

QA4EO Daily Report for GOP data:

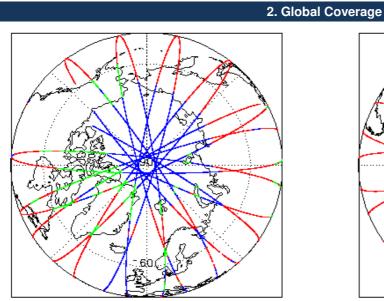
<u>04/10/2022</u>

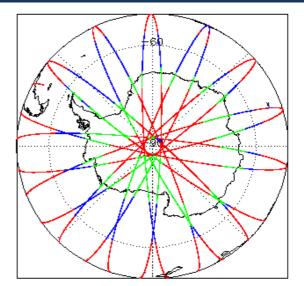
IDEAS-QA4E0

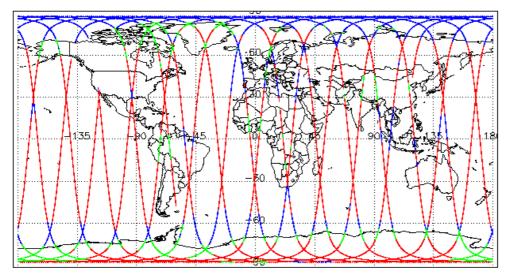
en est Dreduction.	10 Nov 9999	Check	L1 & L2	P2P
Report Production:	16-Nov-2022	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	Crucest Occar Brassager	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor useu:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
Data Useu:	L1B, L2 & P2P Science Data	Product Header Analysis	See Section 5.2	See Section 6.2
		Auxiliary Data File Usage Check	See Section 4.3 and 5.3	See Section 6.3
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
		QCC Error/ Warning Check	See Section 7.1, 7.2 and 7.3	See Section 7.1, 7.2 and 7.3

1. Overview

Mission / Instrument News		
03-Oct-2022	None	
04-Oct-2022	None	
05-Oct-2022	SIRAL unavailability from 18:48:33 to 20:37:50 due to an orbit manoeuvre	











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 NetCDF product file (.nc).

Number of products with errors:

4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and	d SPH in order to identify any incon	sistencies and/or errors raised by the ground-segment processing chain.		
L1B Processing Quality HR: The 11b_proc_flag_hr flag is currently set all L1B GOPR and GOPN products because the 11b_processing_quality_hr field is not correctly configured in the OSAR and				
OSARIn chains. A modification is required in the next release.				
Number of products with errors: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pro	e-determined baseline and also to o	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 hit value of this flag indicate	a any problems when est		
Number of products with errors: 0	a. The bit value of this hay indicate	s any problems when set.		
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurem	nent record. The bit value of this fla	ag indicates any problems when set.		
Attitude Correction Missing: This flag is currently set in error for GOPR proc				
Number of products with errors: 3	g			
Product	Test Felled	Beautinitian		
	Test Failed	Description There is an error in the scaling of the L1B waveform for one or more		
CS_OFFL_SIR_GOPM1B_20221004T054913_20221004T055011_C001	Power scaling error	records There is an error in the scaling of the L1B waveform for one or more		
CS_OFFL_SIR_GOPM1B_20221004T135841_20221004T140727_C001	Power scaling error	records There is an error in the scaling of the L1B waveform for one or more		
CS_OFFL_SIR_GOPM1B_20221004T183815_20221004T183840_C001	Power scaling error	records		
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record	d. The bit value of this flag indicates	s any problems when set.		
Loss of Echo Flag: This flag is currently set for some products over land, but	-			
Number of products with errors: 22				
Product	Test Failed	Description		
CS_OFFL_SIR_GOPM1B_20221004T002820_20221004T003032_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPM1B_20221004T081211_20221004T084752_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPM1B_20221004T101320_20221004T102454_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPM1B_20221004T232443_20221004T234013_C001 CS_OFFL_SIR_GOPN1B_20221004T003033_20221004T003602_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
CS OFFL SIR GOPN1B 20221004T071730 20221004T071840 C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20221004T072643_20221004T072741_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20221004T103908_20221004T104022_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20221004T121419_20221004T121524_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20221004T135333_20221004T135841_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20221004T152644_20221004T152715_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20221004T152828_20221004T152848_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20221004T184216_20221004T184307_C001 CS_OFFL_SIR_GOPN1B_20221004T202442_20221004T202723_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records		
5. Gt	OP Level 2 Data Qua	llity Check		
5.1 L2 Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to	ensure it consists of both an XML h	neader file (.HDR) and a NetCDF product file (.nc).		
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 incon	sistencies and/or errors raised by the around-segment processing chain		
For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0				
5.3 L2 Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pri	e-determined baseline and also to	check the validity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
5.4 L2 Auxiliary Correction Error Check				
For all products, the auxiliary corrections within the Geophysical Group are che	ecked for the default error value (32	2767).		
	ne Level 2 products that are expo	ected, 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 t	to be expected.		
> Altimetric Wind Speed Error: The error value is currently set for products of	over land and sea ice, but this is to	be expected.		
Number of products with errors: 56				

Number of products with errors:

Product

CS_OFFL_SIR_GOPM_2_20221004T001552_20221004T002656_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPM_2_20221004T114744_20221004T115706_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_20221004T122055_20221004T123454_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_20221004T232443_20221004T234013_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), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20221004T003033_20221004T003602_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_20221004T012904_20221004T013238_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_20221004T021033_20221004T021424_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_20221004T031015_20221004T031157_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_20221004T061925_20221004T062046_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_20221004T062614_20221004T062927_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_20221004T075856_20221004T080010_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_20221004T080512_20221004T080830_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_20221004T093948_20221004T094224_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_20221004T094417_20221004T095043_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_20221004T103504_20221004T103624_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20221004T111734_20221004T112121_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_20221004T121419_20221004T121524_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_20221004T125720_20221004T125916_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_20221004T135333_20221004T135841_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOPN_2_20221004T143654_20221004T143812_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_20221004T161822_20221004T162019_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), the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20221004T175606_20221004T175929_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_20221004T180453_20221004T180611_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_20221004T185455_20221004T185824_C001	Mean Dynamic Topography (1), 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 (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_GOPN_2_20221004T193506_20221004T193826_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_20221004T202442_20221004T202723_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_20221004T212222_20221004T212350_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_20221004T220523_20221004T220625_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_20221004T225942_20221004T230145_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_20221004T234325_20221004T234541_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_20221004T003602_20221004T003724_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_20221004T003724_20221004T004254_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_GOPR_2_20221004T005714_20221004T010456_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_20221004T021425_20221004T021932_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_20221004T035136_20221004T035959_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_20221004T053037_20221004T053810_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_20221004T054726_20221004T054912_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_20221004T070821_20221004T071604_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_20221004T071604_20221004T071730_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_20221004T084819_20221004T085504_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_20221004T085504_20221004T085824_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_20221004T102753_20221004T103353_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_20221004T103353_20221004T103504_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_20221004T111635_20221004T111733_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_GOPR_2_20221004T114544_20221004T114709_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_20221004T120743_20221004T120927_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_20221004T120949_20221004T121419_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_20221004T134634_20221004T135333_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_20221004T152848_20221004T153353_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_20221004T165649_20221004T165737_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_20221004T170246_20221004T170417_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_20221004T170705_20221004T171556_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_20221004T184639_20221004T185454_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_20221004T202724_20221004T203504_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_20221004T220626_20221004T221335_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:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20221004T054912_20221004T055011_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20221004T135841_20221004T140727_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20221004T183815_20221004T183840_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20221003T235649_20221004T000738_C001	3 · · · ·	The Ocean Altimeter Range, SSHA, SWH 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_20221004T001552_20221004T002656_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_20221004T010456_20221004T011843_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_20221004T012233_20221004T012712_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_20221004T013504_20221004T020033_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_20221004T023414_20221004T025447_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_20221004T030245_20221004T030627_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_20221004T031347_20221004T034106_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_20221004T041054_20221004T043710_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_20221004T044048_20221004T044542_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_20221004T045427_20221004T052721_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_20221004T053855_20221004T054146_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_20221004T061234_20221004T061356_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_20221004T062046_20221004T062613_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_20221004T063342_20221004T065527_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_20221004T065701_20221004T070820_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_20221004T071840_20221004T072129_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_20221004T073820_20221004T075428_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_20221004T080010_20221004T080511_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_20221004T081211_20221004T084752_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_20221004T090955_20221004T093249_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_20221004T095201_20221004T100313_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_20221004T100326_20221004T100640_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_20221004T101320_20221004T102454_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_20221004T102722_20221004T102732_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_20221004T104023_20221004T105725_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_20221004T105937_20221004T111409_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_20221004T112419_20221004T112831_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_20221004T113055_20221004T114243_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_20221004T114744_20221004T115706_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_20221004T121811_20221004T121849_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_20221004T122055_20221004T123454_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_20221004T124150_20221004T125443_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_20221004T125917_20221004T130734_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_20221004T131103_20221004T132627_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_20221004T133324_20221004T133418_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_20221004T140834_20221004T143433_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_20221004T144055_20221004T144601_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_20221004T145055_20221004T151414_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_20221004T154629_20221004T161240_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_20221004T162019_20221004T162621_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_20221004T162943_20221004T165606_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_20221004T170418_20221004T170705_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_20221004T171925_20221004T175127_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_20221004T175929_20221004T180453_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_20221004T180958_20221004T181246_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_20221004T184307_20221004T184638_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_20221004T185824_20221004T190733_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_20221004T191018_20221004T193138_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_20221004T193938_20221004T194345_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_20221004T194911_20221004T195958_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_20221004T200038_20221004T200521_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_20221004T201424_20221004T201514_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_20221004T202328_20221004T202355_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_20221004T203505_20221004T211020_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_20221004T211340_20221004T211832_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_20221004T211852_20221004T212222_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_20221004T212932_20221004T220114_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_20221004T220258_20221004T220522_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_20221004T221542_20221004T222814_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_20221004T223256_20221004T223347_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_20221004T223402_20221004T224949_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_20221004T225218_20221004T225731_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_20221004T225750_20221004T225803_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_20221004T225807_20221004T225941_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_20221004T230736_20221004T231958_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_20221004T232443_20221004T234013_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_20221004T235226_20221004T235528_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_20221004T012744_20221004T012750_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_20221004T020817_20221004T020940_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_20221004T071730_20221004T071840_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_20221004T220523_20221004T220625_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_20221004T034112_20221004T034139_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_20221004T061357_20221004T061924_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_20221004T084819_20221004T085504_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_20221004T111635_20221004T111733_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz 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.

87

Number of products with errors:

Product

Description

CSC OFFL_SR_QOPN_2_2022104/100199_2022104/1012932_0011 COOS Answer Range Oally F&R. The OCGIG Range and Backscatter Cualty Fage have bean set for nex CSC_OFFL_SR_QOPN_2_2022104/1012932_00211 Coose Allistee Farge_SBA, SWH, And Backscatter Cualty Fage have bean set for nex The OCGIG Range and Backscatter Cualty Fage have bean set for nex CSC_OFFL_SR_QOPN_2_2022104/1021932_002104/1021932_00210 Coose Allistee Farge_SBA, SWH The OCGIG Range and Backscatter Cualty Fage have bean set for nex CS_OFFL_SR_QOPN_2_2022104/1021932_002104/1021932_002104 Coose Allistee Farge_SBA, SWH The OCGIG Range and Backscatter Cualty Fage have bean set for nex CS_OFFL_SR_QOPN_2_2022104/1021932_0022104/1021932_002104/1021932_002104/1021932_002104/1021932_002104/1021932_002104/1021932_002104/1021932_002104/1021932_002104/1021932_002104/1021932_002104/1021932_002104/1021932_002104/1021932_002104/102193 The OCGIG Range and Backscatter Cualty Fage have been set for nex CS_OFFL_SR_QOPN_2_2022104/1021932_002104/1021932_002104/1021932_002104/1021932_002104/102193_00219 COOG Allineer Farge_SDA, SWH and Backscatter Cualty Fage have been set for nex CS_OFFL_SR_QOPN_2_2022104/1021932_002104/102193_002104/10219 COOG Allineer Farge_SDA, SWH and Backscatter Cualty Fage have been set for nex CS_OFFL_SR_QOPN_2_2022104/102193_002104/10219 COOG Allineer Farge_SDA, SWH and Backscatter Cualty Fage have been set for nex CS_OFFL_SR_QOPN_2_2022104/102192_002104/104492_0031 COOG Allineer Farge_SDA, SWH and Backscatter Cualty Fage have been
GS. OFFL. SIR. GOPN 2. 2822104TT02103.2022104TT02123.202104TT0213.202104TT0223.20011 00000 Allinger Parage Cually PLRM, The COOOD Runge and Backscatter Cually Plags have been self or one more records. 00000 Allinger Parage Cually PLRM, The COOOD Runge and Backscatter Cually Plags have been self or one more records. 00000 Allinger Parage Cually PLRM, Cually Plags have been self or one more records. 00000 Allinger Parage Cually P
Open Person Open Research Research Research
CS_OPPL_SIR_GOPN_2_2022104T02152.0_002104T02200_0001 Introduction comparison of the second compariso
ONE_PPT_SPL_GOPN_2_20221041041023183_0221041031915_0001 COOG Backscatter Quality Incommeter Frage SPL_A
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GS_OFFL_SIR_COPN_2_32221001716436_20221001716436_COIL Intel debacter: 0.0019 PLM_COIC Intel debacter: 0.0019 PLM_COIC Market Regins on Bischard Parings PLM_COIC The OCOI Regins and Bischard Parings PLM_COIC CS_OFFL_SIR_COPN_2_32221001723042_20221001723042_20221001722473_COIL COCO Attrivet Parings Qualty PLM, COIL The OCOI Regins and Bischard Parings PLM_COIL CS_OFFL_SIR_COPN_2_32221001723042_20221001722473_COIL COCO Attrivet Parings Qualty PLM, The Terror SIG COIL The OCOI Regins and Bischard Parings PLM_COIL CS_OFFL_SIR_COPN_2_322210017221432_COIL COCO Attrivet Parings Qualty PLM, The Terror SIG COIL The OCOI Regins and Bischard Parings PLM_COIL CS_OFFL_SIR_COPN_2_32221001722403_20221001722015_COIL COCO Attrivet Parings Qualty PLM, The Terror SIG COIL The OCOI Regins and Bischard Parings PLM_COIL CS_OFFL_SIR_COPN_2_32221001722604_20221001722015_COIL COCO Attrivet Parings Qualty PLM, The Terror SIG COIL The OCOIL Regins and Bischard Parings PLM_COIL CS_OFFL_SIR_COPN_2_322210017226042_20221001702701.5_COIL COCO Attrivet Parings Qualty PLM, The Terror SIG COIL The OCOIL Regins and Bischard Parings PLM_COIL CS_OFFL_SIR_COPN_2_322210017025042_20221001702701.5_COIL COCO Attrivet Parings Qualty PLM, The Terror SIG COIL The OCOIL Regins and Bischard Parings PLM_COIL CS_OFFL_SIR_COPN_2_322210017025042_COIL <td< td=""><td>CS_OFFL_SIR_GOPN_2_20221004T193506_20221004T193826_C001</td><td></td><td></td></td<>	CS_OFFL_SIR_GOPN_2_20221004T193506_20221004T193826_C001		
Corpert_Set_DOPPL_2_AD21004120082_0021004120082_0021 DCOG Bastesster Guilty more records CS_OFFL_SIR_COPPL_2_02210041202442_202210041202723_COD Anterner Range and Bastesster Guilty Flag Ind CoGA Alterner Range and Bastesster Guilty Flag CS_OFFL_SIR_COPPL_2_02210041220342_202210041221339_COD CCCCG Alterner Range and Bastesster Guilty Flag Ind CoCGA Alterner Range and Bastesster Guilty Flag CS_OFFL_SIR_COPPL_2_02210041220309_200210041220309_200210041220309_200210041220309_200210041203042_00001 CCCCG Alterner Range CoCGA Alterner Range SIAA_SW1 and Bastesster Guilty Flag CS_OFFL_SIR_COPPL_2_02210041220309_200210041203042_0001 CCCCG Alterner Range SIAA_SW1 and Bastesster Guilty Flag CS_OFFL_SIR_COPPL_2_00210041203042_0001 CCCCG Alterner Range SIAA_SW1 and Bastesster Guilty Flag CS_OFFL_SIR_COPPL_2_00210041203042_0001 CCCCG Alterner Range SIAA_SW1 and Bastesster Guilty Flag CS_OFFL_SIR_COPPL_2_00210041203042_0001 CCCCG Alterner Range SIAA_SW1 and Bastesster Guilty Flag CS_OFFL_SIR_COPPL_2_0021004100372_COD1 CCCCG Alterner Range Guilty Flag CS_OFFL_SIR_COPPL_2_0021004100372_COD1 CCCCG Alterner Range Guilty Flag CS_OFFL_SIR_COPPL_2_00210041004064_00221004100572_COD1 CCCCG Alterner Range Guilty Flag CS_OFFL_SIR_COPPL_2_00210041004064_00221004100572_COD1 CCCCG Alterner Range Guilty FLAG CCCCG Alterner Range Guilty FLAG	CS_OFFL_SIR_GOPN_2_20221004T194346_20221004T194509_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS OFFL_SIR_GOPN_2_20221004T22442_0221004T225252_0001 and Boxecentro Quily PLM. COOL induced non-memory security over and Boxecentro Quily PLM. COOL GS_OFFL_SIR_GOPN_2_20221004T22142_0021004T225807_0001 OCCG Altereter Range Quily PLM. COOL The OCOG Range and Boxecentro Quily PLM. COOL GS_OFFL_SIR_GOPN_2_20221004T225807_0001 OCCG Altereter Range Quily PLM. COOL The OCOG Range and Boxecentro Quily PLM. COOL GS_OFFL_SIR_GOPN_2_20221004T225807_0001 OCCG Altereter Range SSHA_SWH and Boxecentro Quily PLM. COOL The OCOG Range and Boxecentro Quily PLM. COOL GS_OFFL_SIR_GOPN_2_20221004T025942_0021014T225807_0001 OCCG Altereter Range SSHA_SWH and Boxecentro Quily PLM. COOL The OCOG Range and Boxecentro Quily PLM. COOL GS_OFFL_SIR_GOPN_2_20221004T005962_0021004T005742_0001 OCCGA Altereter Range SSHA_SWH and Boxecentro Quily PLM. COOL The OCOG Range and Boxecentro Quily PLM. COOL GS_OFFL_SIR_GOPR_2_20221004T0057842_0021004T005742_0001 OCCGA Altereter Range QUILY PLM. COOL The OCOG Range and Boxecentro Quily PLM. COOL GS_OFFL_SIR_GOPR_2_20221004T005794_0021004T005794_0001 OCCGA Altereter Range QUILY PLM. COOL The OCOG Range and Boxecentro Quily PLM. COOL GS_OFFL_SIR_GOPR_2_20221004T005794_0221004T005794_0001 OCCGA Altereter Range QUILY PLM. COOL The OCOG Range and Boxecentro Quily PLM. COOL GS_OFFL_SIR_GOPR_2_20221004T005794_0221004T005794_0001 OCCGA Alterete Range QUILY PLM. COOL The OCOG Range and	CS_OFFL_SIR_GOPN_2_20221004T200521_20221004T200846_C001		
Deck Deck Deck Bits Deck File File <th< td=""><td>CS_OFFL_SIR_GOPN_2_20221004T202442_20221004T202723_C001</td><td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td><td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td></th<>	CS_OFFL_SIR_GOPN_2_20221004T202442_20221004T202723_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
US. OFFL.SIR.GOPR 2.2022104122808.2002104122804.2001 OCOG Backscatter Quality more records CS. OFFL.SIR.GOPR 2.20221041722842.202210417230145.0001 Doesn Atimeter Range.SHA.SWH and Backscatter Quality Flags. CS_OFFL_SIR_GOPR 2.20221041702802.20221041703724_0001 Corean Atimeter Range.SHA.SWH and Backscatter Quality Flags. CS_OFFL_SIR_GOPR 2.20221041703802.20021041703724_0001 Corean Atimeter Range.SHA.SWH and Backscatter Quality Flags. CS_OFFL_SIR_GOPR 2.20221041703724_0001 COCG Atimeter Range Quality PLRM. CS_OFFL_SIR_GOPR 2.20221041703724_0001 COCG Atimeter Range Quality PLRM. CS_OFFL_SIR_GOPR 2.20221041705640_20221041703712_0001 COCG Atimeter Range Quality PLRM. CS_OFFL_SIR_GOPR 2.20221041705640_20221041704712_0001 COCG Atimeter Range Quality PLRM. CS_OFFL_SIR_GOPR 2.20221041705640_20221041704701466.0001 COCG Atimeter Range Quality PLRM. CS_OFFL_SIR_GOPR 2.20221041701466_0001 COCG Atimeter Range Quality PLRM. CS_OFFL_SIR_GOPR 2.20221041701466_0001 COCG Atimeter Range Quality PLRM. CS_OFFL_SIR_GOPR 2.20221041701466_0001 COCG Atimeter Range SHA.SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR 2.20221041701304_20021041701466_0001 COCG Atimeter Range SHA.SWH and Backscatter Quality Flags and the COCG Atimeter Range. SHA.SWH and Backscatter Quality Flags and the coccetter CS_OFFL_SIR_GOPR 2.20221041701304_20021041701480_0001 Cocca Atimeter Range.SHA.SWH and Backscatter Quality Flags and the coccetter <td>CS_OFFL_SIR_GOPN_2_20221004T211136_20221004T211339_C001</td> <td></td> <td></td>	CS_OFFL_SIR_GOPN_2_20221004T211136_20221004T211339_C001		
GS_OFFL_SIR_GOPR_2_2022104T028942_2022104T03504_2001 and Backscatter Quality PLRM, COCG income and Backscatter Quality Plays have been set for one or more records GS_OFFL_SIR_GOPR_2_20221004T003602_20221004T003724_0001 Cocan Atimister Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_GOPR_2_20221004T003602_20221004T003714_0001 OCCO Atimister Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_GOPR_2_20221004T004514_0001 OCCO Atimister Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_GOPR_2_20221004T005714_0001 OCCOA Atimister Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_GOPR_2_20221004T005714_20221004T005712_0001 OCCOA Atimister Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_GOPR_2_20221004T016540_20221004T0165712_0001 OCCOA Atimister Range SSIA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_GOPR_2_20221004T015261_0001 OCCOM Atimister Range, SSIA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records GS_OFFL_SIR_GOPR_2_20221004T01	CS_OFFL_SIR_GOPN_2_20221004T225803_20221004T225807_C001		
GS_OFFL_SIR_GOPR_2_2022104T003602_2022104T003724_C001 and Backscatter Quality PLRM_COCO And meter Parage Quality PLRM_COCO And meter Parage And Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_2022104T005640_2022104T005712_C001 OCCO Alimeter Range Quality PLRM_ OCCO Backscatter Quality PLRM_COCO Backscatter Quality PLRM_ROCO BACKSCATTER QUALITY PLRM	CS_OFFL_SIR_GOPN_2_20221004T225942_20221004T230145_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
US_OFFL_SIR_GOPR_2_20221004T005640_20221004T005712_C001 CCCG Backscatter Quality more records CS_OFFL_SIR_GOPR_2_20221004T005640_20221004T005712_C001 CCCG Altimeter Range Quality PLFM, CCCG Backscatter Quality The CCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T005714_20221004T010456_C001 CCCG Altimeter Range Quality PLFM, CCCG Backscatter Quality The CCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T011843_20221004T012018_C001 Cccan Altimeter Range Quality PLFM, OCCG Altimeter Range and Backscatter Quality The CCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T013238_20221004T013504_C001 Cccan Altimeter Range Quality PLFM, OCCG Altimeter Range Altimeter Range Altine CCGA Altimeter Range Altimeter Range Altimet	CS_OFFL_SIR_GOPR_2_20221004T003602_20221004T003724_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
US_OFFL_SIR_GOPR_2_202210041005914_202210041005912_C001 OCOG Backscatter Quality more records OS_OFFL_SIR_GOPR_2_202210041005714_202210041010456_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range, and Backscatter Quality FLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range, SSH	CS_OFFL_SIR_GOPR_2_20221004T004720_20221004T004818_C001		
CS_OFFL_SIR_GOPR_2_2022100410105714_202210041010586_0001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPR_2_202210041011843_202210041012018_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags 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_202210041013238_202210041013504_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004102033_202210041020202_0001 OCOG Batimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202210041025751_202210041030016_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202210041025751_202210041030016_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202210041035136_202210041035959_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202210041043711_202210041043924_0001 Matherer Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202210041043711_202210041043924_0001 Matherer Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_202210041043711_202210041043924_0001 Matherer Range, SSHA, SWH and Backscatter Quality Flags have been set for	CS_OFFL_SIR_GOPR_2_20221004T005640_20221004T005712_C001		
CS_OFFL_SIR_GOPR_2_20221004T011843_20221004T012018_C001 and Backscatter Quality PLRM, COCG Allimeter Hange and Backscatter Quality PLRM, COCG and Backscatter Quality Plags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T013238_20221004T013504_C001 Worker Hange and Backscatter Quality PLRM, COCG CS_OFFL_SIR_GOPR_2_20221004T020033_20221004T020020_C001 OCGG Altimeter Range Quality PLRM, COCG CS_OFFL_SIR_GOPR_2_20221004T020033_20221004T020020_C001 OCGG Altimeter Range Quality PLRM, COCG CS_OFFL_SIR_GOPR_2_20221004T025751_20221004T020020_C001 OCGG Altimeter Range, SSHA, SWH CS_OFFL_SIR_GOPR_2_20221004T025751_20221004T030016_C001 Ocean Altimeter Range, SSHA, SWH And Backscatter Quality The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPR_2_20221004T025751_20221004T035959_C001 Ocean Altimeter Range, SSHA, SWH Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality CS_OFFL_SIR_GOPR_2_20221004T045711_20221004T045924_C001 Mitmeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality <	CS_OFFL_SIR_GOPR_2_20221004T005714_20221004T010456_C001		
CS_OFFL_SIR_GOPR_2_20221004T013238_20221004T013504_C001 and Backscatter Quality PLRM, OCOG The Ocean Atlimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T020033_20221004T020202_C001 OCOG Atlimeter Range Quality PLRM, OCOG The Ocean Atlimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T025751_20221004T020020_C001 Ocean Atlimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T025751_20221004T030016_C001 Ocean Atlimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T035136_20221004T035959_C001 Ocean Atlimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T043711_20221004T043924_C001 Ocean Atlimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T045100_20221004T045212_C001 Ocean Atlimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T045212_20021004T045212_C001 Ocean Atlimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T045212_20021004T045212_C001 Ocean Atlimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_GOPR_2_20221004T045212_C001 Ocea	CS_OFFL_SIR_GOPR_2_20221004T011843_20221004T012018_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004102003_20221004102002_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPR_2_20221004T025751_20221004T030016_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimet	CS_OFFL_SIR_GOPR_2_20221004T013238_20221004T013504_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T025751_20221004T030016_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter	CS_OFFL_SIR_GOPR_2_20221004T020033_20221004T020202_C001		
CS_OFFL_SIR_GOPR_2_20221004T035136_20221004T035959_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20221004T043711_20221004T043924_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, 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 Alt	CS_OFFL_SIR_GOPR_2_20221004T025751_20221004T030016_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T043711_20221004T043924_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM In Bocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality 	CS_OFFL_SIR_GOPR_2_20221004T035136_20221004T035959_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T045100_20221004T045212_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality 	CS_OFFL_SIR_GOPR_2_20221004T043711_20221004T043924_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T045212_20221004T045427_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality PLRM OCean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM OCean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM OCEAN Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM OCEAN Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM OCEAN Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM OCEAN Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM OCEAN Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM OCEAN Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM OCEAN Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM OCEAN Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM OCEAN Attimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Fla	CS_OFFL_SIR_GOPR_2_20221004T045100_20221004T045212_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLBM_OCOG	CS_OFFL_SIR_GOPR_2_20221004T045212_20221004T045427_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T053037_20221004T053810_C001 Attimeter Range and Backscatter Quality PLNM, OCOG Attimeter Range and Backscatter Quality PLRM	CS_OFFL_SIR_GOPR_2_20221004T053037_20221004T053810_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPR_2_20221004108414/_20221004108434/_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_GOPR_2_20221004T061357_20221004T061924_C001 Decan Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Bac	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been s e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been s e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been s e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been s e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been s
CS_OFFL_SIR_GOPR_2_20221004T061357_20221004T061924_C001 and Backscatter Quality PLRM, CCCG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range and the OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range and the OCCG Altimet	ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been s
CS_OFFL_SIR_GOPR_2_20221004T062927_20221004T063342_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range CS_OFFL_SIR_GOPR_2_20221004T065527_20221004T065701_C001 Cean Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range CS_OFFL_SIR_GOPR_2_20221004T070821_20221004T071604_C001 Decan Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range CS_OFFL_SIR_GOPR_2_20221004T070821_20221004T075856_C001 Decan Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range CS_OFFL_SIR_GOPR_2_20221004T075429_20221004T075856_C001 Decan Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range CS_OFFL_SIR_GOPR_2_20221004T075429_20221004T075856_C001 Decan Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range CS_OFFL_SIR_GOPR_2_20221004T075429_20221004T081210_C001 Decan Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range CS_OFFL_SIR_GOPR_2_20221004T084819_20221004T085504_C001 Decan Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range CS_OFFL_SIR_GOPR_2_20221004T084819_20221004T085504_C001 Decan Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range CS_OFFL_SIR_GOPR_2_20221004T083250_20221004T083947_C001 Decan Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range CS_OFFL_SIR_GOPR_2_20221004T1083947_C001 Decan Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range	ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T065527_20221004T065701_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Attimeter Range and the OCOG Attimeter Ra	ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T070821_20221004T071604_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM	ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T075429_20221004T075856_C001 and Backscatter Quality PLRM, OCOG Atimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM, OCOG Atimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Atimeter Range, SSHA, SWH and the OCOG Atimeter Range and the OCOG Atimete	ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T080831_20221004T081210_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM and backscatter Quality PLRM, OCOG Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range set for one or more records CS_OFFL_SIR_GOPR_2_20221004T084819_20221004T085504_C001 Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range set for one or more records CS_OFFL_SIR_GOPR_2_20221004T093250_20221004T093947_C001 Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range set for one or more records CS_OFFL_SIR_GOPR_2_20221004T1093947_C001 Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range and the OCOG Altimeter Range and	ange and Backscatter Quality Flags have been e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T084819_20221004T085504_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM and Backscatter Quality PLRM and backscatter Quality PLRM CS_OFFL_SIR_GOPR_2_20221004T093250_20221004T093947_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range and the OCOG Altimeter Range to one or more records CS_OFFL_SIR_GOPR_2_20221004T093250_20221004T093947_C001 Attimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range and the OCOG Altimeter Range at the Ocean Altimeter Range at the Ocean Altimeter Range and the OCOG Altimeter Range and the OCOG Altimeter Range and the OCOG Altimeter Range and the OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range at the OCOG Altimeter Range at the OCOG Altimeter Range and the OCOG Altimeter	ange and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T093250_20221004T093947_C001 and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range CS_OFFL_SIR_GOPR_2_20221004T100839_20221004T101320_C001 and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range CS_OFFL_SIR_GOPR_2_20221004T100839_20221004T101320_C001 and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range	e. SSHA. SWH and Backscatter Quality Flags
CS_OFFL_SIR_GOPR_2_20221004T100839_20221004T101320_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality set for one or more records	ange and Backscatter Quality Flags have been
PLRM Set for one of more records	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T105725_20221004T105936_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality DLRM, or records	ckscatter Quality Flags have been set for one or
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20221004T183939_20221004T184201_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Bac more records	ckscatter Quality Flags have been set for one or
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
	e, SSHA, SWH and Backscatter Quality Flags ange and Backscatter Quality Flags have been
	ckscatter Quality Flags have been set for one or

CS_OFFL_SIR_GOPR_2_20221004T194510_20221004T194911_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_20221004T201514_20221004T201932_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_20221004T202724_20221004T203504_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_20221004T212351_20221004T212932_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_20221004T220626_20221004T221335_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_20221004T230145_20221004T230736_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_20221004T232120_20221004T232152_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_20221004T232247_20221004T232443_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_20221004T234541_20221004T235225_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 & 1 Hz PLRM)		
Currently, there are several common flags raised in the Level 2 produ	cts, which are summarised below.	
> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set	et for products over sea ice, which is to be expected	ed.
Number of products with errors: 178		
5.8 L2 Ocean Retracking Quality Check		
L2 Retracking Flags (20 Hz)		
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz m	easurement record. The bit value of this flag indicate	ates any problems when set.
Ocean Retracking Quality Flag: This flag is currently set for products over	er land and sea ice, but this is to be expected. The	number of products with this error flag set is given below.
Number of products with errors: 58		
L2 Retracking Flags (20 Hz PLRM)		
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz P		
Ocean Retracking Quality Flag (PLRM): This flag is currently set for proc	ducts GOPR and GOPN products over sea ice, but	t this is to be expected.
Number of products with errors: 137		
6. GOF	L2 Pole-to-Pole Data Quality	/ Check
6.1 P2P Product Format Check		
Each product, retrieved and unpacked from the science server, is checked	to ensure it consists of both an XML header file (.	HDB) and a NetCDE product file (pc)
		horry and a Netobri product me (.nc).
Number of products with errors: 0		
Number of products with errors: 0 6.2 P2P Product Header Analysis		
	and SPH in order to identify any inconsistencies a	
6.2 P2P Product Header Analysis	and SPH in order to identify any inconsistencies a	
6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH	and SPH in order to identify any inconsistencies a	
6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH Number of products with errors: 0		nd/or errors raised by the ground-segment processing chain.
6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check		nd/or errors raised by the ground-segment processing chain.
6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a Number of products with errors: 0		nd/or errors raised by the ground-segment processing chain.
6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check	a pre-determined baseline and also to check the va	nd/or errors raised by the ground-segment processing chain.
6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are Currently, there are some common auxiliary correction errors raised	a pre-determined baseline and also to check the va checked for the default error value (32767). In the Level 2 products that are expected, due to	Ind/or errors raised by the ground-segment processing chain.
6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are Currently, there are some common auxiliary correction errors raised followed by a table highlighting any additional issues that may arise > ECMWF Meteo Corrections: Currently the following corrections are not Correction and the U-Wind and V-Wind components of the ECMWF model	a pre-determined baseline and also to check the va checked for the default error value (32767). in the Level 2 products that are expected, due to from this test. computed over CONTINENTAL ICE: Dry Troposp	Ind/or errors raised by the ground-segment processing chain. Alidity of Auxiliary Data Files is correct.
6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are Currently, there are some common auxiliary correction errors raised followed by a table highlighting any additional issues that may arise > ECMWF Meteo Corrections: Currently the following corrections are not	a pre-determined baseline and also to check the va checked for the default error value (32767). in the Level 2 products that are expected, due to from this test. computed over CONTINENTAL ICE: Dry Troposp wind vector. This is a known anomaly (CRYO-CO	Ind/or errors raised by the ground-segment processing chain. Alidity of Auxiliary Data Files is correct.
6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are Currently, there are some common auxiliary correction errors raised followed by a table highlighting any additional issues that may arise > ECMWF Meteo Corrections: Currently the following corrections are not Correction and the U-Wind and V-Wind components of the ECMWF mode not reported in the table below.	a pre-determined baseline and also to check the va checked for the default error value (32767). In the Level 2 products that are expected, due to from this test. computed over CONTINENTAL ICE: Dry Troposp wind vector. This is a known anomaly (CRYO-CO	Ind/or errors raised by the ground-segment processing chain. Alidity of Auxiliary Data Files is correct. It o surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric P-3) and will be resolved in a future IPF update. The affected products are ed.
6.2 P2P Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are Currently, there are some common auxiliary correction errors raised followed by a table highlighting any additional issues that may arise > ECMWF Meteo Corrections: Currently the following corrections are not Correction and the U-Wind and V-Wind components of the ECMWF model > Sea State Bias & Sea State Bias PLRM: The error value is currently set	a pre-determined baseline and also to check the va checked for the default error value (32767). In the Level 2 products that are expected, due to from this test. computed over CONTINENTAL ICE: Dry Troposp wind vector. This is a known anomaly (CRYO-CO	Ind/or errors raised by the ground-segment processing chain. Alidity of Auxiliary Data Files is correct. It o surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric P-3) and will be resolved in a future IPF update. The affected products are ed.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220221003T234815_20221004T003754_C002	Topography (1), Total Geocentric Ocean	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20221004T003754_20221004T012730_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_20221004T012730_20221004T021708_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_20221004T021708_20221004T030645_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_20221004T030645_20221004T035623_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_20221004T035623_20221004T044600_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_20221004T044600_20221004T053538_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_20221004T053538_20221004T062514_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_20221004T062514_20221004T071452_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_20221004T071452_20221004T080429_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_20221004T080429_20221004T085407_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_20221004T085407_20221004T094343_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_20221004T094343_20221004T103322_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_20221004T103322_20221004T112258_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20221004T112258_20221004T121236_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_20221004T121236_20221004T130213_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_20221004T130213_20221004T135151_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_20221004T135151_20221004T144127_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20221004T144127_20221004T153106_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_20221004T153106_20221004T162042_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), 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_20221004T162042_20221004T171020_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_20221004T171020_20221004T175957_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_20221004T175957_20221004T184935_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_20221004T184935_20221004T193911_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), 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_20221004T193911_20221004T202850_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_20221004T202850_20221004T211826_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_20221004T211826_20221004T220804_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_20221004T220804_20221004T225741_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_20221004T225741_20221004T234719_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), 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_20221004T234719_20221005T003655_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.

3

Number of products with errors:

Product
 Test Failed
 Description

 CS_OFFL_SIR_GOP_2_20221004T053538_20221004T062514_C001
 Power scaling error
 There is an error in the scaling of the L2 waveform for one or more records

CS_OFFL_SIR_GOP_220221004T135151_20221004T144127_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOP_2_20221004T175957_20221004T184935_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check	
P2P Quality Flags (20 Hz)	
CryoSat P2P data includes Quality Flags for e	ach 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.
Since the P2P Quality Flags are copied dire	ectly from 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 (20 Hz PLRM)	
Since the P2P Quality Flags are copied dire	ectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.
Number of products with errors:	30
P2P Quality Flags (1 Hz & 1 Hz PL	RM)
Since the P2P Quality Flags are copied dire	ectly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.
Number of products with errors:	30
6.8 P2P Ocean Retracking Qua	lity Check
P2P Retracking Flags (20 Hz)	
Cryosat P2P data includes an ocean retrackin	g quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.
Ocean Retracking Quality Flag (PLRM): Thi	s flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.
Number of products with errors:	28
P2P Retracking Flags PLRM	
CryoSat L2 data includes an ocean retracking	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): Thi	s flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.
Number of products with errors:	30