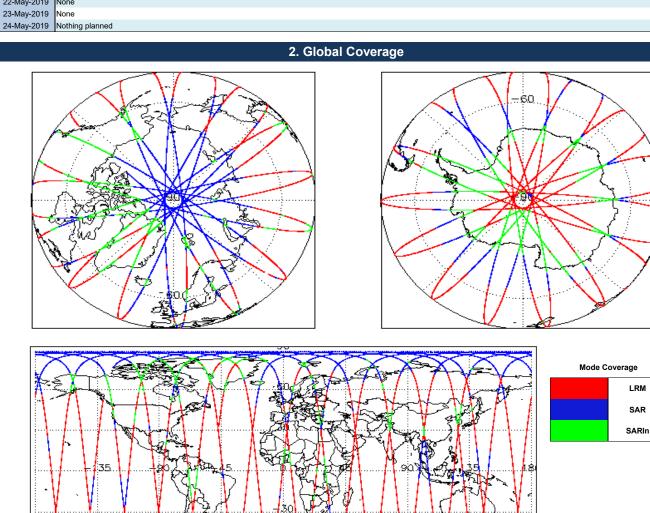


## IDEAS+ Daily Report for GOP data:

### 23/05/2019

1. Overview				
Report Production:	21-Jun-2019	Check	L1 & L2	P2P
	21 0011 2010	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
FIDCessor Used.	Cryosal 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	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
			•	

# Mission / Instrument News 22-May-2019 None



### 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).

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Number of products with errors:

Classifier         Test after product shader and presented on the MPH and SPH in order is identify any inconsistentices and the tegrand segment processing the List Processing challes. In fight is a constrained on the MPH and SPH in order is identify any inconsistentices are naised by the grand-segment processing challes. A model can be not related to the next release.           Number of products with errors:         0           Classifier Charles Charl			
Life Arceasing Quality HE: he life proceedings. But he life is carrently set al LIB GOPR and GOPR products because he life processing, quality, he field is not correctly configured in a Author of products with errors:           Q           Al LIB Auxiliary Data File Usage Check           Review of the set	4.2 L1B Product Header Analysis		
Bakther of products with errors:         0           4.1 Link Auxiliary Data File Usage Check         Image of products with errors:         0           4.1 Link Auxiliary Data File Usage Check         Image of products with errors:         0           4.1 Link Auxiliary Correction Error Check         Image of products with errors:         0           4.1 Link Auxiliary Correction Error Check         Image of products with errors:         0           4.1 Link Mackas a nearmenter confidence Big for each measurement record. The bit value of this flag indicates any problems when set.         Image of products with errors:         0           4.1 Link Mackas a nearmenter confidence Big for each measurement record. The bit value of this flag indicates any problems when set.         Image of products with errors:         0           4.5 Link Mackas a nearmenter confidence Big for each measurement record. The bit value of this flag indicates any problems when set.         Image of products with errors:         0           5.5 Link Waveform Group Data Check         Image of products with errors:         0         Image of products with errors:         0           6.5 CertSL:         Rick Big word(Wat with errors:         0         Image of products with errors:         Image of products with errors:           CrossL Link of word(Wat with errors:         0         Image of products with errors:         Image of products with errors:           CrossL Link of word(Wat with errors:	For all products, a series of pre-defined checks are performed on the MPH as	nd SPH in order to identify any inco	nsistencies and/or errors raised by the ground-segment processing chain.
A 3 L 18 Auxilary Data File Usage Check Each product is dreided for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0  4 L 18 data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0  4 S L 18 Measurement Confidence Bas Check CrossI LI 6 data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0  4 S L 18 Measurement Confidence Bag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0  4 S L 18 Measurement Confidence Bag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0  4 S L 18 Measurement confidence Bag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0  4 S L 18 Measurement errors: 1  5 Teach S Measure		1B GOPR and GOPN products bec	ause the I1b_processing_quality_hr field is not correctly configured in the OSAR and
A contract 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           4.4 L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.           Number of products with errors:         0           4.5 L1B data includes a measurement confidence Data Check         Corposal L18 data includes a measurement record. The bit value of this flag indicates any problems when set.           Number of products with errors:         0           4.5 L1B data includes a measurement confidence Data Check         Corposal L18 data includes a measurement record. The bit value of this flag indicates any problems when set.           Number of products with errors:         0           4.5 L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.           Number of products with errors:         0           4.5 L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.           Loss of Echo         The tracking each is missing for one or more records           CS, OFFL, SR, COPMIB_20100523700540_20100523700540_001         Loss of Echo         The tracking each is missing for one or more records           CS, OFFL, SR, COPMIB_20100523700540_20100523700540_001         Loss of Echo         The tracking each is missing for one or more records	Number of products with errors: 0		
Number of products with errors:	4.3 L1B Auxilary Data File Usage Check		
A LI B Auxiliary Correction Error Check  CyoSult LI B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.  Xumber of products with errors:  CyoSult LI B data includes a measurement confidence Data Check  CroSult LI B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.  Attitude correction Measing: This flag is currently set in error for GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.  Number of products with errors:  CyoSult LIB data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.  Lise of GebPeTIS:  The flag data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.  Lise of GebPeTIS:  The flag data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.  Lise of GebPeTIS:  The flag down Hig 201906227102053, 201906237102430, C001 Lises of Echo  CopFIL_SIR, GOPMHB 201906227102449, 201906237102434, C001 Lises of Echo  CopFIL_SIR, GOPMHB 2019062371022471, 2014006237102434, C001 Lises of Echo  CopFIL_SIR, GOPMHB 201906237102247, 201906237102435, C001 Lises of Echo  CopFIL_SIR, GOPMHB 201906237102247, 201906237102435, C001 Lises of Echo  CopFIL_SIR, GOPMHB 201906237102449, 20190623710245, C001 Lises of Echo  CopFIL_SIR, GOPMHB 20190623710245, 20190623710045, C001 Lises of Echo  CopFIL_SIR, GOPMHB 20190623710245, 20190623710045, C001 Lises of Echo	Each product is checked for missing Data Set Descriptors with respect to a p	pre-determined baseline and also to	check the validity of Auxiliary Data Files is correct.
CryOSAL LB data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors:	Number of products with errors: 0		
CryOSAL L1B data includes a correction error fug for each measurement record. The bit value of this flag indicates any problems when set.  Number of products with errors:	4.4 L1B Auxiliary Correction Error Check		
A.5 LB Measurement Confidence Data Check  CryoSat L1B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.  Kuttude Correction Missing: This flag is currently set in error for GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.  Kuttude Correction Missing: This flag is currently set in error for GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Missing: This flag is currently set for some products over land, but this is to be expected.  Kuttude Correction Miss	· · · · · · · · · · · · · · · · · · ·	ord. The bit value of this flag indicat	es any problems when set.
TypeSal L1B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.           Number of products with errors:         0           4.5 L1B Waveform Group Data Check		-	
Number of products with errors:         0           Action of products with errors:         0           Action of products with errors:         0	4.5 L1B Measurement Confidence Data Check		
Number of products with errors:         D           AL1ED Waveform Group Data Check:         D           Coycal L18 data includes a waveform data flag for each measurement record. The bit value of this flag incluses any problems when set:         D           Coycal L18 data includes a waveform data flag for each measurement record. The bit value of this flag incluses any problems when set:         Description           Coycal L18 data includes a waveform data flag for each measurement record. The bit value of this flag incluses any problems when set:         Description           Coy CHE_SIR_GOPMIB 20190623710205020100623710205040         Loss of Echo         The tracking echo is missing for one or more records           Coy CHE_SIR_GOPMIB 20190623710240400002371122404_001006237102434,001         Loss of Echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_GOPMIB 201906237102404_0010062371024450,001         Loss of Echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_GOPMIB 201906237102404_0010062371024450,001         Loss of Echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_GOPMIB 201906237102404_0010062371024450,001         Loss of Echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_GOPMIB 201906237102404_001006237102405,001         Loss of Echo         The tracking echo is missing for one or more records           CS_OFFL_SIR_GOPMIB 201906237102402,001006237102465,001         Loss of Echo <td< td=""><td>PryoSat L1B data includes a measurement confidence flag for each measure</td><td>ement record. The bit value of this f</td><td>ag indicates any problems when set.</td></td<>	PryoSat L1B data includes a measurement confidence flag for each measure	ement record. The bit value of this f	ag indicates any problems when set.
A.L.I.B. Waveform Group Data Check CryoSat L18 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. Number of products with errors: 25 Product Test Falled Description CS_OFFL_SIR_GOPM1B_201905237102653_2019052371075430_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPM1B_201905237102652_2019052371075430_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPM1B_2019052371122440_201905237112440_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPM1B_2019052371122440_201905237112440_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPM1B_201905237102272_01905237102482_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPM1B_201905237102404_201905237021425_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPN1B_201905237102482_201905237102485_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPN1B_201905237102782_20190523710282_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPN1B_201905237102782_20190523710282_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPN1B_201905237102782_20190523710285_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPN1B_20190523710282_20190523710285_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPN1B_20190523710282_20190523710285_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPN1B_20190523710382_201905237110285_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_GOPN1B_20190523710382_201905237110285_C001 Loss of Echo The tracking echo is missing for one o	Attitude Correction Missing: This flag is currently set in error for GOPR pro	oducts due to a configuration issue.	This is being investigated and will be updated in the next SW update.
CryoSal 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.           Number of products with errors:         25           Product         Test Failed         Description           129_OFFL_SIR_GOPM1B_201905237004633_20190523700540_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPM1B_201905237102452_01905237112444_2001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPM1B_20190523712442_01905237112442_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPM1B_201905237124242_0190523712425_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPN1B_201905237024604_201905237102452_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPN1B_20190523710242_201905237102452_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPN1B_20190523710242_201905237102452_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPN1B_20190523710242_201905237102452_C001         Loss of Echo         The tracking echo is missing for one or more records	lumber of products with errors: 0		
Cose of Echo Flag: This flag is currently set for some products over land, but this is to be expected.           Number of products         Test           Product         Test Failed         Description           25         Sp. GPFL_SIR_GOPMIB_20100523T005433_20100523T005430_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPMIB_20100523T005453_20100523T005430_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPMIB_20100523T102404_00109523T11240_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPMIB_20100523T102240_20100523T02602_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPNIB_20100523T026643_20100523T00642_20100523T00642_0010523T10065_001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPNIB_20100523T10262_0010         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPNIB_20100523T10262_00106_0         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPNIB_20109523T10262_0010	4.6 L1B Waveform Group Data Check		
Automation         State           Product         Tet Failed         Decription           S2         Second Echo Flag: This flag is currently set for some products over land, blut this is to be expected.           S2_OFFL_SIR_GOPMIB_2019052371005403_2019052371055400_C001         Loss of Echo         The tracking echo is missing for one or more records           S2_OFFL_SIR_GOPMIB_201905237105740_2019052371075400_C001         Loss of Echo         The tracking echo is missing for one or more records           S2_OFFL_SIR_GOPMIB_201905237112244_001         Loss of Echo         The tracking echo is missing for one or more records           S2_OFFL_SIR_GOPMIB_2019052371027642_01905237102402_001         Loss of Echo         The tracking echo is missing for one or more records           S2_OFFL_SIR_GOPMIB_2019052371027642_01905237102642_001         Loss of Echo         The tracking echo is missing for one or more records           S2_OFFL_SIR_GOPMIB_2019052371027642_0190523710262_001         Loss of Echo         The tracking echo is missing for one or more records           S2_OFFL_SIR_GOPMIB_201905237102642_01905237100825_0010         Loss of Echo         The tracking echo is missing for one or more records           S2_OFFL_SIR_GOPMIB_201905237112028_0190523710262_0010         Loss of Echo         The tracking echo is missing for one or more records           S2_OFFL_SIR_GOPMIB_20190523710262_0190523710262_0100         Loss of Echo         The tracking echo is missing for one or more records	PryoSat L1B data includes a waveform data flag for each measurement reco	ord. The bit value of this flag indicate	es any problems when set.
Aumen of products with errors:         25           Product         Test Failed         Description           25_OFFL_SIR_GOPM1B_20190523T004633_20190523T005904_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPM1B_20190523T107549_20190523T1075430_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPM1B_20190523T105740_20190523T117240_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPM1B_20190523T10272_0190523T175003_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPM1B_20190523T024104_20190523T070425_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPN1B_20190523T070452_20190523T070425_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPN1B_20190523T102452_0190523T102455_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPN1B_20190523T102452_0190523T102455_C001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPN1B_20190523T102452_0190523T102452_001         Loss of Echo         The tracking echo is missing for one or more records           25_OFFL_SIR_GOPN1B_20190523T102452_0190523T102455_0001         Loss of Echo         The track		-	
S2_OFFL_SIR_GOPM1B_20190523T004633_20190523T075430_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_GOPM1B_20190523T107540_20190523T122449_20190523T122444_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_GOPM1B_20190523T122449_20190523T122434_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_GOPM1B_20190523T17227_20190523T172043_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_GOPM1B_20190523T07220_20190523T01282_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_GOPN1B_20190523T07202_0190523T044953_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_GOPN1B_20190523T07282_0190523T044953_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_GOPN1B_20190523T070842_20190523T02825_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_GOPN1B_20190523T12028_20190523T102855_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_GOPN1B_20190523T12028_20190523T120821_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_GOPN1B_20190523T120820_20190523T120820_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_GOPN1B_20190523T12082_20190523T12082_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_GOPN1B_20190523T12082_20190523T12082_C001Loss of EchoThe tracking echo is missing for one or more recordsS3_OFFL_SIR_G		·	
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S2_OFFL_SIR_GOPR1B_20190523T170211_20190523T171108_C001       Loss of Echo       The tracking echo is missing for one or more records         S2_OFFL_SIR_GOPR1B_20190523T220558_20190523T221132_C001       Loss of Echo       The tracking echo is missing for one or more records	CS_OFFL_SIR_GOPR1B_20190523T133929_20190523T134144_C001		

### 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).

0

Number of products with errors:

#### 5.2 L2 Product Header Analysis

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

56

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190523T034702_20190523T034722_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_20190523T230218_20190523T231934_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_20190523T235248_20190524T000814_C001	GPD Wet Tropospheric Correction	There is an error with the GPD Wet Tropospheric correction for one or more records
CS_OFFL_SIR_GOPN_2_20190523T001948_20190523T002320_C001	GPD Wet Tropospheric Correction	There is an error with the GPD Wet Tropospheric correction for one or more records
CS_OFFL_SIR_GOPN_2_20190523T003642_20190523T003755_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_20190523T003937_20190523T004133_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_20190523T011627_20190523T012224_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_20190523T021604_20190523T021825_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_20190523T021854_20190523T022040_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_20190523T025841_20190523T030033_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_20190523T035543_20190523T040020_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_20190523T043820_20190523T043958_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_20190523T061810_20190523T062156_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_20190523T075744_20190523T080101_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_20190523T084839_20190523T084928_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_20190523T094522_20190523T094629_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_20190523T102738_20190523T102855_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_20190523T120228_20190523T120621_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_20190523T120636_20190523T120807_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_20190523T130052_20190523T130706_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_20190523T134252_20190523T134657_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_20190523T144010_20190523T144331_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_20190523T152129_20190523T152518_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_20190523T165545_20190523T170211_C001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOPN_2_20190523T180015_20190523T180135_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_20190523T185849_20190523T185911_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_20190523T193016_20190523T193143_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_20190523T193707_20190523T194017_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_20190523T203310_20190523T203442_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_20190523T210956_20190523T211111_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records

	1	
CS_OFFL_SIR_GOPN_2_20190523T211605_20190523T211931_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_20190523T225042_20190523T225317_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_20190523T234553_20190523T234714_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_GOPR_2_20190523T003009_20190523T003430_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_20190523T003430_20190523T003641_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_20190523T020954_20190523T021604_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_20190523T035128_20190523T035543_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_20190523T052541_20190523T053626_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_20190523T070923_20190523T071709_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_20190523T084928_20190523T085959_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_20190523T102855_20190523T103619_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_20190523T120807_20190523T121327_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_20190523T131050_20190523T131318_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_20190523T134657_20190523T135152_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_20190523T135152_20190523T135404_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_20190523T152519_20190523T153038_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_20190523T170211_20190523T171108_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_20190523T184138_20190523T185107_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_20190523T185240_20190523T185458_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_20190523T185911_20190523T190026_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_20190523T201650_20190523T202701_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_20190523T202701_20190523T202830_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_20190523T215928_20190523T220558_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_20190523T220558_20190523T221132_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_20190523T233836_20190523T234445_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_20190523T234445_20190523T234553_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

#### 5.5 L2 Measurement Confidence Data Check

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

 Number of products with errors:
 0

#### 5.6 L2 Measurement Quality Flag Check

### L2 Quality Flags (20Hz)

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

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

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

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

Number of products with errors: 96

### Product

#### Test Failed Ocean Altimeter Range Quality, OCOO

CS\_OFFL\_SIR\_GOPM\_2\_20190522T235257\_20190523T000824\_C001

Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality

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

Description

DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons       DA OPPL_BR_QOWL_2 StateSetTron Lat_Cons     Decom Barton States, Call, Cons			
Care, Unit, Junit, Ju	CS_OFFL_SIR_GOPM_2_20190523T001026_20190523T001948_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
Call, Diell, Carl,	CS_OFFL_SIR_GOPM_2_20190523T002320_20190523T003009_C001		
CAL_SERVE_BR_GRENUL2_201932237304420_021         Adduction Finangs Callury, Cold Stateward         The Owen and Cold Attimeter Finangs Callury, Cold Stateward           CAL_SERV_BR_GRENUL2_20193237304420_0211932537304420_0211         Cold Stateward Finangs Callury, Cold Stateward         The Owen and Cold Attimeter Finangs Callury, Cold Stateward           CAL_SERV_BR_GRENUL2_201932537304420_0211620_0211         Cold Stateward Finangs Callury, Cold Stateward         The Owen and Cold Attimeter Finangs Callury, Cold Stateward           CAL_SERV_BR_GRENUL2_201932537304420_0211620_0211         Cold Stateward Finangs Callury, Cold Stateward         The Owen and Cold Attimeter Finangs Callury, Cold Stateward           CAL_SERV_BR_GRENUL2_201932537314620_2011620_021         Cold Attimeter Finangs Callury, Cold Stateward         The Owen and Cold Attimeter Finangs Callury, Cold Stateward           CAL_SERV_BR_GRENUL2_201932537314620_2011620_021         Cold Attimeter Finangs Callury, Cold Stateward         The Owen and Cold Attimeter Finangs Callury, Cold Stateward           CAL_SERV_SERV_GRENUL2_201932537314560_211660_021         Cold Cold Attimeter Finangs Callury, Cold Stateward         The OWEN ATTIMETER Finangs Callury, Cold Stateward           CAL_SERV_SERV_GRENUL2_201932537314560_211660_021         Cold Cold Attimeter Finangs Callury, Cold Stateward         The OWEN ATTIMETER Finangs Callury, Cold Stateward           CAL_SERV_SERV_GRENUL2_201932537314560_2117120116201_0211         Cold Cold Attimeter Finangs Callury, Cold Stateward         The OWEN ATTIMETER Finangs Callury, Cold Stateward	CS_OFFL_SIR_GOPM_2_20190523T003755_20190523T003936_C001	Backscatter Quality	
GS_GPFL_SR_GOPM_2_20190321T00182_0019022100182_001     Memore Harge Claship, CODE Sectors Database Harge Sectors and CODE Allineater Harge SERA, SWH et all Sectors Database Harge Sectors and CODE Allineater Harge SERA, SWH et all Sectors Database Harge Sectors and CODE Allineater Harge SERA, SWH et all Sectors Database Harge Sectors and CODE Allineater Harge SERA, SWH et all Sectors Database Harge Sectors and CODE Allineater Harge SERA, SWH et all Sectors Database Harge Sectors and CODE Allineater Harge SERA, SWH et all Sectors Database Harge Sectors and CODE Allineater Harge, SERA, SWH et all Sectors Database Harge Sectors Database Harge Sectors and CODE Allineater Harge, SERA, SWH et all Sectors Database Harge Sectors Database Harge Sectors Database Harge Sectors and Sectors and Sectors and Sectors and Sectors Database Harge Sectors and Sectors and Sectors and Sectors and Sectors and Sectors Database Harge Sectors and Sector	CS_OFFL_SIR_GOPM_2_20190523T004207_20190523T004429_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
CS_0FF_SR_00PU_2_010802101000_10000       Amount Progr. SIMA_00PU_48 flacks.ether Basely, Documentation Program Simous Control Program Simous C	CS_OFFL_SIR_GOPM_2_20190523T004633_20190523T005904_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
C2, CFFL_SR_COPM_2_20190321701207_20196221705564_20196521705763_001     Minterest Range Casily, Cockin SHM, Casily, Casily       C3, CFFL_SR_COPM_2_20190321705564_20196521705763_001     CCCC Alternet Range Casily, Cockin SHM, Casily, Casily       C4, CFFL_SR_COPM_2_20190321705564_20196521705763_001     CCCC Alternet Range Casily, Cockin SHM, Casily, Casil SHM, Casil, SHM, SHM and Baskscafer Casily       C5, CFFL_SR_COPM_2_20190321705564_20196521705763_001     CCCC Alternet Range Casily, Cockin SHM, Casil, SHM, SHM and Baskscafer Casily       C6, CFFL_SR_COPM_2_20190321705762_0196521705763_001     CCCCA Alternet Range Casily, Cockin SHM, SHM, Range	CS_OFFL_SIR_GOPM_2_20190523T011526_20190523T011627_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
C3_OFFL_SR_00P4_2_0010052170543_00100521705432_00005     COOG Allineter Range Cutlity, COOG Marketer Range, State, Sonta       C3_OFFL_SR_00P4_2_001005217052302_0010523702302_001     Coese Allineter Range Cutlity, COOG Marketer Range, State, Sonta       C3_OFFL_SR_00P4_2_00100523702302_0010523702302_001     Coese Allineter Range Cutlity, COOG Marketer Range, State, Sonta       C3_OFFL_SR_00P4_2_00100523702302_0010523702300_001     Coese Allineter Range Cutlity, COOG Marketer Range, State, Sonta       C3_OFFL_SR_00P4_2_00100523702300_0010     Coese Allineter Range Cutlity, COOG Marketer Range, State, Sonta       C3_OFFL_SR_00P4_2_00100523703000_001     Coese Allineter Range Cutlity, COOG Marketer Range, State, Sonta       C3_OFFL_SR_00P4_2_00100523703000_001     Coese Allineter Range Cutlity, COOG Marketer Range Cutlity, COOG Marketer Range, State, Sonta       C3_OFFL_SR_00P4_2_00100523703100_01     Coese Allineter Range Cutlity, COOG Marketer Range Cutlity, COOG Marketer Range, State, Sonta       C3_OFFL_SR_00P4_2_0010052703103101_COOF     CoCGA Allineter Range Cutlity, COOG Marketer Range, State, Sonta       C3_OFFL_SR_00P4_2_00100527040103_00100527053710_COOF     Cocker Allineter Range Cutlity, COOG Marketer Range, State, Sonta       C3_OFFL_SR_00P4_2_00100527040103_00100527054710_COOF     Cocker Allineter Range Cutlity, COOG Marketer Range, State, Sonta       C3_OFFL_SR_00P4_2_00100527040540_0010052705470_COOF     Cocker Allineter Range Cutlity, COOG Marketer Range, State, Sonta       C3_OFFL_SR_00P4_2_00100527054264_001052705470_COOF     Cocker Allineter Range Cutlity, COOG Marketer Range Cutlity, COOG Marketer Range	CS_OFFL_SIR_GOPM_2_20190523T013237_20190523T014653_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
D2_0FPL_BR_GOPM_2_00140237102202_0014     Attender Range Galls, Octor Baskander Cally, Figs Invo Even et for one or note records.       C8, OFFL SiR, GOPM 2_20190237104105, 20190237104172, 20190237104172, 20190237104172, 20190237104172, 20190237104172, 20190237104172, 20190237104172, 20190237104	CS_OFFL_SIR_GOPM_2_20190523T015543_20190523T015653_C001	OCOG Altimeter Range Quality, OCOG	
CS_OFFL_SR_GOPM_2_2019623T02335_2019023T02F33_Q001       Alimeter Renge Outly, Ocean SHA Quarty       The Ocean and COCO Animeter Renge SHA, SWA and Backscatter Quarty         CS_OFFL_SR_GOPM_2_2019622T00233_2019023T00001_Q001       CGO Alimeter Renge Outly, Ocean SHA Quarty       The OCOS Alimeter Renge Outly, Ocean SHA Duarty         CS_OFFL_SR_GOPM_2_2019622T012121_2019022T0313_Q001       CGO Alimeter Renge Outly, Ocean SHA Quarty       The OCOS Alimeter Renge Outly, Ocean SHA Quarty       The OCOS Alimeter Renge Outly, Ocean SHA Quarty       The OCOS Alimeter Renge Outly, OCOS Alimeter Renge Outly, OCOS Alimeter Renge, SHA, SWH and Backs	CS_OFFL_SIR_GOPM_2_20190523T023202_20190523T023232_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	
CS_OFFL_SIR_GOPM_2_20190523T03032_0190523T03210_0001     Bekszetter Quality     Ec ose in more records.       CS_OFFL_SIR_GOPM_2_20190523T01211_20190523T032710_0001     Corean Attimeter Range Quality, Occos     The Osen and OCOO Altimeter Range, SSHA_SWH and Backscatter Quality, Occos       CS_OFFL_SIR_GOPM_2_20190523T041035_20190523T041943_0001     Corean Attimeter Range Quality, Occos     The Osen and OCOO Altimeter Range, SSHA_SWH and Backscatter Quality, Occos       CS_OFFL_SIR_GOPM_2_20190523T041035_20190523T041943_0001     Corean Attimeter Range Quality, Occos     The Osen and OCOO Altimeter Range, SSHA_SWH and Backscatter Quality, Occos       CS_OFFL_SIR_GOPM_2_20190523T041943_0010     Corean Attimeter Range Quality, OCOO Backscatter Quality, Occos     The Osen and OCOO Altimeter Range, SSHA_SWH and Backscatter Quality, Occos       CS_OFFL_SIR_GOPM_2_20190523T041942_00100523T041902_0001     COCOA Attimeter Range Quality, OCOO Backscatter Quality, Cocos     The Osen and OCOO Altimeter Range, SSHA_SWH and Backscatter Quality, Cocos       CS_OFFL_SIR_GOPM_2_20190523T04190_20100523T051714_COD1     COCOA Attimeter Range Quality, OCOO Backscatter Quality, Cocos Sthat Quality, Cocos     The OSen and OCOO Altimeter Range, SSHA_SWH and Backscatter Quality Fings have been set for one or more records.       CS_OFFL_SIR_GOPM_2_20190523T061903_20190523T052012_O001     COCOA Altimeter Range Quality, OCOO Backscatter Quality Fings have been set for one or more records.       CS_OFFL_SIR_GOPM_2_20190523T064315_20190523T0643557_C0011     COCOA Altimeter Range Quality, OCOO Backscatter Quality Fings have been set for one or more records.       CS_OFFL_SIR_GOPM_2_2019052	CS_OFFL_SIR_GOPM_2_20190523T023355_20190523T025733_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
CS_OFFL_SIR_GOPM_2_20190523101211_001905231033718_0001       Allmeter Rango Dailly, Ocean SNH, Dually, Cean SNH, Dua	CS_OFFL_SIR_GOPM_2_20190523T030033_20190523T030901_C001	Backscatter Quality	
CS_OFFL_SIR_GOPM_2_20106523T041035_20100523T041943_C001       Attimeter Range Quality, Ocean SBHA Quality, Ocean and OCCG Attimeter Range, SBHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20106523T042516_20190523T043620_C001       DCOCG Attimeter Range Quality, OCCG Backscatter Quality, Cocen SWHQ Quality, Ocean SWHQ Quality, OCCG Backscatter Quality       DCOCG Attimeter Range Quality, OCCG Backscatter Quality, COCG Backscatter Quality       The Ocean and OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20100523T044242_0100523T044702_C001       DCOCG Attimeter Range Quality, OCCG Backscatter Quality, Cocen Backscatter Quality, Cocen Backscatter Quality       The Ocean and OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20100523T045103_20190523T051714_C001       DCOCG Attimeter Range Quality, OCCG Backscatter Quality       The Ocean and OCCG Attimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20100523T054315_20190523T052012_C001       DCOCG Attimeter Range Quality, OCCG Backscatter Quality       The OCCG Attimeter Range, SSHA, SWH and Backscatter Quality       The Ocean and OCCG Attimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20100523T054315_20190523T054315_20190523T055716_C001       DCOCG Attimeter Range Quality, OCCG Backscatter Quality       The OCCGA Attimeter Range, SSHA, SWH and Backscatter Quality       The OCCGA Attimeter Range, SSHA, SWH and Backscatter Quality       The OCCGA Attimeter Range, SSHA, SWH and Backscatter Quality       The	CS_OFFL_SIR_GOPM_2_20190523T031211_20190523T033713_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
CS_OFFL_SIR_GOPM_2_20190523T042516_20190523T043620_C001       Allineter Range Cuality, Ocean SMH audity, Ocean Mackscatter Cuality, Cocean Mackscatter Cuality, Ocean Mack	CS_OFFL_SIR_GOPM_2_20190523T041035_20190523T041943_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
CS_OFFL_SIR_GOPM_2_20190523106426_201905231064762_001         Backscatter Quality         for one or more records.           CS_OFFL_SIR_GOPM_2_201905231064100_201905231051714_C001         Construction of the Cost of t	CS_OFFL_SIR_GOPM_2_20190523T042516_20190523T043620_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
CS_OFFL_SIR_GOPM_2_20190523T045100_20190523T051714_C001       Altimeter Range Quality, Ocean SHA Backscatter Quality, Ocean SHA Dackscatter Quality, Ocean Altimeter Range Qualit	CS_OFFL_SIR_GOPM_2_20190523T044245_20190523T044702_C001		
CS_OFFL_SIR_GOPM_2_201905231054315_20190523105231052310523105231052310523105231	CS_OFFL_SIR_GOPM_2_20190523T045100_20190523T051714_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
CS_OFFL_SIR_GOPM_2_20190523T054315_20190523T055857_C001       Altimeter Range Quality, Ocean SHH Quality, Oceean SHH Quality, Ocean SHH Quality, Ocean SHH Quality,	CS_OFFL_SIR_GOPM_2_20190523T051803_20190523T052012_C001	Backscatter Quality	
CS_OFFL_SIR_GOPM_2_20190523T060427_20190523T061516_C001       Altimeter Range Quality, Ocean SHA Quality, Ocean SWH Quality, Ocean SHA Quality Coean SWH Quality, OCOG Backscatter Quality       The Ocean and OCOG Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20190523T062156_20190523T062741_C001       OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SHA Quality, Ocean SHA Quality, Ocean SWH Quality, Ocean SHA Quality, Ocean SWH Quality, Ocean SWH Quality, Ocean SWH Quality, Ocean SWH Quality, Ocean SWH Quality, Ocean	CS_OFFL_SIR_GOPM_2_20190523T054315_20190523T055857_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
CS_OFFL_SIR_GOPM_2_20190523T062924_20190523T063522_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPM_2_20190523T062924_20190523T063522_C001       Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20190523T064026_20190523T064434_C001       OCCOG Altimeter Range Quality, OCOG Backscatter Quality, OCCOG Backscatter Quality, OCCOG Backscatter Quality, OCCG Altimeter Range Quality, OCCG Backscatter Quality, OCCG Altimeter Range Quality, OCCG Backscatter Quality, OCCG Altimeter Range Quality, OCCG Backscatter Quality, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality, OCCG Altimeter Range Quality, OCCG Backscatter Quality, CCG Backscatter Quality, CCG Backscatter Quality, CCGA Backscatter Quality, CCGA Backscatter Qualit	CS_OFFL_SIR_GOPM_2_20190523T060427_20190523T061516_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
CS_OFFL_SIR_GOPM_2_20190523T062924_20190523T063522_C001Altimeter Range Quality, Ocean SWH Quality, Ocean SWH Quality, Ocean SWH Quality, OCOG Backscatter QualityThe Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPM_2_20190523T064026_20190523T064434_C001OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Actimeter Range Quality, Ocean SSHA Quality, Ocean SWHThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPM_2_20190523T070643_20190523T070745_C001Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean SSHA Quality, Ocean SSHA <td>CS_OFFL_SIR_GOPM_2_20190523T062156_20190523T062741_C001</td> <td></td> <td></td>	CS_OFFL_SIR_GOPM_2_20190523T062156_20190523T062741_C001		
CS_OFFL_SIR_GOPM_2_20190523T070643_20190523T070745_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPM_2_20190523T070643_20190523T070745_C001       Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SSHA Quality, Ocean SSHA Quality, Ocean SSHA Quality, Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean Altimeter Range Quality, Ocean Altimeter Range Quality, Ocean Altimeter Range Quality, Ocean SSHA Quality, Ocean SSHA Quality, Ocean SSHA Quality, Ocean SSHA Quality, Ocean Backscatter Quality, Ocean SSHA	CS_OFFL_SIR_GOPM_2_20190523T062924_20190523T063522_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
CS_OFFL_SIR_GOPM_2_20190523T070643_20190523T070745_C001       Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean SWH Quality, OCCA       The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20190523T072055_20190523T075430_C001       Ocean Altimeter Range Quality, Ocean Backscatter Qualit	CS_OFFL_SIR_GOPM_2_20190523T064026_20190523T064434_C001		
CS_OFFL_SIR_GOPM_2_20190523T072055_20190523T075430_C001       Altimeter Range Quality, Ocean SWH Quality, OCOG Backscatter Quality       The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20190523T072055_20190523T075430_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records.       The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20190523T070643_20190523T070745_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	
	CS_OFFL_SIR_GOPM_2_20190523T072055_20190523T075430_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter	
	CS_OFFL_SIR_GOPM_2_20190523T080101_20190523T080613_C001		

CS_OFFL_SIR_GOPM_2_20190523T080916_20190523T082740_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T085959_20190523T092812_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T092823_20190523T093314_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T094107_20190523T094522_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_20190523T094906_20190523T102324_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T102324_20190523T102346_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T102630_20190523T102737_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_20190523T103931_20190523T105112_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T105515_20190523T105735_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T105740_20190523T111240_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T111437_20190523T111959_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_20190523T113111_20190523T114335_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T114517_20190523T120219_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T122449_20190523T123434_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T123636_20190523T125129_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T125403_20190523T125858_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_20190523T125903_20190523T125910_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_20190523T125934_20190523T130051_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_20190523T130706_20190523T131050_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T132503_20190523T133800_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T141514_20190523T143036_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T143342_20190523T143826_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_20190523T144505_20190523T150751_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T150802_20190523T151143_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T151247_20190523T151920_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_20190523T153654_20190523T154036_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_20190523T154436_20190523T160954_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T161328_20190523T161725_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_20190523T161746_20190523T162111_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_20190523T162429_20190523T163543_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality Ocean Altimeter Range Quality, OCOG	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T164116_20190523T165110_C001	Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T171950_20190523T172222_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_20190523T172227_20190523T175003_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T175155_20190523T175639_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_20190523T175644_20190523T180015_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_20190523T180409_20190523T183808_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T192241_20190523T192451_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T192651_20190523T192840_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T193143_20190523T193706_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_20190523T194336_20190523T200515_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T200801_20190523T201650_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T202944_20190523T203309_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T204915_20190523T205446_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T205553_20190523T210726_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T211111_20190523T211605_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_20190523T212244_20190523T212829_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T212832_20190523T215458_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T221639_20190523T224342_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T230218_20190523T231934_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190523T232415_20190523T232916_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_GOPM_2_20190523T235248_20190524T000814_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190523T030901_20190523T031100_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190523T061810_20190523T062156_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_20190523T070842_20190523T070923_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190523T110442_20190523T110444_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_20190523T161740_20190523T161746_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_20190523T162111_20190523T162226_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190523T203310_20190523T203442_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_20190523T221132_20190523T221220_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_20190523T035004_20190523T035101_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T083959_20190523T084106_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_20190523T102346_20190523T102420_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T114335_20190523T114517_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T120807_20190523T121327_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T134657_20190523T135152_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T135909_20190523T135943_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_20190523T140738_20190523T141514_C001	Ocean Altimeter Range Quality, OCOG Altimeter Range Quality, Ocean SSHA Quality, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean and OCOG Altimeter Range, SSHA, SWH 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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Number of products with errors:			
	Number of	f products with en	ors.

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20190523T001948_20190523T002320_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_20190523T003642_20190523T003755_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_20190523T005904_20190523T010344_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_20190523T011627_20190523T012224_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190523T013003_20190523T013147_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190523T025841_20190523T030033_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.

CS_OFFL_SIR_GOPN_2_20190523T033713_20190523T034049_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have b	
OCOG Backscatter Quality more records.	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T040105_20190523T040227_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter QUALITY PLRM, OC	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T040620_20190523T040826_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, oc	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T061810_20190523T062156_C001  Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCGA Altimeter Range, SSHA, SWH and Backscatter Altimeter Range, SSHA, SWH and Backscatter Flags H OR ALTIMETER ALTIMETER RANGE AND H OR ALTIMETER ALTIMETER RANGE AND H OCGA Altimeter Range, SSHA, SWH and Backscatter Flags H OR ALTIMETER ALTIM	
CS_OFFL_SIR_GOPN_2_20190523T062742_20190523T062856_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have to the ocogeneration of the o	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T064434_20190523T064808_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have to occur and the occur and th	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T070349_20190523T070456_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have to occur and the occur and th	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T071709_20190523T071833_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter QUALITA PLRM, OCOG Backscatter QUALITA PLRM, OC	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T080613_20190523T080736_C001 Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCGA Altimeter Range, SSHA, SWH and Backscatter Altimeter Range, SSHA, SWH and Backscatter Flags H OCGA Altimeter Range, SSHA, SWH and Backscatter F	
CS_OFFL_SIR_GOPN_2_20190523T084839_20190523T084928_C001 CS_OFFL_SIR_GOPN_2_20190523T084839_20190523T084928_C001 CS_OFFL_SIR_GOPN_2_20190523T084928_C001 CS_OFFL_SIR_GOPN_2_201905 CS_OFFL_SIR_GOPN_2_20190 CS_OFFL_SIR_GOPN_2_20190 CS_OFFL_SIR_GOPN_2_2019 CS_OFFL_SIR_GOPN_2_201	
CS_OFFL_SIR_GOPN_2_20190523T094522_20190523T094629_C001 CS_OFFL_SIR_GOPN_2_20190523T094522_20190523T094629_C001 CS_OFFL_SIR_GOPN_2_20190523T094522_20190523T094629_C001 Coean SSHA Quality PLRM, Ocean and the OCOG Altimeter Range, SSHA, SWH and Backscatter Guality, Ocean Backscatter Quality, Ocean Backscatter Quality, OCOG Backscatter Quality CCG Backscatter QUALITY	
CS_OFFL_SIR_GOPN_2_20190523T102420_20190523T102629_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have to more records.	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T112228_20190523T112412_C001 CS_OFFL_SIR_GOPN_2_20190523T112228_20190523T112412_C001 Coean SSHA Quality PLRM, OCean Altimeter Range Quality PLRM, OCean SSHA Quality PLRM, Ocean SSHA Quality, Ocean Backscatter Quality, Ocean Backscatter Quality, OCOG Backscatter Quality CS_OFFL_SIR_GOPN_2_20190523T112228_20190523T112412_C001 COEan State C	
CS_OFFL_SIR_GOPN_2_20190523T120228_20190523T120621_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter QUALITA PLRM, OCOG Backscatter QUALITA PLRM, OC	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T120636_20190523T120807_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have to more records.	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T122101_20190523T122448_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have to more records.	been set for one or
Ocean Altimeter Range Quality PLRM,       Ocean Altimeter Range Quality PLRM,         CS_OFFL_SIR_GOPN_2_20190523T130052_20190523T130706_C001       Ocean SSHA Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality, Ocean Backscatter       The Ocean Altimeter Range, SSHA, SWH and Backscatter Flags h         WH Quality, Ocean Backscatter       Ocean SSHA Quality PLRM, Ocean SSHA Quality PLRM, Ocean SSHA Quality, Ocean Backscatter       and the OCOG Altimeter Range and Backscatter Flags h	
CS_OFFL_SIR_GOPN_2_20190523T131900_20190523T132502_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have to more records.	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T134252_20190523T134657_C001 Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCCean SSHA Quality PLRM, OCCean SSHA Quality PLRM, OCCean SSHA Quality PLRM, Ocean SSHA Quality PLRM, Ocean Altimeter Range, SSHA, SWH and Backscatter and the OCOG Altimeter Range and Backscatter Flags h one or more records.	
CS_OFFL_SIR_GOPN_2_20190523T151920_20190523T152043_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have to more records.	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T152129_20190523T152518_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have to more records.	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T153038_20190523T153058_C001 CS_OFFL_SIR_GOPN_2_20190523T153038_20190523T153058_C001 Coean SSHA Quality PLRM, Ocean SSHA Quality Quality, Ocean Backscatter Quality one or more records.	
CS_OFFL_SIR_GOPN_2_20190523T161107_20190523T161327_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality COG Backsc	been set for one or
CS_OFFL_SIR_GOPN_2_20190523T162111_20190523T162226_C001  Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatt Ocean SSHA Quality PLRM, Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Ocean Backscatter Quality, OCOG Backscatter Quality  The Ocean Altimeter Range, SSHA, SWH and Backscatter and the OCOG Altimeter Range and Backscatter Quality, OCOG Backscatter Quality	
CS_OFFL_SIR_GOPN_2_20190523T165335_20190523T165459_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have to more records.	been set for one or

CS_OFFL_SIR_GOPN_2_20190523T165545_20190523T170211_C001 Ocean SSH	eter Range Quality PLRM, The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags,
Quality, OC	A Quality PLRM, Ocean and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. JG Backscatter Quality ter Range Quality PLRM,
CS_OFFL_SIR_GOPN_2_20190523T175031_20190523T175155_C001 OCOG Altim SWH Quality	ter Range Quality PLRM, ter Range Quality PLRM, A Quality PLRM, Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
	eter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.
	eter Range Quality PLRM, scatter Quality Plags have been set for one or more records.
	eter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.
	eter Range Quality PLRM, scatter Quality Flags have been set for one or more records.
	eter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.
	eter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.
	eter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.
	eter Range Quality PLRM, scatter Quality Plags have been set for one or more records.
	eter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190523T210956_20190523T211111_C001 OCCG Altim SWH Quality	ater Range Quality PLRM,       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags,         a Quality PLRM, Ocean       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags,         a Quality PLRM, Ocean       and the OCOG Altimeter Range and Backscatter Flags have been set for         o, Ocean Backscatter Quality       one or more records.         DG Backscatter Quality       Ocean Altimeter Range and Backscatter Flags have been set for
	eter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20190523T235022_20190523T235248_C001 SWH Quality, OCU	eter Range Quality PLRM, eter Range Quality PLRM, A Quality PLRM, Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records. DG Backscatter Quality
CS_OFFL_SIR_GOPR_2_20190523T003009_20190523T003430_C001 OCOG Altim SWH Quality	ter Range Quality PLRM, eter Range Quality PLRM, A Quality PLRM, Cocean , Ocean Backscatter G Backscatter G Backscatter Quality Cocean Backscatter A Quality PLRM, Cocean , Ocean Backscatter G Backscatter Cocean C
CS_OFFL_SIR_GOPR_2_20190523T003430_20190523T003641_C001 CS_OFFL_SIR_GOPR_2_20190523T003430_20190523T003641_C001 SWH Qualit	ter Range Quality PLRM, eter Range Quality PLRM, ter Range Quality PLRM, and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T014653_20190523T015024_C001 OCOG Altim SWH Quality	ter Range Quality PLRM,         eter Range Quality PLRM,         A Quality PLRM, Ocean         A Quality PLRM, Ocean         Ocean Backscatter         O Gear Backscatter         OB Backscatter Quality
	eter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T020954_20190523T021604_C001 OCCG Altir SWH Quality	eter Range Quality PLRM, eter Range Quality PLRM, A Quality PLRM, cocean , Ocean Backscatter G Backscatter Quality Cocean Backscatter Quality G Backscatter Quality Cocean Backscatter Quality Cocean Backscatter Quality Cocean Backscatter Quality Cocean Backscatter Quality
CS_OFFL_SIR_GOPR_2_20190523T021825_20190523T021854_C001 SWH Quality, OCC	ster Range Quality PLRM,         eter Range Quality PLRM,         A Quality PLRM, Ocean         A Quality PLRM, Ocean         Ocean Backscatter         OB Backscatter Quality
CS_OFFL_SIR_GOPR_2_20190523T031101_20190523T031211_C001 SWH Quality, OCU	ater Range Quality PLRM,       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags,         a Quality PLRM, Ocean       The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags,         a Quality PLRM, Ocean       and the OCOG Altimeter Range and Backscatter Flags have been set for         o, Ocean Backscatter       one or more records.         OG Backscatter Quality       the Plags of the plags
CS_OFFL_SIR_GOPR_2_20190523T034722_20190523T034945_C001 OCOG Altim SWH Quality	eter Range Quality PLRM, eter Range Quality PLRM, A Quality PLRM, Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
Ocean Altim CS_OFFL_SIR_GOPR_2_20190523T035128_20190523T035543_C001 SWH Quality, OCU	eter Range Quality PLRM, eter Range Quality PLRM, A Quality PLRM, Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T043621_20190523T043820_C001 OCOG Altir SWH Quality	ter Range Quality PLRM, eter Range Quality PLRM, A Quality PLRM, Ocean , Ocean Backscatter OG Backscatter Quality

CS_OFFL_SIR_GOPR_2_20190523T052541_20190523T053626_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T061516_20190523T061810_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T062856_20190523T062923_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T070241_20190523T070348_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T070456_20190523T070539_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_20190523T070923_20190523T071709_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T075431_20190523T075744_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T080737_20190523T080916_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T083632_20190523T083751_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_20190523T084616_20190523T084839_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T084928_20190523T085959_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T102855_20190523T103619_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T103758_20190523T103931_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_20190523T112412_20190523T113110_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T120807_20190523T121327_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T131050_20190523T131318_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_20190523T133929_20190523T134144_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T134657_20190523T135152_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T135152_20190523T135404_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_20190523T135909_20190523T135943_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_20190523T140738_20190523T141514_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T143037_20190523T143136_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T151143_20190523T151247_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_20190523T152519_20190523T153038_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T162226_20190523T162428_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T170211_20190523T171108_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T180135_20190523T180409_C001	Ocean Attimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T184138_20190523T185107_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T185240_20190523T185458_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_20190523T185911_20190523T190026_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_20190523T194018_20190523T194336_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T201650_20190523T202701_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T202701_20190523T202830_C001	Ocean Attimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T203442_20190523T203619_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_20190523T210726_20190523T210956_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T203442_20190523T203619_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_20190523T210726_20190523T210956_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T211931_20190523T212243_C001	Ocean Attimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T215928_20190523T220558_C001	Ocean Attimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T220558_20190523T221132_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T224343_20190523T225041_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T233420_20190523T233521_C001	Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20190523T233836_20190523T234445_C001	Ocean Attimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, Ocean SSHA Quality PLRM, Ocean SWH Quality, Ocean Backscatter Quality, OCOG Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags, and the OCOG Altimeter Range and Backscatter Flags have been set for one or more records.
12 Quality Flags (1 Hz & 1Hz DI PM)		

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

L2 Retracking Flags (20Hz)			
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz meas	•		
Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.			
Number of products with errors: 59			
L2 Retracking Flags (20Hz, PLRM) CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRN	M measurement record. The hit value of this fla	a indicates any problems when set	
Ocean Retracking Quality Flag (PLRM): This flag is currently set for products		• •	
Number of products with errors: 156			
	0 Dala 4a Dala Data Ossalita		
6. GOP L	2 Pole-to-Pole Data Quality	/ Check	
6.1 P2P Product Format Check			
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML header file (.H	IDR) and a NetCDF product file (.nc).	
Number of products with errors: 0			
6.2 P2P Product Header Analysis			
For all products, a series of pre-defined checks are performed on the MPH and	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 Usage Check			
Each product is checked for missing Data Set Descriptors with respect to a pre	e-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 Error Check			
For all products, the auxiliary corrections within the Geophysical Group are che	acked for the default array value (20767)		
Currently, there are some common auxiliary correction errors raised in th		to surface type. All common flags are summarised in the list below.	
followed by a table highlighting any additional issues which may arise fro			
> ECMWF Meteo Corrections: Currently the following corrections are not corr and the U-Wind and V-Wind components of the ECMWF model wind vector. The in the table below.			
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for			
> Altimetric Wind Speed Error: The error value is currently set for products of	over land and sea ice, but this is to be expected	l.	
Number of products with errors: 30			
Product	Test Failed GPD Wet Tropospheric Correction,	Description There is an error with the GPD Wet Troposheric Correction, the MSS	
CS_OFFL_SIR_GOP_220190522T234530_20190523T003508_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	height (solution 1) and the Mean Dynamic Topography (solution 1) for one or more records	
CS_OFFL_SIR_GOP_2_20190523T003508_20190523T012444_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	
	1 de (GOT)	Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records	
CS_OFFL_SIR_GOP_2_20190523T012444_20190523T021422_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)		
	Mean Sea Surface (1), Mean Dynamic	(solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic	
CS_OFFL_SIR_GOP_220190523T021422_20190523T030358_C001	Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean	(solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig	
CS_OFFL_SIR_GOP_220190523T012444_20190523T021422_C001 CS_OFFL_SIR_GOP_220190523T021422_20190523T030358_C001 CS_OFFL_SIR_GOP_220190523T030358_20190523T035335_C001 CS_OFFL_SIR_GOP_220190523T035335_20190523T044311_C001	Mean Sea Surface (1), Mean Dynamic Topography (1) Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) Mean Sea Surface (1), Mean Dynamic	(solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic	
CS_OFFL_SIR_GOP_220190523T021422_20190523T030358_C001 CS_OFFL_SIR_GOP_220190523T030358_20190523T035335_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)         Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic Topography (1)	(solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records 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_20190523T021422_20190523T030358_C001 CS_OFFL_SIR_GOP_2_20190523T030358_20190523T035335_C001 CS_OFFL_SIR_GOP_2_20190523T035335_20190523T044311_C001 CS_OFFL_SIR_GOP_2_20190523T044311_20190523T053249_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)         Mean Sea Surface (1), Mean Dynamic Topography (1)	<ul> <li>(solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> </ul>	
CS_OFFL_SIR_GOP_220190523T021422_20190523T030358_C001 CS_OFFL_SIR_GOP_220190523T030358_20190523T035335_C001 CS_OFFL_SIR_GOP_220190523T035335_20190523T044311_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)         Mean Sea Surface (1), Mean Dynamic Topography (1)	<ul> <li>(solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> </ul>	
CS_OFFL_SIR_GOP_2_20190523T021422_20190523T030358_C001 CS_OFFL_SIR_GOP_2_20190523T030358_20190523T035335_C001 CS_OFFL_SIR_GOP_2_20190523T035335_20190523T044311_C001 CS_OFFL_SIR_GOP_2_20190523T044311_20190523T053249_C001 CS_OFFL_SIR_GOP_2_20190523T053249_20190523T062225_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)         Mean Sea Surface (1), Mean Dynamic Topography (1)	<ul> <li>(solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> </ul>	
CS_OFFL_SIR_GOP_2_20190523T021422_20190523T030358_C001 CS_OFFL_SIR_GOP_2_20190523T030358_20190523T035335_C001 CS_OFFL_SIR_GOP_2_20190523T035335_20190523T044311_C001 CS_OFFL_SIR_GOP_2_20190523T044311_20190523T053249_C001 CS_OFFL_SIR_GOP_2_20190523T053249_20190523T062225_C001 CS_OFFL_SIR_GOP_2_20190523T062225_20190523T071202_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)         Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic	<ul> <li>(solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> </ul>	
CS_OFFL_SIR_GOP_2_20190523T021422_20190523T030358_C001 CS_OFFL_SIR_GOP_2_20190523T030358_20190523T035335_C001 CS_OFFL_SIR_GOP_2_20190523T035335_20190523T044311_C001 CS_OFFL_SIR_GOP_2_20190523T044311_20190523T053249_C001 CS_OFFL_SIR_GOP_2_20190523T053249_20190523T062225_C001 CS_OFFL_SIR_GOP_2_20190523T062225_20190523T071202_C001 CS_OFFL_SIR_GOP_2_20190523T062225_20190523T071202_C001 CS_OFFL_SIR_GOP_2_20190523T071202_20190523T080138_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)         Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic	<ul> <li>(solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution</li></ul>	
CS_OFFL_SIR_GOP_2_20190523T021422_20190523T030358_C001 CS_OFFL_SIR_GOP_2_20190523T030358_20190523T035335_C001 CS_OFFL_SIR_GOP_2_20190523T035335_20190523T044311_C001 CS_OFFL_SIR_GOP_2_20190523T044311_20190523T053249_C001 CS_OFFL_SIR_GOP_2_20190523T053249_20190523T062225_C001 CS_OFFL_SIR_GOP_2_20190523T062225_20190523T071202_C001 CS_OFFL_SIR_GOP_2_20190523T071202_20190523T080138_C001 CS_OFFL_SIR_GOP_2_20190523T080138_20190523T085116_C001 CS_OFFL_SIR_GOP_2_20190523T080138_20190523T085116_C001 CS_OFFL_SIR_GOP_2_20190523T085116_20190523T094052_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)         Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic         Topography (1)         Mean Sea Surface (1), Mean Dynamic         Topography (1)	<ul> <li>(solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with</li></ul>	
CS_OFFL_SIR_GOP_2_20190523T021422_20190523T030358_C001 CS_OFFL_SIR_GOP_2_20190523T030358_20190523T035335_C001 CS_OFFL_SIR_GOP_2_20190523T035335_20190523T044311_C001 CS_OFFL_SIR_GOP_2_20190523T044311_20190523T053249_C001 CS_OFFL_SIR_GOP_2_20190523T053249_20190523T062225_C001 CS_OFFL_SIR_GOP_2_20190523T062225_20190523T071202_C001 CS_OFFL_SIR_GOP_2_20190523T071202_20190523T071202_C001 CS_OFFL_SIR_GOP_2_20190523T071202_20190523T080138_C001 CS_OFFL_SIR_GOP_2_20190523T080138_20190523T085116_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)         Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic         Topography (1)         Mean Sea Surface (1), Mean Dynamic         Topography (1)         Mean Sea Surface (1), Mean Dynamic         Topography (1)	<ul> <li>(solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with</li></ul>	
CS_OFFL_SIR_GOP_2_20190523T030358_20190523T030358_C001 CS_OFFL_SIR_GOP_2_20190523T030358_20190523T035335_C001 CS_OFFL_SIR_GOP_2_20190523T035335_20190523T044311_C001 CS_OFFL_SIR_GOP_2_20190523T044311_20190523T053249_C001 CS_OFFL_SIR_GOP_2_20190523T053249_20190523T062225_C001 CS_OFFL_SIR_GOP_2_20190523T062225_20190523T071202_C001 CS_OFFL_SIR_GOP_2_20190523T071202_20190523T080138_C001 CS_OFFL_SIR_GOP_2_20190523T080138_20190523T085116_C001 CS_OFFL_SIR_GOP_2_20190523T085116_20190523T094052_C001 CS_OFFL_SIR_GOP_2_20190523T085116_20190523T094052_C001 CS_OFFL_SIR_GOP_2_20190523T085116_20190523T094052_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)         Mean Sea Surface (1), Mean Dynamic Topography (1)         Mean Sea Surface (1), Mean Dynamic         Topography (1)	<ul> <li>(solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heig (solution 1: GOT) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</li> <li>There is an error with</li></ul>	

CS_OFFL_SIR_GOP_220190523T125919_20190523T134856_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_220190523T134856_20190523T143833_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_220190523T143833_20190523T152810_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_220190523T152810_20190523T161746_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_220190523T161746_20190523T170724_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_220190523T170724_20190523T175700_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_220190523T175700_20190523T184637_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_220190523T184637_20190523T193614_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_220190523T193614_20190523T202551_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_220190523T202551_20190523T211527_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_220190523T211527_20190523T220504_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_220190523T220504_20190523T225440_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_220190523T225440_20190523T234418_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_220190523T234418_20190524T003354_C002	GPD Wet Tropospheric Correction, Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the GPD Wet Troposheric Correction for one or more records, the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records

### 6.5 P2P Measurement Confidence Data Check

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

 Number of products with errors:
 0

6.6 P2P Measurement Quality Flag Check		
P2P Quality Flags (20Hz)		
CryoSat P2P data includes Quality Flags for ear	ch 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.	
Since the P2P Quality Flags are copied direct	tly 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	tly 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 PLR	M)	
Since the P2P Quality Flags are copied direct	tly 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 Quali	ty Check	
P2P Retracking Flags (20Hz)		
Cryosat P2P data includes an ocean retracking	quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.	
Ocean Retracking Quality Flag (PLRM): This	flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.	
Number of products with errors:	27	
P2P Retracking Flags PLRM		
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM measurement record. The bit value of this flag indicates any problems when set.		
Ocean Retracking Quality Flag (PLRM): This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.		

Number of products with errors:

30