

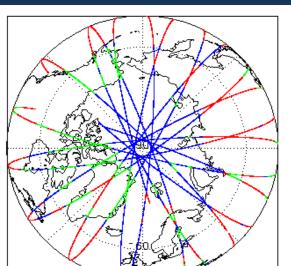
## **QA4EO Daily Report for GOP data:**

<u>23/02/2021</u>

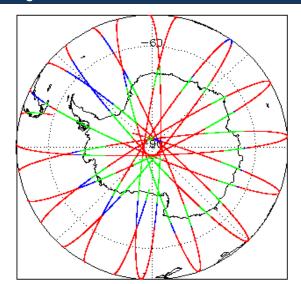
	25 Mar 2021	Check	L1 & L2	P2P
Report Production:	25-Mar-2021	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	Crave Cet Ocean Dresses	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Usea:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
Data Useu.	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1 and 7

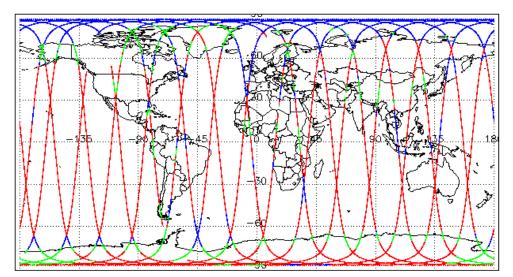
1. Overview

	Mission / Instrument News		
ſ	22-Feb-2021	None	
	23-Feb-2021	None	
	24-Feb-2021	Nothing planned	













## 3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

0

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

## 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:

4.2 L1B Product Header Analysis					
For all products, a series of pre-defined checks are performed on the MPH and SP	H in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.			
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B GC	OPR and GOPN products because the I1b	processing_quality_hr field is not correctly configured in the OSAR and			
OSARIn chains. A modification is required in the next release.					
Number of products with errors: 0					
4.3 L1B Auxilary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with respect to a pre-det	termined baseline and also to check the va	alidity of Auxiliary Data Files is correct.			
Number of products with errors: 0					
4.4 L1B Auxiliary Correction Error Check					
	a bita da contra da contra di ante a conserva de la				
CryoSat L1B data includes a correction error flag for each measurement record. The Number of products with errors: 0	ne bit value of this flag indicates any proble	ems when set.			
4.5 L1B Measurement Confidence Data Check					
CryoSat L1B data includes a measurement confidence flag for each measurement	record. The bit value of this flag indicates	any problems when set.			
Attitude Correction Missing: This flag is currently set in error for GOPR products	due to a configuration issue. This is being	investigated and will be updated in the next SW update.			
Number of products with errors: 0					
4.6 L1B Waveform Group Data Check					
CryoSat L1B data includes a waveform data flag for each measurement record. Th	e bit value of this flag indicates any proble	ms when set.			
Loss of Echo Flag: This flag is currently set for some products over land, but this					
Number of products with errors: 8					
Product	Test Failed	Description			
CS_0FFL_SIR_GOPN1B_20210223T045749_20210223T050004_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_0FFL_SIR_GOPN1B_20210223T145912_20210223T150312_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_0FFL_SIR_GOPN1B_20210223T181727_20210223T181945_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_0FFL_SIR_GOPN1B_20210223T182029_20210223T182209_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_0FFL_SIR_GOPN1B_20210223T230729_20210223T230813_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20210223T115150_20210223T115509_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20210223T132330_20210223T133054_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_GOPR1B_20210223T160946_20210223T161149_C001	Loss of Echo	The tracking echo is missing for one or more records			
5. GOP	Level 2 Data Quality Ch	eck			
5.1 L2 Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to ensu	re it consists of both an XML header file (.	HDR) and a binary product file (.DBL).			
Number of products with errors: 0					
5.2.1.2. Droduct Header Analysia					
5.2 L2 Product Header Analysis					
For all products, a series of pre-defined checks are performed on the MPH and SP	H in order to identify any inconsistencies a	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-del	termined baseline and also to check the va	alidity of Auxiliary Data Files is correct.			
Number of products with errors: 0					
5.4.1.2. Auxiliant Connection Enner Check					
5.4 L2 Auxiliary Correction Error Check					
For all products, the auxiliary corrections within the Geophysical Group are checke	d for the default error value (32767).				
Currently, there are some common auxiliary correction errors raised in the Lifollowed by a table highlighting any additional issues which may arise from t		e to surface type. All common flags are summarised in the list below,			
> 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 ve not reported in the table below.	ector. This is a known anomaly (CRYO-CC	P-3) and will be resolved in a future IPF update. The affected products are			
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for pro-	ducts over sea ice, but this is to be expect	ed.			
> Altimetric Wind Speed Error: The error value is currently set for products over	land and sea ice, but this is to be expected	d.			
Number of products with errors: 54					
Product	Test Failed	Description			
CS_OFFL_SIR_GOPM_2_20210223T082626_20210223T082708_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_20210223T194808_20210223T194841_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_20210223T000921_20210223T001244_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records			

Mean Sea Surface (1), Mean Dynamic Topography (1)

CS\_OFFL\_SIR\_GOPN\_2\_20210223T004929\_20210223T005250\_C001

There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_GOPN_2_20210223T013902_20210223T014147_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_20210223T023642_20210223T023813_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_20210223T031947_20210223T032049_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_20210223T041405_20210223T041610_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_20210223T045749_20210223T050004_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_20210223T054419_20210223T054606_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_20210223T060110_20210223T060357_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_20210223T063417_20210223T063835_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_20210223T073025_20210223T073032_C001	GPD Wet Tropospheric Correction	There is an error with the GPD Wet Tropospheric correction for one or more records
CS_OFFL_SIR_GOPN_2_20210223T073342_20210223T073548_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_20210223T094957_20210223T095403_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_20210223T105217_20210223T105331_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_20210223T122230_20210223T122356_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_20210223T122909_20210223T123211_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_20210223T140243_20210223T140546_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_20210223T140811_20210223T141327_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_20210223T145912_20210223T150312_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_20210223T154249_20210223T154523_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_20210223T163801_20210223T163916_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_20210223T164112_20210223T164350_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_20210223T171749_20210223T172353_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_20210223T181727_20210223T181945_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_20210223T190008_20210223T190154_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_20210223T195658_20210223T200140_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_20210223T204828_20210223T205115_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_20210223T221933_20210223T222322_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_20210223T225844_20210223T230009_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_20210223T231001_20210223T231049_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_20210223T235913_20210224T000228_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_20210223T000055_20210223T000920_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_20210223T014148_20210223T014931_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_20210223T032049_20210223T032633_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_20210223T050004_20210223T050010_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_20210223T050010_20210223T050647_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the GPD Wet Tropospheric correction, the MSS height (solution 1) and tidal corrections for one or more records
CS_OFFL_SIR_GOPR_2_20210223T063358_20210223T063411_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_20210223T063835_20210223T064356_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_20210223T081659_20210223T082626_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_20210223T095404_20210223T100139_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_20210223T113316_20210223T114002_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_20210223T114002_20210223T114310_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_20210223T131213_20210223T131903_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_20210223T131903_20210223T132108_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_20210223T145144_20210223T145259_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	#N/A
CS_OFFL_SIR_GOPR_2_20210223T145327_20210223T145759_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_20210223T145759_20210223T145911_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_20210223T163130_20210223T163634_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_20210223T163634_20210223T163801_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_20210223T181121_20210223T181726_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_20210223T195248_20210223T195658_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_20210223T212710_20210223T213740_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_20210223T230009_20210223T230041_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography (solution 1) for one or more records

#### 5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:
0

## 5.6 L2 Measurement Quality Flag Check

#### L2 Quality Flags (20Hz)

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

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

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

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

90

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20210223T001327_20210223T002155_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_20210223T002440_20210223T004732_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.
	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

Dispettigenerging         Over Althouse (rosp, Sight,	DL_OPTL_SRL_DOTA_2_20110223101584_20110221102184_20011       evel Beckendler Guly ODDS       better Loop of the constraints frage and Beckendler Guly Tings have have and the constraints frage and Beckendler Guly Tings have have and the constraints frage and Beckendler Guly Tings have have and the constraints frage and Beckendler Guly Tings have have and the constraints frage and Beckendler Guly Tings have have and the constraints.         C0_011L_SRL_GOVA_2_201102211022102089_2011       CODO Alteret Resp. SBL (SWL and Exact County Final Part And Final Pa	CS_OFFL_SIR_GOPM_2_20210223T005935_20210223T011317_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.
BL_PRFBR_COPM_2_2010227102210_0010_0110227102200_0001       eth BEAccentr Dully, COD       eth COD Alternot Range and Buckentr Dully Regn Nach Income Tange Come	D2 0FL SR 00FL 2 201023710164 2011223702252 2001       av8 Baskattr Dudy, DCCO       pro DCCO Allenser Range and Baskatter Dudy Reas Note Set Mathematic Range (Dudy, DCC)         D2 0FL SR 00FL 2 201023710281, 2011223702861 (DOC)       DCCO Allenser Range and Baskatter Dudy Reas Note Set Mathematic Range (Dudy, DCC)       The OCCO Allenser Range and Baskatter Dudy Regis Note Note Allense Range (Dudy, DCC)         D2 0FL SR 00FL 2 201023710281 7, 201223702861 (DOC)       DCCO Allenser Range (Dudy, DCC)       The OCCO Allenser Range (Dudy, DCC)         D3 0FL SR 00FL 2 201022710281 7, 201223702181 (DOC)       DCCO Allenser Range, SBN, SMN or DCC Allenser Range (Dudy, DCC)       The OCCA Allenser Range (Dudy, DCC)         D3 0FL SR 00FL 2 201022710281 7, 20122370181 (DOC)       DCCO Allenser Range, SBN, SMN or DCC Allenser Range (Dudy, DCC)       The OCCA Allenser Range (Dudy, DCC)         D3 0FL SR 00FL 2 201022710281 7, 201222370181 (DOC)       DCCO Allenser Range, SBN, SMN or DCC, Allenser Range (Dudy, DCC)       The OCCA Allenser Range (Dudy, DCC)         D4 0FL SR 00FL 2 201022710281 7, 201222370181 (DOC)       DCCO Allenser Range, SBN, SMN or DCC, Allenser Range (Dudy, RC)       The OCCA Allenser Range (Dudy, RC)         D5 0FL SR 00FL 2 201022710381 (DOC)       DCCO Allenser Range (Dudy, RC)       The OCCA Allenser Range (Dudy, RC)       The OCCA Allenser Range (Dudy, RC)         D5 0FL SR 00FL 2 201022710417 (DOC)       DCCO Allenser Range (Dudy, RC)       The OCCA Allenser Range (Dudy, RC)       The OCCA Allenser Range (Dudy, RC)         D5 0FL SR 00FL 2 201022710417 (	CS_OFFL_SIR_GOPM_2_20210223T011504_20210223T011946_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Ling DPPL, SPR, DOPM, 2, 329 (2023) 129 (20	Market County         Descent County         Descent County         Descent County         Descent County           C1, CP1, SR, DOW, 2, D210221122011, 201022 (02100)         C000 Althread, Rays County, C00         The COOR Althread, Rays County, C00         The COOR Althread, Rays County, C00           C2, CP1, SR, DOW, 2, 2010221122011, 201022 (0210)         C000 Althread, Rays County, C00         The COOR Althread, Rays County, C00         The COOR Althread, Rays County, C00           C3, CP1, SR, GOW, 2, 2010221122011, 201022 (0210)         C000 Althread, Rays County, C00         The COOR Althread, Rays County, C00         The COOR Althread, Rays County, C00           C3, CP1, SR, GOW, 2, 20102211221122011, 20102 (0210)         C000 Althread, Rays County, C00         The COOR Althread, Rays County, C00         The COOR Althread, Rays County, C00           C3, CP1, SR, GOW, 2, 2011222112101, 201022112010, 2010221100401, C001         CC00 Althread, Rays CB1, C000         The COOR Althread, Rays CB1,	CS_OFFL_SIR_GOPM_2_20210223T015154_20210223T022552_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Call, Diright Quark Control Construction Constr	Classifier Configuration         Configuration         Configuration         Configuration           C1, DFTL_SRL_DOPM_2_3021422211223311_3221022113         Science Through SDMA, SUMM         The Council Advance Theory Database         The Council Advance Theory Database           C1, DFTL_SRL_DOPM_2_302142231223311_2021022113         Science Through SDMA, SUMM         The Council Advance Theory Database         The Council Advance Theory DBMA, SUMM and Theoris DBMA, SUMM and Theori	CS_OFFL_SIR_GOPM_2_20210223T022800_20210223T023257_C001		
C5. 0FTL_SR_COPM_2.20210223T023109.102017023T031491_020102     mid Backageline Quality, OCOG Allinetine Reging and Backageline County, Page and Dackageline County, Page and Backageline County,	DE_OFT_URL_BR_ODML_2_30102231023816_202102231104101_0001     weith the ODD Attimuter Reage and Deckascher Quelty Flags have been Attement Reage and Deckascher Quelty Flags have been and Backwardte Quelty.       CB_OFT_URL_DR_ODML_2_3010223102418_201102231101478_QUEID2231031479_QUEID23103478_QUEID2310428_QUEID23104470_QUEID23104470QUEID30007_QUEID2310447_QUEID2310447_QUEID2310447_QUEID2	CS_OFFL_SIR_GOPM_2_20210223T023317_20210223T023641_C001		
CS_OFFL_SR_GOPU 2_0201022T02458_0201022T031521_001     Ind Baskaster Quality, OCOG Marteria Range and Baskaster Quality, COG Marteria Range and Baskaster Quality, COG Range and Range and Baskaster Quality, COG Range and Baskaster Quality, COG Range and Baskaster Quality, COG Range and Range and Baskaster Quality, Cog Range and Range and Baskaster Quality, Cog Range and Range and Range and Range and Range and Range Range and Range and Range and Range and Range and Range Range and Range and Range and Range and Range and Range Range and Range and Range Range and Range and Ran	C3. 0FTL_SRF_GOPM_2.2021023T06153_2021023T061531_C001     Init Disakcater Duality, COC0 Amander Range and Backater Duality, COC0 Amander Range and Backater Duality, COC0 Amander Range Colory, SRF_GOPM_2.2021023T062316_2021023T061237_C001     COC0 Amander Range Duality, COC0 Amander Range Colory, COC0 Amander Range Colory, COC0 Amander Range Colory, SRF_GOPM_2.2021023T062316_2021023T064127_C001     COC0 Amander Range Duality, COC0 Amander Range Colory, COC0 Amander Range Colory, COC0 Amander Range Colory, COC0 Amander Range Colory, 2.00210225T062316_20210225T062316_20210225T062316_20210225T062316_20210225T062316_20210_202100225T064122_20210225T064122_20210225T064122_20210225T064122_20210222T064012_	CS_OFFL_SIR_GOPM_2_20210223T023901_20210223T024109_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Call_Dark_Ship         Call Control         Ear one or more records.           CB_OFFL_Ship         Control         Control         Control         Ear one or more records.           CB_OFFL_Ship         Control         Control         Ear one or more records.         Ear one or more records.           CB_OFFL_Ship         Control         Control         Ear one or more records.         Ear one or more records.           CB_OFFL_Ship         Control         Control         Control         Ear one or more records.           CB_OFFL_Ship         Control         Control         Control         Ear one or more records.           CB_OFFL_Ship         Control         Control         Control         Ear one or more records.           CB_OFFL_Ship         Control         Control         Control         Ear one or more records.           CB_OFFL_Ship         Control         Control         Ear one or more records.         Ear one or more records.           CB_OFFL_Ship         Control         Control         Ear one or more records.         Ear one or more records.           CB_OFFL_Ship         Control         Ear one or more records.         Ear one or more records.         Ear one or more records.           CB_OFFL_Ship         Control         Ear one or more records.         Ear one or more records. <td< td=""><td>Displant       Backsteller Queity       Ever die ein mone reside.         CBL, DHFL_SHFL_GOMM_2_202102231022614_202102231022304_20010       DCCOG Altereour Reage Quality, OCCO         CBL_DHFL_SHFL_GOMM_2_202102231022616_200102231022310_2012_00001       DCCOG Altereour Reage Quality, OCCO         CBL_DHFL_SHFL_GOMM_2_202102231022616_200102231024027_D0011       DCCOG Altereour Reage Quality, OCCO         CBL_DHFL_SHFL_GOMM_2_202102231024172_20010       DCCOG Altereour Reage, SSH4, SWH and Exelocation Cuality Plags have been and backsteller Quality, Plags have been and backsteller</td><td>CS_OFFL_SIR_GOPM_2_20210223T024358_20210223T031521_C001</td><td>and Backscatter Quality, OCOG</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></td<>	Displant       Backsteller Queity       Ever die ein mone reside.         CBL, DHFL_SHFL_GOMM_2_202102231022614_202102231022304_20010       DCCOG Altereour Reage Quality, OCCO         CBL_DHFL_SHFL_GOMM_2_202102231022616_200102231022310_2012_00001       DCCOG Altereour Reage Quality, OCCO         CBL_DHFL_SHFL_GOMM_2_202102231022616_200102231024027_D0011       DCCOG Altereour Reage Quality, OCCO         CBL_DHFL_SHFL_GOMM_2_202102231024172_20010       DCCOG Altereour Reage, SSH4, SWH and Exelocation Cuality Plags have been and backsteller Quality, Plags have been and backsteller	CS_OFFL_SIR_GOPM_2_20210223T024358_20210223T031521_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_0FTL_SR_0OPM_2_2021023103361_02021023103428_2001         Backsonter Cuelly         Process memory coords.           CS_0FTL_SR_0OPM_2_2021023103361_02021023103427_C001         Odeen Altimeter Range and Backsonter Cuelly Flags have been Altimeter Range and Backsonter Cuelly Flags have been Altimeter Range and Backsonter Cuelly Flags have been at the one or more records.           CS_0FTL_SIR_0OPM_2_202102231034612_00210223104697_C001         Altimeter Range and Backsonter Cuelly Flags have been at the one or more records.           CS_0FTL_SIR_0OPM_2_202102231034612_00210223104697_C001         Altimeter Range and Backsonter Cuelly Flags have been at the one or more records.           CS_0FFL_SIR_0OPM_2_20210223104697_C001         Altimeter Range and Backsonter Cuelly Flags have been at the descenter Cuelly Flags	US. DFL_SR_QCML_2_Q21022103401_Q21022103427_C001 Backscatter Quaity Coord Antimister Range and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Coord Antimister Range and Backscatter Quaity Page and Backscatter Quaity Page and Backscatter Quaity Page and Backscatter Quaity Page Interviewer and Backscatter Quaity Page	CS_OFFL_SIR_GOPM_2_20210223T031738_20210223T031947_C001		
CE_OFFL_SIR_GOPM_2_30210223T034516_2021023T03427_0001       and Badscatter Quality, OCOG Animeter Range and Backscatter Quality Flags have been Animeter Range and Backscatter Quality Flags have been and Backscatter Quality Flags have been set for one or none records.         CS_OFFL_SIR_GOPM_2_30210223T044512_021023T044512_021023T044512_021023T044512_021023T044512_0210223T044512_02_0210223T044512_0210223T044512_0210223T044502_0011       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or none records.         CS_OFFL_SIR_GOPM_2_20210223T044512_0210223T044502_0011       OCOG Altimeter Range Quality, OCOG Backscatter Quality, COG Backscatter Quality, COG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or none records.         CS_OFFL_SIR_GOPM_2_20210223T044522_0210223T044505_0001       OCOG Altimeter Range Quality, OCOG Altimeter Range SHA, SWH and Backscatter Quality Flags have been set for one or none records.         CS_OFFL_SIR_GOPM_2_20210223T045162_0210223T045462_0210223T045469_0001       OCOG Altimeter Range Quality, OCOG Altimeter Range SHA, SWH and Backscatter Quality Range have been set for one or none records.	CB, OFFL_SIR_GOPM_2_2021023T03516_20210223T03429_C001     and Basesatter Quality Cool     and the OCOS Altmeter Range and Backscatter Quality Flags have been at Backscatter Quality Flags have been Altmeter Range and Backscatter Quality Flags have been at a core or more records.       C8_0FFL_SIR_GOPM_2_20210223T041292_20210223T041292_20210223T041292_20210223T041292_20210223T041292_20210223T041292_20210223T041292_20210223T041292_20210223T041292_20210223T04	CS_OFFL_SIR_GOPM_2_20210223T032804_20210223T032833_C001		
CS_OFFL_SIR_GOPM_2_20210223T04412_0221023T04400_0001 and backscatter Quality Flags have been add finater Range and Backscatter Quality Flags have been add for one or more records. CS_OFFL_SIR_GOPM_2_20210223T04613_02210223T04106_0001 CG_OFFL_SIR_GOPM_2_20210223T04604_3_02210223T04106_0001 CG_OFFL_SIR_GOPM_2_20210223T04604_3_02210223T04106_0001 CG_OFFL_SIR_GOPM_2_20210223T041202_0001 CG_OFFL_SIR_GOPM_2_20210223T041202_0001 CG_OFFL_SIR_GOPM_2_20210223T041202_0001 CG_OFFL_SIR_GOPM_2_20210223T041202_0001 CG_OFFL_SIR_GOPM_2_20210223T041202_0001 CG_OCGA Illimeter Range Quality.OCGG The OCGA Allimeter Range and Backscatter Quality Flags have been add for one or more records. CG_OFFL_SIR_GOPM_2_20210223T041202_0001 CGCGA Illimeter Range Quality.OCGG The OCGA Allimeter Range and Backscatter Quality Flags have been add for one or more records. CG_OFFL_SIR_GOPM_2_20210223T041202_0001 CGCGA Illimeter Range Quality.OCGG The OCGA Allimeter Range and Backscatter Quality Flags have been add for one or more records. CG_OFFL_SIR_GOPM_2_20210223T041202_0011223T041202_C001 CGCGA Illimeter Range Quality.OCGG The OCGA Allimeter Range and Backscatter Quality Flags have been add for one or more records. CG_OFFL_SIR_GOPM_2_20210223T041202_0010223T041405_C001 CG_OFFL_SIR_GOPM_2_20210223T041202_0010223T041405_C001 CG_OFFL_SIR_GOPM_2_20210223T041202_0010223T041405_C001 CG_OFFL_SIR_GOPM_2_20210223T041202_0010223T041405_C001 CG_OFFL_SIR_GOPM_2_20210223T041202_0010223T041915_C001 CG_OFFL_SIR_GOPM_2_20210223T041915_C001 CG_OFFL_SIR_GOPM_2_20210223T041915_C001 CG_OFFL_SIR_GOPM_2_20210223T041915_C001 CG_OFFL_SIR_GOPM_2_20210223T041915_C001 CG_OFFL_SIR_GOPM_2_20210223T041915_C001 CG_OFFL_SIR_GOPM_2_20210223T041915_C001 CG_OFFL_SIR_GOPM_2_20210223T041915_C001 CG_OFFL_SIR_GOPM_2_20210223T041915_C001 CG_OFFL_SIR_GOPM_2_20210223T041915_C001 CG_OFFL_SIR_GOPM_2_20210223T051915_00210223T05190_C001 CG_OFFL_SIR_GOPM_2_20210223T051915_00210223T05190_C001 CG_OFFL_SIR_GOPM_2_20210223T051915_00210 CG_OFFL_SIR_GOPM_2_20210223T051915_00210 CG_OFFL_SIR_GOPM_2_2	CS_DFFL_SIR_GOPM_2_2021023T034718_20210223T03497_001         and Backscatter Quality, COOG Attimuter Range alkackatter Quality         and the COOC Attimuter Range, SSH, SWH and backscatter Quality Flags have been after core or more records.           CS_OFFL_SIR_GOPM_2_20210223T034912_20210223T040594_CO01         Ocean Attimuter Range Davilly, COOG Attimuter Range and Backscatter Quality         The Ocean Attimuter Range SSH, SWH and Backscatter Quality Flags have been after one or more records.           CS_OFFL_SIR_GOPM_2_20210223T041202_2010223T041202_CO01         COCG Attimuter Range Davilly, COCG Attimuter Range Davilly, COCG         The OCCG Attimuter Range and Backscatter Quality Flags have been set for one rrore records.           CS_OFFL_SIR_GOPM_2_20210223T041202_C011223T041202_C011         COCG Attimuter Range Davilly, COCG Backscatter Quality         The OCCG Attimuter Range and Backscatter Quality Flags have been set for one rrore records.           CS_OFFL_SIR_GOPM_2_20210223T041202_2010223T041202_C001         COCG Attimuter Range Quality, COCG Backscatter Quality         The OCCG Attimuter Range and Backscatter Quality Flags have been set for one rrore records.           CS_OFFL_SIR_GOPM_2_20210223T041232_20210223T041232_20210223T04129_C001         COCG Attimuter Range SSH, SWH and Backscatter Quality, COCG Attimuter Range and Backscatter Quality Flags have been set for one rrore records.           CS_OFFL_SIR_GOPM_2_20210223T04195_C011         Cocean Attimuter Range, SSH, SWH and Backscatter Quality Flags have been Attimuter Range and Backscatter Quality Flags have been set for one rrore records.           CS_OFFL_SIR_GOPM_2_20210223T04195_C012         Cocean Attimuter Range, SS	CS_OFFL_SIR_GOPM_2_20210223T033516_20210223T034237_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210223T044912_20210223T04694_C001     and Backscatter Quality COCG     and the dackscatter Quality CoCG     and the dackscatter Quality Flags have been set for one or more records.       CS_OFFL_SIR_GOPM_2_20210223T040643_20210223T041156_C001     COCG Altimeter Range Quality, COCG     The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       CS_OFFL_SIR_GOPM_2_20210223T041202_20210223T041292_C001     COCG Altimeter Range Quality, COCG     The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       CS_OFFL_SIR_GOPM_2_20210223T041202_20210223T041292_C001     COCG Altimeter Range Quality, COCG     The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       CS_OFFL_SIR_GOPM_2_20210223T041292_20210223T041292_C001     COCG Altimeter Range Quality, COCG     The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       CS_OFFL_SIR_GOPM_2_20210223T041292_2001223T041405_C001     COCG Altimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records.       CS_OFFL_SIR_GOPM_2_20210223T041915_20210223T044915_C001     COCG Altimeter Range SNA, SWH and Backscatter Quality Flags have been set for one or more records.       CS_OFFL_SIR_GOPM_2_20210223T043938_C001     COCGA Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records.       CS_OFFL_SIR_GOPM_2_20210223T05119_02010223T052738_C001     COCGA Altimeter Range, SNA, SWH and Backscatter Quality Flags have been set for one or more records.       CS_OFFL_SIR_GOPM_2_20210223T05119_02010223T055	CS_OFFL_SIR_GOPM_2.20210223T04812_20210223T048054_0001       and Backscatter Quality CoG Minimeter Range and Backscatter Quality Flags have been set tor one or more records.         CS_OFFL_SIR_GOPM_2.20210223T040643_20210223T041269_0001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCOG Altimeter Range and Backscatter Quality Flags have been set tor one or more records.         CS_OFFL_SIR_GOPM_2.20210223T041202_20210223T041209_0001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCOG Altimeter Range and Backscatter Quality Flags have been set tor one or more records.         CS_OFFL_SIR_GOPM_2.20210223T041205_20210223T041205_0001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCOG Altimeter Range and Backscatter Quality Flags have been set tor one or more records.         CS_OFFL_SIR_GOPM_2.20210223T041235_20210223T041405_C001       OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set tor one or more records.         CS_OFFL_SIR_GOPM_2.20210223T041232_0210223T041405_C001       Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set tor one or more records.         CS_OFFL_SIR_GOPM_2.20210223T041405_C001       Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags have been and the COCOG Altimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2.20210223T04119_20210223T044915_C001       Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags have been and the COCOG Altimeter Range, SHA, SWH and Backscatter Quality Flags have been and the COCOG Altimeter Range, SHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_GOPM_2_20210223T034718_20210223T034807_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210223T041202_2010223T041209_C001         Backscatter Quality         The OCOG Altimeter Range Quality, OCOG           CS_OFFL_SIR_GOPM_2_20210223T041202_2010223T041209_C001         DCOG Altimeter Range Quality, OCOG         The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T041215_20210223T041227_C001         DCOG Altimeter Range Quality, OCOG         The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T041232_20210223T04125_001         DCOG 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_GOPM_2_20210223T041267_20210223T04155_0011         DCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T043544_20210223T044915_C0011         Dcean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been at the OCOG Altimeter Range as the Altimeter Range and Backscatter Quality Flags have been at the OCOG Altimeter Range and Backscatter	Des_OPPE_SIR_GOPM_2_20210223T041202_20210223T041209_C001         Backscatter Quality         Errore or more records.           CS_OFFL_SIR_GOPM_2_20210223T041202_20210223T041209_C001         OCOG Allimeter Range Quality, OCOG         The OCOG Allimeter Range and Backscatter Quality Flags have been set for ore or more records.           CS_OFFL_SIR_GOPM_2_20210223T041202_201210223T041202_C001         OCOG Allimeter Range Quality, OCOG         The OCOG Allimeter Range and Backscatter Quality Flags have been set for ore or more records.           CS_OFFL_SIR_GOPM_2_20210223T041215_20210223T041205_C001         OCOG Allimeter Range Quality, OCOG         The OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T042157_20210223T0443538_C001         Ocean Allimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T043844_20210223T044915_C001         Ocean Allimeter Range, SHA, SWH and Backscatter Quality Flags have been and Endocratter Quality Flags have been and Allimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_GOPM_2_20210223T034812_20210223T040504_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Cis_DFFL_SIR_GOPM_2_20210223T041215_20210223T041227_0001         Backscatter Quality         For one or more records.           CS_OFFL_SIR_GOPM_2_20210223T041215_20210223T041227_0001         OCOG Allimeter Range Quality, OCOG Backscatter Quality         The OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T041232_20210223T041405_C001         OCOG Allimeter Range Quality, OCOG Backscatter Quality         The OCOG Allimeter Range, SHA, SWH and Backscatter Quality         The OCOG Allimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T04157_20210223T043538_C001         Ocean Allimeter Range, SHA, SWH and Backscatter Quality         The OCOG Allimeter Range, SHA, SWH and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T043644_20210223T044915_C001         Ocean Allimeter Range, SHA, SWH and Backscatter Quality, COGO Allimeter Range and Backscatter Quality, Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T055115_20210223T055108_C001         OCOGO Allimeter Range Quality, COGO Allimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T055115_20210223T055126_C001         OCOGO Allimeter Range Quality, COGO Backscatter Quality, COGO Allimeter Range Quality, COG	DS_OFFL_SIR_GOPM_2_20210223T04122,20210223T041227_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T041225_20210223T041227_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_GOPM_2_20210223T041223_20210223T041405_C001       OCoG Altimeter Range Quality, OCOG       The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T041232_0210223T041405_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T04105_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T043844_20210223T044015_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, COOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, COOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, COOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T061719_20210223T05400_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T054066_20210223T055108_C001       OCOG Altimeter Range ASHAScatter Quality, Flags have been set for one or more records.         <	CS_OFFL_SIR_GOPM_2_20210223T040643_20210223T041156_C001		
CS_OFFL_SIR_GOPM_2_20210233T041232_20210223T041282_200110223T041292_20011       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T041232_20210223T041282_20210223T041405_C001       OCGG Altimeter Range Quality, OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T042157_20210223T043538_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T043644_20210223T044915_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T043644_20210223T044915_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T043644_20210223T044915_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T051719_20210223T052738_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T054009_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T05406_20210223T054108_C001       Ocean Altimeter Range Quality, OCCG         Altimeter Range and Backscatter Quality       For one or more records.         CS_OFFL_SIR_GOPM_2_20210223T054108_20210223T055126_C0011       OCCGA Altimeter Range Qualit	CS_OFFL_SIR_GOPM_2_20210223T041232_20210223T041405_C001         Backscatter Quality         Core or more records.           CS_OFFL_SIR_GOPM_2_20210223T041232_20210223T041405_C001         CCOG Altimeter Range Quality, CCOG Backscatter Quality         The OCog Altimeter Range and Backscatter Quality Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T042157_20210223T043538_C001         CCoean Altimeter Range, SSHA, SWH and Backscatter Quality, CCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T05218_20210223T05409_C001         Qcean Altimeter Range and Backscatter Quality, Flags have been set for one or more records.           CS_OFFL_SIR_GOPM_2_20210223T055105_20210223T055106_C001         QCCG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, CCOG Backscatter	CS_OFFL_SIR_GOPM_2_20210223T041202_20210223T041209_C001		5 5 5
OG_OPE_SIR_GOPM_2_20210223T042157_20210223T043538_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T042157_20210223T043538_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality. COG Altimeter Range and Backscatter Quality. Flags have been Altimeter Range and Backscatter Quality. COG Backscatter Quality. COCG Altimeter Range and Backscatter Quality. COCG Altimeter Range and Backscatter Quality. COCG Backscatter Quality. COCG Altimeter Range and Backscatter Quality. Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T055115_20210223T055126_C001       OCGA Altimeter Range Addexscatter Quality. COCG Backscatter Quality. COCG Altimeter Range and Backscatter Quality. Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T055115_20210223T055126_C001       OCGA Altimeter Range, SSHA, SWH and Backscatter Quality. COCG Altimeter Range an	GS_OFFL_SIR_GOPM_2_20210231041332_202102231041352_2010       Backscatter Quality       for one or more records.         GS_OFFL_SIR_GOPM_2_202102231042157_202102231043538_C001       Ocean Allineter Range, SSHA, SWH and Backscatter Quality Flags and the OCGO Allineter Range and Backscatter Quality Flags and the OCGO Allineter Range and Backscatter Quality Flags and the OCGO Allineter Range and Backscatter Quality Flags and the OCGO Allineter Range and Backscatter Quality Flags and the OCGO Allineter Range and Backscatter Quality Flags and the OCGO Allineter Range and Backscatter Quality Flags and the OCGO Allineter Range and Backscatter Quality Flags and the OCGO Allineter Range and Backscatter Quality Flags and the OCGO Allineter Range and Backscatter Quality Flags and the OCGO Allineter Range and Backscatter Quality Flags and the OCGO Allineter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T052918_20210223T055108_C001       OCGG Allineter Range Quality, OCGG Backscatter Quality Flags have been set for one or more records.       The OCGG Allineter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T055115_20210223T055128_C001       OCGG Allineter Range Quality, OCGG Allineter Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_GOPM_2_20210223T041215_20210223T041227_C001		
CS_OFFL_SIR_GOPM_2_20210223T042157_20210223T043538_C001       and Backscatter Quality COG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range. SSHA, SWH and Backscatter Quality OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210223T051719_20210223T052738_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 have been Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, COOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality, COOG Altimeter Range and Backscatter Quality, Flags have been altimeter Range, SSHA, SWH and Backscatter Quality, COOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T055018_0201       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_20210223T055115_20210223T055126_C001       OCCG Altimeter Range Quality, OCOG Backscatter Quality       The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T055943_20210223T060110_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Ran	CS_OFFL_SIR_GOPM_2_20210223T042157_20210223T043538_C001       and Backscatter Quality, COGG       and the CCOG Altimeter Range and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210223T043644_20210223T044915_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH         CS_OFFL_SIR_GOPM_2_20210223T051719_20210223T052738_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been         CS_OFFL_SIR_GOPM_2_20210223T052738_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been         CS_OFFL_SIR_GOPM_2_20210223T052018_20210223T054409_C001       Ocean Altimeter Range and Backscatter Quality, Flags have been         CS_OFFL_SIR_GOPM_2_20210223T054066_20210223T055108_C001       Ocean Altimeter Range Quality, OCOG       The Ocean Altimeter Range and Backscatter Quality Flags have been set         CS_OFFL_SIR_GOPM_2_20210223T055115_20210223T055128_C001       OCOG Altimeter Range Quality, OCOG       The OCCGA Altimeter Range and Backscatter Quality Flags have been set         CS_OFFL_SIR_GOPM_2_20210223T055043_20210223T055128_C001       OCCGA Altimeter Range Altimeter Range, SSHA, SWH       The OCCGA Altimeter Range and Backscatter Quality Flags have been set         CS_OFFL_SIR_GOPM_2_20210223T055043_20210223T055128_C001       OCCGA Altimeter Range, SSHA, SWH       The OCCGA Altitmeter Range and Backscatter Quality Flags have been <td>CS_OFFL_SIR_GOPM_2_20210223T041232_20210223T041405_C001</td> <td></td> <td></td>	CS_OFFL_SIR_GOPM_2_20210223T041232_20210223T041405_C001		
CS_OFFL_SIR_GOPM_2_20210223T043844_20210223T044915_C001       and Backscatter Quality, OCOG       and the OCOG Attimeter Range and Backscatter Quality       and the OCOG Attimeter Range and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210223T051719_20210223T052738_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210223T052738_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210223T052918_20210223T054409_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210223T055018_C001       Ocean Attimeter Range Quality, OCOG       The OCOG Attimeter Range and Backscatter Quality       Flags have been exits         CS_OFFL_SIR_GOPM_2_20210223T055108_C001       OCOG Attimeter Range Quality, OCOG       The OCOG Attimeter Range and Backscatter Quality       Flags have been exits         CS_OFFL_SIR_GOPM_2_20210223T055115_20210223T055126_C001       OCOG Attimeter Range Quality, OCOG       The OCOG Attimeter Range and Backscatter Quality       Flags have been exits         CS_OFFL_SIR_GOPM_2_20210223T055145_0210223T055126_C001       Ocean Attimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality       Flags have been exits         CS_OFFL_SIR_GOPM_2_20210223T055943_20210223T060110_C001       Ocean Att	CS_OFFL_SIR_GOPM_2_20210223T043844_20210223T044915_C001       and Backscatter Quality. OCCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range. SSHA, SWH and Backscatter Quality. OCCG Altimeter Range. SSHA, SWH and Backscatter Quality. OCCG Altimeter Range. SSHA, SWH and Backscatter Quality Flags have been Altimeter Range. SSHA, SWH and Backscatter Quality. OCCG 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 and Backscatter Quality. Flags have been Altimeter Range Quality. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T055115_20210223T055126_C001       OCCG Altimeter Range Quality. OCCG Backscatter Quality. OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T065943_20210223T060110_C001       Ocean Altimeter Range, SSHA, SWH Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been A	CS_OFFL_SIR_GOPM_2_20210223T042157_20210223T043538_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210223T051719_20210223T052738_C001       and Backscatter Quality, OCOG Attimeter Range and Backscatter Quality set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T052918_20210223T054409_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T054606_20210223T055108_C001       OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T054606_20210223T055108_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T055115_20210223T055126_C001       OCOG Altimeter Range Quality, OCOG Backscatter Quality       The OCCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T055943_20210223T060110_C001       OCEan 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 Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.       The Ocean Altimete	CS_OFFL_SIR_GOPM_2_20210223T051719_20210223T052738_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been ackscatter Quality, OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T054606_20210223T055108_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_20210223T055115_20210223T055126_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_20210223T055115_20210223T055126_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T065943_20210223T060110_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been Altimeter Range and Backscatter Quality, Flags have been Altimeter Range and Backscatter Quality, Flags have been Altimeter Range and Backscatter Quality, Flags have been	CS_OFFL_SIR_GOPM_2_20210223T043844_20210223T044915_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210223T052918_20210223T054409_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_GOPM_2_20210223T054606_20210223T055108_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_20210223T055115_20210223T055126_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_20210223T055115_20210223T055126_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Iags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Iags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been       The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter	CS_OFFL_SIR_GOPM_2_20210223T052918_20210223T054409_C001       and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       and the OCOG Altimeter Range and Backscatter Quality       Figure Range and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210223T054606_20210223T055108_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_20210223T055115_20210223T055126_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_20210223T055115_20210223T055126_C001       OCOG Altimeter Range, SSHA, SWH and Backscatter Quality       The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T055943_20210223T060110_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality         CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality       The Ocean Altimeter Range and Backscatter Quality       Figs and the OCOG Altimeter Range and Backscatter Qual	CS_OFFL_SIR_GOPM_2_20210223T051719_20210223T052738_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_202102231054006_202102231055106_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T055115_20210223T055126_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_GOPM_2_20210223T055943_20210223T060110_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T06139_20210223T062131_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T06139_20210223T062131_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T06139_20210223T062131_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPM_2_202102231054006_202102231055106_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T055115_20210223T055126_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_GOPM_2_20210223T055943_20210223T060110_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality F	CS_OFFL_SIR_GOPM_2_20210223T052918_20210223T054409_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210223T055943_20210223T060110_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T055943_20210223T060110_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backsc	CS_OFFL_SIR_GOPM_2_202102231055115_202102231055126_C001       Backscatter Quality       for one or more records.         CS_OFFL_SIR_GOPM_2_202102231055943_202102231060110_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_202102231060357_2021022310601312_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality       The Ocean Altimeter Range, SSHA, SWH and 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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatte	CS_OFFL_SIR_GOPM_2_20210223T054606_20210223T055108_C001		
CS_OFFL_SIR_GOPM_2_20210223T055943_20210223T060110_C001       and Backscatter Quality, OCOG       and the OCOG Altimeter Range and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags         CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.         CS_OFFL_SIR_GOPM_2_20210223T06139_20210223T062131_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG         CS_OFFL_SIR_GOPM_2_20210223T06139_20210223T062131_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG	CS_OFFL_SIR_GOPM_2_20210223T055943_20210223T060110_C001       and Backscatter Quality, OCOG       and the OCOG Altimeter Range and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags         CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags         CS_OFFL_SIR_GOPM_2_20210223T061639_20210223T061312_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags         CS_OFFL_SIR_GOPM_2_20210223T061639_20210223T062131_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         Store       Ocean Altimeter Range and Backscatter Quality, OCOG       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210223T07018_20210223T072325_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210223T070018_20210223T072325_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20210223T055115_20210223T055126_C001		
CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_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_GOPM_2_20210223T06139_20210223T06139_20210223T062131_C001       Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_C001       and Backscatter Quality, OCOG       and the OCOG Altimeter Range and Backscatter Quality Flags have been         S_OFFL_SIR_GOPM_2_20210223T061639_20210223T062131_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         Altimeter Range and Backscatter Quality       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210223T061639_20210223T062131_C001       Ocean Altimeter Range and Backscatter Quality       The Ocean Altimeter Range and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210223T070018_20210223T072325_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         and Backscatter Quality, OCOG       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20210223T055943_20210223T060110_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210223T061639_20210223T062131_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20210223T061639_20210223T062131_C001       and Backscatter Quality, OCOG       and the OCOG Altimeter Range and Backscatter Quality Flags have been         Altimeter Range and Backscatter Quality       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been         CS_OFFL_SIR_GOPM_2_20210223T070018_20210223T072325_C001       Ocean Altimeter Range, SSHA, SWH       The Ocean Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20210223T060357_20210223T061312_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20210223T070018_20210223T072325_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20210223T061639_20210223T062131_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20210223T070018_20210223T072325_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been		CS_OFFL_SIR_GOPM_2_20210223T070018_20210223T072325_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20210223T072642_20210223T073025_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_20210223T073047_20210223T073342_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_20210223T073632_20210223T080437_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_20210223T083701_20210223T090248_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_20210223T090424_20210223T090940_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_20210223T090947_20210223T091314_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_20210223T091603_20210223T094957_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_20210223T101223_20210223T101351_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_20210223T101353_20210223T102220_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_20210223T102222_20210223T103137_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_20210223T103615_20210223T104243_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_20210223T104425_20210223T105015_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_20210223T105527_20210223T111911_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_20210223T111921_20210223T112914_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_20210223T114310_20210223T114354_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_20210223T114840_20210223T115024_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_20210223T120510_20210223T120701_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_20210223T120845_20210223T122229_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_20210223T122356_20210223T122908_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_20210223T123429_20210223T125723_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_20210223T130008_20210223T130936_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_20210223T132301_20210223T132330_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_20210223T134002_20210223T140134_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_20210223T141427_20210223T144545_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_20210223T150359_20210223T152309_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_20210223T152323_20210223T153608_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_20210223T154524_20210223T154720_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_20210223T154906_20210223T155224_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_20210223T155352_20210223T160946_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_20210223T161149_20210223T162141_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_20210223T163916_20210223T164112_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_20210223T164402_20210223T164550_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_20210223T164835_20210223T170025_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_20210223T171651_20210223T171749_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_20210223T172655_20210223T173126_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_20210223T173322_20210223T174814_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_20210223T183516_20210223T185931_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_20210223T190155_20210223T191030_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_20210223T191237_20210223T193814_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_20210223T194214_20210223T194217_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_20210223T200950_20210223T201029_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_20210223T201236_20210223T203826_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_20210223T204409_20210223T204828_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_20210223T205120_20210223T211912_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_20210223T214458_20210223T221733_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_20210223T222323_20210223T222909_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_20210223T223027_20210223T223651_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_20210223T225129_20210223T225710_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_20210223T230106_20210223T230233_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_20210223T230813_20210223T230859_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_20210223T232207_20210223T235702_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20210223T022559_20210223T022800_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_20210223T073041_20210223T073047_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_20210223T083459_20210223T083501_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_20210223T113108_20210223T113316_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20210223T193815_20210223T194038_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_0FFL_SIR_GOPN_2_20210223T204251_20210223T204409_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_20210223T222953_20210223T223026_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_20210223T140135_20210223T140243_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_20210223T225710_20210223T225843_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	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.

Number of products with errors: 92		
Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20210223T004929_20210223T005250_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_20210223T011946_20210223T012311_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_20210223T031947_20210223T032049_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_20210223T040505_20210223T040643_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_20210223T041405_20210223T041610_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_20210223T045427_20210223T045550_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_20210223T045749_20210223T050004_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_20210223T051438_20210223T051442_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_20210223T051447_20210223T051719_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_20210223T060110_20210223T060357_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_20210223T063417_20210223T063835_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_20210223T064356_20210223T064418_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_20210223T065333_20210223T065354_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_20210223T073025_20210223T073032_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 OFFE SIR GOPN 2 202102231073342 202102231073548 CO01	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_GOPN_2_20210223T083342_20210223T083437_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_20210223T091314_20210223T091439_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_20210223T094957_20210223T095403_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_20210223T105217_20210223T105331_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_20210223T113108_20210223T113316_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_20210223T114355_20210223T114438_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_20210223T114539_20210223T114630_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_20210223T120445_20210223T120510_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_20210223T122230_20210223T122356_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_20210223T133911_20210223T134002_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_20210223T140811_20210223T141327_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_20210223T145912_20210223T150312_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_20210223T154249_20210223T154523_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_20210223T155224_20210223T155352_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_20210223T162142_20210223T162456_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_20210223T164112_20210223T164350_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_20210223T170214_20210223T170346_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_20210223T171749_20210223T172353_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_20210223T181727_20210223T181945_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_20210223T182029_20210223T182209_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_20210223T182222_20210223T182259_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_20210223T182520_20210223T182642_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_20210223T194058_20210223T194214_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_20210223T195658_20210223T200140_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_20210223T200228_20210223T200350_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_20210223T200757_20210223T200950_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_20210223T203947_20210223T204122_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_20210223T204251_20210223T204409_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_20210223T204828_20210223T205115_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_20210223T221933_20210223T222322_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_20210223T224656_20210223T224933_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_20210223T224950_20210223T225128_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_20210223T225844_20210223T230009_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_20210223T230041_20210223T230106_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_20210223T000055_20210223T000920_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_20210223T012737_20210223T013405_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_20210223T013629_20210223T013902_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_20210223T014148_20210223T014931_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_20210223T032049_20210223T032633_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_20210223T033030_20210223T033509_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_20210223T043539_20210223T043844_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_20210223T044915_20210223T045113_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_20210223T045551_20210223T045749_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_20210223T050010_20210223T050647_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_20210223T063107_20210223T063340_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_20210223T063358_20210223T063411_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_20210223T063835_20210223T064356_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_20210223T081659_20210223T082626_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_20210223T095404_20210223T100139_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_20210223T113316_20210223T114002_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_20210223T114630_20210223T114840_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_20210223T120701_20210223T120845_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_20210223T123211_20210223T123429_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_20210223T130936_20210223T131039_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_20210223T131213_20210223T131903_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_20210223T131903_20210223T132108_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_20210223T140135_20210223T140243_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_20210223T145327_20210223T145759_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_20210223T145759_20210223T145911_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_20210223T153608_20210223T154249_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_20210223T160946_20210223T161149_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_20210223T163130_20210223T163634_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_20210223T163634_20210223T163801_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_20210223T170025_20210223T170214_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_20210223T174814_20210223T174954_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_20210223T175120_20210223T175704_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_20210223T181121_20210223T181726_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_20210223T181946_20210223T182029_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_20210223T182259_20210223T182519_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_20210223T182642_20210223T182652_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_0FFL_SIR_GOPR_2_20210223T194847_20210223T195112_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_20210223T195248_20210223T195658_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_20210223T203826_20210223T203947_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_20210223T212153_20210223T212228_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_0FFL_SIR_G0PR_2_20210223T212710_20210223T213740_C001	Ocean Aitimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range 2014 SQUA	I ne Ocean Aitimeter Range, SSHA, SVVH 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_20210223T221733_20210223T221933_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_20210223T231049_20210223T231836_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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

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

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

5.8 L2 Ocean Retracking Quality Check								
L2 Retracking Flags (20Hz)								
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.								
Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.								
Number of products with errors: 61								
L2 Retracking Flags (20Hz, PLRM)								
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM m								
Ocean Retracking Quality Flag (PLRM): This flag is currently set for products Go Number of products with errors: 145	OPR and GOPN products over sea ice, but	this is to be expected.						
6. GOP L2 I	Pole-to-Pole Data Quality	/ Check						
6.1 P2P Product Format Check								
Each product, retrieved and unpacked from the science server, is checked to ensu	re it consists of both an XML header file (.I	HDR) and a NetCDF product file (.nc).						
Number of products with errors: 0								
6.2 P2P Product Header Analysis								
For all products, a series of pre-defined checks are performed on the MPH and SF	PH in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.						
Number of products with errors: 0								
6 2 P2P Auviliany Data File Usage Check								
6.3 P2P Auxiliary Data File Usage Check								
Each product is checked for missing Data Set Descriptors with respect to a pre-de Number of products with errors: 0	termined baseline and also to check the va	alidity of Auxiliary Data Files is correct.						
6.4 P2P Auxiliary Correction Error Check								
For all products, the auxiliary corrections within the Geophysical Group are checked								
Currently, there are some common auxiliary correction errors raised in the L followed by a table highlighting any additional issues which may arise from		e to surface type. All common flags are summarised in the list below,						
> ECMWF Meteo Corrections: Currently the following corrections are not comput Correction and the U-Wind and V-Wind components of the ECMWF model wind ve not reported in the table below.								
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for pro	ducts over sea ice, but this is to be expected	ed.						
> Altimetric Wind Speed Error: The error value is currently set for products over	land and sea ice, but this is to be expected	<b>1</b> .						
Number of products with errors: 30								
Product	Test Failed	Description						
CS_OFFL_SIR_GOP_220210222T231419_20210223T000356_C002	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records						
CS_OFFL_SIR_GOP_220210223T000356_20210223T005333_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_220210223T005333_20210223T014310_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_220210223T014310_20210223T023248_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_220210223T023248_20210223T032225_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_220210223T032225_20210223T041202_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_220210223T041202_20210223T050139_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_220210223T050139_20210223T055117_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_220210223T055117_20210223T064054_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_220210223T064054_20210223T073032_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_20210223T073032_20210223T082009_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_220210223T082009_20210223T090947_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_20210223T090947_20210223T095924_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_220210223T095924_20210223T104901_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						

Mean Sea Surface (1), Mean Dynamic Topography (1)

CS\_OFFL\_SIR\_GOP\_2\_20210223T104901\_20210223T113838\_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_220210223T113838_202	10223T122816_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_220210223T122816_202	10223T131753_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_20210223T131753_202	10223T140731_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_220210223T140731_202	10223T145707_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), 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_220210223T145707_202	10223T154645_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_220210223T154645_202	10223T163622_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_220210223T163622_202	10223T172600_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_220210223T172600_202	10223T181537_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_220210223T181537_202	10223T190515_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_220210223T190515_202	10223T195452_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_20210223T195452_202	10223T204429_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_220210223T204429_202	10223T213406_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_220210223T213406_202	10223T222344_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_220210223T222344_202	10223T231321_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_20210223T231321_202	10224T000259_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
6.5 P2P Measurement Confidence	Data Check		
		The bit start of this for a start is the second start of the secon	P
CryoSat P2P data includes a measurement confide	-	rement record. The bit value of this flag ind	licates any problems when set.
Number of products with errors:	0		
6.6 P2P Measurement Quality Flag	j Check		
P2P Quality Flags (20Hz)			
CryoSat P2P data includes Quality Flags for each			
Since the P2P Quality Flags are copied directly		ease see Section 5.6 for the full list of pr	oducts affected.
Number of products with errors:	29		
P2P Quality Flags (20Hz PLRM)			
Since the P2P Quality Flags are copied directly	from the L2 Quality Flags, ple	ease see Section 5.6 for the full list of pr	oducts affected.
Number of products with errors:	29		
P2P Quality Flags (1 Hz & 1Hz PLRM)			
Since the P2P Quality Flags are copied directly	from the L2 Quality Flags, ple	ease see Section 5.6 for the full list of pr	roducts affected.
Number of products with errors:	30		
6.8 P2P Ocean Retracking Quality	Check		
P2P Retracking Flags (20Hz) Cryosat P2P data includes an ocean retracking qua	ality flag (field 19) for each 20-H	z measurement record. The bit value of thi	is flag indicates any problems when set.
Ocean Retracking Quality Flag (PLRM): This flag	g is currently set for products GC	OPR and GOPN products over sea ice, but	this is to be expected.
Number of products with errors:	28		
P2P Retracking Flags PLRM			
CryoSat L2 data includes an ocean retracking qual	lity flag for each 20-Hz PLRM m	easurement record. The bit value of this fla	ag indicates any problems when set.
Ocean Retracking Quality Flag (PLRM): This flag			
Number of products with errors:	30		

# 7. GOP QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_GOPM1B	183	183	1	182	0

5 115	U	115	0
9 109	0	109	0
3 183	132	51	0
5 115	42	71	2
9 109	44	65	0
29	0	27	2
3 1 2	33         183           15         115           09         109	33         183         132           15         115         42           09         109         44	33         183         132         51           15         115         42         71           09         109         44         65

## 7.1 QCC Errors

Number of QCC reports with errors:

Total number of occurrences of each error											
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOPR_2	2	2	2	2							
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOP_2_	2	2	2	2							
Test Description	n Key:										

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Abbreviation	Test name	Details
RLOBOPNCDF RangeLatitudeOrBlankOP_7NetCDF		Latitude should be between -90E7 and 90E7
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7

## 7.2 QCC Warnings

Number of QCC reports with warnings 2122

	Total number of occurrences of each warning								
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD		
SIR_GOPM1B	182	0	0	0	0	0	0		
SIR_GOPM_2	0	0	32	35	0	41	0		
SIR_GOPN1B	107	0	0	0	0	0	0		
SIR_GOPN_2	0	0	9	40	3	27	28		
SIR_GOPR1B	114	0	0	0	0	0	0		
SIR_GOPR_2	0	2	19	32	1	26	20		

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNCE	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	37	0	28	0	0	0	0
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	16	0	0	0	25	0	41
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	15	1	0	35	0	43	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOPM1B	0	0	0	0	0	0	0
SIR_GOPM_2	21	0	0	8	24	0	6
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	0	0	34	14	48	58	39
SIR_GOPR1B	0	0	0	0	0	0	0
SIR GOPR 2	0	35	0	0	54	32	15

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMN	CDF RSWHOEPNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF -	
SIR_GOPM1B	0	0	0	0	0	0	
SIR_GOPM_2	32	0	1	0	0	0	
SIR_GOPN1B	0	0	0	0	50	3	
SIR_GOPN_2	38	36	17	1	0	0	
SIR_GOPR1B	0	0	0	0	115	10	
SIR_GOPR_2	23	37	2	6	0	0	
	*			•	+	+ +	
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCDRBSZOPO	EPNCDF

Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	RBSZOPOEPNCDF
SIR_GOP_2_	17	29	29	4	29	17	28
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Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_GOP_2_	1	17	26	22	16	29	19
Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-
SIR GOP 2	28	29	17	18	29		

Test Description Key:					
Abbreviation	Test name	Details			
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter			
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)			
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees			
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees			
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only			
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RBSZOPOEPFDPLRM	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean			
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPFDPLRMSAR	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees			
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean			
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean			

RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPFDPLRMNC DF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

# 7.3 Missing QCC Reports

Number of products with missing QCC reports:

0