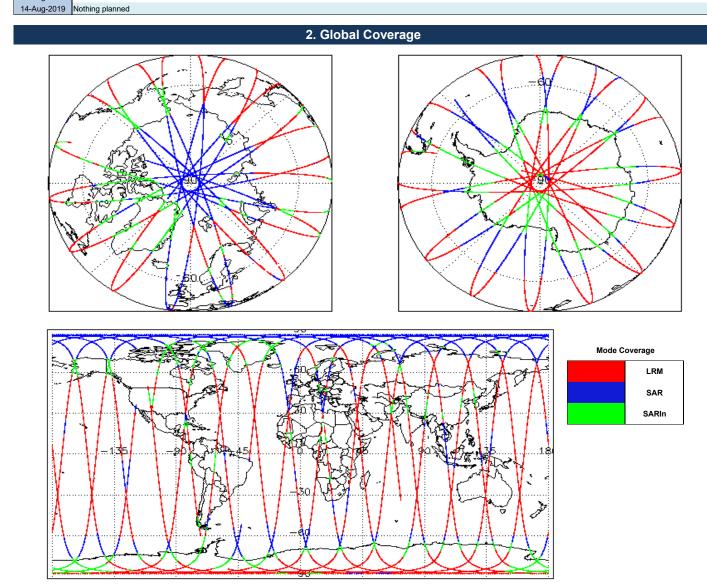


# IDEAS+ Daily Report for GOP data:

# <u>13/08/2019</u>

1. Overview			
	Check	11812	P2P
13-Sep-2019	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
CryoSal Ocean Processor	Product Software Check	Nominal	Nominal
Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
	Auxiliary Data File Usage Check	Nominal	Nominal
	Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
	Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
	Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
	Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
	CryoSat Ocean Processor Geophysical Ocean Products (GOP)	CryoSat Ocean Processor       Check         Geophysical Ocean Products (GOP)       Server check: calval-pds.cryosat.esa.int         L1B, L2 & P2P Science Data       Product Software Check         Product Format Check       Product Format Check         Auxiliary Data File Usage Check       Auxiliary Correction Error Check         Measurement Confidence Data Check       Range, SWH & Backscatter Measurement Check	CryoSat Ocean Processor     Check     L1 & L2       Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data     Server check: calval-pds.cryosat.esa.int     Nominal       Product Software Check     Nominal     Nominal       Auxiliary Data File Usage Check     Nominal       Auxiliary Correction Error Check     See Section 5.4       Measurement Confidence Data Check     See Section 5.6

# Mission / Instrument News 12-Aug-2019 None None None



# 3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

# 4. GOP Level 1B Data Quality Check

# 4.1 L1B Product Format Check

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

Number of products with errors:

0

4.2 L1B Product Header Analysis		
For all products, a series of pre-defined checks are performed on the MPH and	SPH in order to identify any inconsistencies a	nd/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.	GOPR and GOPN products because the I1b	processing_quality_hr field is not correctly configured in the OSAR and
Number of products with errors: 0		
4.3 L1B Auxilary Data File Usage Check		
ach product is checked for missing Data Set Descriptors with respect to a pre	-determined baseline and also to check the va	lidity of Auxiliary Data Files is correct.
Number of products with errors: 0		
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 any proble	ems 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	ent record. The bit value of this flag indicates	any problems when set.
Attitude Correction Missing: This flag is currently set in error for GOPR produ	ucts due to a configuration issue. This is being	investigated and will be updated in the next SW update.
Number of products with errors:     2		
Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20190813T101240_20190813T102208_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

Power scaling error

records

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

# 4.6 L1B Waveform Group Data Check

CS\_OFFL\_SIR\_GOPM1B\_20190813T215324\_20190813T215935\_C001

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

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

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#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20190813T020558_20190813T021023_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190813T071624_20190813T073106_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190813T100434_20190813T100956_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190813T222336_20190813T224625_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190813T052725_20190813T053017_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190813T070817_20190813T070902_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190813T084616_20190813T084831_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190813T094942_20190813T095152_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190813T133830_20190813T134230_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190813T184732_20190813T185139_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190813T202926_20190813T203159_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190813T220546_20190813T220805_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190813T234043_20190813T234107_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190813T030904_20190813T031131_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190813T102208_20190813T102242_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190813T170004_20190813T170723_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190813T171153_20190813T171917_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190813T201941_20190813T202448_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190813T210143_20190813T210240_C001	Loss of Echo	The tracking echo is missing for one or more records

# 5. GOP Level 2 Data Quality Check

#### 5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 0

#### 5.2 L2 Product Header Analysis

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

#### 5.3 L2 Auxiliary Data File Usage Check

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

#### 5.4 L2 Auxiliary Correction Error Check

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

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

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190813T020558_20190813T021023_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20190813T073648_20190813T075237_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20190813T102242_20190813T102248_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20190813T121502_20190813T121535_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20190813T233625_20190813T233649_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records
CS_OFFL_SIR_GOPM_2_20190813T233649_20190813T233656_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_20190813T012110_20190813T012314_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20190813T025903_20190813T030222_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_20190813T030745_20190813T030903_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_20190813T043756_20190813T044116_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_20190813T044638_20190813T044802_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_20190813T052725_20190813T053017_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_20190813T061427_20190813T061624_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_20190813T062501_20190813T062634_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_20190813T070817_20190813T070902_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_20190813T080229_20190813T080436_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_20190813T084616_20190813T084831_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_20190813T093245_20190813T093431_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_20190813T094942_20190813T095152_C001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOPN_2_20190813T102248_20190813T102659_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_20190813T112209_20190813T112412_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_20190813T133830_20190813T134230_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_20190813T143124_20190813T143248_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_20190813T144038_20190813T144151_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPN_2_20190813T153221_20190813T153308_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_20190813T161051_20190813T161217_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_20190813T161729_20190813T162031_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_20190813T175109_20190813T175409_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_20190813T175630_20190813T180147_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

DCUTULINGCONFLICTONECTIONSCITTONECTIONSCI	CS_OFFL_SIR_GOPN_2_20190813T184732_20190813T185139_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
Care, Ball, Care, J., Constant J., Constant J., Care, Data H., Takaraba, Care, Ball, Care, Ball, Care, J. J., Constant J., J.,	CS_OFFL_SIR_GOPN_2_20190813T193107_20190813T193341_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic
Display <t< td=""><td>CS_OFFL_SIR_GOPN_2_20190813T200933_20190813T201308_C001</td><td>Mean Dynamic Topography (1)</td><td></td></t<>	CS_OFFL_SIR_GOPN_2_20190813T200933_20190813T201308_C001	Mean Dynamic Topography (1)	
Displace         Displace         Displace         Displace         Displace           Circle Service	CS_OFFL_SIR_GOPN_2_20190813T202622_20190813T202736_C001		
Visit Strik Golff, 2 Januard 12 Keek 201000111120000, 2001     Mark 158 (Upper 1, 1992) (Upper 1, 20100011120000, 2010011120000, 2010011120000, 20100011120000, 20100011120000, 20100011120000, 201001112000	CS_OFFL_SIR_GOPN_2_20190813T202926_20190813T203159_C001		
Visit Str. 2017 2.819 Control 122006 2001         Tecopage (i)         Tecopage (i)         Tecopage (i)         Tecopage (i)           C3, 071_SR, 0074_2.801001122002 2001         Mon Statute (1) Main Dynamic         Teco age and the DSD legit (column) (i) for all Main Organize           C3, 071_SR, 0074_2.801001122002 2001         Mon Statute (1) Main Dynamic         Tecr as a more where the DSD legit (column) (i) for all Main Organize           C3, 071_SR, 0074_2.80100117000165_20100117000166_0001         OFD Wit Tecopate(i) (1)         Tecr as a more where the DSD legit (column) (i) for all Main Organize           C3, 071_SR, 0076_2.201000117000165_2010011700166_0001         OFD Wit Tecopate(i) (1)         Tecr is a more where the DSD legit (column) (i) for all Main Organize           C3, 071_SR, 0076_2.20100011700165_2010011700166_0001         OFD Wit Tecopate(i) (1)         Tecr is a more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an anise more where the DSD legit (column) (i) for an ani	CS_OFFL_SIR_GOPN_2_20190813T210608_20190813T211207_C001	Mean Dynamic Topography (1)	
Des. Def. Serv. Gen. 2. delegation strategies. Joint of 11:2001. Cold         The programme (1)         The programme (1)         The programme (1)           CS. OFTL, SR. CONE, 2. delegation strategies. Joint of 11:2000. Cold         March Soc Marce (1). March Instances (1)         March Soc Marce (1). March Instances (1)         March Soc Marce (1). March Instances (1)           CS. OFTL, SR. CONE, 2. delegation strategies. Joint of 11:2000. Cold         CR OFTL, SR. CONE, 2. delegation strategies. Joint of 11:2000. Cold         CR OFTL, SR. CONE, 2. delegation strategies. Joint of 11:2000. Cold         The cold Marce (1). March Instances (1)         The cold Marce (1). March Instances (1)           CS. OFTL, SR. CONE, 2. delegation strategies. Joint of 11:2000. Cold Strategies. Joint of 2:2000. Strategies. Joint of 11:2000. Cold Strategies. Joint of 11:2000. Cold Strategies. Joint of 2:2000. Strategies. Joint Joint Strategies. Joint of 11:2000. Cold Strategies. J	CS_OFFL_SIR_GOPN_2_20190813T220546_20190813T220805_C001		
CH	CS_OFFL_SIR_GOPN_2_20190813T224823_20190813T225011_C001		
CPFL_SRL_COFL_26 (1008) 1000 MPL_2 (0108) 1000 MPL_2001         Toography (1)         Toography (1)         Toography (1)           CS_OFFL_SRL_COFFL_20100813700 MPL_20010813100 MPL_2001         CPD WeI Trepsphere Correction         There is an error with the Main Dynamic Trepsgraphy (doublen 1) for one more excess           CS_OFFL_SRL_COFFL_20100813700 MPL_2010813100 MPL_20011         Mean Dynamic Trepsgraphy (doublen 1) for one more excess           CS_OFFL_SRL_COFFL_20100813700 MPL_2010813700 MPL_20011         Mean Dynamic Trepsgraphy (doublen 1) for one more excess           CS_OFFL_SRL_COFFL_20100813700 MPL_2010813700 MPL_20011         Mean Dynamic Trepsgraphy (doublen 1) for one more excess           CS_OFFL_SRL_COFFL_2010813700 MPL_2010813700 MPL_20011         Mean Dynamic Trepsgraphy (doublen 1) for Owe more excess           CS_OFFL_SRL_COFFL_2010813700 MPL_2010813700 MPL_20011         Mean Dynamic Trepsgraphy (doublen 1) for one more excess           CS_OFFL_SRL_COFFL_2010813700 MPL_2010813700 MPL_20011         Mean Dynamic Trepsgraphy (doublen 1) for Owe more excess           CS_OFFL_SRL_COFFL_2010813700 MPL_200101         Mean Dynamic Trepsgraphy (doublen 1) and the Mean Dynamic Tr	CS_OFFL_SIR_GOPN_2_20190813T234521_20190813T235000_C001		
CPFH_SHP_CPT         Control         CPFL_SHP_CPT         Control         CPFL_SHP_CPT           CS_CPFL_SHP_CPT         Control         CPFL_SHP_CPT         The is an error with the Mean Dynamic Topography (1)           CS_CPFL_SHP_CPT         Control         The is an error with the Mean Dynamic Topography (1)         The is an error with the Mean Dynamic Topography (1)           CS_CPFL_SHP_CPT         Control         The is an error with the Mean Dynamic Topography (1)         The is an error with the Mean Dynamic Topography (1)           CS_CPFL_SHP_COPR_2_2011006137020164_201006137020162_201060137020162_2010601370001_20100_2010_2010_2010_2010_2010_201	CS_OFFL_SIR_GOPR_2_20190813T003146_20190813T003402_C001		
Spectra Service and Confer 2, 201808131028012, 201808131102824, 20180813110282, 201808131102824, 20180811108284,	CS_OFFL_SIR_GOPR_2_20190813T004855_20190813T004918_C001	GPD Wet Tropospheric Correction	
Corpert_Sint_Govert_2.201906131020142_01006131020180_0001       Mean Dynamic Topography (Dimestion Topography (Dim	CS_OFFL_SIR_GOPR_2_20190813T015943_20190813T020049_C001	Mean Dynamic Topography (1)	
Mail         Tappgraphy (n)         Tappgraphy (n)         Tappgraphy (n)         Tappgraphy (n)         Tappgraphy (n)           CS_OFR_SR_COPR_2_0190813T03407_00190         Mem Dynamic Tappgraphy (n)         There is a more with the MSS height (calulan 1) and the Mean Dynamic Tappgraphy (n)           CS_OFR_SR_COPR_2_0190813T035017_00190         Mem Ses Sufface (1) Mean Dynamic Tappgraphy (n)         There is a more with the MSS height (calulan 1) and the Mean Dynamic Tappgraphy (n)           CS_OFR_SR_COPR_2_0190813T053017_00192         20190813T055017_0011         Mean Ses Sufface (1) Mean Dynamic Tappgraphy (n)         There is a more with the MSS height (calulan 1) and the Mean Dynamic Tappgraphy (n)           CS_OFR_SR_COPR_2_0190813T070192_0190813T055501_0001         Mean Ses Sufface (1) Mean Dynamic Tappgraphy (n)         There is a more with the MSS height (calulan 1) and the Mean Dynamic Tappgraphy (n)           CS_OFFL_SIR_COPR_2_0190813T070192_0190813T05501_0001         Mean Ses Sufface (1) Mean Dynamic Tappgraphy (n)         There is a more with the MSS height (calulan 1) and the Mean Dynamic Tappgraphy (n)         There is a more with the MSS height (calulan 1) and the Mean Dynamic Tappgraphy (n) and the Mean Dynamic Tappgraphy (n)         There is a more with the MSS height (calulan 1) and the Mean Dynamic Tappgraphy (n)           CS_OFFL_SIR_COPR_2_0190813T102502_01001         Mean Ses Sufface (1) Mean Dynamic Tappgraphy (n)         There is a more with the MSS height (calulan 1) and the Mean Dynamic Tappgraphy (n)           CS_OFFL_SIR_COPR_2_0190813T102522_0100813T102520_001         Mean Ses Sufface (1) Me	CS_OFFL_SIR_GOPR_2_20190813T020112_20190813T020139_C001	Mean Dynamic Topography (1)	
US_OFF_SIR_GOPR_2_000013103301/_000013103001/_00001       Mean Sea Surface (1) Mean Dynamic Topography (1)       There is an encodes         CS_OFF_SIR_GOPR_2_20190013T034035_20190013T03767_0001       Mean Sea Surface (1) Mean Dynamic Topography (1)       There is an encodes         CS_OFF_SIR_GOPR_2_20190013T034035_20190013T03707_E01_0001       Mean Sea Surface (1) Mean Dynamic Topography (1)       There is an encodes         CS_OFF_SIR_GOPR_2_20190013T034032_20190013T071601_0001       Mean Sea Surface (1) Mean Dynamic Topography (1)       There is an encodes         CS_OFF_SIR_GOPR_2_20190013T034032_20190013T02402_0010       Mean Sea Surface (1) Mean Dynamic Topography (1)       There is an encodes         CS_OFF_SIR_GOPR_2_20190013T034032_20190013T03221_0001       Mean Sea Surface (1) Mean Dynamic Topography (1)       There is an encode MHE MSS height (colution 1) and the Mean Dynamic Topography (1)         CS_OFF_SIR_GOPR_2_20190013T132032_20190013T132032_0001       Mean Sea Surface (1) Mean Dynamic Topography teight (colution 1) for one or more necodes         CS_OFF_SIR_GOPR_2_20190013T132032_0010       Mean Sea Surface (1) Mean Dynamic Topography teight (colution 1) and the Mean Dynamic Topography (1)       There is an encore with the MSS height (colution 1) and the Mean Dynamic Topography teight (colution 1) and the Mean Dynamic Topography teight (colution 1) for one or more necodes         CS_OFF_SIR_GOPR_2_20190013T132032_0010       Mean Sea Surface (1) Mean Dynamic Topography teight (colution 1) and the Mean Dynamic Topography teight (colution 1) and the Mean Dynamic Topography teight (colution 1) and the Mean Dynamic Topogr	CS_OFFL_SIR_GOPR_2_20190813T021044_20190813T021853_C001		
CS_OFFL_SIR_GOPR_2_20100813103403_20100813103405_L001       Topography (n)       Topography (n)         CS_OFFL_SIR_GOPR_2_20100813T05308_20100813T053807_C001       Main Sea Surface (1), Main Dynamic       There is an error with the MSS height (clulion 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20100813T064032_20100813T0653807_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (clulion 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20100813T064032_20100813T06534_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (clulion 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20100813T064032_20100813T06534_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (clulion 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20100813T120522_20100813T12050_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (clulion 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20100813T152052_20100813T152052_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (clulion 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20100813T152052_20100813T152032_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (clulion 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20100813T152032_0100813T152032_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (clulion 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20100813T152032_0100813T152032_C001	CS_OFFL_SIR_GOPR_2_20190813T033617_20190813T034019_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_GOPR_2_20190813103301_001       Topography (1)       Topography height (adultion 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813107501_C01       Mean Sea Surface (1), Mean Dynamic Topography height (adultion 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813108502_00100131108524_C001       Mean Sea Surface (1), Mean Dynamic Topography height (adultion 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813108522_0190813108524_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 (adultion 1) for one or more records         CS_OFFL_SIR_GOPR_2_201908131102522_0190813110522_001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (adultion 1) or one or more records         CS_OFFL_SIR_GOPR_2_20190813113203_01908131135005_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_201908131162153_20190813116224_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) on or or more records         CS_OFFL_SIR_GOPR_2_201908131162052_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) on or or more records         CS_OFFL_SIR_GOPR_2_201908131162023_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solutio	CS_OFFL_SIR_GOPR_2_20190813T034935_20190813T035757_C001		
US_OFFL_SIR_GOPR_2_019081310/0016_00190       Topography (1)       Topography Height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_0190813T08432_20190813T082524_0001       Mean Sea Surface (1), Mean Dynamic       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_0190813T02522_0190813T103221_0001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_0190813T10220_001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_0190813T16223_0190813T15205_0001       Mean Sea Surface (1), Mean Dynamic       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_0190813T152153_0190813T152824_0001       Mean Sea Surface (1), Mean Dynamic       Topography height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_0190813T152153_0190813T152824_0001       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_0190813T15203_010013T152824_00101       Mean Sea Surface (1), Mean Dynamic       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_0190813T170723_0010       Mean Sea Surface (1), Mean Dynamic       Topography height (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_0190813T16023_0001       Mean Sea Surface (1), Mean Dynamic       Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPR_2_20190813T053018_20190813T053807_C001		
CS_OFFL_SIR_GOPR_2_201908131102700_20190813T103221_C001       Mean Ses Surface (1). Mean Dynamic Topography (1)       There is an error with the MSS height (colution 1) and the Mean Dynamic Topography height (colution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T120522_20190813T121501_C001       Mean Ses Surface (1). Mean Dynamic Topography (1)       There is an error with the MSS height (colution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_GOPR_2_20190813T120522_20190813T125052_0010       Mean Ses Surface (1). Mean Dynamic Topography (1)       There is an error with the MSS height (colution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_GOPR_2_20190813T152052_0190813T152052_0001       Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T152052_0001       Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) and the Mean Dynamic Topography height (colution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T152052_0001       Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T170223_C001       Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T170223_0010013T170723_20190813T170723_00100813T170723_00100813T170723_0010813T170723_0010813T164100_001       Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T184618_0019013T164100_001       Mean Ses Surface (1). Mean Dynamic Topography height (colution 1) for one or more	CS_OFFL_SIR_GOPR_2_20190813T070918_20190813T071501_C001		
SS_OFFL_SIR_GOPR_2_20190813T102702_00190813T102521_C001       Topography (1)       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T120522_20190813T12505_C001       Mean Ses Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T132052_C001       Mean Ses Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T152163_20190813T152824_C001       Mean Ses Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T152824_20190813T152824_C001       Mean Ses 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_20190813T152824_20190813T152824_C001       Mean Ses 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_20190813T170723_C001       Mean Ses 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_20190813T184012_20190813T164618_C001       Mean Ses Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T184618_2019813T164618_C001       Mean Ses Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS h	CS_OFFL_SIR_GOPR_2_20190813T084832_20190813T085524_C001		
CS_OFFL_SIR_GOPR_2_20190813112052_20190813112001       Topography (1)       Topography leight (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T134231_20190813T135005_C001       Mean Sea Surface (1), Mean Dynamic       Topography leight (solution 1) and the Mean Dynamic         CS_OFFL_SIR_GOPR_2_20190813T152153_20190813T152824_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_20190813T152824_C0190813T152824_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_20190813T152824_20190813T152824_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_20190813T170023_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_20190813T184012_20190813T170923_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_20190813T184012_20190813T184618_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T184012_20190813T184618_C001       Mean Sea Surface (1), Mean Dynamic       There is an error with the MSS height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T184618_20190813T18	CS_OFFL_SIR_GOPR_2_20190813T102700_20190813T103221_C001		
CS_OFFL_SIR_GOPR_2_20190813T154231_20190813T154264_C001       Topography (1)       Topography (1)       Topography (2)         CS_OFFL_SIR_GOPR_2_20190813T15263_20190813T152824_C001       Mean Sea Surface (1), Mean Dynamic Topography (3)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (4)         CS_OFFL_SIR_GOPR_2_20190813T152824_20190813T152824_20190813T152824_20190813T152824_20190813T170723_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T170723_20190813T170723_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T170723_20190813T170723_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T170723_20190813T170723_20190813T184100_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_20190813T184151_20190813T184151_20190813T184151_20190813T184151_20190813T184151_20190813T184151_20190813T184151_20190813T184731_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_20190813T184618_20190813T202448_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records <td>CS_OFFL_SIR_GOPR_2_20190813T120522_20190813T121501_C001</td> <td></td> <td></td>	CS_OFFL_SIR_GOPR_2_20190813T120522_20190813T121501_C001		
CS_OFFL_SIR_GOPR_2_201908131152132_201908131152824_201908131152824_201908131152824_201908131152824_201908131152824_201908131152824_201908131153004_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_201908131170004_201908131170023_C001       Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) for one or more records       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography Height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_201908131170723_201908131170023_C001       Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_201908131184012_201908131184100_C001       Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_201908131184151_201908131184618_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_201908131184151_201908131184618_C001       Mean Sea Surface (1), Mean Dynamic Topography Height (solution 1) and the Mean Dynamic Topography Height (sol	CS_OFFL_SIR_GOPR_2_20190813T134231_20190813T135005_C001		
CS_OFFL_SIR_GOPR_2_20190813T132624_20190813T170723_C001         Topography (1)         Topography height (solution 1) for one or more records           CS_OFFL_SIR_GOPR_2_20190813T170004_20190813T170723_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_20190813T170723_20190813T170723_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_20190813T184012_20190813T18400_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_20190813T184012_20190813T184618_C001         Mean Sea Surface (1), Mean Dynamic Topography (1)         There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (i) for one or more records           CS_OFFL_SIR_GOPR_2_20190813T184618_20190813T184731_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_20190813T201941_20190813T202448_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_20190813T201941_20190813T202448_C001         Mean Sea Surface (1), Mean Dynami	CS_OFFL_SIR_GOPR_2_20190813T152153_20190813T152824_C001		
CS_OFFL_SIR_GOPR_2_201908131170024_201908131170723_0001Topography (1)Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20190813T170723_20190813T170923_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_20190813T184012_20190813T184100_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20190813T184151_20190813T184618_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_20190813T184618_20190813T184731_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) for one or more recordsCS_OFFL_SIR_GOPR_2_20190813T201941_20190813T202448_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_20190813T201941_20190813T202448_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean DynamicCS_OFFL_SIR_GOPR_2_20190813T2034182_0190813T202642_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean DynamicCS_OFFL_SIR_GOPR_2_20190813T213631_20190813T20448_C001Mean Sea Surface (1), Mean DynamicCS_OFFL_SIR_GOPR_2_20190813T213631_20190813T20448_C001Mean Sea Surface (1), Mean DynamicCS_OFFL_	CS_OFFL_SIR_GOPR_2_20190813T152824_20190813T153004_C001		
CS_OFFL_SIR_GOPR_2_201908131170125_201908131170125_201908131170125_201908131170125_201908131170125_2019081311784100_C001Topography (1)Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20190813T184012_20190813T184100_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) and the Mean DynamicCS_OFFL_SIR_GOPR_2_20190813T184151_20190813T184618_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_20190813T184618_20190813T184731_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_20190813T201941_20190813T202448_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_20190813T202448_20190813T202622_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_20190813T213631_20190813T202645_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20190813T215936_20190813T220545_C001Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)CS_OFFL_SIR_GOPR_2_20190813T215936_20190813T220545_C001Mean Sea Surface (1), Mean Dyna	CS_OFFL_SIR_GOPR_2_20190813T170004_20190813T170723_C001		
CS_OFFL_SIR_GOPR_2_20190813T184012_20190813T184618_C001Mean Equipating Topography (1)or more recordsCS_OFFL_SIR_GOPR_2_20190813T184618_20190813T184618_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_20190813T184618_20190813T184731_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_20190813T201941_20190813T202448_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_20190813T202448_20190813T202622_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_20190813T213631_20190813T202622_C001Mean Sea Surface (1), Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20190813T213631_20190813T214339_C001Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)CS_OFFL_SIR_GOPR_2_20190813T215936_20190813T220545_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_20190813T215936_20190813T220545_C001Mean Sea Surface (1)	CS_OFFL_SIR_GOPR_2_20190813T170723_20190813T170923_C001		
CS_OFFL_SIR_GOPR_2_20190813T184151_20190813T184731_C001Topography (1)Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20190813T184618_20190813T184731_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_20190813T201941_20190813T202448_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_20190813T202448_20190813T202622_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_20190813T213631_20190813T202622_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_20190813T213631_20190813T214339_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20190813T215936_20190813T220545_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20190813T234107_20190813T234520_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20190813T234107_20190813T234520_C001Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more recordsCS_OFFL_SIR_GOPR_2_20190813T234107_20190813T2	CS_OFFL_SIR_GOPR_2_20190813T184012_20190813T184100_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_GOPR_2_20190813T184618_20190813T184731_C001       Topography (1)       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T201941_20190813T202448_C001       Mean Sea Surface (1), Mean Dynamic Topography (1)       There is an error with the MSS height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T202448_20190813T202622_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_20190813T213631_20190813T214339_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_20190813T213631_20190813T214339_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_20190813T215936_20190813T220545_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_20190813T234107_20190813T234520_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T234107_20190813T234520_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_20190813T184151_20190813T184618_C001		
CS_OFFL_SIR_GOPR_2_201906131201941_201908131202622_C001       Topography (1)       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T202448_20190813T202622_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_20190813T213631_20190813T214339_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_20190813T215936_20190813T220545_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_20190813T215936_20190813T220545_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_20190813T234107_20190813T234520_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_20190813T184618_20190813T184731_C001		
CS_OFFL_SIR_GOPR_2_201908131202448_201908131202622_C001       Topography (1)       Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T213631_20190813T214339_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_20190813T215936_20190813T220545_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (n)       There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (n)         CS_OFFL_SIR_GOPR_2_20190813T215936_20190813T220545_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T234107_20190813T234520_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean	CS_OFFL_SIR_GOPR_2_20190813T201941_20190813T202448_C001		
CS_OFFL_SIR_GOPR_2_201908131213631_201908131214339_C001       Mean Dynamic Topography (1)       or more records         CS_OFFL_SIR_GOPR_2_20190813T215936_20190813T220545_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)         CS_OFFL_SIR_GOPR_2_20190813T215936_20190813T220545_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records         CS_OFFL_SIR_GOPR_2_20190813T234107_20190813T234520_C001       Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_GOPR_2_20190813T202448_20190813T202622_C001		
CS_OFFL_SIR_GOPR_2_2019001312139350_201900131220345_C001 Topography (1) Topography height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_GOPR_2_20190813T213631_20190813T214339_C001	Mean Dynamic Topography (1)	
	CS_OFFL_SIR_GOPR_2_20190813T215936_20190813T220545_C001		
	CS_OFFL_SIR_GOPR_2_20190813T234107_20190813T234520_C001		

# 5.5 L2 Measurement Confidence Data Check

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

Number of	products with errors:	2

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190813T101240_20190813T102208_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20190813T215324_20190813T215935_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

# 5.6 L2 Measurement Quality Flag Check

#### L2 Quality Flags (20Hz)

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190812T235346_20190813T001729_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_20190813T003008_20190813T003047_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_20190813T005023_20190813T010017_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_20190813T010554_20190813T011551_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_20190813T012314_20190813T012914_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_20190813T013228_20190813T015155_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_20190813T020558_20190813T021023_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_20190813T022210_20190813T025447_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_20190813T030223_20190813T030744_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_20190813T031132_20190813T031540_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_20190813T033144_20190813T033329_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_20190813T034546_20190813T034934_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_20190813T040112_20190813T041027_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_20190813T041312_20190813T043426_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_20190813T044231_20190813T044638_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_20190813T045200_20190813T050143_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_20190813T050331_20190813T050929_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_20190813T053808_20190813T061307_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_20190813T061625_20190813T062123_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_20190813T063223_20190813T070402_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_20190813T071624_20190813T073106_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_20190813T073547_20190813T073645_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_20190813T073648_20190813T075237_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_20190813T075511_20190813T080021_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_20190813T080028_20190813T080034_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_20190813T080058_20190813T080229_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_20190813T081015_20190813T082404_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_20190813T082617_20190813T084237_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_20190813T090549_20190813T091606_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_20190813T091746_20190813T093122_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_20190813T093432_20190813T093932_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_20190813T094808_20190813T094942_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_20190813T095153_20190813T100208_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_20190813T100434_20190813T100956_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_20190813T101240_20190813T102208_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_20190813T104228_20190813T104313_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_20190813T104845_20190813T110933_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_20190813T111507_20190813T111848_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_20190813T112612_20190813T115106_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_20190813T121502_20190813T121535_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_20190813T122519_20190813T124923_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_20190813T125249_20190813T125802_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_20190813T125809_20190813T130136_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_20190813T130528_20190813T131605_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_20190813T132144_20190813T133830_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_20190813T135113_20190813T135819_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_20190813T140047_20190813T141932_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.

Matter Regis del Baccado Casto         Internet Regis del Baccado Casto         Internet Regis del Baccado Casto           G. GPRL BR. GOPU 2: 2010011714620. 2010011714020. 2011         Costo Matter Regis (SM), SMO         The difference Regis (SM), SMO           G. GPRL BR. GOPU 2: 2010011714620. 2010011716001. 2011         Costo Matter Regis (SM), SMO         The difference Regis (SM), SMO           G. GPRL BR. GOPU 2: 2010011716001. 2010011716001. 2011         Costo Matter Regis (SM), SMO         The difference Regis (SM), SMO           G. GPRL BR. GOPU 2: 2010011716001. 2010011716001. 2011         COSTO Matter Regis (SM), SMO         The difference Regis (SM), SMO           G. GPRL BR. GOPU 2: 2010011716001. 2010011716001. 201001         COSTO Matter Regis (SM), SMO         The difference Regis (SM), SMO           G. GPRL BR. GOPU 2: 2010011716002. 2010011716002. 20100         Costo Afference Regis (SM), SMO         The difference Regis (SM), SMO           G. GPRL BR. GOPU 2: 2010011716002. 2010011716002. 2010         Costo Afference Regis (SM), SMO         The difference Regis (SM), SMO           G. GPRL BR. GOPU 2: 2010011716002. 2010011716002. 2011         Costo Afference Regis (SM), SMO         The difference Regis (SM), SMO           G. GPRL BR. GOPU 2: 2010011716002. 201001         Costo Afference Regis (SM), SMO         The difference Regis (SM), SMO           G. GPRL BR. GOPU 2: 2010011716002. 201001         Costo Afference Regis (SM), SMO         The difference Regis (SM), SMO           G. GPRL BR. GO	CS_OFFL_SIR_GOPM_2_20190813T142440_20190813T142848_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
Des Des UND ALL SUPPORT LA CONSTITUTATION C		Altimeter Range and Backscatter Quality	set for one or more records.
BL OFFL SPL COMM 2: 001931114447, 20100411115481, COM         and Backward Mark (Ages and Second Mark (Mark (Mar	CS_OFFL_SIR_GOPM_2_20190813T143249_20190813T143835_C001	0 5	
GL_PERT_RE_COPM_2_0016011116340_001       and the COOL Allebox Regres and Reckarder Dashly Flags have been allebox Regres and Reckarde	CS_OFFL_SIR_GOPM_2_20190813T144627_20190813T151812_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Column         Column<	CS_OFFL_SIR_GOPM_2_20190813T155340_20190813T160638_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
<ul> <li>CS, DAL, SR, GOM, 2, 2010813110442, 20108113110442, 2011811312042, 20108113110442, 20108113120442</li></ul>	CS_OFFL_SIR_GOPM_2_20190813T161217_20190813T161728_C001		
C8. OFTL, SIR, COPM, 2.20193913716422, 201920137126222, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013712622, 20192013722622, 20192013712622, 20192013712622, 2	CS_OFFL_SIR_GOPM_2_20190813T162432_20190813T164543_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_0PFL_SR_0PFL_20100813T1782_2010813T1782_20108         mid Badacabit Quilip, OCCB         mid Badacabit Quilip, OCCB           CB_0PFL_SR_0PFL_2010813T18408_2100813T18408_2010813T19411_C001         Coex Minner Rang, SSIA, SMI         The COCA Minner Rang, SSIA, SMI and Bacacabit Quilip, Fage Name Sand           CB_0PFL_SR_0PFL_2010813T18408_2010813T19112_C001         Coex Minner Rang, SSIA, SMI and Bacacabit Quilip, Fage Name Sand           CB_0PFL_SR_0PFL_2010813T18508_2010813T19112_C001         Coex Minner Rang, SSIA, SMI and Bacacabit Quilip, Fage Name Sand           CB_0PFL_SR_0PFL_2010813T18508_2010813T19122_C001         Coex Minner Rang, SSIA, SMI and Bacacabit Quilip, Fage Name Sand           CB_0PFL_SR_0PFL_2010813T118208_2010813T19122_C001         Coex Minner Rang, SSIA, SMI and Bacacabit Quilip, Fage Name Sand           CB_0PFL_SR_0PFL_2010813T118208_2010813T19202_C001         Coex Minner Rang, SSIA, SMI and Bacacabit Quilip, Fage Name Sand           CB_0PFL_SR_0PFL_2010813T118208_201081         Coex Minner Rang, SSIA, SMI and Bacacabit Quilip, Fage Name Sand           CB_0PFL_SR_0PFL_2010813T118208_20101         Coex Minner Rang, SSIA, SMI and Bacacabit Quilip, Fage Name Sand           CB_0PFL_SR_0PFL_2010813T118108_201001         Coex Minner Rang, SSIA, SMI and Bacacabit Quilip, Fage Name Sand           CB_0PFL_SR_0PFL_2010813T118108_201001         Coex Minner Rang, SSIA, SMI and Bacacabit Quilip, Fage Name Sand           CB_0PFL_SR_0PFL_2010813T118108_201001         Coex Minner Rang, SSIA, SMI and Bacacabit Quilip, Fage Name Sand           CB_0	CS_OFFL_SIR_GOPM_2_20190813T164828_20190813T170003_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C2_OFL_SR_GOPM_2_001908137184801_0019       md Backsetter Cuality, COG       met the OCG Alimeter Range and Backsetter Cuality Flags there been alimeter Range and Backsetter Cuality	CS_OFFL_SIR_GOPM_2_20190813T172821_20190813T174632_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CE. OFTL_SIR_GOPM_2_20190913T191520_20190913T19122_2001       and Backadet Quality, COCG       and Backadet Quality Flag have been after from and Backadet Quality Flag have been after one of more records.         CB_OFTL_SIR_GOPM_2_20190913T193538_20101       OCCGN Allmoter Range Quality, COCGN Allmoter Range and Backadet Quality Flag have been after one of more records.         CB_OFTL_SIR_GOPM_2_20190913T193508_20101       OCCGN Allmoter Range SSIA, SWH and Backadet Quality Flag have been after one of more records.         CB_OFFL_SIR_GOPM_2_20190913T193508_20101       OCCGN Allmoter Range SSIA, SWH and Backadet Quality Flag have been after one of more records.         CB_OFFL_SIR_GOPM_2_20190913T20008_201901913T20032_2001       OCCGN Allmoter Range SSIA, SWH and Backadet Quality Flag have been after one of more records.         CB_OFFL_SIR_GOPM_2_20190913T200302_01901913T20032_2001       OCCGN Allmoter Range SSIA, SWH and Backadet Quality Flag have been after one of more records.         CB_OFFL_SIR_GOPM_2_20190913T201902_01901913T20032_0011       OCCGN Allmoter Range SSIA, SWH and Backadet Quality Flag have been after one of more records.         CB_OFFL_SIR_GOPM_2_20190913T211501_20190013T211941_0001       OCCGN Allmoter Range SSIA, SWH and Backadet Quality Flag have been after one of more records.         CB_OFFL_SIR_GOPM_2_20190913T221501_0010013T221501_001       OCCGN Allmoter Range SSIA, SWH and Backadet Quality Flag have been after one of more records.         CB_OFFL_SIR_GOPM_2_20190913T221502_0190913T221520_0011       OCCGN Allmoter Range SSIA, SWH and Backadet Quality Flag have been after one of more records. <t< td=""><td>CS_OFFL_SIR_GOPM_2_20190813T180408_20190813T184011_C001</td><td>and Backscatter Quality, OCOG</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></t<>	CS_OFFL_SIR_GOPM_2_20190813T180408_20190813T184011_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Carper_and_conv_c_convec_con	CS_OFFL_SIR_GOPM_2_20190813T185150_20190813T191122_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20190813T108803_C001         and Backsatter Quality, COOG Attimuter Range SSM, SVM and Backsatter Quality Flags have been Attimuter Range and Backsatter Quality Flags have been attic con or more records.           CS_OFFL_SIR_GOPM_2_201908137215801_C001         Ocean Attimuter Range SSM, SVM and Backsatter Quality Flags have been attimuter Range and Backsatter Quality Flags have been attif activator or more records.           CS_OFFL_SIR_GOPM_2_20190813721581_C001         Ocean Attimuter Range, SSM, SVM and Backsatter Quality Flags have been attif activator or more records.           CS_OFFL_SIR_GOPM_2_20190813721582_20190813721582_201908137221582_201908137221582_201908137221582_201908137221582_201908137221582_201908137221582_201908137222682_0011         Ocean Attimuter Range, SSM, SVM and Backsatter Quality Flags have been Attimuter Range and Backsatter Quality Flags have been Attimuter Range and Backsatter Quality Flags have been Attimuter Range and Backsatter Quality Flags have been at the COOC Attimuter Range, SSM, SVM and Backsatter Quality Flags have been at the COOC Attimuter Range, SSM, SVM and Backsatter Quality Flags have been at the COOC Attimuter Range, SSM, SVM and Backsatter Quality Flags have been athimeter Range and Backsatter Quality, Flags have be	CS_OFFL_SIR_GOPM_2_20190813T193342_20190813T193538_C001		
CB_OFFL_SIR_GOPM_2_20190913T20006_0113T20032_C011       and the COGA Ruleet Fange and Backscatter Quality Flags have been after one or more records.         CB_OFFL_SIR_GOPM_2_20190913T203200_20190913T20445_C001       Cocan Alimeter Range and Backscatter Quality Flags have been after one or more records.         CB_OFFL_SIR_GOPM_2_20190913T203200_20190913T20445_C001       Cocan Alimeter Range Colanity, COCG Alimeter Range and Backscatter Quality Flags have been after one or more records.         CB_OFFL_SIR_GOPM_2_20190913T21235_20100813T21393_C001       COCCA Alimeter Range Colanity, COCG Alimeter Range and Backscatter Quality Flags have been after one or more records.         CB_OFFL_SIR_GOPM_2_20190913T212235_20190813T21393_C001       Cocan Alimeter Range Colanity, COCG Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been after one or more records.         CB_OFFL_SIR_GOPM_2_20190913T212235_20190813T21393_C001       Cocan Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been after one or more records.         CB_OFFL_SIR_GOPM_2_20190913T21203_20190813T22359_C001       Cocan Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been after backscatter Quality, COCG Alimeter Range, SSHA, SWH and Backscatter Quality Flags have been after backscatter Quality, Flags have been after backscatter Quality, Flags have been after backscatter Quality, COCG Alimeter Range, SSHA, SWH and Backscatter Quality, Flags have been after one or more records.         CB_OFFL_S	CS_OFFL_SIR_GOPM_2_20190813T194306_20190813T195803_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20190813T203200_20190813T204945_C001       and Backscatter Quality, COCG       and Backscatter Quality, COCG       and Backscatter Quality, COCG         CS_OFFL_SIR_GOPM_2_20190813T211510_20190813T211941_C001       OCCGA Altimeter Range Quality, COCG       The OCCGA Altimeter Range, SN4, SW1         CS_OFFL_SIR_GOPM_2_20190813T212355_C001       OCCGA Altimeter Range, SN4, SW1       The OCCGA Altimeter Range, SN4, SW1         CS_OFFL_SIR_GOPM_2_20190813T212355_C001       Ocean Altimeter Range, SN4, SW1       The OCCGA Altimeter Range, SN4, SW1         CS_OFFL_SIR_GOPM_2_20190813T221352_C001       Ocean Altimeter Range, SN4, SW1       The OCCGA Altimeter Range, SN4, SW1 and Backscatter Quality, Flags have been at the OCGA Altimeter Range, SN4, SW1 and Backscatter Quality, Flags have been Altimeter Range, SN4, SW1 and Backscatter Quality, Flags have been Altimeter Range and Backscatter Quality, Flags have been at the OCGA Altimeter Range and Backscatter Quality, Flags have been at the OCGA Altimeter Range and Backscatter Quality, Flags have been at the OCGA Altimeter Range and Backscatter Quality, Flags have been at the OCGA Altimeter Range and Backscatter Quality, Flags have been at the OCGA Altimeter Range and Backscatter Quality, Flags have been at the OCGA Altimeter Range and Backscatter Quality, Flags have been at the OCGA Altimeter Range and Backscatter Quality, Flags have been at for one or more records.	CS_OFFL_SIR_GOPM_2_20190813T200006_20190813T200932_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Dis_PFL_SIR_GOPM_2_20190813121191_2010         Backscatter Quality         for one or more records.           CS_OFFL_SIR_GOPM_2_201908137212235_201908137213831_C001         Cocan Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been and the CCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the CCGG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been and the CCGG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been and the CCGG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been and the CCGG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been and the CCGG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been and the CCGG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been and the CCGG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been at the OCGG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been at the OCGG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been at the OCGG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been at the OCGG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been at the OCGG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20190813T225012_20190813T226643_C001         OCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20190813T232009_20190813T232641_C001         OCGG Altimeter Range and Backscatter Quality Flags have been at for one or more records.           CS_OFFL_SIR_GOPM_2_20190813T230209_20190813T232641_C001         OCGG Altimeter Range and Backscatter Quality Flags have been at for one or more records.           CS_OFFL_SIR_GOPM_2_20190813	CS_OFFL_SIR_GOPM_2_20190813T203200_20190813T204845_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20190813T212235_20190813T213831_C001       and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been and the CCOA Altimeter Range and Backscatter Quality Flags have been and the CCOA Altimeter Range and Backscatter Quality Flags have been and the CCOA Altimeter Range and Backscatter Quality Flags have been and the CCOA Altimeter Range and Backscatter Quality Flags have been and the CCOA Altimeter Range and Backscatter Quality Flags have been and the CCOA Altimeter Range and Backscatter Quality Flags have been and the CCOA Altimeter Range and Backscatter Quality Flags have been and the CCOA Altimeter Range and Backscatter Quality Flags have been and the CCOA Altimeter Range and Backscatter Quality Flags have been and the CCOA Altimeter Range and Backscatter Quality Flags have been action or more records.         CS_OFFL_SIR_GOPM_2_20190813T22306_20190813T224625_C001       Ocean Altimeter Range SSHA, SWH and Backscatter Quality Flags have been action or more records.       The Ocean Altimeter Range and Backscatter Quality Flags have been action or more records.         CS_OFFL_SIR_GOPM_2_20190813T225012_20190813T225643_C001       Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       The OCean Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20190813T225012_20190813T225643_C001       Ocean Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       The OCean Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20190813T235020_20190813T23264	CS_OFFL_SIR_GOPM_2_20190813T211510_20190813T211941_C001	• •	
CS_OFFL_SIR_GOPM_2_20190813T221117_20190813T22139_C011       and Backscatter Quality, COCG       and the OCGG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20190813T225012_20190813T225043_C001       Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20190813T230209_20190813T232641_C001       Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20190813T034032_20190813T034100_C001       OCCGA Altimeter Range Quality, OCCG Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20190813T034032_20190813T034100_C001       OCCGA Altimeter Range Quality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20190813T0304032_20190813T030432_C001       OCCGA Altimeter Range Cuality, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. <td>CS_OFFL_SIR_GOPM_2_20190813T212235_20190813T213631_C001</td> <td>and Backscatter Quality, OCOG</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_GOPM_2_20190813T212235_20190813T213631_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20190813T221502_20190813T222051_C001       and Backscatter Quality, COGG       and the OCOG Allimeter Range and Backscatter Quality Flags have been Allimeter Range and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20190813T222362_20190813T224625_C001       Ocean Allimeter Range, SSHA, SWH and Backscatter Quality Flags have been Allimeter Range and Backscatter Quality Flags have been Allimeter Range and Backscatter Quality Flags have been alliver Range Quality, OCOG         CS_OFFL_SIR_GOPN_2_20190813T134030_20190813T134230_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been alliver Range and Backscatter Quality, OCOG       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been alliver Range and Backscatter Quality COOG         CS_	CS_OFFL_SIR_GOPM_2_20190813T221117_20190813T221339_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20190813T222336_20190813T224625_C001       and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20190813T225012_20190813T225843_C001       OCOG Altimeter Range Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20190813T230209_20190813T232641_C001       Ocean Altimeter Range, SSHA, SWH       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20190813T034032_20190813T034100_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_20190813T133830_20190813T134230_C001       OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T010017_20190813T010554_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T030904_20190813T031131_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T030904_20190813T031131_C001       Ocean	CS_OFFL_SIR_GOPM_2_20190813T221502_20190813T222051_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_201908131225012_201908131225843_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPM_2_20190813T230209_20190813T232641_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, SCOG Altimeter Range Quality, OCOG       The OCean Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20190813T034032_20190813T034100_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_20190813T13830_20190813T134230_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T010017_20190813T010554_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T030904_20190813T031131_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T093932_20190813T093938_C001       OCCOG Altimeter Range Quality, OCOG Altimeter Range Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OF	CS_OFFL_SIR_GOPM_2_20190813T222336_20190813T224625_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20190813T230209_20190813T232641_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPN_2_20190813T034032_20190813T034100_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_20190813T133830_20190813T134230_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_20190813T010017_20190813T010554_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, and Backscatter Quality Flags have been set for one or more records.       The Ocean Altimeter Range, SSHA, SWH and backscatter Quality, OCOG and the OCOG Altimeter Range, and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T030904_20190813T031131_C001       Ocean Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       The OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T0393932_20190813T039338_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG	CS_OFFL_SIR_GOPM_2_20190813T225012_20190813T225843_C001		
CS_OFFL_SIR_GOPN_2_201908131034032_201908131034100_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPN_2_20190813T133830_20190813T134230_C001       OCOG Altimeter Range Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T010017_20190813T010554_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T030904_20190813T031131_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T039904_20190813T039938_C001       Ocean Altimeter Range 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_20190813T093932_20190813T093938_C001       OCCG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T152824_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T152824_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_20190813T230209_20190813T232641_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20190813T133830_20190813T134230_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T010017_20190813T010554_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T030904_20190813T031131_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 and the OCOG Altimeter Range 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_20190813T093932_20190813T093938_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T152153_20190813T152824_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG       The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20190813T034032_20190813T034100_C001		
CS_OFFL_SIR_GOPR_2_20190813T010017_20190813T010554_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter QualityCS_OFFL_SIR_GOPR_2_20190813T030904_20190813T031131_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter QualityCS_OFFL_SIR_GOPR_2_20190813T093932_20190813T093938_C001OCOG Altimeter Range Quality, OCOG Backscatter QualityThe OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPR_2_20190813T093932_20190813T052824_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGThe OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_GOPR_2_20190813T152153_20190813T152824_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOGThe OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20190813T133830_20190813T134230_C001		
CS_OFFL_SIR_GOPR_2_20190813T030904_20190813T031131_C001       and Backscatter Quality, OCOG       and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T093932_20190813T093938_C001       OCOG Altimeter Range Quality, OCOG       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T093932_20190813T05232_0010       Ocoean Altimeter Range, SSHA, SWH       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T152153_20190813T152824_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPR_2_20190813T010017_20190813T010554_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20190813T1093932_20190813T1093938_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPR_2_20190813T152153_20190813T152824_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPR_2_20190813T030904_20190813T031131_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20190813T152153_20190813T152824_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPR_2_20190813T093932_20190813T093938_C001		
	CS_OFFL_SIR_GOPR_2_20190813T152153_20190813T152824_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPR_2_20190813T170004_20190813T170723_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_20190813T180147_20190813T180407_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_20190813T222052_20190813T222213_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

# L2 Quality Flags (20Hz PLRM)

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

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

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

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

CS_OFFL_SIR_GOPN_2_20190813T121535_20190813T121658_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_20190813T122329_20190813T122519_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_20190813T133830_20190813T134230_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_20190813T143124_20190813T143248_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_20190813T143836_20190813T143850_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_20190813T151813_20190813T151915_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_20190813T151924_20190813T152135_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_20190813T153221_20190813T153308_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_20190813T153843_20190813T153915_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_20190813T154759_20190813T154943_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_20190813T172646_20190813T172736_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_20190813T175630_20190813T180147_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_20190813T184101_20190813T184150_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_20190813T184732_20190813T185139_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_20190813T200933_20190813T201308_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_20190813T202926_20190813T203159_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_20190813T204846_20190813T205229_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_20190813T205258_20190813T205325_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_20190813T210608_20190813T211207_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_20190813T211942_20190813T212125_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_20190813T220546_20190813T220805_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_20190813T220842_20190813T221027_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_20190813T221340_20190813T221502_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_20190813T232641_20190813T233030_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_20190813T233502_20190813T233625_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_20190813T233928_20190813T233946_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_20190813T234521_20190813T235000_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

	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 201908131235608 201908131235808 CO01	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_20190813T003048_20190813T003124_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_20190813T011551_20190813T011913_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_20190813T013044_20190813T013228_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_20190813T025448_20190813T025903_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_20190813T030904_20190813T031131_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_20190813T043426_20190813T043756_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_20190813T044803_20190813T045200_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.
	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_20190813T070918_20190813T071501_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_20190813T080437_20190813T081015_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_UFFL_SIK_GUPK_Z_201906131062404_201906131062617_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_20190813T091607_20190813T091656_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_20190813T091656_20190813T091746_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_201908131103246_201908131103345_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_20190813T110934_20190813T111157_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_20190813T120522_20190813T121501_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_20190813T124923_20190813T125112_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_20190813T130302_20190813T130528_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_20190813T142848_20190813T143123_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_20190813T144151_20190813T144626_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_20190813T153334_20190813T153702_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_20190813T160639_20190813T161051_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_20190813T162031_20190813T162432_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_20190813T170004_20190813T170723_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.
	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_20190813T174632_201	190813T175108_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_20190813T180147_201	190813T180407_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Attimeter Range, SSHA, SWH 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_20190813T192438_201	190813T193107_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_20190813T194212_201	190813T194306_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_20190813T201941_201	190813T202448_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_20190813T210143_201	190813T210240_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_20190813T212126_201	190813T212235_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_20190813T213631_201	190813T214339_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_20190813T215936_201	190813T220545_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_20190813T233657_201	190813T233927_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
L2 Quality Flags (1 Hz & 1Hz PLRM)			
Currently, there are several common flags raise	ed in the Level 2 products whi	ich are summarised below	
<ul> <li>&gt; 1Hz and 1Hz Ocean SSHA Quality Flags: These</li> </ul>	•		
Number of products with errors:	188		
	100		
5.8 L2 Ocean Retracking Quality C	Check		
5.8 L2 Ocean Retracking Quality C L2 Retracking Flags (20Hz)	Check		
		ment record. The bit value of this flag indica	ates any problems when set.
L2 Retracking Flags (20Hz) CryoSat L2 data includes an ocean retracking qual	lity flag for each 20-Hz measure	-	ates any problems when set. number of products with this error flag set is given below.
L2 Retracking Flags (20Hz) CryoSat L2 data includes an ocean retracking qual	lity flag for each 20-Hz measure	-	
L2 Retracking Flags (20Hz) CryoSat L2 data includes an ocean retracking qual Ocean Retracking Quality Flag: This flag is curre	lity flag for each 20-Hz measurer	-	
L2 Retracking Flags (20Hz) CryoSat L2 data includes an ocean retracking qual Ocean Retracking Quality Flag: This flag is curre Number of products with errors:	lity flag for each 20-Hz measurer ently set for products over land a 62	nd sea ice, but this is to be expected. The i	number of products with this error flag set is given below.
L2 Retracking Flags (20Hz) CryoSat L2 data includes an ocean retracking qual Ocean Retracking Quality Flag: This flag is curre Number of products with errors: L2 Retracking Flags (20Hz, PLRM)	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM me	nd sea ice, but this is to be expected. The i	number of products with this error flag set is given below. g indicates any problems when set.
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is curre         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM me	nd sea ice, but this is to be expected. The i	number of products with this error flag set is given below. g indicates any problems when set.
L2 Retracking Flags (20Hz) CryoSat L2 data includes an ocean retracking qual Ocean Retracking Quality Flag: This flag is curren Number of products with errors: L2 Retracking Flags (20Hz, PLRM) CryoSat L2 data includes an ocean retracking qual Ocean Retracking Quality Flag (PLRM): This flag	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM m g is currently set for products GC 140	nd sea ice, but this is to be expected. The period of this flates and GOPN products over sea ice, but	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected.
L2 Retracking Flags (20Hz) CryoSat L2 data includes an ocean retracking qual Ocean Retracking Quality Flag: This flag is curre Number of products with errors: L2 Retracking Flags (20Hz, PLRM) CryoSat L2 data includes an ocean retracking qual Ocean Retracking Quality Flag (PLRM): This flag Number of products with errors:	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM m g is currently set for products GC 140	nd sea ice, but this is to be expected. The i	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected.
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is current         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM m g is currently set for products GC 140	nd sea ice, but this is to be expected. The period of this flates and GOPN products over sea ice, but	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected.
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is currenew         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag         Number of products with errors:	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM mo g is currently set for products GC 140 <b>6. GOP L2 I</b>	nd sea ice, but this is to be expected. The re easurement record. The bit value of this fla DPR and GOPN products over sea ice, but Pole-to-Pole Data Quality	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected.
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is curre         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Guality Flag (PLRM):         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag         Number of products with errors:         6.1 P2P Product Format Check	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM mo g is currently set for products GC 140 <b>6. GOP L2 I</b>	nd sea ice, but this is to be expected. The re easurement record. The bit value of this fla DPR and GOPN products over sea ice, but Pole-to-Pole Data Quality	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected.
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is currenew         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag         Number of products with errors:         6.1 P2P Product Format Check         Each product, retrieved and unpacked from the sci	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM me g is currently set for products GC 140 <b>6. GOP L2 I</b> ience server, is checked to ensu	nd sea ice, but this is to be expected. The re easurement record. The bit value of this fla DPR and GOPN products over sea ice, but Pole-to-Pole Data Quality	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected.
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is currenew         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Guality Flag (PLRM):         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag         Number of products with errors:         6.1 P2P Product Format Check         Each product, retrieved and unpacked from the sci         Number of products with errors:	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM me g is currently set for products GC 140 <b>6. GOP L2 I</b> ience server, is checked to ensu	nd sea ice, but this is to be expected. The re easurement record. The bit value of this fla DPR and GOPN products over sea ice, but Pole-to-Pole Data Quality	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected.
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is curre         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Guality Flag (PLRM):         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag         Number of products with errors:         6.1 P2P Product Format Check         Each product, retrieved and unpacked from the sci         Number of products with errors:         6.2 P2P Product Header Analysis         For all products, a series of pre-defined checks are	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM me g is currently set for products GC 140 <b>6. GOP L2 I</b> ience server, is checked to ensu 0 e performed on the MPH and SP	nd sea ice, but this is to be expected. The is easurement record. The bit value of this fla DPR and GOPN products over sea ice, but Pole-to-Pole Data Quality re it consists of both an XML header file (.P	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected. / Check
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is curre         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Guality Flag (PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag         Number of products with errors:         6.1 P2P Product Format Check         Each product, retrieved and unpacked from the sci         Number of products with errors:         6.2 P2P Product Header Analysis	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM mm g is currently set for products GC 140 <b>6. GOP L2 I</b> ience server, is checked to ensu 0	nd sea ice, but this is to be expected. The is easurement record. The bit value of this fla DPR and GOPN products over sea ice, but Pole-to-Pole Data Quality re it consists of both an XML header file (.P	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected. / Check 4DR) and a NetCDF product file (.nc).
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is curre         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Guality Flag (PLRM):         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag         Number of products with errors:         6.1 P2P Product Format Check         Each product, retrieved and unpacked from the sci         Number of products with errors:         6.2 P2P Product Header Analysis         For all products, a series of pre-defined checks are	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM me g is currently set for products GC 140 6. GOP L2 I ience server, is checked to ensu 0 e performed on the MPH and SP 0	nd sea ice, but this is to be expected. The is easurement record. The bit value of this fla DPR and GOPN products over sea ice, but Pole-to-Pole Data Quality re it consists of both an XML header file (.P	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected. / Check 4DR) and a NetCDF product file (.nc).
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is current         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Guality Flag (PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag         Number of products with errors:         6.1 P2P Product Format Check         Each product, retrieved and unpacked from the sci         Number of products with errors:         6.2 P2P Product Header Analysis         For all products, a series of pre-defined checks are         Number of products with errors:	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM mo g is currently set for products GC 140 6. GOP L2 I ience server, is checked to ensu 0 e performed on the MPH and SP 0 Check	nd sea ice, but this is to be expected. The is easurement record. The bit value of this fla DPR and GOPN products over sea ice, but Pole-to-Pole Data Quality re it consists of both an XML header file (.P	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected. / Check HDR) and a NetCDF product file (.nc). nd/or errors raised by the ground-segment processing chain.
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is currener         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Guality Flag (PLRM):         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag         Number of products with errors:         6.1 P2P Product Format Check         Each product, retrieved and unpacked from the sci         Number of products with errors:         6.2 P2P Product Header Analysis         For all products, a series of pre-defined checks are         Number of products with errors:         6.3 P2P Auxiliary Data File Usage         Each product is checked for missing Data Set Desc         Number of products with errors:	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM mo g is currently set for products GC 140 6. GOP L2 I ience server, is checked to ensu 0 e performed on the MPH and SP 0 Check coriptors with respect to a pre-det 0	nd sea ice, but this is to be expected. The is easurement record. The bit value of this fla DPR and GOPN products over sea ice, but Pole-to-Pole Data Quality re it consists of both an XML header file (.P	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected. / Check HDR) and a NetCDF product file (.nc). nd/or errors raised by the ground-segment processing chain.
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is currener         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Guality Flag (PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag         Number of products with errors:         6.1 P2P Product Format Check         Each product, retrieved and unpacked from the sci         Number of products with errors:         6.2 P2P Product Header Analysis         For all products, a series of pre-defined checks are         Number of products with errors:         6.3 P2P Auxiliary Data File Usage         Each product is checked for missing Data Set Descent	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM mo g is currently set for products GC 140 6. GOP L2 I ience server, is checked to ensu 0 e performed on the MPH and SP 0 Check coriptors with respect to a pre-det 0	nd sea ice, but this is to be expected. The is easurement record. The bit value of this fla DPR and GOPN products over sea ice, but Pole-to-Pole Data Quality re it consists of both an XML header file (.P	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected. / Check HDR) and a NetCDF product file (.nc). nd/or errors raised by the ground-segment processing chain.
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is curre         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Guality Flag (PLRM):         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag         Number of products with errors:         6.1 P2P Product Format Check         Each product, retrieved and unpacked from the sci         Number of products with errors:         6.2 P2P Product Header Analysis         For all products, a series of pre-defined checks are         Number of products with errors:         6.3 P2P Auxiliary Data File Usage         Each product is checked for missing Data Set Deser         Number of products with errors:         6.4 P2P Auxiliary Correction Error         For all products, the auxiliary corrections within the	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM me g is currently set for products GC 140 <b>6. GOP L2 I</b> ience server, is checked to ensu 0 e performed on the MPH and SP 0 <b>Check</b> criptors with respect to a pre-det 0 <b>r Check</b> e Geophysical Group are checked	nd sea ice, but this is to be expected. The is easurement record. The bit value of this fla DPR and GOPN products over sea ice, but Pole-to-Pole Data Quality re it consists of both an XML header file (.F H in order to identify any inconsistencies a termined baseline and also to check the va	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected. / Check IDR) and a NetCDF product file (.nc). IdV errors raised by the ground-segment processing chain. Idity of Auxiliary Data Files is correct.
L2 Retracking Flags (20Hz)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag: This flag is currer         Number of products with errors:         L2 Retracking Flags (20Hz, PLRM)         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Guality Flag (PLRM):         CryoSat L2 data includes an ocean retracking qual         Ocean Retracking Quality Flag (PLRM): This flag         Number of products with errors:         6.1 P2P Product Format Check         Each product, retrieved and unpacked from the sci         Number of products with errors:         6.2 P2P Product Header Analysis         For all products, a series of pre-defined checks are         Number of products with errors:         6.3 P2P Auxiliary Data File Usage         Each product is checked for missing Data Set Desc         Number of products with errors:         6.4 P2P Auxiliary Correction Error         For all products, the auxiliary corrections within the	lity flag for each 20-Hz measurer ently set for products over land a 62 lity flag for each 20-Hz PLRM mm g is currently set for products GC 140 6. GOP L2 I ience server, is checked to ensu 0 e performed on the MPH and SP 0 Check corriptors with respect to a pre-det 0 r Check e Geophysical Group are checke prection errors raised in the Lo	nd sea ice, but this is to be expected. The is easurement record. The bit value of this fla DPR and GOPN products over sea ice, but Pole-to-Pole Data Quality re it consists of both an XML header file (.H H in order to identify any inconsistencies a termined baseline and also to check the va d for the default error value (32767). evel 2 products which are expected due	number of products with this error flag set is given below. g indicates any problems when set. this is to be expected. / Check IDR) and a NetCDF product file (.nc).

> 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.

Product	Test Failed	Description	
CS_OFFL_SIR_GOP_220190812T234428_20190813T003408_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_GOP_220190813T003408_20190813T012342_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_220190813T012342_20190813T021321_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_20190813T021321_20190813T030256_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_20190813T030256_20190813T035235_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_20190813T035235_20190813T044209_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_20190813T044209_20190813T053149_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_20190813T053149_20190813T062123_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_220190813T062123_20190813T071102_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_20190813T071102_20190813T080036_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_220190813T080036_20190813T085016_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_20190813T085016_20190813T093950_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_220190813T093950_20190813T102929_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20190813T102929_20190813T111903_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_220190813T111903_20190813T120843_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_20190813T120843_20190813T125817_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_220190813T125817_20190813T134756_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_20190813T134756_20190813T143731_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_220190813T143731_20190813T152710_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_220190813T152710_20190813T161644_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_220190813T161644_20190813T170624_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_220190813T170624_20190813T175558_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_220190813T175558_20190813T184537_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_220190813T184537_20190813T193511_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_220190813T193511_20190813T202451_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_220190813T202451_20190813T211425_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_220190813T211425_20190813T220404_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_20190813T220404_20190813T225338_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_220190813T225338_20190813T234318_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_220190813T234318_20190814T003252_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

# 6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

# 6.6 P2P Measurement Quality Flag Check

# P2P Quality Flags (20Hz)

CryoSat P2P data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

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P2P Quality Flags (20Hz PLRM)	
Since the P2P Quality Flags are copied d	lirectly 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	LRM)
Since the P2P Quality Flags are copied d	irectly 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 Qu	ality Check
P2P Retracking Flags (20Hz)	
Cryosat P2P data includes an ocean retrack	king 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): T	This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.
Ocean Retracking Quality Flag (PLRM): T Number of products with errors:	This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.
Number of products with errors: P2P Retracking Flags PLRM	
Number of products with errors: P2P Retracking Flags PLRM CryoSat L2 data includes an ocean retracking	27