

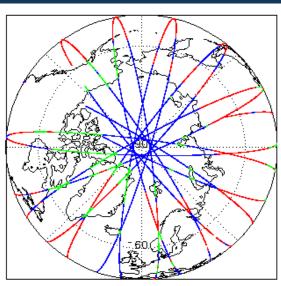
1. Overview

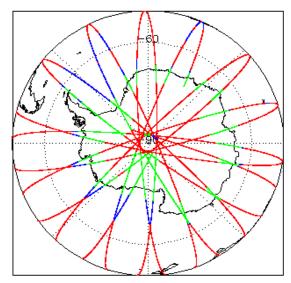
Report Production:	27-Mar-2020	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP L1B, L2 & P2P Science Data	

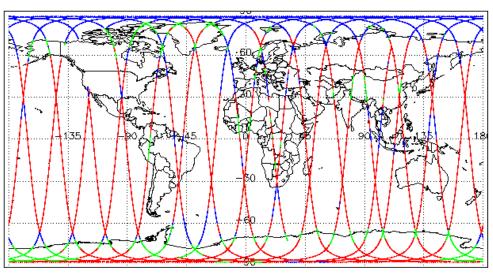
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Measurement Confidence Data Check	See Section 4.5, 4.6 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

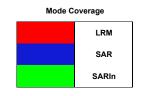
Mission / Instrument News		
24-Feb-2020	None	
25-Feb-2020	None	
26-Feb-2020	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B GOPR and GOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

Number of products with errors:

4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

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

0

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

Attitude Correction Missing: This flag is currently set in error for GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20200225T101512_20200225T102949_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of products with errors: 15

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20200225T032025_20200225T035505_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200225T092855_20200225T093715_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20200225T114050_20200225T115211_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200225T103036_20200225T103215_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200225T113418_20200225T113625_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200225T130907_20200225T131410_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200225T140129_20200225T140402_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200225T144211_20200225T144244_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200225T175735_20200225T175828_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200225T194005_20200225T194252_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20200225T225851_20200225T230106_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200225T162125_20200225T163129_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200225T193741_20200225T194004_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200225T221711_20200225T222255_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20200225T232842_20200225T233021_C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

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

Number of products with errors:

0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

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

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

CQCPT_SR_COMP_2-DESCONDENDED_RESTORMED_DOSS CQCRT_SR_COMP_2-DESCONDENDED_RESTORMED_DOSS CQCRT_SR_COMP_2-DESCO	Product	Test Failed	Description
Segment of the Community of the Communit	CS_OFFL_SIR_GOPM_2_20200225T085759_20200225T085952_C001	GPD Wet Tropospheric Correction	
Section of the control of the contro	CS_OFFL_SIR_GOPM_2_20200225T090631_20200225T092235_C001	GPD Wet Tropospheric Correction	
SOUTH_DRIFT_CONTENTS TO ANY MATERIAL CONTINUES TO THE CONTINUES TO ANY MATERIAL CONTINUES TO THE CONTINUES TO ANY MATERIAL	CS_OFFL_SIR_GOPM_2_20200225T092238_20200225T092413_C001	GPD Wet Tropospheric Correction	·
The property of the Community of the Com	CS_OFFL_SIR_GOPM_2_20200225T092855_20200225T093715_C001	GPD Wet Tropospheric Correction	
So, OFT, SR, COPM, 2, 2020222100400 (2000225108411 COD) GPO West Tracopsphere Commission move in the CRFD with Tracopsphere connection for one or move records. GPO West Tracopsphere Commission move the CRFD with Tracopsphere connection for one or move records. GPO West Tracopsphere Commission move the CRFD with Tracopsphere connection for one or move records. GPO West Tracopsphere Commission move the CRFD with Tracopsphere connection for one or move records. GPO West Tracopsphere Commission move the CRFD with Tracopsphere connection for one or move the CRFD with Tracopsphere Commission move the CRFD with Tracopsphere CRFD with Tracopsphere CRFD with Tracopsphere CRFD with Tracopsphere CRFD with Trac	CS_OFFL_SIR_GOPM_2_20200225T094025_20200225T094028_C001	GPD Wet Tropospheric Correction	
CB_OFFL_BIR_GOPN_2_20000225109459_20000225109459_C001 CB_OFFL_BIR_GOPN_2_20000225109459_C000225109459_C001 CB_OFFL_BIR_GOPN_2_20000225109459_C0000225109459_C001 CB_OFFL_BIR_GOPN_2_20000225109459_C0000225109459_C001 CB_OFFL_BIR_GOPN_2_20000225109459_C0000225109459_C001 CB_OFFL_BIR_GOPN_2_20000225109459_C0000225109459_C001 CB_OFFL_BIR_GOPN_2_20000225109459_C0000225109459_C001 CB_OFFL_BIR_GOPN_2_20000225109459_C0000225109459_C001 CB_OFFL_BIR_GOPN_2_20000225109459_C0000225109459_C001 CB_OFFL_BIR_GOPN_2_20000225109459_C0000225109459_C001 CB_OFFL_BIR_GOPN_2_2000022510959_C0000225109459_C001 CB_OFFL_BIR_GOPN_2_2000022510959_C000022510959_C001 CB_OFFL_BIR_GOPN_2_2000022510959_C00002510959_C001 CB_OFFL_BIR_GOPN_2_2000022510959_C0000	CS_OFFL_SIR_GOPM_2_20200225T094031_20200225T094048_C001	GPD Wet Tropospheric Correction	
So, OFTL, SIR, GOPM 2, 20000251044012, 20000251094042, 20000251094042, 20000251094042, 20000251094042, 20000251094042, 20000251094042, 20000251094042, 20000251094042, 20000251094044, 20000251094042, 20000251094042, 200002510940444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 2000025109404444, 20000251094044444, 20000251094	CS_OFFL_SIR_GOPM_2_20200225T094051_20200225T094111_C001	GPD Wet Tropospheric Correction	
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The last of the control of the last of the	CS_OFFL_SIR_GOPM_2_20200225T094142_20200225T094219_C001	GPD Wet Tropospheric Correction	
Set View Inspectation Correction GPU Well Trapsopheric Correction GPU We	CS_OFFL_SIR_GOPM_2_20200225T094222_20200225T094229_C001	GPD Wet Tropospheric Correction	
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CS_OFFL_SIR_GOPN_2_20200225T153349_20200225T153550_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 CS_OFFL_SIR_GOPN_2_20200225T171137_20200225T171458_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1). Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records 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 There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (2) There is an error with the Mean Dynamic Topography (3) There is an error with the Mean Dynamic Topography (5) There is an error with the Mean Dynamic Topography (6) There is an error with the Mean Dynamic Topography (7) There is an error with the Mean Dynamic Topography (8) There is an error with the Mean Dynamic Topography (9) There is an error with the Mean Dynamic Topography (9)	CS_OFFL_SIR_GOPN_2_20200225T130907_20200225T131410_C001	Topography (1), Total Geocentric Ocean	Topography height (solution 1) and the Total Geocentric Ocean Tide
Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide for one or more records CS_OFFL_SIR_GOPN_2_20200225T171137_20200225T171458_C001 Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (a) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (b) There is an error with the MSS height (solution 1) for one or more records There is an error with the MSS height (solution 1) for one or more records	CS_OFFL_SIR_GOPN_2_20200225T135225_20200225T135344_C001	Mean Dynamic Topography (1)	
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	CS_OFFL_SIR_GOPN_2_20200225T171137_20200225T171458_C001		
	CS_OFFL_SIR_GOPN_2_20200225T172021_20200225T172139_C001	Mean Dynamic Topography (1)	

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CS_OFFL_SIR_GOPN_2_20200225T221506_20200225T221711_C001 CS_OFFL_SIR_GOPN_2_20200225T221506_20200225T221711_C001 CS_OFFL_SIR_GOPN_2_20200225T225851_20200225T220106_C001 CS_OFFL_SIR_GOPN_2_20200225T225851_20200225T230106_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Topography (1) Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Topography (1) Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for one or more records
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or more records
CS_OFFL_SIR_GOPR_2_20200225T001222_20200225T002037_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for more records
CS_OFFL_SIR_GOPR_2_20200225T013004_20200225T013510_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_20200225T030704_20200225T031543_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_20200225T044703_20200225T045557_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_20200225T045731_20200225T045929_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for or more records
CS_OFFL_SIR_GOPR_2_20200225T050310_20200225T050455_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for or more records
CS_OFFL_SIR_GOPR_2_20200225T062121_20200225T063141_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_20200225T063141_20200225T063308_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_20200225T080351_20200225T081039_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_20200225T081039_20200225T081625_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_20200225T090618_20200225T090630_C001 GPD Wet Tropospheric Correction There is an error with the GPD Wet Tropospheric correction more records
CS_OFFL_SIR_GOPR_2_20200225T092413_20200225T092854_C001 GPD Wet Tropospheric Correction There is an error with the GPD Wet Tropospheric correction more records
CS_OFFL_SIR_GOPR_2_20200225T093715_20200225T093721_C001 GPD Wet Tropospheric Correction There is an error with the GPD Wet Tropospheric correction more records
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CS_OFFL_SIR_GOPR_2_20200225T093742_20200225T093746_C001 GPD Wet Tropospheric Correction There is an error with the GPD Wet Tropospheric correction more records
CS_OFFL_SIR_GOPR_2_20200225T093750_20200225T093800_C001 GPD Wet Tropospheric Correction There is an error with the GPD Wet Tropospheric correction more records
CS_OFFL_SIR_GOPR_2_20200225T093804_20200225T093805_C001 GPD Wet Tropospheric Correction There is an error with the GPD Wet Tropospheric correction more records
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CS_OFFL_SIR_GOPR_2_20200225T094329_20200225T094624_C001 GPD Wet Tropospheric correction, Mean Dynamic Topography (1) There is an error with the GPD Wet Tropospheric correction and the Dynamic Topography (solution 1) for one or more records
GPD Wet Tropospheric correction, Mean Dynamic CS_OFFL_SIR_GOPR_2_20200225T094624_20200225T095038_C001 GPD Wet Tropospheric correction, Mean Dynamic Sea Surface (1), Mean Dynamic Topography (1) There is an error with the GPD Wet Tropospheric correction, the MS height (solution 1) and the Mean Dynamic Topography height (solution
CS_OFFL_SIR_GOPR_2_20200225T112326_20200225T112413_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for more records
CS_OFFL_SIR_GOPR_2_20200225T112419_20200225T112459_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (solution 1) for more records

CS_OFFL_SIR_GOPR_2_20200225T112525_20200225T112654_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_20200225T112654_20200225T112954_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_20200225T130310_20200225T130906_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_20200225T144420_20200225T144926_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_20200225T161217_20200225T161315_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_20200225T161815_20200225T161942_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_20200225T162125_20200225T163129_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_20200225T180202_20200225T181028_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_20200225T194252_20200225T195037_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_20200225T212152_20200225T212737_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_20200225T230106_20200225T230328_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_20200225T230328_20200225T230750_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_20200225T101512_20200225T102949_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20200225T002037_20200225T003554_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_20200225T003817_20200225T004253_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_20200225T004852_20200225T010749_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_20200225T010752_20200225T011612_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_20200225T014946_20200225T021004_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_20200225T021056_20200225T021545_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_20200225T021821_20200225T022207_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_20200225T022817_20200225T025549_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_20200225T032002_20200225T032022_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_20200225T032025_20200225T035505_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_20200225T035629_20200225T040120_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_GOPM_2_20200225T040127_20200225T040456_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_20200225T040755_20200225T044257_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_20200225T051735_20200225T052524_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_20200225T052808_20200225T052935_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_20200225T053134_20200225T053442_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_20200225T053624_20200225T054150_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_20200225T054721_20200225T060953_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_20200225T061239_20200225T062121_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_20200225T063439_20200225T063721_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_20200225T065354_20200225T071337_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_20200225T071548_20200225T072047_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_20200225T072615_20200225T075941_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_20200225T082532_20200225T084825_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_20200225T090631_20200225T092235_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_20200225T092238_20200225T092413_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_20200225T092855_20200225T093715_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_20200225T095638_20200225T101258_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_20200225T101512_20200225T102949_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_20200225T103951_20200225T104406_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_20200225T104540_20200225T110117_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_20200225T110317_20200225T111239_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_20200225T113715_20200225T113902_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_20200225T114050_20200225T115211_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_20200225T115717_20200225T121214_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_20200225T121447_20200225T122307_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_20200225T122511_20200225T124218_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_20200225T124435_20200225T124647_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_20200225T132408_20200225T132738_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_20200225T132743_20200225T135119_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_20200225T135344_20200225T135543_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_20200225T135628_20200225T140129_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_20200225T140406_20200225T142954_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_20200225T150258_20200225T153017_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_20200225T153550_20200225T154150_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_20200225T154321_20200225T160538_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_20200225T163450_20200225T170905_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_20200225T172156_20200225T172815_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_20200225T174102_20200225T174340_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_20200225T175828_20200225T180104_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_20200225T181433_20200225T182302_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_20200225T182547_20200225T184836_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_20200225T185353_20200225T185501_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_20200225T185506_20200225T185913_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_20200225T190038_20200225T191418_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_20200225T191605_20200225T192047_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_20200225T192413_20200225T192838_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_20200225T195300_20200225T202655_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_20200225T202903_20200225T203359_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_20200225T203419_20200225T203742_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_20200225T204002_20200225T204210_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_20200225T204458_20200225T211622_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_20200225T211836_20200225T212050_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

OLO CHILDRE (COMPL) 2000025719104 (2000025719105 (2000) COMPL BIR (COMPL) 2000025719105 (2000) COMPL B			
and Bookstein Coulty, OCID By CPP_SIR, SOPM_2_0000025772418_0001025770455_COID CR_CPP_SIR, SOPM_2_000002572418_0001025770455_COID CR_CPP_SIR, SOPM_2_000002572418_0001025770455_COID CR_CPP_SIR, SOPM_2_000002572418_0001025770455_COID CR_CPP_SIR, SOPM_2_000002572418_0001025770455_COID CR_CPP_SIR, SOPM_2_000002572418_0001025770456_COID CR_CPP_SIR, SOPM_2_0000025770456_COID CR_CPP_SIR, SOPM_2_000025770456_COID CR_CPP_SIR, SOPM_2_000025770456_COID CR_CPP_SIR, SOPM_2_000025770456_COID CR_CPP_SIR, SOPM_2_000025770456_COID CR_CPP_SIR, SOPM_2_000025770466_COID CR_CPP_SIR, SOPM_2_000025770466_COID CR_CPP_SIR, SOPM_2_000025770466_COID CR_CPP_SIR, SOPM_2_000025770466_COI	CS_OFFL_SIR_GOPM_2_20200225T213626_20200225T214342_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Security	CS_OFFL_SIR_GOPM_2_20200225T214932_20200225T220607_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFF_SR_GOPM_2_20000257123032_20000257124580_COID CS_OFF_SR_DOPM_2_20000257123032_20000257124580_COID CS_OFF_SR_DOPM_2_20000257123032_20000257124580_COID CS_OFF_SR_DOPM_2_20000257123032_20000257124580_COID CS_OFF_SR_DOPM_2_20000257123032_20000257124580_COID CS_OFF_SR_DOPM_2_2000025712450_20000257124580_COID CS_OFF_SR_DOP	CS_OFFL_SIR_GOPM_2_20200225T220745_20200225T221257_C001		
Last College C	CS_OFFL_SIR_GOPM_2_20200225T221316_20200225T221328_C001		
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Backscatter Quality CS_OFFL_SIR_GOPR_2_20200225T080159_20200225T080230_C001 DCGA Altimeter Range Quality, OCOG Backscatter Quality CS_OFFL_SIR_GOPR_2_20200225T081039_20200225T081625_C001 DCGA Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags and the OCGA Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPN_2_20200225T221328_20200225T221333_C001		
Backscatter Quality CS_OFFL_SIR_GOPR_2_20200225T081039_20200225T081625_C001 CS_OFFL_SIR_GOPR_2_20200225T110243_20200225T110259_C001 CS_OFFL_SIR_GOPR_2_20200225T110243_20200225T122510_C001 CS_OFFL_SIR_GOPR_2_20200225T122455_20200225T122510_C001 CS_OFFL_SIR_GOPR_2_20200225T122455_20200225T132246_20200225T132408_C001 CS_OFFL_SIR_GOPR_2_20200225T132246_20200225T132408_C001 CS_OFFL_SIR_GOPR_2_20200225T132246_20200225T172155_C001 Backscatter Quality for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_GOPR_2_20200225T122455_20200225T122510_C001 CS_OFFL_SIR_GOPR_2_20200225T132246_20200225T132408_C001 CS_OFFL_SIR_GOPR_2_20200225T132246_20200225T132408_C001 CS_OFFL_SIR_GOPR_2_20200225T132246_20200225T132408_C001 CS_OFFL_SIR_GOPR_2_20200225T132246_20200225T172155_C001 CCS_OFFL_SIR_GOPR_2_20200225T172140_20200225T172155_C001 COCOR 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 and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backsca	CS_OFFL_SIR_GOPR_2_20200225T075941_20200225T080117_C001		
CS_OFFL_SIR_GOPR_2_20200225T081039_20200225T081625_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20200225T080159_20200225T080230_C001		
Backscatter Quality CS_OFFL_SIR_GOPR_2_20200225T122455_20200225T122510_C001 CS_OFFL_SIR_GOPR_2_20200225T122455_20200225T122510_C001 CS_OFFL_SIR_GOPR_2_20200225T132246_20200225T132408_C001 CS_OFFL_SIR_GOPR_2_20200225T132246_20200225T132408_C001 CS_OFFL_SIR_GOPR_2_20200225T132246_20200225T132408_C001 CS_OFFL_SIR_GOPR_2_20200225T172140_20200225T172155_C001 Backscatter Quality For one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20200225T081039_20200225T081625_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20200225T122455_20200225T122510_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_GOPR_2_20200225T110243_20200225T110259_C001		
CS_OFFL_SIR_GOPR_2_20200225T132246_20200225T132408_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags have been and Backscatter Quality Flags have been and Backsc	CS_OFFL_SIR_GOPR_2_20200225T122455_20200225T122510_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20200225T172140_20200225T172155_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_GOPR_2_20200225T132246_20200225T132408_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Authreter Name and Dackscatter Quality Set for one or more records.	CS_OFFL_SIR_GOPR_2_20200225T172140_20200225T172155_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20200225T212747_20200225T212908_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_20200225T212747_20200225T212908_C001		

L2 Quality Flags (20Hz PLRM)

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

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

Number of products with errors:

80

Product	Test Failed	Description
CS_OFFL_SIR_GOPN_2_20200225T004446_20200225T004816_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T012612_20200225T013004_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T022554_20200225T022736_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T031543_20200225T031604_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T044257_20200225T044415_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T051643_20200225T051735_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T053501_20200225T053624_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T054151_20200225T054503_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T065055_20200225T065354_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T085523_20200225T085759_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T085952_20200225T090618_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T095447_20200225T095607_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T103248_20200225T103653_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T104406_20200225T104540_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T111239_20200225T111401_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T115211_20200225T115716_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T121252_20200225T121447_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T122307_20200225T122454_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T124948_20200225T125336_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T130907_20200225T131410_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T142954_20200225T143100_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T144211_20200225T144244_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T153148_20200225T153309_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_GOPN_2_20200225T172021_20200225T172139_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T175312_20200225T175345_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T175352_20200225T175413_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T175735_20200225T175828_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T181028_20200225T181350_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T185914_20200225T190037_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T192048_20200225T192412_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T194005_20200225T194252_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T202703_20200225T202903_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T221506_20200225T221711_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T225526_20200225T225653_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20200225T231553_20200225T231823_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_20200225T000320_20200225T000358_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_20200225T001222_20200225T002037_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_20200225T011612_20200225T011834_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_20200225T013004_20200225T013510_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_20200225T013549_20200225T013756_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_20200225T030704_20200225T031543_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_20200225T031604_20200225T031836_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_20200225T044415_20200225T044428_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_20200225T044703_20200225T045557_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_20200225T045731_20200225T045929_C001		
00_011E_011C_E_202002201040101_E02002201040020_0001	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_20200225T062121_20200225T063141_C001		
	OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_GOPR_2_20200225T062121_20200225T063141_C001	OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_GOPR_2_20200225T093751_20200225T093951_C001 COCG Alternote Range Quality PLRM. CCCG Backscatter Quality CCS_OFFL_SIR_GOPR_2_20200225T093533_20200225T0939551_C001 COCG Alternote Range, SSHA, SWH and Backscatter Quality Plags have been set for one records. CS_OFFL_SIR_GOPR_2_20200225T094529_2020225T094524_C001 CS_OFFL_SIR_GOPR_2_20200225T094524_2000025T109511_C001 CS_OFFL_SIR_GOPR_2_20200225T1094524_20200225T1095036_C001 CS_OFFL_SIR_GOPR_2_20200225T1094524_20200225T1095036_C001 CS_OFFL_SIR_GOPR_2_20200225T109453_20200225T100504_C001 CS_OFFL_SIR_GOPR_2_20200225T109453_20200225T100504_C001 CS_OFFL_SIR_GOPR_2_20200225T100505_20200225T100504_C001 CS_OFFL_SIR_GOPR_2_20200225T100504_200105_C001 CS_OFFL_SIR_GOPR_2_20200225T100505_20200225T100504_C001 CS_OFFL_SIR_GOPR_2_20200225T100505_20200225T100504_C001 CS_OFFL_SIR_GOPR_2_20200225T100504_200105_C001 CS_OFFL_SIR_GOPR_2_20200225T100504_200105_C001 CS_OFFL_SIR_GOPR_2_20200225T100504_200105_C001 CS_OFFL_SIR_GOPR_2_20200225T100504_200105_C001 CS_OFFL_SIR_GOPR_2_20200225T100506_C001 CS_OFFL_SIR_GOPR
OCOG Baskscatter Quality PLRM, COOG Allmeter Range and Backscatter Quality Flags have been set for one more records. OCOG Allmeter Range and Backscatter Quality Flags have been set for one more records. OCOG Allmeter Range and Backscatter Quality Flags have been set for one more records. OCOG Allmeter Range and Backscatter Quality Flags have been set for one more records. OCOG Allmeter Range and Backscatter Quality Flags have been set for one more records. OCOG Allmeter Range and Backscatter Quality Flags have been set for one more records. OCOG Allmeter Range Quality PLRM, COOG Allmeter Range and Backscatter Quality Flags have been set for one more records. OCOG Allmeter Range Quality PLRM, COOG Allmeter Range and Backscatter Quality Flags have been set for one more records. OCOG Allmeter Range Quality PLRM, COOG Allmeter Range and Backscatter Quality Flags have been set for one more records. OCOG Allmeter Range Quality PLRM, COOG Backscatter Quality PLRM, COOG Backsc
and Backscatter Quality PLRM, COCK Milmeter Range and Backscatter Quality PLRM, COCK All Milmeter Range All Milmeter Range Quality PLRM, COCK All Milmeter Range and Backscatter Quality PLRM, COCK All Milmeter Range and Backscatter Quality Flags have been set for one more records. CS. OFFL_SIR_GOPR_2_20200225T112892_20200225T114093_C001 CS. OFFL_SIR_GOPR_2_20200225T113902_20200225T114093_C001 CS. OFFL_SIR_GOPR_2_20200225T113902_20200225T114093_C001 CS. OFFL_SIR_GOPR_2_20200225T13091_20200225T130906_C001 CS. OFFL_SIR_GOPR_2_20200225T144012_20200225T130906_C001 CS. OFFL_SIR_GOPR_2_20200225T144012_20200225T14406_C001 CS. OFFL_SIR_GOPR_2_20200225T144012_20200225T14406_C001 CS. OFFL_SIR_GOPR_2_20200225T144012_20200225T14406_C001 CS. OFFL_SIR_GOPR_2_20200225T144012_20200225T14406_C001 CS. OFFL_SIR_GOPR_2_2
CS_OFFL_SIR_GOPR_2_20200225T101258_20200225T10511_C001 CS_OFFL_SIR_GOPR_2_20200225T101258_20200225T10511_C001 CS_OFFL_SIR_GOPR_2_20200225T101258_20200225T10511_C001 CS_OFFL_SIR_GOPR_2_20200225T10117_20200225T10256_C001 CS_OFFL_SIR_GOPR_2_20200225T11017_20200225T10256_C001 CS_OFFL_SIR_GOPR_2_20200225T110256_2000 CS_OFFL_SIR_GOPR_2_20200225T110256_20001 CS_OFFL_SIR_GOPR_2_20200225T110256_20001 CS_OFFL_SIR_GOPR_2_20200225T110256_20001 CS_OFFL_SIR_GOPR_2_20200225T110256_20001 CS_OFFL_SIR_GOPR_2_20200225T110256_20000225T110256_C001 CS_OFFL_SIR_GOPR_2_20200225T110256_20000225T110256_C001 CS_OFFL_SIR_GOPR_2_20200225T110256_20000225T110256_C001 CS_OFFL_SIR_GOPR_2_20200225T110256_20000225T110256_C001 CS_OFFL_SIR_GOPR_2_20200225T110256_20000225T110256_C001 CS_OFFL_SIR_GOPR_2_20200225T110256_20000225T110256_C001 CS_OFFL_SIR_GOPR_2_20200225T110256_20000225T110256_C001 CS_OFFL_SIR_GOPR_2_20200225T110256_20000225T110256_C001 CS_OFFL_SIR_GOPR_2_20200225T110256_20000225T110256_C001 CS_OFFL_SIR_GOPR_2_20200225T110256_20000225T10000_C001 CS_OFFL_SIR_GOPR_2_20200225T10000_2000225T10000_C001 CS_OFFL_SIR_GOPR_2_202000225T10000_C001 CS_OFFL_SIR_GOPR_2_202000225T10000
OCG Backscatter Quality PLRM, OCG Ba
CS_OFFL_SIR_GOPR_2_20200225T110243_20200225T110259_C001 CS_OFFL_SIR_GOPR_2_20200225T110243_20200225T110259_C001 CS_OFFL_SIR_GOPR_2_20200225T112326_20200225T112413_C001 CS_OFFL_SIR_GOPR_2_20200225T112326_20200225T112413_C001 CS_OFFL_SIR_GOPR_2_20200225T112525_20200225T112654_C001 CS_OFFL_SIR_GOPR_2_20200225T112654_C001 CS_OFFL_SIR_GOPR_2_20200225T113902_20200225T114003_C001 CS_OFFL_SIR_GOPR_2_20200225T114002_20200225T114003_C001 CS_OFFL_SIR_GOPR_2_20200225T113001_20200225T130010_C001 CS_OFFL_SIR_GOPR_2_20200225T130010_20200225T130006_C001 CS_OFFL_SIR_GOPR_2_20200225T130010_20200225T130006_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144210_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144210_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144210_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144200_C001 CS_OFFL_SIR_GOPR_2_20200225T144210_C001 CS_OFFL_SIR_GOPR_2
CS_OFFL_SIR_GOPR_2_20200225T112366_20200225T112413_C001 CS_OFFL_SIR_GOPR_2_20200225T112366_20200225T112654_C001 CS_OFFL_SIR_GOPR_2_20200225T112525_20200225T112654_C001 CS_OFFL_SIR_GOPR_2_20200225T112525_20200225T112654_C001 CS_OFFL_SIR_GOPR_2_20200225T113902_20200225T114003_C001 CS_OFFL_SIR_GOPR_2_20200225T113902_20200225T114003_C001 CS_OFFL_SIR_GOPR_2_20200225T124647_20200225T124910_C001 CS_OFFL_SIR_GOPR_2_20200225T130301_20200225T130310_C001 CS_OFFL_SIR_GOPR_2_20200225T130310_20200225T130310_C001 CS_OFFL_SIR_GOPR_2_20200225T130310_20200225T1303006_C001 CS_OFFL_SIR_GOPR_2_20200225T130310_20200225T130906_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144210_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144200_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T14425_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T14425_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T14425_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T14425_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T14425_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144496_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144496_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144496_C001 CS_OFFL_SIR_GOPR_2_20200225T1444400_Z0200225T14496_C001 CS_OFFL_SIR_GOPR_2_20200225T1444400_Z0200225T14496_C001 CS_OFFL_SIR_GOPR_2_20200225T1444400_Z0200225T14496_C001 CS_OFFL_SIR_GOPR_2_20200225T1444400_Z0200225T14496_C001 CS_OFFL_SIR_GOPR_2_20200225T1444400_Z0200225T14496_C001 CS_OFFL_SIR_GOPR_2_20200225T1444400_Z0200225T14496_C001 CS_OFFL_SIR_GOPR_2_20200225T1444400_Z0200225T14496_C001 CS_OFFL_SIR_GOPR_2_20200225T1444400_Z0200225T14496_C001 CS_OFFL_SIR_GOPR_2_20200225T1444400_Z0200225T14496_C001
CS_OFFL_SIR_GOPR_2_20200225T112525_20200225T112654_C001 CS_OFFL_SIR_GOPR_2_20200225T112525_20200225T114003_C001 CS_OFFL_SIR_GOPR_2_20200225T113902_20200225T114003_C001 CS_OFFL_SIR_GOPR_2_20200225T113902_20200225T114003_C001 CS_OFFL_SIR_GOPR_2_20200225T124647_20200225T124910_C001 CS_OFFL_SIR_GOPR_2_20200225T124647_20200225T124910_C001 CS_OFFL_SIR_GOPR_2_20200225T130201_20200225T130310_C001 CS_OFFL_SIR_GOPR_2_20200225T130201_20200225T130310_C001 CS_OFFL_SIR_GOPR_2_20200225T130201_20200225T130310_C001 CS_OFFL_SIR_GOPR_2_20200225T130310_20200225T130906_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144210_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T1444012_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T1444926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T1444926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T1444926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T1444926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T1444926_C001 CS_OFFL_SIR_GOPR_2_20200225T144400_C00025T161942_C001 CS_OFFL_SIR_GOPR_2_20200225T161944_000025T161942_C001 CS_OFFL_SIR_GOPR_2_20200225T161942_C0001 CS_OFFL_SIR_GOPR_2_0000225T161942_C0001 CS_OFFL_SIR_GOPR_2_0000225T161942_C0001 CS_OFFL_SIR_GOPR_2_0000225T161942_C0001 CS_OFFL_SIR_GOPR_2_
CS_OFFL_SIR_GOPR_2_20200225T112525_20200225T114003_C001 CS_OFFL_SIR_GOPR_2_20200225T113902_20200225T114003_C001 CS_OFFL_SIR_GOPR_2_20200225T13902_20200225T124910_C001 CS_OFFL_SIR_GOPR_2_20200225T130201_20200225T124910_C001 CS_OFFL_SIR_GOPR_2_20200225T130201_20200225T130310_C001 CS_OFFL_SIR_GOPR_2_20200225T130310_20200225T130310_C001 CS_OFFL_SIR_GOPR_2_20200225T130310_20200225T130310_C001 CS_OFFL_SIR_GOPR_2_20200225T130310_20200225T130310_C001 CS_OFFL_SIR_GOPR_2_20200225T130310_20200225T130906_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144210_C001 CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144200_C001 CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144206_C001 CS_OFFL_SIR_GOPR_2_20200225T144240_20200225T144296_C001 CS_OFFL_SIR_GOPR_2_20200225T144220_2020225T144296_C001 CS_OFFL_SIR_GOPR_2_20200225T144220_2020225T144296_C001 CS_OFFL_SIR_GOPR_2_20200225T144220_2020225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144926_C001 CS_OFFL_
OCOG Altimeter Range Quality PLRM. OCOG 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, SSHA, SWH and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. OCOG Altimeter Range Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. OCOG Altimeter Range Quality PLRM. OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Altimeter Range Altimeter Range and Backscatter Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Altimeter Range
CS_OFFL_SIR_GOPR_2_20200225T130201_20200225T130310_C001 CS_OFFL_SIR_GOPR_2_20200225T130201_20200225T130310_C001 CS_OFFL_SIR_GOPR_2_20200225T130201_20200225T130310_C001 CS_OFFL_SIR_GOPR_2_20200225T130310_20200225T130906_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144210_C001 CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T14420_20200225T14426_C001 CS_OFFL_SIR_GOPR_2_20200225T14420_20200225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T161815_20200225T161845_C000225T161845_
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flag have be set for one or more records. CS_OFFL_SIR_GOPR_2_20200225T130310_20200225T130906_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144210_C001 CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144210_C001 CS_OFFL_SIR_GOPR_2_20200225T144210_2001 CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144240_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T1444926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144926_C001 Altimeter Range 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 Backsca
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_GOPR_2_20200225T144012_20200225T144210_C001 CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T14420_C001 CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T14420_20200225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T161942_C001 CS_OFFL_SIR_GOPR_2_20200225T161815_20200225T161942_C001 CS_OFFL_SIR_GOPR_2_20200225T161815_20200225T161942_C001 CS_OFFL_SIR_GOPR_2_20200225T161815_20200225T161942_C001 CS_OFFL_SIR_GOPR_2_20200225T161815_20200225T161942_C001 Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_GOPR_2_20200225T161815_20200225T161942_C001 CS_OFFL_SIR_GOPR_2_20200225T161815_20200225T161942_C001 CS_OFFL_SIR_GOPR_2_20200225T161815_20200225T161942_C001
CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144400_C001 CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T161815_20200225T161942_C001
CS_OFFL_SIR_GOPR_2_20200225T144245_20200225T144400_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_GOPR_2_20200225T144420_20200225T144926_C001 CS_OFFL_SIR_GOPR_2_20200225T161815_20200225T161942_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be altimeter Range, SSHA, SWH and Backscatter Quality Flags have be a
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_GOPR_2_20200225T161815_20200225T161942_C001 CS_OFFL_SIR_GOPR_2_20200225T161815_20200225T161942_C001 and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be
PLRM set for one or more records.
CS_OFFL_SIR_GOPR_2_20200225T162125_20200225T163129_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flagn the OCGA Altimeter Range and Backscatter Quality Flagn the OCGA Altimeter Range and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_GOPR_2_20200225T175459_20200225T175720_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records.
CS_OFFL_SIR_GOPR_2_20200225T180202_20200225T181028_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 have be set for one or more records.
CS_OFFL_SIR_GOPR_2_20200225T192839_20200225T193506_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records.
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_GOPR_2_20200225T212152_20200225T212737_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flag and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_GOPR_2_20200225T213134_20200225T213440_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_GOPR_2_20200225T213446_20200225T213618_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one more records.

CS_OFFL_SIR_GOPR_2_20200225T223638_20200225T223938_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS OFFI SID CORD 2 20200225T225653 20200225T225850 C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

Number of products with errors: 184

5.8 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

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

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

Number of products with errors: 50

L2 Retracking Flags (20Hz, PLRM)

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

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

Number of products with errors:

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

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors: 0

6.3 P2P Auxiliary Data File Usage Check

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

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

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

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update. The affected products are not reported in the table below.
- > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Number of products with errors: 28

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220200224T235338_20200225T004313_C001		There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_GOP_2_20200225T004313_20200225T013251_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_20200225T013251_20200225T022227_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_20200225T022227_20200225T031205_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_20200225T031205_20200225T040140_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_20200225T040140_20200225T045118_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_220200225T045118_20200225T054054_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_20200225T054054_20200225T063032_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_20200225T063032_20200225T072007_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_20200225T072007_20200225T080946_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_20200225T080946_20200225T085921_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_20200225T094859_20200225T103834_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20200225T103834_20200225T112813_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_20200225T112813_20200225T121748_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_20200225T121748_20200225T130726_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_20200225T130726_20200225T135702_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_GOP_2_20200225T135702_20200225T144640_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_20200225T144640_20200225T153615_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Perioc Ocean Tide	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20200225T153615_20200225T162554_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_20200225T162554_20200225T171529_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_20200225T171529_20200225T180507_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_20200225T180507_20200225T185442_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_20200225T185442_20200225T194421_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_20200225T194421_20200225T203356_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_20200225T203356_20200225T212334_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_20200225T212334_20200225T221309_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_20200225T221309_20200225T230248_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_20200225T230248_20200225T235223_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.

Number of products with errors:

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

Number of products with errors:

P2P Quality Flags (20Hz PLRM)

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

Number of products with errors:

P2P Quality Flags (1 Hz & 1Hz PLRM)

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

Number of products with errors:

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

Cryosat P2P data includes an ocean retracking 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): This flag is currently set for products GOPR and GOPN products over sea ice, but this is to be expected.

P2P Retracking Flags PLRM

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

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

Number of products with errors:

28