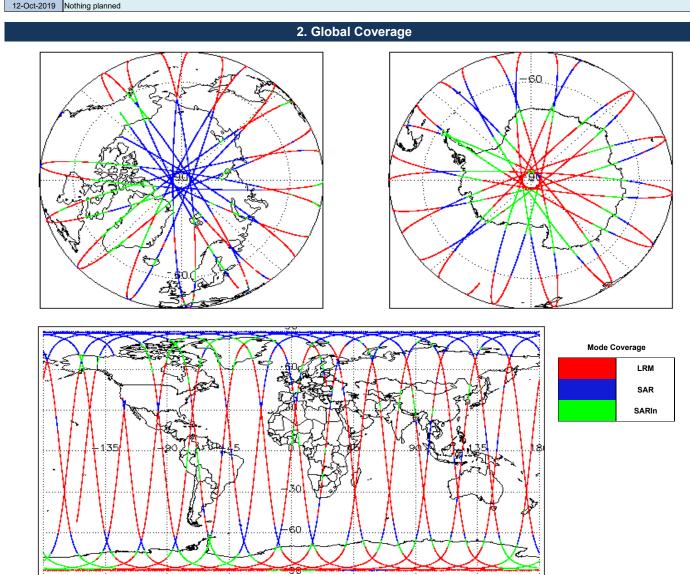


# IDEAS+ Daily Report for GOP data:

# <u>11/10/2019</u>

	11-Nov-2019	Check	L1 & L2	P2P
eport Production:	11-1000-2019	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
rocessor useu.	CryoSal Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal
Data Useu.		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

wission / instrument news			
10-Oct-2019	None		
11-Oct-2019	None		
10.0.1.0010	N I a dia tao amin'ny fisiana amin'ny fis		



# 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).

For all products, a series of pre-defined checks are performed on the MPH and	I SPH in order to identify any incon	sistencies and/or errors raised by the ground-segment processing chain.
_1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1E DSARIn chains. A modification is required in the next release.	B GOPR and GOPN products beca	use the I1b_processing_quality_hr field is not correctly configured in the OSAR an
Number of products with errors: 0		
4.3 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre	-determined baseline and also to c	heck the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag for each measurement record	d. The bit value of this flag indicates	s any problems when set.
Number of products with errors: 0	-	
4.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag for each measurem	nent record. The bit value of this fla	g indicates any problems when set.
Attitude Correction Missing: This flag is currently set in error for GOPR produ		• •
Number of products with errors: 0		
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag for each measurement record	0	any problems when set.
.oss of Echo Flag: This flag is currently set for some products over land, but f	this is to be expected.	
lumber of products with errors: 28		
roduct	Test Failed	Description
S_OFFL_SIR_GOPM1B_20191011T000838_20191011T000847_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPM1B_20191011T002029_20191011T005318_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPM1B_20191011T063859_20191011T064119_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPM1B_20191011T102201_20191011T104753_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPM1B_20191011T132859_20191011T133244_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPM1B_20191011T152024_20191011T154323_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191011T050155_20191011T050554_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191011T050616_20191011T050743_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20191011T060320_20191011T060647_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20191011T064217_20191011T064634_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191011T132806_20191011T132859_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20191011T164530_20191011T164651_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20191011T164956_20191011T165218_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20191011T182451_20191011T182707_C001	Loss of Echo	The tracking echo is missing for one or more records
	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20191011T182858_20191011T183108_C001		
S_OFFL_SIR_GOPN1B_20191011T200404_20191011T200856_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20191011T200404_20191011T200856_C001 S_OFFL_SIR_GOPR1B_20191011T010716_20191011T011126_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20191011T200404_20191011T200856_C001 S_OFFL_SIR_GOPR1B_20191011T010716_20191011T011126_C001 S_OFFL_SIR_GOPR1B_20191011T013936_20191011T014041_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20191011T200404_20191011T200856_C001 S_OFFL_SIR_GOPR1B_20191011T010716_20191011T011126_C001 S_OFFL_SIR_GOPR1B_20191011T013936_20191011T014041_C001 S_OFFL_SIR_GOPR1B_20191011T014041_20191011T014527_C001	Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
S_OFFL_SIR_GOPR1B_20191011T200404_20191011T200856_C001 S_OFFL_SIR_GOPR1B_20191011T010716_20191011T011126_C001 S_OFFL_SIR_GOPR1B_20191011T013936_20191011T014041_C001 S_OFFL_SIR_GOPR1B_20191011T014041_20191011T014527_C001 S_OFFL_SIR_GOPR1B_20191011T024609_20191011T025021_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
S_OFFL_SIR_GOPR1B_20191011T200404_20191011T200856_C001 S_OFFL_SIR_GOPR1B_20191011T010716_20191011T011126_C001 S_OFFL_SIR_GOPR1B_20191011T013936_20191011T014041_C001 S_OFFL_SIR_GOPR1B_20191011T014041_20191011T014527_C001 S_OFFL_SIR_GOPR1B_20191011T024609_20191011T025021_C001 S_OFFL_SIR_GOPR1B_20191011T050743_20191011T051304_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20191011T200404_20191011T200856_C001 S_OFFL_SIR_GOPR1B_20191011T010716_20191011T011126_C001 S_OFFL_SIR_GOPR1B_20191011T013936_20191011T014041_C001 S_OFFL_SIR_GOPR1B_20191011T014041_20191011T014527_C001 S_OFFL_SIR_GOPR1B_20191011T024609_20191011T025021_C001 S_OFFL_SIR_GOPR1B_20191011T050743_20191011T051304_C001 S_OFFL_SIR_GOPR1B_20191011T064634_20191011T065300_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
S_OFFL_SIR_GOPR1B_20191011T200404_20191011T200856_C001 S_OFFL_SIR_GOPR1B_20191011T010716_20191011T011126_C001 S_OFFL_SIR_GOPR1B_20191011T013936_20191011T014041_C001 S_OFFL_SIR_GOPR1B_20191011T014041_20191011T014527_C001 S_OFFL_SIR_GOPR1B_20191011T024609_20191011T025021_C001 S_OFFL_SIR_GOPR1B_20191011T050743_20191011T051304_C001 S_OFFL_SIR_GOPR1B_20191011T064634_20191011T065300_C001 S_OFFL_SIR_GOPR1B_20191011T14114_20191011T114929_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
SS_OFFL_SIR_GOPN1B_20191011T182858_20191011T183108_C001         SS_OFFL_SIR_GOPN1B_20191011T200404_20191011T200856_C001         SS_OFFL_SIR_GOPR1B_20191011T010716_20191011T011126_C001         SS_OFFL_SIR_GOPR1B_20191011T013936_20191011T014041_C001         SS_OFFL_SIR_GOPR1B_20191011T014041_20191011T014041_C001         SS_OFFL_SIR_GOPR1B_20191011T014041_20191011T014527_C001         SS_OFFL_SIR_GOPR1B_20191011T024609_20191011T025021_C001         SS_OFFL_SIR_GOPR1B_20191011T050743_20191011T05300_C001         SS_OFFL_SIR_GOPR1B_20191011T064634_20191011T065300_C001         SS_OFFL_SIR_GOPR1B_20191011T14114_20191011T14929_C001         SS_OFFL_SIR_GOPR1B_20191011T123958_20191011T124411_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
S_OFFL_SIR_GOPR1B_20191011T200404_20191011T200856_C001 S_OFFL_SIR_GOPR1B_20191011T010716_20191011T011126_C001 S_OFFL_SIR_GOPR1B_20191011T013936_20191011T014041_C001 S_OFFL_SIR_GOPR1B_20191011T014041_20191011T014527_C001 S_OFFL_SIR_GOPR1B_20191011T024609_20191011T025021_C001 S_OFFL_SIR_GOPR1B_20191011T050743_20191011T051304_C001 S_OFFL_SIR_GOPR1B_20191011T064634_20191011T065300_C001 S_OFFL_SIR_GOPR1B_20191011T14114_20191011T114929_C001	Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
S_OFFL_SIR_GOPN1B_20191011T200404_20191011T200856_C001         S_OFFL_SIR_GOPR1B_20191011T010716_20191011T011126_C001         S_OFFL_SIR_GOPR1B_20191011T013936_20191011T014041_C001         S_OFFL_SIR_GOPR1B_20191011T014041_20191011T014527_C001         S_OFFL_SIR_GOPR1B_20191011T024609_20191011T025021_C001         S_OFFL_SIR_GOPR1B_20191011T0250743_20191011T051304_C001         S_OFFL_SIR_GOPR1B_20191011T064634_20191011T065300_C001         S_OFFL_SIR_GOPR1B_20191011T114114_20191011T114929_C001         S_OFFL_SIR_GOPR1B_20191011T123958_201910111124411_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records

# 5. GOP Level 2 Data Quality Check

## 5.1 L2 Product Format Check

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

59

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20191011T183108_20191011T184713_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_20191011T005725_20191011T010041_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_20191011T010553_20191011T010716_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_20191011T014817_20191011T014903_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_20191011T024502_20191011T024609_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_20191011T032713_20191011T032832_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_20191011T050155_20191011T050554_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_20191011T050616_20191011T050743_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_20191011T060032_20191011T060311_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_20191011T060320_20191011T060647_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_20191011T064217_20191011T064634_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_20191011T073948_20191011T074310_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_20191011T082105_20191011T082455_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_20191011T092052_20191011T092206_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_20191011T105955_20191011T110115_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_20191011T113746_20191011T113909_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_20191011T115829_20191011T115847_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_20191011T122957_20191011T123124_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_20191011T123647_20191011T123958_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_20191011T140936_20191011T141051_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_20191011T141546_20191011T141910_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_20191011T155022_20191011T155258_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_20191011T155451_20191011T160117_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_20191011T164530_20191011T164651_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20191011T164956_20191011T165218_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_20191011T172542_20191011T173149_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_20191011T182451_20191011T182707_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_20191011T190750_20191011T190939_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_20191011T191807_20191011T191955_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_20191011T200404_20191011T200856_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

Cold Child Service Carls 2 2010011122082 (2010)         March Beach (2010)         Armite Cooperation (1)         Armite Cooperation (1)           CS OFTL SR COPR 2 2010011122082 (2010)         March Beach (2010)         Mar			
CB, OPTL, SBN, GOPR, 2, 20191911722269, 2019101720349, 2019       Mass SBN, Status, St	CS_OFFL_SIR_GOPN_2_20191011T213651_20191011T213727_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
Control         Topography (i)         Topography (i)         Topography (i)         Topography (i)           CS_OPFL_SR_COPFL_20190111105146_0111101460_011         Topography (i)	CS_OFFL_SIR_GOPN_2_20191011T222836_20191011T223049_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
Construction         Trappagaty (i)         Trappagat	CS_OFFL_SIR_GOPR_2_20191011T000859_20191011T001646_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Displant Concerning and Concerning Concerning and Concerning and Concerning and Concerni	CS_OFFL_SIR_GOPR_2_20191011T014903_20191011T015718_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Capert Server 2. A 2019/01/106/042_010101106330_0001         Tacography (1)         Tacography (1)         Tacography (1)         Tacography (1)         Tacography (1)           CS, OFFL_SIR_GOPR_2_2019/01/106330_000101106331_0001         Mann Dyname Toography (1)         There is an error with the MSS begit (calutes 1) and the MsS begit (cal	CS_OFFL_SIR_GOPR_2_20191011T032832_20191011T033555_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CPFL_SIR_GOPR_2_20191011106380_20191011108331_C001         Troopgraphy (1)         Troopgraphy (2)         Troopgraphy (3)           CS_OFR_SIR_GOPR_2_20191011108330_20191011108331_C001         Mean Dynamic Toopgraphy (3)         The is an error with the CSP With Coldon 1) and Hall controllings for an error more records           CS_OFR_SIR_GOPR_2_20191011110842_0001         Mean Sea Strates (1), Mean Dynamic Toopgraphy (2)         The is an error with the MSS height (colduct) 1 and Hall controllings for an error error score sco	CS_OFFL_SIR_GOPR_2_20191011T050743_20191011T051304_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CRDPPL_SROXPR_2_2019101110830300101101108330001         Mean Sas Surface (1), Mean Dynamic         There is an error with the MSS height (doubton 1) and the Mean Dynamic Topography (1)           CSOFFL_SIRGOPR_2_201910111102466_20191011110426_0001         Mean Sas Surface (1), Mean Dynamic Topography (1)         There is an error with the MSS height (doubton 1) and the Mean Dynamic Topography (1)           CSOFFL_SIRGOPR_2_201910111115228_201910111116226_0001         Mean Sas Surface (1), Mean Dynamic Topography (1)         There is an error with the MSS height (doubton 1) and the Mean Dynamic Topography (1)           CSOFFL_SIRGOPR_2_201910111115228_201910111115228_0001         Mean Dynamic Topography (1)         There is an error with the MSS height (doubton 1) and the Mean Dynamic Topography (1)           CSOFFL_SIRGOPR_2_20191011115228_0010111115228_0001         Mean Dynamic Topography (1)         There is an error with the MSS height (doubton 1) and the Mean Dynamic Topography (1)           CSOFFL_SIRGOPR_2_20191011115228_0001         Mean Dynamic Topography (1)         There is an error with the MSS height (doubton 1) and the Mean Dynamic Topography (1)           CSOFFL_SIRGOPR_2_20191011115228_0001         Mean Sas Surface (1), Mean Dynamic Topography height (eduluton 1) or ore or more records           CSOFFL_SIRGOPR_2_20191011115228_0001         Mean Sas Surface (1), Mean Dynamic Topography height (eduluton 1) or ore or more records           CSOFFL_SIRGOPR_2_20191011115228_0001         Mean Sas Surface (1), Mean Dynamic Topography height (eduluton 1) or ore or more records	CS_OFFL_SIR_GOPR_2_20191011T064634_20191011T065300_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Control         Control         Teopography (1)         Teopography (1)         Teopography (1)         Teopography (1)           CS_OFR_SR_COPR_2_201910111100148_2019101111044_CO01         Mean Ses Surface (1), Mean Dynamic         There is a neuror with the MSS height (doubton 1) for one or more necodes           CS_OFR_SR_COPR_2_201910111114228_201910111116234_CO01         Mean Ses Surface (1), Mean Dynamic         There is a neuror with the MSS height (doubton 1) for one or more necodes           CS_OFR_SR_COPR_2_201910111116234_CO01         Mean Dynamic Teopography (1)         There is a neuror with the MSS height (doubton 1) for one or more necodes           CS_OFR_SR_COPR_2_201910111116234_CO01         Mean Dynamic Teopography (1)         There is a neuror with the Mean Dynamic Teopography (1)           CS_OFR_SR_COPR_2_201910111116236_CO01         Mean Dynamic Teopography (1)         There is a neuror with the MSS height (doubton 1) and the Mean Dynamic Teopography (1)           CS_OFR_SR_COPR_2_20191011116236_C001         Mean Ses Surface (1), Mean Dynamic Teopography height (eduton 1) for one or more necodes           CS_OFFL_SR_COPR_2_20191011116238_C001         Mean Ses Surface (1), Mean Dynamic Teopography height (eduton 1) for one or more necodes           CS_OFFL_SR_COPR_2_20191011116238_C001         Mean Ses Surface (1), Mean Dynamic Teopography height (eduton 1) or one or more necodes           CS_OFFL_SR_COPR_2_20191011116238_C001         Mean Ses Surface (1), Mean Dynamic Teopography height (eduton 1) for one or more necodes           CS_OFFL_SR_C	CS_OFFL_SIR_GOPR_2_20191011T065300_20191011T065331_C001	Mean Dynamic Topography (1)	
CS_OFF_SIR_GOPR_2_201910117100146_20191011710004_0001       Tooggaphy (1)       Tooggaphy (1)       Tooggaphy (1)         CS_OFF_SIR_GOPR_2_20191011711414_201910117114020_0001       Mean Sea Surface (1), Mean Dynamic Tooggaphy (1)       There is an error with the MSD height (solution 1) and the Mean Dynamic Tooggaphy (1)         CS_OFF_SIR_GOPR_2_201910117115282_2019101171120002_0001       Mean Sas Surface (1), Mean Dynamic Tooggaphy (1)       There is an error with the MSD height (solution 1) and the Mean Dynamic Tooggaphy (1)         CS_OFF_SIR_GOPR_2_20191011713288_201910117120002_0001       Mean Sas Surface (1), Mean Dynamic Tooggaphy (1)       There is an error with the MSD height (solution 1) and the Mean Dynamic Tooggaphy (1)         CS_OFF_SIR_GOPR_2_20191011713288_20191011712888_2001       Mean Sas Surface (1), Mean Dynamic Tooggaphy (1)       There is an error with the MSD height (solution 1) and the Mean Dynamic Tooggaphy (1)         CS_OFF_SIR_GOPR_2_20191011713288_20191011715287_001       Mean Sas Surface (1), Mean Dynamic Tooggaphy (1)       There is an error with the MSD height (solution 1) and the Mean Dynamic Tooggaphy (1)         CS_OFF_SIR_GOPR_2_201910117145869_20191011715087_001       Mean Sas Surface (1), Mean Dynamic Tooggaphy (1)       There is an error with the MSD height (solution 1) and the Mean Dynamic Tooggaphy (1)         CS_OFF_SIR_GOPR_2_201910117145869_20191011716420_0001       Mean Sas Surface (1), Mean Dynamic Tooggaphy (1)       There is an error with the MSD height (solution 1) and the Mean Dynamic Tooggaphy (1)         CS_OFF_SIR_GOPR_2_201910117145869_20191011716420_0001       Me	CS_OFFL_SIR_GOPR_2_20191011T082456_20191011T083012_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFF_SIR_GOPR_2_201001111141_201001         Topography (1)         Topography height (solution 1) for one or more records           CS_OFF_SIR_GOPR_2_20101011111528_20101011111528_0001         Mean Dynamic Topography (1)         There is an error with the Mean Dynamic Topography (solution 1) for one or more records           CS_OFF_SIR_GOPR_2_201010111115283_0001         Mean Dynamic Topography (1)         There is an error with the MSS height (solution 1) for one or more records           CS_OFF_SIR_GOPR_2_201010111132836_0001         Mean Sea Surface (1), Mean Dynamic Topography (solution 1) for one or more records           CS_OFF_SIR_GOPR_2_201010111132836_0001         Mean Sea Surface (1), Mean Dynamic Topography (solution 1) for one or more records           CS_OFF_SIR_GOPR_2_201010111132836_0001         Mean Sea Surface (1), Mean Dynamic Topography (solution 1) for one or more records           CS_OFF_SIR_GOPR_2_201010111130536_0001         Mean Sea Surface (1), Mean Dynamic Topography (solution 1) for one or more records           CS_OFF_SIR_GOPR_2_201010111160518_00101111160927_0001         Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)           CS_OFF_SIR_GOPR_2_201010111160518_0010111116420_0001         Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography heigh	CS_OFFL_SIR_GOPR_2_20191011T100148_20191011T101044_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20191011111528_2001         Mean Dynamic Topography (1)         or more records           CS_OFFL_SIR_GOPR_2_201910111115667_20191011112288_C001         Mean Dynamic Topography (1)         There is an error with the Mass Dynamic Topography (solution 1) for one or more records           CS_OFFL_SIR_GOPR_2_20191011113288_C001         Mean Sea Surface (1), Mean Dynamic Topography (epitt Isolution 1) for one or more records           CS_OFFL_SIR_GOPR_2_20191011113288_C001         Mean Sea Surface (1), Mean Dynamic Topography (epitt Isolution 1) for one or more records           CS_OFFL_SIR_GOPR_2_20191011113288_C001         Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (epitt Isolution 1) for one or more records           CS_OFFL_SIR_GOPR_2_201910111135034_C001         Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)         There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)           CS_OFFL_SIR_GOPR_2_201910111160534_C0191011116420_C001         Mean Sea Surface (1), Mean Dynamic Topography (1)         There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)           CS_OFFL_SIR_GOPR_2_20191011116438_C01910111164300_C001         Mean Sea Surface (1), Mean Dynamic Topography (1)         There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)           CS_OFFL_SIR_GOPR_2_201910111164300_C001         Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (	CS_OFFL_SIR_GOPR_2_20191011T114114_20191011T114929_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
GS_OFFL_SIR_GOPR_2_201910111132636_201910111132636_C001       mean Dynamic Topography (1)       or more records         CS_OFFL_SIR_GOPR_2_201910111132636_201910111132636_C001       Mean Sea Surface (1). Mean Dynamic Topography height (solution 1) for on error erecords         CS_OFFL_SIR_GOPR_2_201910111132636_201910111132636_C001       Mean Sea Surface (1). Mean Dynamic Topography height (solution 1) for on error erecords         CS_OFFL_SIR_GOPR_2_201910111132636_201910111132636_C001       Mean Sea Surface (1). Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_201910111163534_201910111160534_C001       Mean Sea Surface (1). Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_201910111163818_20191011116420_C001       Mean Sea Surface (1). Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011116420_201910111164530_C001       Mean Sea Surface (1). Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011116420_201910111164530_C001       Mean Sea Surface (1). Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography	CS_OFFL_SIR_GOPR_2_20191011T115228_20191011T115434_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_201910111132836_2001       Topography (1)       Topography (1)       Topography (1)         CS_OFFL_SIR_GOPR_2_201910111132836_2001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_GOPR_2_201910111132836_2001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_GOPR_2_201910111150534_201910111150927_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_GOPR_2_201910111163818_20191011116420_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynami Topography (1)         CS_OFFL_SIR_GOPR_2_20191011116420_20191011116420_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynami Topography (1)         CS_OFFL_SIR_GOPR_2_20191011116420_20191011116420_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynami Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynami Topography (1)         CS_OFFL_SIR_GOPR_2_20191011116420_20191011116420_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynami Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynami Topography (1)	CS_OFFL_SIR_GOPR_2_20191011T115847_20191011T120002_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
DFL_SIR_GOPR_2_20191011113208_200111113208_2001       Topography (1)       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_201910111142859_201910111150534_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the 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_201910111163818_201910111164420_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_201910111164420_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) for one or more records         CS_OFFL_SIR_GOPR_2_201910111164420_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) for one or more records         CS_OFFL_SIR_GOPR_2_201910111164420_C001       Mean Sea Surface (1), Mean Dynamic Topography (1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011116420_C001       Mean Sea Surface (1), Mean Dynamic Topography (1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011116420_C001       Mean Sea Surface (1), Mean Dynamic Topography (1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011116420_C001       Mean Sea Surface (1), Mean Dynamic Topography (1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011116420_C001       Mean Sea Surface (1), Mean Dynamic Topography (1) for one or more records	CS_OFFL_SIR_GOPR_2_20191011T131906_20191011T132636_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_201910111180584_201910111180584_20001       Topography (1)       Topography (1)         CS_OFFL_SIR_GOPR_2_201910111180584_201910111180987_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_2019101111808818_201910111180887_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_201910111164420_201910111164530_C001       Mean Sea Surface (1), Mean Dynamic       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_201910111164420_201910111164530_C001       Mean Sea Surface (1), Mean Dynamic       Topography height (solution 1) or one or more records         CS_OFFL_SIR_GOPR_2_201910111164420_2019101111164530_C001       Mean Sea Surface (1), Mean Dynamic       Topography height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_201910111180152_C001       Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)       There is an error with the MSS height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_201910111181811_201910111180208_C001       Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)       There is an error with the MSS height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_201910111180208_C001       Mean Sea Surface (1), Mean Dynamic       Topography height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_201910111182208_201910111182208_C001       Mean Sea Surface (1), Mean	CS_OFFL_SIR_GOPR_2_20191011T132636_20191011T132806_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20191011116034_201910111164420_C001       Topography (1)       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011116430_0_20191011T164420_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)).         CS_OFFL_SIR_GOPR_2_20191011T181811_20191011T181952_C001       Mean Sae Surface (1), Mean Dynamic Topography (1). Total Geocentric Ocean Tide (solution 1) and the Mean Dynamic Topography (1).         CS_OFFL_SIR_GOPR_2_20191011T182208_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records.         CS_OFFL_SIR_GOPR_2_20191011T182208_20191011T182208_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records.         CS_OFFL_SIR_GOPR_2_20191011T182208_20191011T182451_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records.         CS_OFFL_SIR_GOPR_2_20191011T182454_C001       Mean Sea Surface (1), Mean	CS_OFFL_SIR_GOPR_2_20191011T145859_20191011T150534_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20191011116420_20191011116430_C001         Topography (1)         Topography leight (solution 1) for one or more records           CS_OFFL_SIR_GOPR_2_20191011116420_201910111164530_C001         Mean Sea Surface (1), Mean Dynamic Topography leight (solution 1) for one or more records           CS_OFFL_SIR_GOPR_2_20191011116420_201910111164530_C001         Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)           CS_OFFL_SIR_GOPR_2_201910111182030_201910111182208_C001         Mean Sea Surface (1), Mean Dynamic Topography (1)         There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)           CS_OFFL_SIR_GOPR_2_201910111182208_01910111182205_0011         Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records           CS_OFFL_SIR_GOPR_2_2019101111182208_01910111182451_C001         Mean Sea Surface (1), Mean Dynamic Topography (1)         There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)           CS_OFFL_SIR_GOPR_2_201910111195748_0191011120403_C001         Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records           CS_OFFL_SIR_GOPR_2_2019101112306	CS_OFFL_SIR_GOPR_2_20191011T150534_20191011T150927_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20191011T18420_20191011T170754_20191011T171008_C001       Topography (1)       Topography (1)         CS_OFFL_SIR_GOPR_2_20191011T170754_20191011T171008_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 (1), Total Geocentric Ocean Tide (GOT)         CS_OFFL_SIR_GOPR_2_20191011T181811_20191011T181952_C001       Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)       There is an error with the Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_GOPR_2_20191011T182030_20191011T182208_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_GOPR_2_20191011T182208_20191011T182451_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_GOPR_2_20191011T182208_20191011T182451_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_20191011T195748_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) in one or more records         CS_OFFL_SIR_GOPR_2_20191011T195748_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) in the Mean Dynamic Topography height (solution 1) for one or more records <td>CS_OFFL_SIR_GOPR_2_20191011T163818_20191011T164420_C001</td> <td></td> <td>There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records</td>	CS_OFFL_SIR_GOPR_2_20191011T163818_20191011T164420_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20191011T170754_20191011T171008_C001       Topography (1), Total Geocentric Ocean       Topography height (solution 1) and the Total Geocentric Ocean         CS_OFFL_SIR_GOPR_2_20191011T181811_20191011T181952_C001       Mean Dynamic Topography (1), Total Geocentric Ocean       There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean         CS_OFFL_SIR_GOPR_2_20191011T182030_20191011T18208_C001       Mean Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20191011T182208_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20191011T182208_20191011T182208_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20191011T182208_20191011T195748_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20191011T195748_20191011T200403_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20191011T213016_20191011T214426_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20191011T2130914_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the Mean Dynamic Topography (solution 1) for one or more	CS_OFFL_SIR_GOPR_2_20191011T164420_20191011T164530_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Ge_OFFL_SIR_GOPR_2_201910111101611_2019101111016152_0001Geocentric Ocean Tide (GOT)Total Geocentric Ocean Tide (solution 1: GOT) for one or more recordsCS_OFFL_SIR_GOPR_2_201910111182030_201910111182030_20191011118208_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_201910111118208_201910111182451_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_2019101111195650_201910111195748_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_201910111195748_201910111200403_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_201910111230916_201910111214426_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_201910111230914_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_201910111231245_201910111230914_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_201910111231436_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or mo	CS_OFFL_SIR_GOPR_2_20191011T170754_20191011T171008_C001	Topography (1), Total Geocentric Ocean	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heigh (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPR_2_20191011118208_20191011118208_C001       Topography (1)       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011T18208_20191011T182451_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011T195650_20191011T195748_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011T195748_20191011T200403_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011T213916_20191011T214426_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011T230713_20191011T230914_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_20191011T231245_20191011T231436_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_20191011T181811_20191011T181952_C001		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_GOPR_2_20191011T182208_20191011T182431_C001       Topography (1)       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011T195660_20191011T195748_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_GOPR_2_20191011T195748_20191011T200403_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011T213916_20191011T214426_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_GOPR_2_20191011T213916_20191011T214426_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_GOPR_2_20191011T230713_20191011T230914_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_20191011T231245_20191011T231436_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_20191011T182030_20191011T182208_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20191011T195748_20191011T230403_C001       Topography (1)       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011T213916_20191011T213426_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011T213916_20191011T213426_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011T230713_20191011T230914_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_20191011T231245_20191011T231436_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_20191011T182208_20191011T182451_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_201910111230916_201910111200405_C001       Topography (1)       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011T213916_20191011T214426_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20191011T230713_20191011T230914_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_20191011T231245_20191011T231436_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_20191011T195650_20191011T195748_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_201910111230713_201910111230914_C001       Mean Dynamic Topography (1)       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_201910111230713_201910111230914_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_201910111231245_201910111231436_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_20191011T195748_20191011T200403_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_201910111231245_201910111231436_C001 Mean Dynamic Topography (1) or more records CS_OFFL_SIR_GOPR_2_201910111231245_201910111231436_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for on or more records	CS_OFFL_SIR_GOPR_2_20191011T213916_20191011T214426_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
view Dynamic Topography (1) or more records	CS_OFFL_SIR_GOPR_2_20191011T230713_20191011T230914_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_20191011T231245_20191011T231436_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_20191011T231816_20191011T232619_C001 [Mean Sea Surface (1), Mean Dynamic Topography (1) [Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPR_2_20191011T231816_20191011T232619_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.

89

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20191011T002029_20191011T005318_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T010041_20191011T010553_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_20191011T011126_20191011T012714_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T014527_20191011T014659_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T015718_20191011T022749_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T022800_20191011T023234_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T023843_20191011T024041_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_20191011T024047_20191011T024502_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_20191011T025021_20191011T031426_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T031557_20191011T032254_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T032254_20191011T032346_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T032611_20191011T032713_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_20191011T033631_20191011T034147_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T034234_20191011T035152_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T035455_20191011T035729_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T035733_20191011T040527_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T040531_20191011T041148_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T041418_20191011T041939_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_20191011T041958_20191011T042209_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_20191011T043049_20191011T044122_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T044449_20191011T045341_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T045508_20191011T050155_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T050555_20191011T050615_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_20191011T052401_20191011T053413_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T053616_20191011T053828_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T053921_20191011T054347_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T054450_20191011T055035_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T055344_20191011T055839_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_20191011T060714_20191011T061049_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T062439_20191011T063401_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T063423_20191011T063736_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T071501_20191011T072917_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T073322_20191011T073807_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_20191011T074540_20191011T081115_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T084419_20191011T090826_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T091310_20191011T091706_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_20191011T091711_20191011T091720_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_20191011T091727_20191011T092051_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_20191011T092429_20191011T095047_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T102201_20191011T104753_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T105135_20191011T105619_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_20191011T110514_20191011T113745_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T114930_20191011T115228_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T122228_20191011T122432_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T123124_20191011T123647_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_20191011T124412_20191011T130451_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T130737_20191011T131905_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T132859_20191011T133244_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T134854_20191011T135526_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T135533_20191011T140509_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_GOPM_2_20191011T141051_20191011T141546_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_20191011T142248_20191011T145516_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T152024_20191011T154323_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T160230_20191011T161721_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T161752_20191011T161911_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T162352_20191011T163135_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T164651_20191011T164956_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_20191011T165218_20191011T170753_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T171008_20191011T172502_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T173149_20191011T173403_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_20191011T173444_20191011T173902_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_20191011T174137_20191011T175540_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_0FFL_SIR_GOPM_2_20191011T175719_20191011T181332_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T182841_20191011T182857_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T183108_20191011T184713_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T185148_20191011T190520_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T190940_20191011T191806_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_20191011T192136_20191011T194307_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T195009_20191011T195650_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_20191011T200857_20191011T201640_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T201858_20191011T204502_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T205130_20191011T205618_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_20191011T210256_20191011T212515_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T213319_20191011T213508_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_20191011T215753_20191011T222255_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T223049_20191011T223646_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_20191011T224007_20191011T230712_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

	1	
CS_OFFL_SIR_GOPM_2_20191011T231436_20191011T231728_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20191011T232930_20191012T000205_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191011T060032_20191011T060311_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191011T133739_20191011T133823_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_20191011T151110_20191011T151155_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_20191011T164530_20191011T164651_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_20191011T041149_20191011T041247_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T050743_20191011T051304_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T092206_20191011T092429_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_0FFL_SIR_GOPR_2_20191011T104753_20191011T105011_C001	and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T161911_20191011T162352_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T164420_20191011T164530_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

## L2 Quality Flags (20Hz PLRM)

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

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

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

88

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20191011T000325_20191011T000447_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_20191011T001849_20191011T002029_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_20191011T005725_20191011T010041_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191011T010553_20191011T010716_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_20191011T012714_20191011T013008_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_20191011T023440_20191011T023843_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191011T024502_20191011T024609_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_20191011T041247_20191011T041318_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191011T041318_20191011T041418_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191011T050155_20191011T050554_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191011T051304_20191011T051331_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20191011T052040_20191011T052401_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_20191011T055200_20191011T055344_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

Construction         Construction<	CS_OFFL_SIR_GOPN_2_20191011T060032_20191011T060311_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
AL_OPT_UR_QROP_Q2_00001170018_010011110010_0001     DOOD Research Regr Carls (NR)     In COOD Research Regr Carls (NR)       AL_OPT_UR_QROP_Q2_00001170018_010011110010_0001     COOD Research Regr Carls (NR)     In COOD Research Regr Carls (NR)       AL_OPT_UR_QROP_Q2_00001170018_01011110010_0001     COOD Research Regr Carls (NR)     In COOD Research Regr Carls (NR)       AL_OPT_UR_QROP_Q2_00001170018_01011110010_0001     COOD Research Regr Carls (NR)     In COOD Research Regr Carls (NR)       AL_OPT_UR_QROP_Q2_00001170018_01011110010_0001     COOD Research Regr Carls (NR)     In COOD Research Regr Carls (NR)       AL_OPT_UR_QROP_Q2_00001170018_01011110010_0001     COOD Research Regr Carls (NR)     In COOD Research Regr Carls (NR)       AL_OPT_UR_QROP_Q2_00001170018_01011110010_0001     COOD Research Regr Carls (NR)     In COOD Research Regr Carls (NR)       AL_OPT_UR_QROP_Q2_00001170018_0101110010_0001     COOD Research Regr Carls (NR)     In COOD Research Regr Carls (NR)       AL_OPT_UR_QROP_Q2_00001170018_0101110010_0001     COOD Research Regr Carls (NR)     In COOD Research Regr Carls (NR)       AL_OPT_UR_QROP_Q2_00001170018_0101110010_0001     COOD Research Regr Carls (NR)     In COOD Research Regr Carls (NR)       AL_OPT_UR_QROP_Q2_00001170018_011110101_00000     COOD Research Regr Carls (NR)     In Coond Research Regr Carls (NR)       AL_OPT_UR_QROP_Q2_00001170018_011110101_00000     COOD Research Regr Carls (NR)     In Coond Research Regr Carls (NR)       AL_OPT_UR_QROP_Q2_00001170018_0111101100000     COOD	CS_OFFL_SIR_GOPN_2_20191011T060320_20191011T060647_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
000000000000000000000000000000000000	CS_OFFL_SIR_GOPN_2_20191011T061818_20191011T062439_C001	OCOG Altimeter Range Quality PLRM,	
CB_OPE_UB00PE_2_010011170246_2010011170246_2010       Phil Detected Uaity Fugs Enables County Fugs Enally Fugs Enables County Fugs Enables Count	CS_OFFL_SIR_GOPN_2_20191011T064119_20191011T064156_C001		
Constructions, Conful, Sin, Conful, 2, 20191011102402, 201910111122402, 201910111102402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 201910111122402, 20191011112440, 2019  Coco Adventer Range, SSRA, SWR, res excells.  Coco Adventer Range, S	CS_OFFL_SIR_GOPN_2_20191011T073948_20191011T074310_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
COUNCE         COUNCE<	CS_OFFL_SIR_GOPN_2_20191011T082105_20191011T082455_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
cdl_offL_sing_corpL_2.0199311702202_0199311702202_0001     micl_backstate     Description     Descript	CS_OFFL_SIR_GOPN_2_20191011T084009_20191011T084140_C001		
CS_OFFL_SIR_GOPL_2_0990111101014_2990111100105_0001         pml Backsteint Couply Play Local pml Backsteint Couply Play Local America Range Status pml Backsteint Couply Play Local pml Backsteint Couply Play Local America Range Status pml Backsteint Couply Play Local America Range St	CS_OFFL_SIR_GOPN_2_20191011T092052_20191011T092206_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20191011T105132_001011T105132_001       and Backaster Coality FLM. OCCO.       and Backaster Coality FLM. OCCO.         CS_OFFL_SIR_GOPN_2_20191011T123047_20191011T123052_0001       and Backaster Coality FLM. OCCO.       The Oceon Attentor Progr. SSIA, SWH.         CS_OFFL_SIR_GOPN_2_20191011T123052_001011T123052_0001       and Backaster Coality FLM. OCCO.       The Oceon Attentor Progr. SSIA, SWH.         CS_OFFL_SIR_GOPN_2_20191011T123052_001011T123052_001011T141010_CO01       OCCO Attentor Range Coality FLM. OCCO.       The OCCO Backaster Coality FLM. OCCO.         CS_OFFL_SIR_GOPN_2_20191011T141040_20191011T141010_CO01       OCCG Attentor Range Coality FLM. OCCO.       The OCCO Backaster Coality FLM. OCCO.         CS_OFFL_SIR_GOPN_2_20191011T141040_20191011T14010_CO01       OCCG Attentor Range Coality FLM. OCCO.       The OCCO Backaster Coality FLM. OCCO.         CS_OFFL_SIR_GOPN_2_20191011T14010_CO01       OCCG Attentor Range Coality FLM. OCCO.       The OCCO Backaster Coality FLM. OCCO.         CS_OFFL_SIR_GOPN_2_20191011T12642_20191011T12017_CO01       OCCG Attentor Range Coality FLM. OCCO.       The OCCO Backaster Coality FLM. OCCO.         CS_OFFL_SIR_GOPN_2_20191011T12542_20191011T12610_CO01       OCCG Attentor Range Coality FLM. OCCO.       The OCCO Range and Backaster Coality FLM. OCCO.         CS_OFFL_SIR_GOPN_2_20191011T12542_20191011T12610_CO01       OCCG Attentor Range Coality FLM. OCCO.       The OCCOR Range and Backaster Coality FLM. OCCO.         CS_OFFL_SIR_GOPN_2_20191011T126252_20191011T126267_CO01	CS_OFFL_SIR_GOPN_2_20191011T101044_20191011T101105_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20101011T123647_20191011T123668_C011         Doesn Minister Range SSM, SVM and Backscatter Cuality Flags have been after one or rorse records.           CS_OFFL_SIR_GOPN_2_20101011T123647_20191011T123668_C011         CCCOG Backscatter Cuality FLags have been after one or rorse records.           CS_OFFL_SIR_GOPN_2_20101011T123668_C0191011T134691_C011         CCCOG Backscatter Cuality FLags have been set for one or rorse records.           CS_OFFL_SIR_GOPN_2_20101011T14568_D0191011T141910_C011         CCCOG Backscatter Cuality FLAM, The CCCOG Range and Backscatter Cuality FLAM, The CCCOG Range an	CS_OFFL_SIR_GOPN_2_20191011T105011_20191011T105135_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCCO Backacater Quality more records.  OCCO Backacater Quality more records.  DCCO Range and Backacater Quality FIRM The OCCOG Range and Backacater Quali	CS_OFFL_SIR_GOPN_2_20191011T123647_20191011T123958_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_DFT_SR_GOPR_2_201910111164565_201910111100117_C001         OCC6 Backscatter Quality         The OCC6 Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SR_GOPN_2_20191011115565_201910111100117_C001         OCC6 Backscatter Quality         The OCC6 Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SR_GOPN_2_201910111172562_201910111173049_C001         OCC6 Alimeter Range Quality PLRM, OCC6         The OCC6 Range and Backscatter Quality Flags have been set for one or one records.           CS_OFFL_SR_GOPN_2_201910111172003_201910111178207_C001         OCC6 Alimeter Range Quality PLRM, OCC6         The OCC6 Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SR_GOPN_2_201910111182707_C001         OCC6 Alimeter Range Quality PLRM, OCC6         The OCC6 Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SR_GOPN_2_201910111182707_C001         OCC6 Alimeter Range Quality PLRM, OCC6         The OCC6 Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SR_GOPN_2_201910111182706_C001         OCCC6 Alimeter Range Quality PLRM, OCC6         The OCC6 Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SR_GOPN_2_201910111182706_C001         OCCC6 Alimeter Range Quality PLRM, OCC6         The OCC6 Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SR_GOPN_2_201910111184716_201910111184716_201910111184716_2019101111184716_201910111184716_2019101111184716_2019101111184716	CS_OFFL_SIR_GOPN_2_20191011T134538_20191011T134854_C001		
CS_OFF_SIR_GOPN_2_20191011112642_20191011112642         OCCO Backscatter Quality         more records.           CS_OFFL_SIR_GOPN_2_201910111172642_201910111172149_CO01         OCCO Backscatter Quality         The OCCOR Admeter Range, SSHA, SWH and Backscatter Quality Flags have been after one or more records.           CS_OFFL_SIR_GOPN_2_201910111172642_201910111172642_201910111172642_201910111172642_201910111172642_201910111172642_201910111172642_201910111172642_201910111172642_201910111172642_201910111172642_20191011118270_CO01         OCCOA Attender Range Quality PLFM, The OCCOR Admeter Range SSHA, SWH and Backscatter Quality Flags have been aft for one or more records.           CS_OFFL_SIR_GOPN_2_201910111182765_201910111182707_CO01         OCCOA Attender Range Quality PLFM, The OCCOR Range and Backscatter Quality Flags have been aft for one or more records.           CS_OFFL_SIR_GOPN_2_201910111182765_201910111182706_C001         OCCOA Attender Range Quality PLFM, OCCOG Range and Backscatter Quality Flags have been aft for one or more records.           CS_OFFL_SIR_GOPN_2_201910111182765_201910111182762_C001         OCCOA Attender Range Quality PLFM, OCCOG Range and Backscatter Quality Flags have been aft for one or more records.           CS_OFFL_SIR_GOPN_2_201910111184715_201910111184716_2001         OCCOA Attender Range Quality PLFM, OCCOG Attender Range Quality PLFM,	CS_OFFL_SIR_GOPN_2_20191011T141546_20191011T141910_C001		
GS_OFFL_SIR_GOPN_2_201910111172542_201910111173149_0001       and Backscatter Quality PLRM_OCOO_ Attimuter Range and Backscatter Quality FLRM_FLRM_COO_ PLRM       im to Bockscatter Quality FLRM_FLRM_FLRM_FLRM_FLRM_FLRM_FLRM_FLRM_	CS_OFFL_SIR_GOPN_2_20191011T155451_20191011T160117_C001		
CS_OFFL_SIR_GOPN_2_2019101111/3500_201910111128250_001       OCC6 Backscatter Quality       more records.         CS_OFFL_SIR_GOPN_2_201910111182451_201910111182707_C001       OCC6 Backscatter Quality       The OCC6 Altimeter Range and Backscatter Quality       The OCC6 Range and Backscatter Quality         CS_OFFL_SIR_GOPN_2_201910111182558_201910111182106_C001       OCC6 Backscatter Quality       The OCC6 Range and Backscatter Quality       The OCC6 Range and Backscatter Quality         CS_OFFL_SIR_GOPN_2_201910111182715_201910111185148_C001       OCC6 Altimeter Range Quality PLRM, OCC6       The OCC6 Range and Backscatter Quality       The OCC6 Range and Backscatter Quality       Flags and Backscatter Quality         CS_OFFL_SIR_GOPN_2_201910111184715_201910111184148_C001       OCC6 Altimeter Range Quality PLRM, OCC6       The OCC6 Range and Backscatter Quality       The OCC6 Range and Backscatter Quality       Flags and Backscatter Quality         CS_OFFL_SIR_GOPN_2_201910111184742_201910111194823_C001       OCC6 Altimeter Range Quality PLRM, OCC6       The OCC6 Range and Backscatter Quality       The OCC6 Range and Backscatter Quality       Flags and Backscatter Quality         CS_OFFL_SIR_GOPN_2_20191011120453_0001       OCC6 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.       The OCC6 Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_201910111205618_201910111205631_0001       Altimeter Range and Backscatter Quality Flags have been set for one or more records.       The OCC6 Range and	CS_OFFL_SIR_GOPN_2_20191011T172542_20191011T173149_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_GOPN_2_20191011T182451_20191011T182707_C001       and Backscatter Quality PLRM, C0uality PLRM, C0uality PLRM, C0uality PLRM, C0CG Altimeter Range and Backscatter Quality PLRM, C0CG Altimeter Range and Backscatter Quality PLRM, C0CG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, C0CG Altimeter Range and Backscatter Quality PLRM, C0CG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, C0CGG Altimeter Range and Backscatter Quality PLRM, C0CG Altimeter R	CS_OFFL_SIR_GOPN_2_20191011T173903_20191011T174039_C001		
CS_OFFL_SIR_GOPN_2_201910111185108_C0011       OCCG Backscatter Quality       more records.         CS_OFFL_SIR_GOPN_2_201910111185108_C0011       Occan Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_201910111194422_201910111194823_C001       OCCG Backscatter Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_201910111204723_201910111204843_C001       Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_201910111205618_201910111205831_C001       Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_201910111212515_201910111205831_C001       Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_201910111212515_201910117213850_C01910117213850_201910117213850_201910117213850_201910117213850_201910117213850_201910117213850_201910117213850_201910117213850_201910117213815_C001       Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011723846_20191011723815_C001       Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011723846_20191011723815_C001       Occan Altimeter Range an	CS_OFFL_SIR_GOPN_2_20191011T182451_20191011T182707_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20191011T184715_20191011T185148_CO01       and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality PLRM, COCG CoCG Backscatter Quality PLRM, COCG Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T204723_20191011T204843_CO01       OCCG Altimeter Range Quality PLRM, COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T204723_20191011T204843_CO01       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T213850_20191011T213815_CO01       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T23769_20191011T237615_C001       OCCGA Altimeter Range Albackscat	CS_OFFL_SIR_GOPN_2_20191011T182858_20191011T183108_C001		
CS_OFFL_SIR_GOPN_2_201910111194442_20191011119442_2001       OCGG Backscatter Quality       more records.         CS_OFFL_SIR_GOPN_2_201910111204723_201910111204843_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T2155_20191011T212640_C001       OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T213850_20191011T213915_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T223846_20191011T223815_C001       OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T233646_20191011T233815_C001       OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range Quality PLRM,       The OCCG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T233646_20	CS_OFFL_SIR_GOPN_2_20191011T184715_20191011T185148_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20191011T204723_20191011T204843_C001       and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality       The Ocean Attimeter Range, SSHA, SWH and the CCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T205618_20191011T205831_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.       The Ocean Attimeter Range, SSHA, SWH and the CCOG Attimeter Range and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags and the OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T213815_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T231815_C001       Ocean Attimeter Range Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T231815_C001       OCOG Attimeter Range Quality	CS_OFFL_SIR_GOPN_2_20191011T194442_20191011T194823_C001		
CS_OFFL_SIR_GOPN_2_20191011T205618_20191011T205831_C001       and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags ast for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T212515_20191011T212640_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T213850_20191011T213915_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T223846_20191011T223815_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM       The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T223846_20191011T223815_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM,       The OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T232649_20191011T232640_20191011T232815_C001       OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM,       The OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T232649_20	CS_OFFL_SIR_GOPN_2_20191011T204723_20191011T204843_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_201910111212515_201910111212640_C001       OCOG Backscatter Quality       more records.         CS_OFFL_SIR_GOPN_2_201910111213850_201910111213915_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T223646_20191011T223815_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T231759_20191011T231815_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T231759_20191011T231815_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T231759_20191011T231815_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T231759_20191011T231759_20191011T237743_C001       OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20191011T205618_20191011T205831_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_20191011T213850_20191011T213915_C001       and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM       and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T223646_20191011T223815_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T231759_20191011T231815_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_20191011T232619_20191011T232743_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_20191011T212515_20191011T212640_C001		
CS_OFFL_SIR_GOPN_2_20191011T223646_20191011T223815_C001       and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM       Ind Bockscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T231759_20191011T231815_C001       OCOG Altimeter Range Quality OCOG Backscatter Quality       The OCOG Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20191011T232619_20191011T232743_C001       OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20191011T213850_20191011T213915_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPN_2_201910111231739_201910111231735_C001 OCOG Backscatter Quality more records. OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_GOPN_2_20191011T223646_20191011T223815_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPN_2_20191011T231759_20191011T231815_C001		
	CS_OFFL_SIR_GOPN_2_20191011T232619_20191011T232743_C001		

CS_OFFL_SIR_GOPR_2_20191011T000859_20191011T001646_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T001809_20191011T001849_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_20191011T005318_20191011T005725_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T010716_20191011T011126_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T014041_20191011T014527_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_20191011T014659_20191011T014816_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T014903_20191011T015718_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T024609_20191011T025021_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T032832_20191011T033555_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T040527_20191011T040531_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T042353_20191011T043049_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T044312_20191011T044449_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_20191011T050743_20191011T051304_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T064634_20191011T065300_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T070717_20191011T071501_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_20191011T072918_20191011T073118_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T074311_20191011T074540_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T081115_20191011T081255_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_20191011T082456_20191011T083012_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T100148_20191011T101044_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T104753_20191011T105011_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T114114_20191011T114929_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T115228_20191011T115434_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_20191011T115847_20191011T120002_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_20191011T122432_20191011T122957_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T123958_20191011T124411_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T131906_20191011T132636_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_GOPR_2_20191011T135527_20191011T135533_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T140509_20191011T140936_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T141911_20191011T142248_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T145859_20191011T150534_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T150534_20191011T150927_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T154324_20191011T155022_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T160117_20191011T160230_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T163818_20191011T164420_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T164420_20191011T164530_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T170754_20191011T171008_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_20191011T181332_20191011T181347_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_20191011T181811_20191011T181952_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T182030_20191011T182208_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T195748_20191011T200403_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T201641_20191011T201858_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_20191011T205831_20191011T210113_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T213508_20191011T213612_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_20191011T213916_20191011T214426_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T222255_20191011T222650_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20191011T231245_20191011T231436_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_20191011T231816_20191011T232619_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
1.2 Quality Flows (4.11- 8.411- DI DM)		

## L2 Quality Flags (1 Hz & 1Hz PLRM)

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

199

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

Number of products with errors:

#### 5.8 L2 Ocean Retracking Quality Check

## L2 Retracking Flags (20Hz)

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

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors:

## L2 Retracking Flags (20Hz, PLRM)

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

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

67

## 6. GOP L2 Pole-to-Pole Data Quality Check

#### 6.1 P2P Product Format Check

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

Number of products with errors:

#### 6.2 P2P Product Header Analysis

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

#### 6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

#### 6.4 P2P Auxiliary Correction Error Check

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

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

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

30

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220191010T232208_20191011T001142_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191011T001142_20191011T010122_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_220191011T010122_20191011T015056_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_220191011T015056_20191011T024035_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_220191011T024035_20191011T033009_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_220191011T033009_20191011T041949_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_220191011T041949_20191011T050923_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_220191011T050923_20191011T055902_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_220191011T055902_20191011T064837_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_220191011T064837_20191011T073816_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_220191011T073816_20191011T082750_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_GOP_2_20191011T082750_20191011T091730_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_220191011T091730_20191011T100704_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_220191011T100704_20191011T105643_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_220191011T105643_20191011T114617_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_220191011T114617_20191011T123557_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_220191011T123557_20191011T132531_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_220191011T132531_20191011T141510_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_220191011T141510_20191011T150444_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_220191011T150444_20191011T155424_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_220191011T155424_20191011T164358_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_220191011T164358_20191011T173337_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_220191011T173337_20191011T182312_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_2_20191011T182312_20191011T191251_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_220191011T191251_20191011T200225_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_220191011T200225_20191011T205205_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_220191011T205205_20191011T214139_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_220191011T214139_20191011T223118_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_220191011T223118_20191011T232052_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_220191011T232052_20191012T001032_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

# 6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement of	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	each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.
Since the P2P Quality Flags are copied di	rectly 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 di	rectly 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 PL	.RM)
Since the P2P Quality Flags are copied di	rectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.
Number of products with errors:	30
6.8 P2P Ocean Retracking Qua	ality Check
P2P Retracking Flags (20Hz)	
	ng 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): The second se	is flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.
Number of products with errors:	29
P2P Retracking Flags PLRM	
CryoSat L2 data includes an ocean retrackin	g 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): The	nis 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