

QA4EO Daily Report for GOP data:

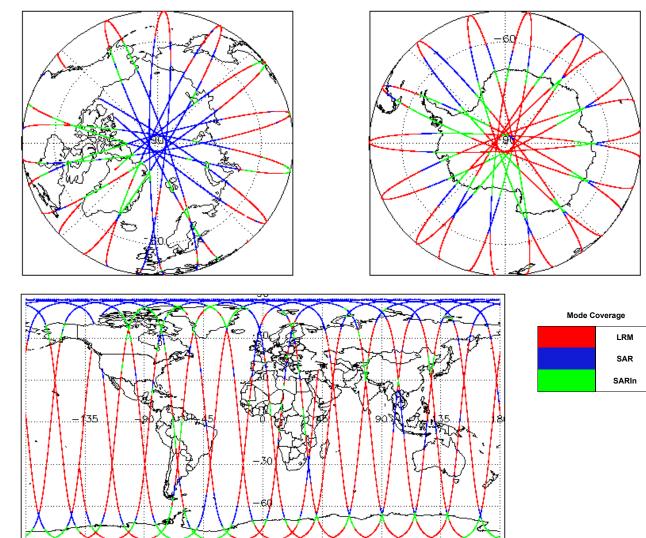
23/05/2020

anaut Duaduation.	25-Jun-2020	Check	L1 & L2	P2P
Report Production:	25-Jun-2020	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	0.010.0	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal
		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

N	Mission / Instrument News		
	22-May-2020	None	
	23-May-2020	None	
	24-May-2020	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).

4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and	d SPH in order to identify any i	nconsistencies and/or errors raised by the ground-segment processing chain.		
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1I OSARIn chains. A modification is required in the next release.	B GOPR and GOPN products	because the I1b_processing_quality_hr field is not correctly configured in the OSAR and		
Number of products with errors: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-	e-determined baseline and als	o to check the validity of Auxiliary Data Files is correct		
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag for each measurement recor	d. The bit value of this flag ind	icates any problems when set.		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurement	nent record. The bit value of th	is flag indicates any problems when set.		
Attitude Correction Missing: This flag is currently set in error for GOPR proc	lucts due to a configuration iss	sue. 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	d. The hit value of this flag indi	cates any problems when set		
Loss of Echo Flag: This flag is currently set for some products over land, but	-	cates any problems when set.		
Number of products with errors: 17				
Product	Test Esiled	Description		
Product CS_OFFL_SIR_GOPM1B_20200523T203224_20200523T205847_C001	Loss of Echo	Description The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPM1B_20200523T230934_20200523T233722_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200523T044506_20200523T044914_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200523T070347_20200523T070946_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200523T080320_20200523T080540_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200523T103421_20200523T103709_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200523T125314_20200523T125401_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200523T125543_20200523T125638_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200523T130628_20200523T130805_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200523T143557_20200523T143640_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200523T185210_20200523T185426_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200523T192950_20200523T193414_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20200523T202725_20200523T203048_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20200523T025743_20200523T030458_C001 CS_OFFL_SIR_GOPR1B_20200523T080853_20200523T081115_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20200523T161611_20200523T162340_C001	Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20200523T192653_20200523T192857_C001	Loss of Echo	The tracking echo is missing for one or more records		
5. GC	OP Level 2 Data Q	luality Check		
5.1 L2 Product Format Check				
	onsura it consists of both an X	ML beader file (HDD) and a binary product file (DBL)		
Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 0				
5.2 L2 Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and	d SPH in order to identify any i	inconsistencies and/or errors raised by the ground-segment processing chain.		
Number of products with errors: 0				
5.3 L2 Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-	e-determined baseline and als	o to check the validity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
5.4 L2 Auxiliary Correction Error Check				
	acked for the default error web	(22767)		
For all products, the auxiliary corrections within the Geophysical Group are cho Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise from	he Level 2 products which a	re expected due 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 vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are				
not reported in the table below.				
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected. > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.				

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200523T093359_20200523T093423_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_20200523T093423_20200523T093437_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_20200523T002903_20200523T003028_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_20200523T003816_20200523T003930_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_20200523T012956_20200523T013043_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20200523T020830_20200523T020956_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_20200523T021508_20200523T021810_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_20200523T034848_20200523T035149_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_20200523T035409_20200523T035926_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_20200523T043835_20200523T043925_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_20200523T044506_20200523T044914_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20200523T052846_20200523T053120_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_20200523T062357_20200523T062511_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_20200523T062700_20200523T062934_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography height (solution 1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20200523T070347_20200523T070946_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_20200523T080320_20200523T080540_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_20200523T084602_20200523T084751_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_20200523T094255_20200523T094735_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_20200523T102540_20200523T102717_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_20200523T120527_20200523T120915_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_20200523T124411_20200523T124557_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_20200523T125543_20200523T125638_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_20200523T134504_20200523T134820_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_20200523T135332_20200523T135453_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_20200523T143557_20200523T143640_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_20200523T161139_20200523T161357_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_20200523T161452_20200523T161611_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_20200523T175358_20200523T175522_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_20200523T184811_20200523T185049_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_20200523T185210_20200523T185426_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_20200523T192950_20200523T193414_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_20200523T202725_20200523T203048_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_20200523T210845_20200523T211235_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_20200523T220830_20200523T220951_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_20200523T011909_20200523T012559_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_20200523T012559_20200523T012902_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_20200523T025743_20200523T030458_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_20200523T030458_20200523T030704_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_20200523T043738_20200523T043835_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_20200523T043925_20200523T044352_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_20200523T044352_20200523T044506_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_20200523T061724_20200523T062221_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_20200523T062221_20200523T062357_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_20200523T073408_20200523T074036_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_20200523T075711_20200523T080320_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_20200523T093842_20200523T094255_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_20200523T111259_20200523T112337_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_20200523T125638_20200523T130426_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_20200523T143640_20200523T144720_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_20200523T161611_20200523T162340_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_20200523T175522_20200523T180043_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_20200523T193414_20200523T193744_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_20200523T193745_20200523T194119_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_20200523T211235_20200523T211748_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_20200523T224927_20200523T225823_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

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

91

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200523T000436_20200523T000610_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_GOPM_2_20200523T002219_20200523T002754_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_GOPM_2_20200523T003028_20200523T003615_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_20200523T004219_20200523T011547_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_20200523T012902_20200523T012956_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_20200523T015117_20200523T015306_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_20200523T015351_20200523T020705_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_20200523T020956_20200523T021507_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_20200523T022130_20200523T024319_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_20200523T024553_20200523T025534_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_20200523T030704_20200523T030927_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_20200523T032514_20200523T032545_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_20200523T032558_20200523T034512_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_20200523T035149_20200523T035409_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_20200523T040116_20200523T043345_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_20200523T044956_20200523T050859_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_20200523T050922_20200523T052218_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_20200523T053121_20200523T053317_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_20200523T053456_20200523T053820_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_20200523T054015_20200523T055539_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_20200523T055742_20200523T060705_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_20200523T062511_20200523T062700_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_20200523T062939_20200523T063153_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_20200523T063345_20200523T064623_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_20200523T065104_20200523T065230_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_20200523T070946_20200523T071239_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_20200523T071250_20200523T071721_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_20200523T071954_20200523T073407_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.

CA, OPPL, DR, DOPPL, 2, DOPPL 2, DOPPLTING 2, D	CS_OFFL_SIR_GOPM_2_20200523T082113_20200523T084452_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.
CI: 0FH, SR. 00FH, 2. 2008023710222, 2008023710229, 2001 COO Allineation Langel mathematic lange in the construction lange in the constructin lange in the construction lange in the construction lange in the	CS_OFFL_SIR_GOPM_2_20200523T084751_20200523T085622_C001		
Integration Integration Integration Integration Integration C1_CPE1_SR_00PM_2_D000001100001100001_000001 C0000010000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20200523T085922_20200523T092417_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Control Control Stratester Cuary For ever serve serves. C1_00FTL_SRL_DOPU_2_DODDESTINGUE_DODD Destingue SMA_NUM_ The Subcode Animate Page and Subcode Cuary The Subcode Animate Page and Subcode Cuary C1_00FTL_SRL_DOPU_2_DODDESTINGUE_DODD Destingue SMA_NUM_ Subcode Transmission The Subcode Cuary C1_00FTL_SRL_DOPU_2_DODDESTINGUE_DESCESTINGUE_DODD Destingue SMA_NUM_ Subcode Transmission The Subcode Cuary C1_00FTL_SRL_DOPU_2_DODDESTINGUE_DESCESTINGUE_DODD Destingue SMA_NUM_ Subcode Transmission The Subcode Cuary Subcode Cuary C1_00FTL_SRL_DOPU_2_DODDESTINGUE_DESCESTINGUE_DODD Destingue SMA_NUM_ Subcode Transmission The Outer Allower Resp. SMA_NUM and Buckedin Cuary Resp. SMA_NUM and Buckedin Cu	CS_OFFL_SIR_GOPM_2_20200523T092805_20200523T093237_C001		
DE_OPT_UBL_OBDUC_2000003110840_2000003110840_0001 with the Darks and t	CS_OFFL_SIR_GOPM_2_20200523T095624_20200523T095629_C001		
CB, CHL, SHL, SUPPL 2, 20208221112018 20205221110218 2020522111011 20	CS_OFFL_SIR_GOPM_2_20200523T095833_20200523T102340_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_0FFL_SR_0CPW_2_2000527110391_20005207110391_20005 mail backscatter Cuality, CODE Allement Reging and Backscatter Cuality, Regin and Backscatter Cuality, Regin and Backscatter Cuality, Regin Allement Reging and Backscatter Cuality, CODE Allement Reging and Backscatter Cuality, Regin Allement Reging and Backscatter Cuality, CODE Allement Reging and Backscatter Cuality, Regin Allement Reging and Backscatter Cuality, CODE Allement Reging and Backscatter Cuality Regin Have been all for one run resords. CS_0FFL_SR_COPM_2_20000022114280, 20000022114280, 2000022114280, 2000022114280, 2000022114280,	CS_OFFL_SIR_GOPM_2_20200523T103004_20200523T103421_C001		
C2_0FL_SR_GOPM_2_202000231113014_20200231113020_0001 Descenter Quality Coop The COOQ Alimeter Range and Backscatter Quality Flags have been and area or once mosts. C2_0FL_SR_GOPM_2_202000231112014_20200231112101_0001 DOOQ Alimeter Range and Backscatter Quality Flags have been and iter or once mosts. The COOQ Alimeter Range and Backscatter Quality Flags have been and iter or once mosts. C2_0FL_SR_GOPM_2_20200231112014_20200231112210_0001 DOOQ Alimeter Range and Backscatter Quality Flags have been and iter or once mosts. The COOR Alimeter Range and Backscatter Quality Flags have been and iter or once mosts. C2_0FL_SR_GOPM_2_20200231112101_20200231112210_0001 DOOQ Alimeter Range and Backscatter Quality Flags have been and iter or once mosts. The Coom Alimeter Range and Backscatter Quality Flags have been and iter or once mosts. C2_0FL_SR_GOPM_2_202000231112101_20200231112101_00000 Doom Alimeter Range and Backscatter Quality Flags have been and iter or on none mosts. The Coom Alimeter Range and Backscatter Quality Flags have been and iter or on none mosts. C2_0FL_SR_GOPM_2_202000231113000_2001130312_00000 DOOQ Alimeter Range and Backscatter Quality Flags have been and iter or on none mosts. The Coom Alimeter Range and Backscatter Quality Flags have been and iter or on none mosts. C2_0FL_SR_GOPM_2_202000231113000_2001113032_00000 DOOQ Alimeter Range and Backscatter Quality Flags have been and iter or one mosts. The Coop Alimeter Range and Backscatter Quality Flags have been and iter or one mosts. C2_0FL_SR_GOPM_2_202000231113010_20000000000000000	CS_OFFL_SIR_GOPM_2_20200523T103819_20200523T110426_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Displant Displant Backsotter Quality Tor one or more records. C6, OFFL_SIR_GOPM_2_20200523112(441_202006231122(40, 000) Colora Altimeter Range and Backsotter Quality Colora The Ocean Altimeter Range and Backsotter Quality Flags have been altimeter Range Altithater Range Altimeter Range Altimeter Range Altithater	CS_OFFL_SIR_GOPM_2_20200523T113041_20200523T120236_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_DFFL_SIR_GOPM_2_20200523112641_20200523112540_C001 and Backscatter Quality, COCG and Backscatter Quality and Backscatter Quality, COCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been Attimeter Range and Backscatter Quality, Flags have been Attimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, Flags have been Attimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, Flags have been Attimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, Flags have been Attimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, Flags have been attimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, Flags and Backscatter Quality, Flags have been attimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, Flags have been attimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, COCG Attimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, COCG Attimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, COCG Attimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, COCG Attimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, COCG Attimeter Range and Backscatter Quality, Flags have been ast for one or none records. CS_OFFL_SIR_GOPM_2_202005231143263_202005231145280_COCI Occa Attimeter Range, SSHA, SWH and Backscatter Quality, COCG Attimeter Range and Backscatter Quality, Flags have been ast for one or none records. CS_OFFL_SIR_GOPM_2_202005231145280_COCI Occa Attimeter Range, SSHA, SWH and Backscatter Quality, Flags and Backscatter Quality, Flags and Backscatter Quality, Flags and Backscatter Quality, Flags and Backscatter Quality, Flags have been Attimeter Range and Backscatter Q	CS_OFFL_SIR_GOPM_2_20200523T120915_20200523T121501_C001		
CS_OFFL_SIR_GOPM_2.20200523T125401_20200523T152467_0001 and Backscatter Quality COG Attmater Range and Backscatter Quality Flags have been Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been at the COG Attmater Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2.20200523T142510_20200523T142520_C001 Ocean Attmater Range SHA. SWH and Backscatter Quality Flags have been at the Coen Attmater Range SHA. SWH and Backscatter Quality Flags have been at the Coen Attmater Range SHA. SWH and Backscatter Quality Flags have been at the Coen Attmater Range SHA. SWH and Backscatter Quality Flags have been at the Coen Attmater Range SHA. SWH and Backscatter Quality Flags have been at the Coen Attmater Range SHA. SWH and Backscatter Quality Flags have been at the Coen Attmater Range SHA. SWH and Backscatter Quality Flags have been at the Coen Attmater Ran	CS_OFFL_SIR_GOPM_2_20200523T121641_20200523T122240_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200523T130805_20200523T134147_C001 and Badscatter Quality, CCCG and Badscatter Quality, CCCG and Badscatter Quality, CCCG CS_OFFL_SIR_GOPM_2_20200523T136832_0200523T136832_0200523T136832_0200523T14448_001 OCCGA Altimeter Range Quality, CCCG The OCCGA Altimeter Range and Badscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T142510_20200523T14250_0000 OCCGA Altimeter Range SIS14, SWH and Badscatter Quality, Flags have been set for one or more records. The OCCGA Altimeter Range and Badscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T142510_20200523T142500_0000 OCCGA Altimeter Range and Badscatter Quality, CCCG The OCCGA Altimeter Range and Badscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T142510_20200523T142530_0000 Occan Altimeter Range SIS14, SWH and Badscatter Quality, Flags have been set for one or more records. The OCCan Altimeter Range and Badscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T142500_2000523T151524_C001 Occan Altimeter Range SIS14, SWH and Badscatter Quality, Flags have been set for one or more records. The OCCan Altimeter Range SIS14, SWH and Badscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T15285_20200523T15285_C001 Occan Altimeter Range SIS14, SWH and Badscatter Quality, Flags have been set for one or more records. The OCCOA Altimeter Range SIS14, SWH and Badscatter Quality, Flags have been set for one or more record	CS_OFFL_SIR_GOPM_2_20200523T125401_20200523T125457_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Displace Description Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20200523T135633_20200523T141448_C001 Corean Attimeter Range, SSHA, SWH and backscatter Quality The OCORA Mitmeter Range, SSHA, SWH and backscatter Quality The OCORA Mitmeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T142510_20200523T142520_C001 COCO Attimeter Range Quality, COCO Backscatter Quality The OCORA Mitmeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T142510_20200523T142520_C001 Cocon Attimeter Range Quality, COCO Attimeter Range and Backscatter Quality The OCORA Mitmeter Range and Backscatter Quality The OCORA Mitmeter Range AND Attimeter Range and Backscatter Quality CS_OFFL_SIR_GOPM_2_20200523T142520_C001 Cocen Attimeter Range, SSHA, SWH and Backscatter Quality, COCO Attimeter Range and Backscatter Quality, COCO Attimeter Range, SSHA, SWH and Backscatter Quality, COCO Attimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T15252_0200523T15253E_0200523T15253E_02001 Cocen Attimeter Range, SSHA, SWH and Backscatter Quality, COCO Attimeter Range and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T15252_0200523T152520_0001 Cocen Attimeter Range, SSHA, SWH	CS_OFFL_SIR_GOPM_2_20200523T130805_20200523T134147_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200523T142510_20200523T142520_0001 Addited Frange and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T142510_20200523T142520_0001 CCOC Altimeter Range Quality, CCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T142510_20200523T142520_0001 CCOC Altimeter Range Quality, CCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T143305_20200523T143333_C001 COCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T144720_20200523T151524_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T151535_20200523T152035_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T15255_20200523T152035_C001 Cocan Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, CCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T15252_20200523T152549_C001 CCCG Altimeter Range Quality, CCCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T15252_20200523T152549_C001 CCCG Altimeter Range and Backscatter Quality, CCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T16205_C001 CCCG Altime	CS_OFFL_SIR_GOPM_2_20200523T134820_20200523T135332_C001		
LS_OFFL_SIR_GOPM_2_20200523T142310_20200523T142313_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20200523T143305_20200523T143333_C001 Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the 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 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range Guality, OCOG CS_OFFL_SIR_GOPM_2_20200523T152825_20200523T152819_C001 OCOG Altimeter Range Quality, OCOG The Ocean Altimeter Range Range Quality, OCOG CS_OFFL_SIR_GOPM_2_20200523T152825_20200523T152826_20200523T152826_20200523T152826_20200523T152826_20200523T152826_20200523T152826_20200523T152826_20200523T152826_20200523T152826_20200523T152826_20200523T152826_20200523T152826_20200523T152826_20200523T152826_20200523T158240_C001 OCCGA Altimeter Range Quality, OCOG The Ocean Altimeter Range SHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T152826_20200523T1628025_C001 OCCGA Altimeter Range Quality, OCOG The OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCCGA Altimeter Range SSHA,	CS_OFFL_SIR_GOPM_2_20200523T135633_20200523T141448_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200523T143335_0001 and Backscatter Quality, COGG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality, COGG Altimeter Range, SHA, SWH and Backscatter Quality, COGG Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range, SHA, SWH and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality. CS_OFFL_SIR_GOPM_2_20200523T151525_20200523T152035_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality. The Ocean Altimeter Range, SHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality. CS_OFFL_SIR_GOPM_2_20200523T152625_20200523T152819_C001 OCCG Altimeter Range Quality. The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T152819_C001 OCCG Altimeter Range, SHA, SWH and Backscatter Quality. The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T152819_20200523T160205_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality. The OCCG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality. CS_OFFL_SIR_GOPM_2_20200523T160335_20200523T161026_C001 Ocean Altimeter Range, SHA, SWH and Backscatter Quality. The OCCG Altimeter Range, SHA, SWH and Backscatter Quality Flags and the	CS_OFFL_SIR_GOPM_2_20200523T142510_20200523T142520_C001		
CS_OFFL_SIR_GOPM_2_20200523T14720_20200523T151524_C001 and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T152625_20200523T152819_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_20200523T152826_20200523T153240_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_20200523T153619_20200523T160205_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality COG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality COG Altimeter Range, SSHA, SWH and Backscatter Quality, COG 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 	CS_OFFL_SIR_GOPM_2_20200523T143305_20200523T143333_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200523T151035_0200523T152035_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_20200523T152625_20200523T152619_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_20200523T152826_20200523T152826_20200523T153240_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_20200523T153619_20200523T160205_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean 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 have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T160335_20200523T161026_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T161026_20200523T16103_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 and the OCOG Altimeter Range and Backscatter Quality, Flags have been and the OCOG Altimeter Range and Backscatter Quality, Flags h	CS_OFFL_SIR_GOPM_2_20200523T144720_20200523T151524_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200523T152825_20200523T152819_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20200523T152826_20200523T152840_C001 OCOG Altimeter Range Quality, OCOG The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T153619_20200523T160205_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, and the OCOG Altimeter Range 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 altimeter Range, and Backscatter Quality, OCOG Altimeter Range, and Backscatter Quality, Flags have been altimeter Range, and Backscatter Quality, OCOG Altimeter Range, and Backscatter Quality, Flags have been altimeter Range, and Backscatter Quality, OCOG Altimeter Range, and Backscatter Quality, Flags have been altimeter Range, and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range, and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range, and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been altinter Range and Backscatter Quality, OCOG Altimeter Ra	CS_OFFL_SIR_GOPM_2_20200523T151535_20200523T152035_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200523115262_202005231163240_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_GOPM_2_20200523T153619_20200523T160205_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, SSHA, SWH and Backscatter Quality Flags set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T160335_20200523T161026_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality The Ocean 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 hand the OCOG Altimeter Range and Backscatter Quali	CS_OFFL_SIR_GOPM_2_20200523T152625_20200523T152819_C001		
CS_OFFL_SIR_GOPM_2_20200523T153619_20200523T160205_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality set for one or more records. CS_OFFL_SIR_GOPM_2_20200523T160335_20200523T161026_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 CS_OFFL_SIR_GOPM_2_20200523T161026_20200523T161026_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, 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, 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, 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, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and t	CS_OFFL_SIR_GOPM_2_20200523T152826_20200523T153240_C001		
CS_OFFL_SIR_GOPM_2_20200523T160335_20200523T161026_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range, SSHA, SWH CS_OFFL_SIR_GOPM_2_20200523T161026_20200523T161103_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 CS_OFFL_SIR_GOPM_2_20200523T162642_20200523T162941_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags hand the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hand the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hand the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hand the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hand the OCOG Altimeter Range and Backscatter Quality Flags hand the OCO	CS_OFFL_SIR_GOPM_2_20200523T153619_20200523T160205_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200523T161026_20200523T161103_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been S_OFFL_SIR_GOPM_2_20200523T162642_20200523T162941_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_20200523T162642_20200523T162941_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_GOPM_2_20200523T163011_20200523T164045_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_20200523T160335_20200523T161026_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200523T162642_20200523T162941_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_20200523T163011_20200523T164045_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20200523T161026_20200523T161103_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPM_2_20200523T163011_20200523T164045_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPM_2_20200523T162642_20200523T162941_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_GOPM_2_20200523T163011_20200523T164045_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPM_2_20200523T164235_20200523T164508_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_20200523T164517_20200523T164747_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_20200523T165327_20200523T165959_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_20200523T170737_20200523T170949_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_20200523T171826_20200523T173050_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_20200523T173221_20200523T174146_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_20200523T174246_20200523T174913_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_20200523T181112_20200523T182152_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_20200523T182658_20200523T183200_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_20200523T183230_20200523T183848_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_20200523T184122_20200523T184617_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_20200523T184653_20200523T184811_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_20200523T185430_20200523T185850_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_20200523T191430_20200523T192514_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_20200523T200250_20200523T201757_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_20200523T202059_20200523T202545_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_20200523T202607_20200523T202725_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_20200523T203224_20200523T205847_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_20200523T213203_20200523T215238_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_20200523T215240_20200523T215711_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_20200523T220051_20200523T220444_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_20200523T220449_20200523T220459_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_20200523T220505_20200523T220830_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_20200523T221144_20200523T223825_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_20200523T230934_20200523T233722_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_20200523T233912_20200523T234358_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_20200523T234403_20200523T234733_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_20200523T235125_20200524T002526_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_20200523T053820_20200523T053950_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_20200523T070151_20200523T070245_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_20200523T093237_20200523T093359_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_20200523T103421_20200523T103709_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_20200523T184811_20200523T185049_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_20200523T191230_20200523T191237_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20200523T025743_20200523T030458_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_20200523T043925_20200523T044352_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_20200523T164747_20200523T164759_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.

93

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20200523T011657_20200523T011909_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_20200523T014536_20200523T014720_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_20200523T020830_20200523T020956_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_20200523T021508_20200523T021810_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_20200523T032546_20200523T032558_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_20200523T034848_20200523T035149_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_20200523T035409_20200523T035926_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_20200523T053317_20200523T053456_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_20200523T060705_20200523T061042_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_20200523T062700_20200523T062934_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_20200523T064623_20200523T065009_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_20200523T070347_20200523T070946_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_20200523T080320_20200523T080540_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_20200523T080617_20200523T080803_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_20200523T081115_20200523T081238_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_20200523T084602_20200523T084751_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_20200523T085622_20200523T085814_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_20200523T092417_20200523T092805_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_20200523T093237_20200523T093359_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_20200523T094822_20200523T094944_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_20200523T102843_20200523T103004_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_20200523T103421_20200523T103709_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_20200523T120527_20200523T120915_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_20200523T123150_20200523T123523_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_20200523T123539_20200523T123718_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_20200523T124628_20200523T124650_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_20200523T130628_20200523T130805_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_20200523T134504_20200523T134820_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_20200523T135332_20200523T135453_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_20200523T141448_20200523T141732_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_20200523T152220_20200523T152625_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_20200523T153240_20200523T153348_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_20200523T161139_20200523T161357_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_20200523T170949_20200523T171133_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_20200523T174923_20200523T174928_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_20200523T180822_20200523T181112_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_20200523T183939_20200523T184122_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_20200523T184811_20200523T185049_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_20200523T185210_20200523T185426_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_20200523T190627_20200523T191217_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_20200523T192514_20200523T192637_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_20200523T192950_20200523T193414_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_20200523T215828_20200523T220051_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_20200523T220830_20200523T220951_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_20200523T003930_20200523T004219_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_20200523T011909_20200523T012559_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_20200523T012559_20200523T012902_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_20200523T013109_20200523T013443_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_20200523T020705_20200523T020830_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_20200523T021810_20200523T022130_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_20200523T025743_20200523T030458_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_20200523T030458_20200523T030704_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_20200523T030927_20200523T031653_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_20200523T034512_20200523T034848_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_20200523T035926_20200523T040116_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_20200523T043738_20200523T043835_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_20200523T043925_20200523T044352_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_20200523T044352_20200523T044506_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_20200523T052218_20200523T052846_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_20200523T061724_20200523T062221_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_20200523T062221_20200523T062357_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_20200523T073408_20200523T074036_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_20200523T074036_20200523T074256_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_20200523T075711_20200523T080320_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_20200523T080853_20200523T081115_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_20200523T081828_20200523T081950_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_20200523T085814_20200523T085922_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_20200523T093437_20200523T093702_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_20200523T093842_20200523T094255_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_20200523T102340_20200523T102540_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_20200523T111259_20200523T112337_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_20200523T120236_20200523T120527_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_20200523T125457_20200523T125543_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_20200523T125638_20200523T130426_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_20200523T134147_20200523T134504_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_20200523T142716_20200523T142816_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_20200523T143640_20200523T144720_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_20200523T152036_20200523T152220_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_20200523T161611_20200523T162340_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_20200523T164747_20200523T164759_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_20200523T171134_20200523T171826_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_20200523T173050_20200523T173221_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_20200523T175522_20200523T180043_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_20200523T183849_20200523T183938_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_20200523T185426_20200523T185430_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_20200523T192653_20200523T192857_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_20200523T193414_20200523T193744_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_20200523T193745_20200523T194119_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_20200523T195457_20200523T200047_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_20200523T205847_20200523T210108_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_20200523T211821_20200523T212052_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

	Occor Alfinator Dange COUA SMU					
CS_OFFL_SIR_GOPR_2_20200523T224927_20200523T225823_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_20200523T234857_20200523T235125_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, where	nich are summarised below.					
> 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for pro	ducts over sea ice, which is to be expected	L				
Number of products with errors: 187						
5.8 L2 Ocean Retracking Quality Check						
L2 Retracking Flags (20Hz)						
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measure	ement record. The bit value of this flag indic	ates any problems when set.				
Ocean Retracking Quality Flag: This flag is currently set for products over land a	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: 51						
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 G	OPR and GOPN products over sea ice, but	this is to be expected.				
Number of products with errors: 152						
6. GOP L2	Pole-to-Pole Data Quality	/ Check				
6.1 P2P Product Format Check						
Each product, retrieved and unpacked from the science server, is checked to ensu	ure it consists of both an XML header file (.	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 Number of products with errors: 0	PH in order to identity any inconsistencies a	ind/or errors raised by the ground-segment processing chain.				
6.3 P2P Auxiliary Data File Usage Check						
Each product is checked for missing Data Set Descriptors with respect to a pre-de	etermined baseline and also to check the va	lidity of Auxiliary Data Files is correct.				
Number of products with errors: 0						
6.4 P2P Auxiliary Correction Error Check						
For all products, the auxiliary corrections within the Geophysical Group are checked	ed for the default error value (32767).					
Currently, there are some common auxiliary correction errors raised in the L followed by a table highlighting any additional issues which may arise from		to surface type. All common flags are summarised in the list below,				
> ECMWF Meteo Corrections: Currently the following corrections are not compu 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- bias of the pro- bias of	oducts over sea ice, but this is to be expecte	ed.				
> Altimetric Wind Speed Error: The error value is currently set for products over	land and sea ice, but this is to be expected	1.				
Number of products with errors: 29						
Product	Test Failed	Description				
CS_OFFL_SIR_GOP_2_20200522T234532_20200523T003510_C002	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records				
CS_OFFL_SIR_GOP_2_20200523T003510_20200523T012445_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_20200523T012445_20200523T021424_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records				
CS_OFFL_SIR_GOP_2_20200523T021424_20200523T030359_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_20200523T030359_20200523T035337_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_220200523T035337_20200523T044313_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_220200523T044313_20200523T053251_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records				
CS_OFFL_SIR_GOP_2_20200523T053251_20200523T062226_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	There is an error with the MSS height (solution 1) and the Mean Dynamic				
CS_OFFL_SIR_GOP_220200523T062226_20200523T071204_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: EES) and the Non-equilibrium Long Period Ocean Tide height				
CS_OFFL_SIR_GOP_220200523T071204_20200523T080140_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				

	1	
CS_OFFL_SIR_GOP_2_20200523T080140_20200523T085118_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_20200523T085118_20200523T094053_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_20200523T094053_20200523T103031_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_20200523T103031_20200523T112007_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_20200523T112007_20200523T120945_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_20200523T120945_20200523T125921_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_20200523T125921_20200523T134859_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_20200523T134859_20200523T143834_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_20200523T143834_20200523T152812_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_20200523T152812_20200523T161748_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20200523T161748_20200523T170726_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_20200523T170726_20200523T175701_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_20200523T175701_20200523T184639_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_20200523T184639_20200523T193615_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_20200523T193615_20200523T202553_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_20200523T202553_20200523T211528_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_20200523T211528_20200523T220507_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_20200523T220507_20200523T225442_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_220200523T225442_20200523T234420_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. 0

6.6 P2P Measurement Quality Flag Check							
P2P Quality Flags (20Hz)							
CryoSat P2P data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.							
Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.							
Number of products with errors:	30						
P2P Quality Flags (20Hz PLRM)							
Since the P2P Quality Flags are copied directly fr	om the L2 Quality Flags, please see Section 5.6 for the full list of products affected.						
Number of products with errors:	29						
P2P Quality Flags (1 Hz & 1Hz PLRM)							
Since the P2P Quality Flags are copied directly fr	om the L2 Quality Flags, please see Section 5.6 for the full list of products affected.						
Number of products with errors:	30						
6.8 P2P Ocean Retracking Quality C	Check						
P2P Retracking Flags (20Hz)							
Cryosat P2P data includes an ocean retracking quali	ty flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.						
Ocean Retracking Quality Flag (PLRM): This flag i	s currently set for products GOPR and GOPN products over sea ice, but this is to be expected.						
Number of products with errors:	24						
P2P Retracking Flags PLRM							
CryoSat L2 data includes an ocean retracking quality	flag for each 20-Hz PLRM measurement record. The bit value of this flag indicates any problems when set.						
Ocean Retracking Quality Flag (PLRM): This flag i	s currently set for products GOPR and GOPN products over sea ice, but this is to be expected.						
Number of products with errors:	30						

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	166	166	5	161	0
SIR_GOPR1B	119	119	0	119	0
SIR_GOPN1B	104	104	1	103	0
SIR_GOPM_2	166	166	115	51	0
SIR_GOPR_2	119	119	31	87	1
SIR_GOPN_2	104	104	39	65	0
SIR_GOP_P2P	29	29	0	28	1

7.1 QCC Errors

Number of QCC reports with errors: 2											
Total number of occurrences of each error											
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOPR_2	1	1	1	1							
		·									
Product Type	RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_GOP_2_	1	1	1	1							
Test Descriptio	n Key:										
Abbreviation	Test	name		Details	betails						
RLOBOPNCDF	Range	LatitudeOrBlankOP	7NetCDF	Latitude should be between -90E7 and 90E7							
RL	Range	Latitude_7		Latitude should be between -90E7 and 90E7							
RLOBOPNCDF	Range	LongitudeOrBlankOl	P_7NetCDF	Longitude should be between -180E7 and 180E7							

Longitude should be between -180E7 and 180E7 RL RangeLongitude_7

7.2 QCC Warnings

Product Type SIR_GOPM1B SIR_GOPM_2 SIR_GOPN1B SIR_GOPN_2				ber of occurrences of ea			
SIR_GOPM_2 SIR_GOPN1B	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRM
SIR_GOPN1B	161	0	0	0	0	0	0
_	0	0	29	31	0	45	0
SIR_GOPN_2	102	0	0	0	0	0	0
	0	0	11	38	4	31	30
SIR_GOPR1B	113	0	0	0	0	0	0
SIR_GOPR_2	0	1	40	50	0	37	38
	RBSZOPOEPNCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF	RPEPOPLRMNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
	40	25	0	0	0	0	24
SIR_GOPN1B	0	0	0	0	0	0	0
SIR_GOPN_2	22	0	0	27	0	37	0
SIR_GOPR1B	0	0	0	0	0	0	0
SIR_GOPR_2	17	0	49	0	58	0	0
Due du st Trues	DDEDODS A DNODE	DDEDODSINNCDE	DESDCONCDE	DSSUAOEDNODE		DSSUAONODE	DOWLOEDEDNODE
Product Type	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF	RSWHOEPFDNCDF
SIR_GOPM1B	0	0	0	0	0	0	0
	0	0	5	22	0	1	30
-	0	0	0	0	0	0	0
SIR_GOPN_2	0	33	17	52	62	38	31
	0	0	0	0	0	0	0
SIR_GOPR_2	51	0	1	69	45	14	45
Broduct Type	RSWHOEPFDPLRMNCDF	PSWHOEPNCDE	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF	_	_
Product Type SIR GOPM1B	0	0	0	0	0	-	-
SIR GOPM 2	0	1	0	0	0		
	0	0	0	50	4		
-		20	0	0	0		
SIR_GOPN_2	35			-	·		
SIR_GOPR1B	0	0	0	119	3		
SIR_GOPR_2	54	6	3	0	0		
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCI	RBSZOPOEPNCDF
SIR GOP 2	18	29	29	5	29	17	29
				-			
Product Type	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_GOP_2_	15	28	23	17	29	18	24
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF		SPHLPQWNCDF	-	-	-
SIR_GOP_2_	29	18	20	29			
est Description Key:							
bbreviation	Test name	205		Details	and the second terms of the second		
CSHNCDF	BurstCounterStep20HzNetC	JDF		The burst counter should be	e one higher with regard to th	e previous burst counter	
DHHMOOR	IndexOf1Hzin20HzMapping	OutOfRange		The mapping of 20 Hz to 1	Hz measurements should be	in the range 0 to (number of	1 Hz samples - 1)
VIOEPFDNCDF	MissingValueIntOceanExclu	udingPolarED2NetCDE	NetCDF The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				-70 and 70 degrees
INIGELLE BIODE	-	-				-	-
	MissingValueIntOceanExclu	udingPolarNetCDF		The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees			
IVIOEPNCDF	MissingValueIntOceanNetCDF					- 0	
	MissingValueIntOceanNetC	DF		The value should not be a 'r	missing value' for surface typ	e u oniy	
	-		D2NetCDE				e type = ocean for latitud
IVIONCDF BSZOPOEPFDNCDF	RangeBackscatterSigmaZe	roOPOceanExcludingPolarF		The backscatter sigma zero between -70 and 70 degree	should be between 700 and s	7500 (or missing) for surface	
IVIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM	-	roOPOceanExcludingPolarF		The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero	should be between 700 and s should be between 700 and		
IVIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF	RangeBackscatterSigmaZe RangeBackscatterSigmaZe	roOPOceanExcludingPolarF	D2PLRMNetCDF	The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree	should be between 700 and s should be between 700 and s	7500 (or missing) for surface	e type = ocean for latitud
IVIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF	RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe	roOPOceanExcludingPolarF roOPOceanExcludingPolarF roOPOceanExcludingPolarN	D2PLRMNetCDF	The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree	should be between 700 and s should be between 700 and s should be between 700 and s	7500 (or missing) for surface 7500 (or missing) for surface 7500 (or missing) for surface	e type = ocean for latitud e type = ocean for latitud
IVIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF	RangeBackscatterSigmaZe RangeBackscatterSigmaZe	roOPOceanExcludingPolarF roOPOceanExcludingPolarF roOPOceanExcludingPolarN	D2PLRMNetCDF	The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree	should be between 700 and s should be between 700 and s should be between 700 and s	7500 (or missing) for surface	e type = ocean for latitud e type = ocean for latitud
IVIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF PEPOPFDLRMNCDF	RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf	roOPOceanExcludingPolarF roOPOceanExcludingPolarF roOPOceanExcludingPolarN	D2PLRMNetCDF	The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be b and 70 degrees The Peakiness should be b	should be between 700 and s should be between 700 and s should be between 700 and s etween 0 and 6400 (or missi	7500 (or missing) for surface 7500 (or missing) for surface 7500 (or missing) for surface	e type = ocean for latitud e type = ocean for latitud for latitudes between -70
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM BSZOPOEPNCDF PEPOPFDLRMNCDF PEPOPFDPLRMSAR CDF	RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangePeakinessExcludingf	roOPOceanExcludingPolarF roOPOceanExcludingPolarF roOPOceanExcludingPolarN PolarOPFD2LRMNetCDF PolarOPFD2PLRMSARNetC	D2PLRMNetCDF letCDF DF	The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be b and 70 degrees The Peakiness should be b and 70 degrees	should be between 700 and s should be between 700 and s should be between 700 and s etween 0 and 6400 (or missi etween 0 and 15000 (or missi	7500 (or missing) for surface 7500 (or missing) for surface 7500 (or missing) for surface 17500 (or surface type = ocean sing) for surface type = ocean	e type = ocean for latitud e type = ocean for latitud for latitudes between -70 n for latitudes between -7
IVIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF PEPOPFDLRMNCDF PEPOPFDPLRMSAR CDF PEPOPFDPLRMSINN	RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf	roOPOceanExcludingPolarF roOPOceanExcludingPolarF roOPOceanExcludingPolarN PolarOPFD2LRMNetCDF PolarOPFD2PLRMSARNetC	D2PLRMNetCDF letCDF DF	The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be b and 70 degrees The Peakiness should be b and 70 degrees	should be between 700 and s should be between 700 and s should be between 700 and s etween 0 and 6400 (or missi etween 0 and 15000 (or missi	7500 (or missing) for surface 7500 (or missing) for surface 7500 (or missing) for surface ng) for surface type = ocean	e type = ocean for latitud e type = ocean for latitud for latitudes between -70 n for latitudes between -7
IVIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF PEPOPFDLRMNCDF PEPOPFDPLRMSAR CDF	RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangePeakinessExcludingf	roOPOceanExcludingPolarF roOPOceanExcludingPolarF roOPOceanExcludingPolarN PolarOPFD2LRMNetCDF PolarOPFD2PLRMSARNetCI PolarOPFD2PLRMSINNetCI	D2PLRMNetCDF letCDF DF	The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be b and 70 degrees The Peakiness should be b and 70 degrees The Peakiness should be b and 70 degrees The Peakiness should be b	should be between 700 and s should be between 700 and s should be between 700 and s etween 0 and 6400 (or missi etween 0 and 15000 (or miss etween 0 and 90000 (or miss	7500 (or missing) for surface 7500 (or missing) for surface 7500 (or missing) for surface 17500 (or surface type = ocean sing) for surface type = ocean	a type = ocean for latitud a type = ocean for latitud for latitudes between -70 n for latitudes between -7 n for latitudes between -7
IVIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF PEPOPFDLRMNCDF PEPOPFDPLRMSINN DF PEPOPFDPLRMSINN DF	RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf	roOPOceanExcludingPolarF roOPOceanExcludingPolarF roOPOceanExcludingPolarP PolarOPFD2LRMNetCDF PolarOPFD2PLRMSARNetC PolarOPFD2PLRMSINNetCI PolarOPFD2SARNetCDF	D2PLRMNetCDF letCDF DF	The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be b and 70 degrees The Peakiness should be b and 70 degrees The Peakiness should be b and 70 degrees The Peakiness should be b and 70 degrees	should be between 700 and s should be between 700 and s should be between 700 and s etween 0 and 6400 (or missi etween 0 and 15000 (or missi etween 0 and 90000 (or missi etween 0 and 15000 (or missi	7500 (or missing) for surface 7500 (or missing) for surface 7500 (or missing) for surface ng) for surface type = ocean sing) for surface type = ocean sing) for surface type = ocean sing) for surface type = ocean	e type = ocean for latitud e type = ocean for latitud for latitudes between -70 n for latitudes between -7 n for latitudes between -7 n for latitudes between -7
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF PEPOPFDLRMNCDF PEPOPFDPLRMSAR CDF PEPOPFDPLRMSINN DF	RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf	roOPOceanExcludingPolarF roOPOceanExcludingPolarF roOPOceanExcludingPolarP PolarOPFD2LRMNetCDF PolarOPFD2PLRMSARNetCD PolarOPFD2PLRMSINNetCDF PolarOPFD2SARNetCDF PolarOPFD2SINNetCDF	D2PLRMNetCDF letCDF DF	The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be b and 70 degrees The Peakiness should be b and 70 degrees	should be between 700 and s should be between 700 and s should be between 700 and s etween 0 and 6400 (or missi etween 0 and 15000 (or missi etween 0 and 15000 (or missi etween 0 and 15000 (or missi etween 0 and 90000 (or missi	7500 (or missing) for surface 7500 (or missing) for surface 7500 (or missing) for surface ng) for surface type = ocean sing) for surface type = ocean	e type = ocean for latitud e type = ocean for latitud for latitudes between -70 n for latitudes between -7 n for latitudes between -7 n for latitudes between -7 n for latitudes between -7
VIONCDF BSZOPOEPFDNCDF BSZOPOEPFDPLRM CDF BSZOPOEPNCDF PEPOPFDLRMNCDF PEPOPFDPLRMSINN DF PEPOPFDPLRMSINN DF PEPOPFDSARNCDF	RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangeBackscatterSigmaZe RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf RangePeakinessExcludingf	roOPOceanExcludingPolarF roOPOceanExcludingPolarF roOPOceanExcludingPolarP PolarOPFD2LRMNetCDF PolarOPFD2PLRMSARNetCD PolarOPFD2PLRMSINNetCDF PolarOPFD2SARNetCDF PolarOPFD2SINNetCDF	D2PLRMNetCDF letCDF DF	The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The backscatter sigma zero between -70 and 70 degree The Peakiness should be b and 70 degrees The Peakiness should be b and 70 degrees	should be between 700 and s should be between 700 and s should be between 700 and s etween 0 and 6400 (or missi etween 0 and 15000 (or missi etween 0 and 15000 (or missi etween 0 and 15000 (or missi etween 0 and 90000 (or missi	7500 (or missing) for surface 7500 (or missing) for surface 7500 (or missing) for surface ng) for surface type = ocean sing) for surface type = ocean sing) for surface type = ocean sing) for surface type = ocean	e type = ocean for latitud e type = ocean for latitud for latitudes between -70 n for latitudes between -7 n for latitudes between -7 n for latitudes between -7 n for latitudes between -7

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	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
RSWHOEPNCDF	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	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
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