_C001 Mean Sea Surface (1), Mean Dynamic Toography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Toography (1) CS_OFFL_SIR_GOPR_2_20191005T151255_C001 Mean Sea Surface (1), Mean Dynamic Toography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Toography (1) CS_OFFL_SIR_GOPR_2_20191005T151255_C001 Mean Sea Surface (1), Mean Dynamic Toography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Toography (1) CS_OFFL_SIR_GOPR_2_20191005T161624_C011 Mean Sea Surface (1), Mean Dynamic Toography	CS_OFFL_SIR_GOPR_2_20191005T065510_20191005T070059_C001		
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CS_OFFL_SIR_GOPR_2_20191005116432_201910051165143_201910051165143_201910051165252_C001Topography (1)Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T165143_20191005T165252_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T173428_20191005T173516_C001Mean Sea Surface (1)There is an error with the MSS height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T182540_20191005T182714_C001Mean Sea Surface (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T182835_20191005T183206_C001Mean Sea 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 recordsCS_OFFL_SIR_GOPR_2_20191005T20533_20191005T201119_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T214634_20191005T215139_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T231432_20191005T231525_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T231525_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T231432	CS_OFFL_SIR_GOPR_2_20191005T151255_20191005T151621_C001		
CS_OFFL_SIR_GOPR_2_20191005T165143_20191005T173516_C001Mean Sea Surface (1)Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T182540_20191005T182714_C001Mean Sea Surface (1)There is an error with the MSS height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T182540_20191005T182714_C001Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean DynamicCS_OFFL_SIR_GOPR_2_20191005T182835_20191005T183206_C001Mean Sea Surface (1), Mean DynamicThere is an error with the MSS height (solution 1) and the Mean DynamicCS_OFFL_SIR_GOPR_2_20191005T20533_20191005T201119_C001Mean Sea Surface (1), Mean DynamicThere is an error with the MSS height (solution 1) and the Mean DynamicCS_OFFL_SIR_GOPR_2_20191005T214634_20191005T215139_C001Mean Sea Surface (1), Mean DynamicThere is an error with the MSS height (solution 1) and the Mean DynamicCS_OFFL_SIR_GOPR_2_20191005T231432_20191005T231525_C001Mean Sea Surface (1), Mean DynamicThere is an error with the MSS height (solution 1) and the Mean DynamicCS_OFFL_SIR_GOPR_2_20191005T231432_20191005T231525_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T231432_20191005T23340_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T231432_20191005T23340_C001Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20191005T23340_C001Mean Sea Surface (1), Mean DynamicThere is an error	CS_OFFL_SIR_GOPR_2_20191005T164524_20191005T165143_C001		
CS_OFFL_SIR_GOPR_2_20191005T182540_20191005T182714_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_20191005T182835_20191005T183206_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20191005T200533_20191005T201119_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20191005T214634_20191005T215139_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20191005T231432_20191005T231525_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_GOPR_2_20191005T231432_20191005T231525_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_20191005T231432_20191005T231525_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_20191005T231432_20191005T231525_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the Mean Dynamic Topography (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20191005T231432_20191005T231525_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the Mean Dynamic Topography (solution 1) for one or more rec	CS_OFFL_SIR_GOPR_2_20191005T165143_20191005T165252_C001		
CS_OFFL_SIR_GOPR_2_20191005T182835_20191005T18206_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPR_2_20191005T200533_20191005T201119_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_GOPR_2_20191005T214634_20191005T215139_C001 Mean Sea 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_20191005T214634_20191005T215139_C001 Mean Sea 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_20191005T231432_20191005T231525_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_20191005T231432_20191005T231525_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_20191005T231432_20191005T233340_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_GOPR_2_20191005T173428_20191005T173516_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20191005T200533_20191005T201119_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20191005T200533_20191005T201119_C001 Mean Sea 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_20191005T214634_20191005T215139_C001 Mean Sea 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_20191005T231432_20191005T231525_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_20191005T231432_20191005T231525_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the Mean Dynamic Topography (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20191005T2321432_20191005T233540_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_GOPR_2_20191005T182540_20191005T182714_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_GOPR_2_20191005T214634_20191005T215139_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20191005T214634_20191005T215139_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20191005T231432_20191005T231525_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_20191005T231432_20191005T231525_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the Mean Dynamic Topography (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20191005T232517_20191005T233340_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_GOPR_2_20191005T182835_20191005T183206_C001		
CS_OFFL_SIR_GOPR_2_20191005T231432_20191005T231525_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_GOPR_2_20191005T231432_20191005T231525_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_20191005T232517_20191005T233340_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_GOPR_2_20191005T200533_20191005T201119_C001		
CS_OFFL_SIR_GOPR_2_20191005T232517_20191005T233340_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_GOPR_2_20191005T214634_20191005T215139_C001		
US UEEL SIR GUPR 2 201910051232517 201910051233340 C001	CS_OFFL_SIR_GOPR_2_20191005T231432_20191005T231525_C001	Mean Dynamic Topography (1)	
	CS_OFFL_SIR_GOPR_2_20191005T232517_20191005T233340_C001		

CryoSat L2 data includes a measurement confidence flag for each 20-Hz mea	surement record. The bit value of this flag indic	ates any problems when set.
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20191005T000805_20191005T001006_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more record
6.6 L2 Measurement Quality Flag Check		
_2 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 pr	ovides the full list of products flagged.
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags: The	ese flags are currently set for some records over	er ocean.
OCOG Altimeter Range and Backscatter Quality Flags: These flags are of	currently set for some records over continental i	ce.
lumber of products with errors: 86		
roduct	Test Failed	Description
	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flage
S_OFFL_SIR_GOPM_2_20191005T001346_20191005T001536_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
S_OFFL_SIR_GOPM_2_20191005T002732_20191005T010031_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have been
	Altimeter Range and Backscatter Quality	set for one or more records.
	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been s
S_OFFL_SIR_GOPM_2_20191005T010801_20191005T011314_C001	Backscatter Quality	for one or more records.
	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag
S_OFFL_SIR_GOPM_2_20191005T011854_20191005T013420_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have be
	Altimeter Range and Backscatter Quality	set for one or more records.
S OFEL SID CODM 2 201010057020445 201010057021606 C001	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag
S_OFFL_SIR_GOPM_2_20191005T020445_20191005T021606_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.
	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag
S_OFFL_SIR_GOPM_2_20191005T021837_20191005T023445_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have be
	Altimeter Range and Backscatter Quality	set for one or more records.
S_OFFL_SIR_GOPM_2_20191005T023453_20191005T023952_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have be
3_011 L_311(_GOPM_2_201910031023433_201910031023932_0001	Altimeter Range and Backscatter Quality	
	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag
S_OFFL_SIR_GOPM_2_20191005T025731_20191005T031629_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have be
	Altimeter Range and Backscatter Quality	set for one or more records.
S OFFL SIR GOPM 2 20191005T031705 20191005T032142 C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have be
	Altimeter Range and Backscatter Quality	
	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag
S_OFFL_SIR_GOPM_2_20191005T032215_20191005T032947_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T032947_20191005T033123_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have bee
	Altimeter Range and Backscatter Quality	set for one or more records.
	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
S_OFFL_SIR_GOPM_2_20191005T034349_20191005T040218_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag
CS_OFFL_SIR_GOPM_2_20191005T040329_20191005T041905_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have be
	Altimeter Range and Backscatter Quality	set for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T042135_20191005T042659_C001	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been s
5_011E_01(C_001101_2_201010001042100_201010001042000_0001	Backscatter Quality	for one or more records.
	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag
CS_OFFL_SIR_GOPM_2_20191005T043805_20191005T045032_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have be
CS_OFFL_SIR_GOPM_2_20191005T045137_20191005T050829_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have be
	Altimeter Range and Backscatter Quality	
	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag
S_OFFL_SIR_GOPM_2_20191005T053139_20191005T054128_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.
S_OFFL_SIR_GOPM_2_20191005T054331_20191005T055802_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have be
	Altimeter Range and Backscatter Quality	
	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been s
S_OFFL_SIR_GOPM_2_20191005T060101_20191005T060557_C001	Backscatter Quality	for one or more records.
	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been s
S_OFFL_SIR_GOPM_2_20191005T060635_20191005T060754_C001		for one or more records.
S_OFFL_SIR_GOPM_2_20191005T060635_20191005T060754_C001	Backscatter Quality	
S_OFFL_SIR_GOPM_2_20191005T060635_20191005T060754_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have be

Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Additional Range and Backscatter Quality Flags have but for one or more records. CS_OFFL_SIR_GOPM_2_20191005T072525_20191005T074511_C001 OCGA Altimeter Range Quality, OCGG The OCEAN Altimeter Range and Backscatter Quality Flags have but for one or more records. CS_OFFL_SIR_GOPM_2_20191005T074533_20191005T074511_C001 OCGA Altimeter Range Quality, OCGG The OCEAN Altimeter Range and Backscatter Quality Flags have but for one or more records. CS_OFFL_SIR_GOPM_2_20191005T074533_20191005T074541_C001 OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have but for one or more records. CS_OFFL_SIR_GOPM_2_20191005T075305_20191005T074541_C001 OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have but for one or more records. CS_OFFL_SIR_GOPM_2_20191005T075305_20191005T091223_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have but for one or more records. CS_OFFL_SIR_GOPM_2_20191005T091232_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have but for one or more records. CS_OFFL_SIR_GOPM_2_20191005T091252_0191005T091233_C001 Ocean Altimeter Range and Backscatter Quality and the OCGA Altimeter Range and Backscatter Quality Flags have but for one or more records. CS_OFFL_SIR_GOPM_2_20191005T092446_20191005T092424_C001 OCCG Altimeter Range and Backscatter Quality Flags have but for one or more records. CS_OFFL_SIR_GOPM_2_20191005T092446_20191005T092812_C001 OCCG Altimeter Range And Ba
GS_OFFL_SIR_GOPM_2_201910051074321_2001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20191005T074533_20191005T074541_C001 OCOG Altimeter Range Quality, OCOG The OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have brown ere records. CS_OFFL_SIR_GOPM_2_20191005T075305_20191005T081829_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have brown ere records. CS_OFFL_SIR_GOPM_2_20191005T085204_20191005T081233_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCGA Altimeter Range, and Backscatter Quality and the OCGA Altimeter Range, and Backscatter Quality and the OCGA Altimeter Range, and Backscatter Quality flags have brown ere records. CS_OFFL_SIR_GOPM_2_20191005T081235_20191005T081538_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and the OCGA Altimeter Range and Backscatter Quality and the OCGA Altimeter Range and Backscatter Quality flags have brown ere records. CS_OFFL_SIR_GOPM_2_20191005T082446_20191005T082424_C001 OCOGA Altimeter Range Quality, OCOG Backscatter Quality The OCGA Altimeter Range and Backscatter Quality Flags have brown ere ords. CS_OFFL_SIR_GOPM_2_20191005T083149_20191005T082812_C001 OCOGA Altimeter Range Quality, OCOG Backscatter Quality The OCGA Altimeter Range and Backscatter Quality Flags have brown ere ords. CS_OFFL_SIR_GOPM_2_20191005T083149_20191005T082812_C001 OCOGA Altimeter Range, SSHA, SWH and Backscatter Quality ere for one or more records. The OCOGA Altimeter Range
US_OFFL_SIR_GOPM_2_2019100510/4333_2019100510/4331_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20191005T075305_20191005T081829_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPM_2_20191005T085204_20191005T091233_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPM_2_20191005T091325_20191005T091538_C001 Ocean Altimeter Range and Backscatter Quality and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPM_2_20191005T091325_20191005T091538_C001 Ocean Altimeter Range and Backscatter Quality and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, Star and Backscatter Quality, Flags have bit for one or more records. CS_OFFL_SIR_GOPM_2_20191005T092040_20191005T092424_C001 OCCGA Altimeter Range Quality, COCG Backscatter Quality, CCG Backscatter Quality, CCG Gackscatter Quality, CCG The Ocean Altimeter Range and Backscatter Quality Flags have bit for one or more records. CS_OFFL_SIR_GOPM_2_20191005T092446_20191005T092812_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality, CCGG Altimeter Range, SSHA, SWH and Backscatter Quality for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, SCGG Altimeter Range, SSHA, SWH and Backscatter Quality, CCGG Altimeter Range, SSHA, SWH and Backscatter Quality, SCGG Altimeter Range,
CS_OFFL_SIR_GOPM_2_20191005T075305_20191005T081829_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20191005T085204_20191005T091233_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPM_2_20191005T091325_20191005T091233_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20191005T091325_20191005T091538_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPM_2_20191005T092040_20191005T092424_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_GOPM_2_20191005T092446_20191005T092812_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCean Altimeter Range and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_GOPM_2_20191005T093149_20191005T095821_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter
CS_OFFL_SIR_GOPM_2_20191005T085204_20191005T091233_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hav bet for one or more records. CS_OFFL_SIR_GOPM_2_20191005T091325_20191005T091538_C001 Ocean Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality The OCGA Altimeter Range and Backscatter Quality Flags hav bet for one or more records. CS_OFFL_SIR_GOPM_2_20191005T092040_20191005T092424_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCGA Altimeter Range and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_GOPM_2_20191005T092446_20191005T092812_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_GOPM_2_20191005T093149_20191005T095821_C001 OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags hav and the OCOG Altimeter Range and Backscatter Quality Flags hav attimeter R
CS_OFFL_SIR_GOPM_2_20191005T091325_20191005T091538_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_GOPM_2_20191005T092040_20191005T092424_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_GOPM_2_20191005T092446_20191005T092812_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCCG Altimeter Range and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_GOPM_2_20191005T093149_20191005T095821_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The OCCG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20191005T101816_20191005T102837_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20191005T102840_20191005T102837_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality for one or more records. The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality fags hav set for one or more records. CS_OFFL_SIR_GOPM_2_20191005T102840_20191005T105511_C001 <t< td=""></t<>
CS_OFFL_SIR_GOPM_2_201910051092040_201910051092424_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20191005T092446_20191005T092812_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_GOPM_2_20191005T093149_20191005T095821_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and Backscatter Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_GOPM_2_20191005T101816_20191005T102837_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and Backscatter Quality, OCOG The Ocean Altimeter Range and Backscatter Quality and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_GOPM_2_20191005T101816_20191005T102837_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and Backscatter Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_GOPM_2_20191005T102840_20191005T105511_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_GOPM_2_20191005T105845_20191005T105511_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality and Backscatter Quality, OCOG The Ocean Altimeter Range and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_GOPM_2_20191005T105845_20191005T105340_20191005T105340_20191005T105340_20191005T
CS_OFFL_SIR_GOPM_2_201910051092446_201910051092812_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20191005T093149_20191005T095821_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags hav at the OCOG Altimeter Range, and Backscatter Quality Flags hav set for one or more records. CS_OFFL_SIR_GOPM_2_20191005T101816_20191005T102837_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hav at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at the OCOG Altimeter Range and Backscatter Quality Flags hav at for one or more records. CS_OFFL_SIR_GOPM_2_20191005T102845_20191005T1105311_C001 OCOG Altimeter Range Quality, OCOG The OCCOG Altimeter Range and Backscatter Quality Flags hav at for one or more records. CS_OFFL_SIR_GOPM_2_20191005T105845_20191005T110338_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags hav at the OCO
CS_OFFL_SIR_GOPM_2_20191005T093149_20191005T095821_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_GOPM_2_20191005T101816_20191005T102837_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_GOPM_2_20191005T102840_20191005T102837_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_GOPM_2_20191005T102840_20191005T105511_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have altimeter Range and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have set for one or more records. CS_OFFL_SIR_GOPM_2_20191005T105845_20191005T105511_C001 Ocean Altimeter Range and Backscatter Quality set for one or more records. CS_OFFL_SIR_GOPM_2_20191005T105845_20191005T110338_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T101816_20191005T102837_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have CS_OFFL_SIR_GOPM_2_20191005T102840_20191005T105511_C001 and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH CS_OFFL_SIR_GOPM_2_20191005T102840_20191005T105511_C001 Ocean Altimeter Range, SSHA, SWH The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have CS_OFFL_SIR_GOPM_2_20191005T105845_20191005T105511_C001 OCOG Altimeter Range and Backscatter Quality The OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20191005T105845_20191005T110338_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have be
CS_OFFL_SIR_GOPM_2_20191005T102840_20191005T105511_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been been been been been been been be
CS_OFFL_SIR_GOPM_2_20191005T110345_20191005T110714_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have be for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T111156_20191005T114513_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hav Altimeter Range and Backscatter Quality set for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T115632_20191005T120052_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags hav Altimeter Range and Backscatter Quality set for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T123028_20191005T123150_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags hav Altimeter Range and Backscatter Quality set for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T123841_20191005T124408_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have be for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T125129_20191005T131235_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hav Altimeter Range and Backscatter Quality Flags hav set for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T131455_20191005T132615_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags hav Altimeter Range and Backscatter Quality set for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T133629_20191005T133925_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags hav Altimeter Range and Backscatter Quality set for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T134317_20191005T134335_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have be for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T135609_20191005T141237_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hav Altimeter Range and Backscatter Quality set for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T141804_20191005T142305_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have be for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T143004_20191005T150546_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags hav Altimeter Range and Backscatter Quality set for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T151621_20191005T151726_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags hav Altimeter Range and Backscatter Quality set for one or more records.
CS_OFFL_SIR_GOPM_2_20191005T152745_20191005T155041_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags hav Altimeter Range and Backscatter Quality set for one or more records.

CS_OFFL_SIR_GOPM_2_20191005T161011_20191005T162431_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_20191005T163111_20191005T164405_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_20191005T165812_20191005T171512_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_20191005T171726_20191005T173144_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_0FFL_SIR_GOPM_2_20191005T173912_20191005T174121_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_20191005T174210_20191005T174623_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_20191005T174900_20191005T180033_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_20191005T180053_20191005T180334_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_20191005T180535_20191005T181455_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_20191005T183457_20191005T183634_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_20191005T183841_20191005T185258_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_20191005T185303_20191005T185425_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_20191005T185940_20191005T191235_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_20191005T191705_20191005T192525_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_20191005T192848_20191005T194424_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_20191005T201626_20191005T202508_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_20191005T202621_20191005T205217_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_20191005T205601_20191005T205801_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_20191005T205845_20191005T210349_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_20191005T210855_20191005T213205_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_20191005T214058_20191005T214427_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_20191005T220404_20191005T223050_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_20191005T223808_20191005T224409_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_20191005T224731_20191005T231432_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_20191005T231820_20191005T232517_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_20191005T233707_20191006T000920_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_20191005T074542_20191005T074548_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_20191005T105720_20191005T105844_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_20191005T114513_20191005T114630_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_20191005T134336_20191005T134409_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_20191005T181455_20191005T181636_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_20191005T183355_20191005T183425_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_0FFL_SIR_GOPR_2_20191005T001207_20191005T001236_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_20191005T015427_20191005T015543_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_0FFL_SIR_GOPR_2_20191005T024801_20191005T024807_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_20191005T025333_20191005T025730_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_20191005T065510_20191005T070059_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_20191005T162630_20191005T163111_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.

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Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20191005T000618_20191005T000647_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_20191005T002604_20191005T002732_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_20191005T010446_20191005T010801_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_20191005T011314_20191005T011431_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_20191005T013420_20191005T013605_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_20191005T015543_20191005T015610_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_20191005T024203_20191005T024619_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_20191005T025219_20191005T025333_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_20191005T042938_20191005T043124_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_20191005T050829_20191005T051247_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_20191005T051352_20191005T051500_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_20191005T055918_20191005T060101_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_20191005T060754_20191005T061026_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_20191005T061246_20191005T061413_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_20191005T062718_20191005T063158_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_20191005T064830_20191005T065357_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_20191005T082612_20191005T082736_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_20191005T082827_20191005T083219_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_20191005T084712_20191005T084849_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_20191005T084948_20191005T085204_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_20191005T091812_20191005T092040_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_20191005T105720_20191005T105844_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_20191005T114513_20191005T114630_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_20191005T114711_20191005T114829_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_20191005T123718_20191005T123841_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_20191005T124408_20191005T124721_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_20191005T133521_20191005T133629_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_20191005T133925_20191005T134128_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_20191005T135318_20191005T135609_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_20191005T142305_20191005T142625_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_20191005T155740_20191005T160017_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_20191005T160210_20191005T160836_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_20191005T165252_20191005T165255_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_20191005T173251_20191005T173428_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_20191005T181455_20191005T181636_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_20191005T183207_20191005T183220_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_20191005T185425_20191005T185936_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_20191005T191510_20191005T191705_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_20191005T195206_20191005T195553_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_20191005T201119_20191005T201626_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_20191005T210349_20191005T210628_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_20191005T213205_20191005T213408_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_20191005T215139_20191005T215339_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_20191005T223405_20191005T223525_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_20191005T224409_20191005T224540_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_20191005T000138_20191005T000421_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_20191005T001006_20191005T001044_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_20191005T001621_20191005T002408_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_20191005T002522_20191005T002604_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_20191005T010032_20191005T010446_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_20191005T011431_20191005T011854_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_20191005T015427_20191005T015543_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_20191005T015610_20191005T020338_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_20191005T025333_20191005T025730_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_20191005T033552_20191005T033722_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_20191005T033722_20191005T034334_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_20191005T041905_20191005T042011_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_20191005T043124_20191005T043805_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_20191005T045032_20191005T045137_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_20191005T051500_20191005T052022_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_20191005T054128_20191005T054331_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_20191005T061027_20191005T061245_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_20191005T065357_20191005T065509_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_20191005T065510_20191005T070059_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_20191005T070521_20191005T070615_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_20191005T071435_20191005T072251_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_20191005T073641_20191005T073818_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_20191005T075036_20191005T075304_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_20191005T081829_20191005T082006_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_20191005T091538_20191005T091812_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_20191005T095913_20191005T095940_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_20191005T100925_20191005T101744_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_20191005T105511_20191005T105720_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_20191005T110856_20191005T111109_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_20191005T114830_20191005T115603_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_20191005T120520_20191005T120705_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_20191005T123151_20191005T123718_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_20191005T124722_20191005T125129_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_20191005T132615_20191005T133357_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_20191005T134128_20191005T134316_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_20191005T141237_20191005T141649_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_20191005T151255_20191005T151621_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_20191005T155041_20191005T155740_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_20191005T164524_20191005T165143_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_20191005T171512_20191005T171725_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_20191005T182540_20191005T182714_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_20191005T182737_20191005T182835_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_20191005T191235_20191005T191509_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_20191005T192713_20191005T192848_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_20191005T194424_20191005T194652_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_20191005T200533_20191005T201119_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_20191005T210628_20191005T210855_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_20191005T214634_20191005T215139_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_20191005T223050	_20191005T223404_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_20191005T232517	_20191005T233340_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
L2 Quality Flags (1 Hz & 1Hz PLR	M 1	1	-
Currently, there are several common flags	•	which are summarised below.	
> 1Hz and 1Hz Ocean SSHA Quality Flags:	These flags are currently set for	products over sea ice, which is to be expected	L
Number of products with errors:	183		
5.8 L2 Ocean Retracking Quali	ty Check		
L2 Retracking Flags (20Hz)			
CryoSat L2 data includes an ocean retracking	quality flag for each 20-Hz meas	surement record. The bit value of this flag indic	ates any problems when set.
Ocean Retracking Quality Flag: This flag is	currently set for products over lar	nd 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:	66		
L2 Retracking Flags (20Hz, PLRM)		
CryoSat L2 data includes an ocean retracking	quality flag for each 20-Hz PLRM	I measurement record. The bit value of this fla	g indicates any problems when set.
Ocean Retracking Quality Flag (PLRM): Th	is flag is currently set for products	GOPR and GOPN products over sea ice, but	this is to be expected.
Number of products with errors:	148		
	6. GOP L	2 Pole-to-Pole Data Quality	y Check
6.1 P2P Product Format Check			
Each product, retrieved and unpacked from th	e science server, is checked to e	nsure it consists of both an XML header file (.I	HDR) and a NetCDF product file (.nc).
Number of products with errors:	0		
6.2 P2P Product Header Analys	sis		
		I SPH in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.
Number of products with errors:	0		
6.3 P2P Auxiliary Data File Usa	ge Check		
Each product is checked for missing Data Set	Descriptors with respect to a pre	-determined baseline and also to check the va	lidity of Auxiliary Data Files is correct.
Number of products with errors:	0		
6.4 P2P Auxiliary Correction E	rror Check		
For all products, the auxiliary corrections with	n the Geophysical Group are che	ecked 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.

30

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220191004T232926_20191005T001900_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20191005T001900_20191005T010840_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_220191005T010840_20191005T015814_C001	Mean Sea 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_20191005T015814_20191005T024754_C001	Mean Sea 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_220191005T024754_20191005T033728_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220191005T033728_20191005T042707_C001	Mean Sea 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_220191005T042707_20191005T051641_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_220191005T051641_20191005T060621_C001	Mean Sea 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_220191005T060621_20191005T065555_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_220191005T065555_20191005T074534_C001	Mean Sea 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_20191005T074534_20191005T083508_C001	Mean Sea 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_220191005T083508_20191005T092448_C001	Mean Sea 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_220191005T092448_20191005T101422_C001	Mean Sea 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_220191005T101422_20191005T110402_C001	Mean Sea 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_220191005T110402_20191005T115336_C001	Mean Sea 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_220191005T115336_20191005T124315_C001	Mean Sea 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_220191005T124315_20191005T133249_C001	Mean Sea 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_220191005T133249_20191005T142229_C001	Mean Sea 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_220191005T142229_20191005T151203_C001	Mean Sea 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_220191005T151203_20191005T160142_C001	Mean Sea 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_220191005T160142_20191005T165116_C001	Mean Sea 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_220191005T165116_20191005T174056_C001	Mean Sea 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_220191005T174056_20191005T183030_C001	Mean Sea 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_220191005T183030_20191005T192009_C001	Mean Sea 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_220191005T192009_20191005T200943_C001	Mean Sea 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_220191005T200943_20191005T205923_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_220191005T205923_20191005T214857_C001	Mean Sea 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_220191005T214857_20191005T223837_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220191005T223837_20191005T232811_C001	Mean Sea 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_220191005T232811_20191006T001750_C001	Mean Sea 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

6.5 P2P Measurement Confidence Data Check

Number of products with errors:

30

CryoSat P2P data includes a measurement conf	idence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:	1
6.6 P2P Measurement Quality Fla	ıg Check
P2P Quality Flags (20Hz)	
CryoSat P2P data includes Quality Flags for eac	h 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.
Since the P2P Quality Flags are copied direct	ly 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 direct	ly 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 (1 Hz & 1Hz PLRM	
Since the P2P Quality Flags are copied direct	ly 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 Qualit	y Check
P2P Retracking Flags (20Hz) Cryosat P2P data includes an ocean retracking of	juality 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 fl	ag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.
Number of products with errors:	29
P2P Retracking Flags PLRM	
CryoSat L2 data includes an ocean retracking qu	ality 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 fl	ag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.