

IDEAS+ Daily Report for GOP data:

<u>09/04/2019</u>



1. Overview						
	00.14 00.40	ſ	Check	L1 & L2	P2P	
Report Production:	09-May-2019		Server check: science-pds.cryosat.esa.int	Nominal	Nominal	
Processor Used:	CryoSat Ocean Processor		Server check: calval-pds.cryosat.esa.int	Nominal	Nominal	
			Product Software Check	Nominal	Nominal	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data		Product Format Check	Nominal	Nominal	
	LTD, LZ & FZF Science Data		Product Header Analysis Auxiliary Data File Usage Check	See Section 5.2 Nominal	Nominal Nominal	
			Auxiliary Data File Usage Check Auxiliary Correction Error Check	Nominal	Nominal	
			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, 5.7	See Section 6.6, 6.7	
			Ocean Retracking Quality Check	See Section 5.8	See Section 6.8	
Mission / Instrument None 08-Apr-2019 None 09-Apr-2019 None 10-Apr-2019 Nothing	planned		2. Global Coverage		Mode Coverage	
					LRM SAR SARIn	

3. Instrument Configuration

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

SIRAL - A

0

SIRAL instrument(s) in use:

4. GOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

4.3 L1B Auxilary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0					
4.4 L1B Auxiliary Correction Error Check					
CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0					
4.5 L1B Measurement Confidence Data Check					
CryoSat L1B data includes a measurement confidence flag for each measurement 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: 1					
Product Test Failed Description					
CS_OFFL_SIR_GOPM1B_20190409T045712_20190409T053059_C001 Power scaling error There is an error in the scaling of the L1B waveform for one or in records	nore				

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.

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Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20190409T033848_20190409T034029_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20190409T113236_20190409T120615_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T003944_20190409T004516_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T030940_20190409T031048_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T034144_20190409T034738_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T040257_20190409T040445_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T044856_20190409T045451_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T053145_20190409T053333_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T062345_20190409T062415_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T081106_20190409T081518_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T143843_20190409T144100_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T154141_20190409T154229_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T194420_20190409T194542_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T203311_20190409T203422_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20190409T213304_20190409T213455_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190409T075808_20190409T080022_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20190409T094110_20190409T094959_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). 0

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: 1

Product	Test Failed					
CS_OFFL_SIR_GOPR_2_20190409T144758_20190409T144804_C001.DBL	Percentage of processing errors of	letected greater than minimum acceptable threshold.				
5.3 L2 Auxiliary Data File Usage Check						
Each product is checked for missing Data Set Descriptors with respect to a pre-deter	rmined baseline and also to check the vali	dity 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 all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).					
Number of products with errors: 0						
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: 1						
Product	Test Failed	Description				

Product	lest Failed	Description	
CS_OFFL_SIR_GOPM_2_20190409T045712_20190409T053059_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records	

5.6 L2 Range Measurement Check

CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags 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.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 86

Number of products with errors: 86		
Product CS OFFL SIR GOPM 2 20190409T000520 20190409T000947 C001	Test Failed	Description The Ocean Range Averaging Status Flag has been set for one or more
	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T001036_20190409T002814_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T004649_20190409T010403_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190409T010844_20190409T011555_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T013555_20190409T015331_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T015502_20190409T020903_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T021652_20190409T021853_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS OFFL SIR GOPM 2 20190409T021958 20190409T022355 C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_0FFL_SIR_GOPM_2_20190409T022545_20190409T024111_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
		records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T024312_20190409T025236_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T032029_20190409T033141_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190409T033848_20190409T034029_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T034739_20190409T035150_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T035456_20190409T040257_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T040515_20190409T042018_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T045712_20190409T053059_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T053333_20190409T053540_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_0FFL_SIR_GOPM_2_20190409T053610_20190409T054141_C001	Ice Range Averaging Status	records. The loe Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T054428_20190409T060927_C001		records. The Ocean Range Averaging Status Flag has been set for one or more
	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T064141_20190409T065242_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T065819_20190409T070928_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190409T071541_20190409T072022_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T072056_20190409T072137_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T072309_20190409T075235_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T080022_20190409T080047_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T081518_20190409T084838_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS OFFL SIR GOPM 2 20190409T085451 20190409T090021 C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20190409T090203 20190409T090808 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20190409T093915 20190409T094109 C001		records. The Ocean Range Averaging Status Flag has been set for one or more
	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T095418_20190409T102759_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T103353_20190409T103905_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190409T104113_20190409T110046_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T111846_20190409T111852_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T113236_20190409T120615_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T120938_20190409T121352_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T121410_20190409T121806_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T122048_20190409T125625_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_0FFL_SIR_GOPM_2_20190409T125753_20190409T130037_C001	Ice Range Averaging Status	records. The loe Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T131605_20190409T132331_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
		records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T132813_20190409T134542_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T134734_20190409T135251_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20190409T135310_20190409T135507_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20190409T140328_20190409T141627_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T141842_20190409T143100_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190409T143326_20190409T143432_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20190409T145807_20190409T150832_C001 CS OFFL SIR GOPM 2 20190409T151012 20190409T152448 C001 CS_OFFL_SIR_GOPM_2_20190409T152659_20190409T153202_C001 CS_OFFL_SIR_GOPM_2_20190409T154033_20190409T154130_C001 CS OFFL SIR GOPM 2 20190409T154845 20190409T155231 C001 CS_OFFL_SIR_GOPM_2_20190409T155929_20190409T160219_C001 CS OFFL SIR GOPM 2 20190409T160342 20190409T161053 C001 CS OFFL SIR GOPM 2 20190409T164233 20190409T170345 C001 CS_OFFL_SIR_GOPM_2_20190409T171737_20190409T175214_C001 CS_OFFL_SIR_GOPM_2_20190409T181811_20190409T184335_C001 CS OFFL SIR GOPM 2 20190409T184507 20190409T185032 C001 CS_OFFL_SIR_GOPM_2_20190409T185038_20190409T185403_C001 CS OFFL SIR GOPM 2 20190409T185706 20190409T190831 C001 CS_OFFL_SIR_GOPM_2_20190409T191408_20190409T192948_C001 CS_OFFL_SIR_GOPM_2_20190409T195351_20190409T201448_C001 CS OFFL SIR GOPM 2 20190409T201656 20190409T202315 C001 CS_OFFL_SIR_GOPM_2_20190409T202506_20190409T203310_C001 CS_OFFL_SIR_GOPM_2_20190409T203622_20190409T211029_C001 CS OFFL SIR GOPM 2 20190409T214513 20190409T215321 C001 CS_OFFL_SIR_GOPM_2_20190409T215346_20190409T220231_C001 CS_OFFL_SIR_GOPM_2_20190409T220442_20190409T220958_C001 CS OFFL SIR GOPM 2 20190409T221549 20190409T223808 C001 CS_OFFL_SIR_GOPM_2_20190409T224054_20190409T225015_C001 CS OFFL SIR GOPM 2 20190409T230210 20190409T230631 C001 CS OFFL SIR GOPM 2 20190409T232150 20190409T232704 C001 CS OFFL SIR GOPM 2 20190409T232852 20190409T234127 C001 CS_OFFL_SIR_GOPM_2_20190409T234604_20190409T234858_C001 CS_OFFL_SIR_GOPM_2_20190409T235522_20190410T002833_C001 CS_OFFL_SIR_GOPN_2_20190409T053541_20190409T053609_C001 CS OFFL SIR GOPN 2 20190409T103032 20190409T103353 C001 CS_OFFL_SIR_GOPN_2_20190409T112108_20190409T112239_C001 CS_OFFL_SIR_GOPN_2_20190409T125723_20190409T125753_C001 CS OFFL SIR GOPN 2 20190409T152511 20190409T152659 C001 CS_OFFL_SIR_GOPN_2_20190409T161426_20190409T161823_C001 CS OFFL SIR GOPN 2 20190409T211250 20190409T211422 C001 CS OFFL SIR GOPN 2 20190409T230134 20190409T230141 C001 CS OFFL SIR GOPN 2 20190409T234858 20190409T235238 C001 CS OFFL SIR GOPR 2 20190409T002814 20190409T003116 C001 CS OFFL SIR GOPR 2 20190409T012507 20190409T012923 C001 CS_OFFL_SIR_GOPR_2_20190409T022534_20190409T022545_C001 CS_OFFL_SIR_GOPR_2_20190409T171630_20190409T171737_C001

The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status ecords The Ice Range Averaging Status Flag has been set for one or more Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more Ice Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more Ice Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more Ice Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more Ice Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ice Range Averaging Status Flag has been set for one or more Ice Range Averaging Status record The Ice Range Averaging Status Flag has been set for one or more Ice Range Averaging Status ecords The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status ecords. The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records. The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records The Ocean Range Averaging Status Flag has been set for one or more Ocean Range Averaging Status records

5.7 L2 SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags 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.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected.

Product	Test Failed	Description
CS OFFE SIR GOPM 2 201904091000520 201904091000947 CO01	0.0	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	0 0	The SWH and Ocean Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_GOPM_2_20190409T003746_20190409T003944_C001 CS OFFL SIR GOPM 2 20190409T004649 20190409T010403 C001 CS_OFFL_SIR_GOPM_2_20190409T010844_20190409T011555_C001 CS_OFFL_SIR_GOPM_2_20190409T013555_20190409T015331_C001 CS OFFL SIR GOPM 2 20190409T015502 20190409T020903 C001 CS_OFFL_SIR_GOPM_2_20190409T021652_20190409T021853_C001 CS OFFL SIR GOPM 2 20190409T021958 20190409T022355 C001 CS OFFL SIR GOPM 2 20190409T022545 20190409T024111 C001 CS_OFFL_SIR_GOPM_2_20190409T024312_20190409T025236_C001 CS_OFFL_SIR_GOPM_2_20190409T032029_20190409T033141_C001 CS_OFFL_SIR_GOPM_2_20190409T033848_20190409T034029_C001 CS_OFFL_SIR_GOPM_2_20190409T034739_20190409T035150_C001 CS OFFL SIR GOPM 2 20190409T035456 20190409T040257 C001 CS_OFFL_SIR_GOPM_2_20190409T040515_20190409T042018_C001 CS_OFFL_SIR_GOPM_2_20190409T045712_20190409T053059_C001 CS OFFL SIR GOPM 2 20190409T053333 20190409T053540 C001 CS_OFFL_SIR_GOPM_2_20190409T053610_20190409T054141_C001 CS_OFFL_SIR_GOPM_2_20190409T054428_20190409T060927_C001 CS OFFL SIR GOPM 2 20190409T064141 20190409T065242 C001 CS_OFFL_SIR_GOPM_2_20190409T065819_20190409T070928_C001 CS_OFFL_SIR_GOPM_2_20190409T071541_20190409T072022_C001 CS OFFL SIR GOPM 2 20190409T072056 20190409T072137 C001 CS_OFFL_SIR_GOPM_2_20190409T072309_20190409T075235_C001 CS OFFL SIR GOPM 2 20190409T080022 20190409T080047 C001 CS OFFL SIR GOPM 2 20190409T081518 20190409T084838 C001 CS OFFL SIR GOPM 2 20190409T085451 20190409T090021 C001 CS_OFFL_SIR_GOPM_2_20190409T090203_20190409T090808_C001 CS_OFFL_SIR_GOPM_2_20190409T093915_20190409T094109_C001 CS_OFFL_SIR_GOPM_2_20190409T095418_20190409T102759_C001 CS OFFL SIR GOPM 2 20190409T103353 20190409T103905 C001 CS_OFFL_SIR_GOPM_2_20190409T104113_20190409T110046_C001 CS_OFFL_SIR_GOPM_2_20190409T111846_20190409T111852_C001 CS OFFL SIR GOPM_2_20190409T113236_20190409T120615_C001 CS_OFFL_SIR_GOPM_2_20190409T120938_20190409T121352_C001 CS_OFFL_SIR_GOPM_2_20190409T121410_20190409T121806_C001 CS OFFL SIR GOPM 2 20190409T122048 20190409T125625 C001 CS_OFFL_SIR_GOPM_2_20190409T125753_20190409T130037_C001 CS_OFFL_SIR_GOPM_2_20190409T131605_20190409T132331_C001 CS OFFL SIR GOPM 2 20190409T132813 20190409T134542 C001 CS OFFL SIR GOPM 2 20190409T134734 20190409T135251 C001 CS_OFFL_SIR_GOPM_2_20190409T135310_20190409T135507_C001 CS_OFFL_SIR_GOPM_2_20190409T140328_20190409T141627_C001 CS_OFFL_SIR_GOPM_2_20190409T141842_20190409T143100_C001 CS OFFL SIR GOPM 2 20190409T143326 20190409T143432 C001 CS_OFFL_SIR_GOPM_2_20190409T145807_20190409T150832_C001 CS_OFFL_SIR_GOPM_2_20190409T151012_20190409T152448_C001 CS OFFL SIR GOPM 2 20190409T152659 20190409T153202 C001 CS_OFFL_SIR_GOPM_2_20190409T154033_20190409T154130_C001 CS_OFFL_SIR_GOPM_2_20190409T154845_20190409T155231_C001 CS OFFL SIR GOPM 2 20190409T155929 20190409T160219 C001 CS OFFL SIR GOPM 2 20190409T160342 20190409T161053 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status more records SWH Averaging Status, Ocean Backscatter Averaging Status more records SWH Averaging Status, Ocean Backscatter Averaging Status more records SWH Averaging Status, Ocean Backscatter Averaging Status more records Ice Backscatter Averaging Status records Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status more records SWH Averaging Status, Ocean Backscatter Averaging Status more records SWH Averaging Status, Ocean Backscatter Averaging Status more records SWH Averaging Status, Ocean Backscatter Averaging Status more records SWH Averaging Status, Ocean Backscatter Averaging Status more records Ice Backscatter Averaging Status records SWH Averaging Status, Ocean Backscatter Averaging Status more records. 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Backscatter Averaging Status

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The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_GOPM_2_20190409T164233_20190409T170345_C001
CS OFFL SIR GOPM 2 20190409T170712 20190409T171118 C001
CS_OFFL_SIR_GOPM_2_20190409T171737_20190409T175214_C001
CS_OFFL_SIR_GOPM_2_20190409T181811_20190409T184335_C001
CS_OFFL_SIR_GOPM_2_20190409T184507_20190409T185032_C001
CS_OFFL_SIR_GOPM_2_20190409T185038_20190409T185403_C001
CS_OFFL_SIR_GOPM_2_20190409T185706_20190409T190831_C001
CS_OFFL_SIR_GOPM_2_20190409T191408_20190409T192948_C001
CS_OFFL_SIR_GOPM_2_20190409T195351_20190409T201448_C001
CS_OFFL_SIR_GOPM_2_20190409T201656_20190409T202315_C001
CS_OFFL_SIR_GOPM_2_20190409T202506_20190409T203310_C001
CS_OFFL_SIR_GOPM_2_20190409T203622_20190409T211029_C001
CS_OFFL_SIR_GOPM_2_20190409T212351_20190409T212448_C001
CS_OFFL_SIR_GOPM_2_20190409T214513_20190409T215321_C001
CS_OFFL_SIR_GOPM_2_20190409T215346_20190409T220231_C001
CS_OFFL_SIR_GOPM_2_20190409T220442_20190409T220958_C001
CS_OFFL_SIR_GOPM_2_20190409T221549_20190409T223808_C001
CS_OFFL_SIR_GOPM_2_20190409T224054_20190409T225015_C001
CS_OFFL_SIR_GOPM_2_20190409T230210_20190409T230631_C001
CS_OFFL_SIR_GOPM_2_20190409T232150_20190409T232704_C001
CS_OFFL_SIR_GOPM_2_20190409T232852_20190409T234127_C001
CS_OFFL_SIR_GOPM_2_20190409T234604_20190409T234858_C001
CS_OFFL_SIR_GOPM_2_20190409T235522_20190410T002833_C001
CS_OFFL_SIR_GOPN_2_20190409T053541_20190409T053609_C001
CS_OFFL_SIR_GOPN_2_20190409T103032_20190409T103353_C001
CS_OFFL_SIR_GOPN_2_20190409T112108_20190409T112239_C001
CS_OFFL_SIR_GOPN_2_20190409T125723_20190409T125753_C001
CS_OFFL_SIR_GOPN_2_20190409T152511_20190409T152659_C001
CS_OFFL_SIR_GOPN_2_20190409T161426_20190409T161823_C001
CS_OFFL_SIR_GOPN_2_20190409T211250_20190409T211422_C001
CS_OFFL_SIR_GOPN_2_20190409T230134_20190409T230141_C001
CS_OFFL_SIR_GOPN_2_20190409T234858_20190409T235238_C001
CS_OFFL_SIR_GOPR_2_20190409T002814_20190409T003116_C001
CS_OFFL_SIR_GOPR_2_20190409T012507_20190409T012923_C001
CS_OFFL_SIR_GOPR_2_20190409T022534_20190409T022545_C001
CS_OFFL_SIR_GOPR_2_20190409T171630_20190409T171737_C001

SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status Ice Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

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The SWH and Ocean Averaging Status Flags have been set for one or

 scatter Averaging Status
 more records.

 Averaging Status, Ocean
 The SWH and Ocean Averaging Status Flags have been set for one or more records.

 Averaging Status, Ocean
 The SWH and Ocean Averaging Status Flags have been set for one or more records.

 Averaging Status, Ocean
 The SWH and Ocean Averaging Status Flags have been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

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:

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: 0

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:

50

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).				
Number of products with errors:	0			
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:	1			

Description

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

Product CS_OFFL_SIR_GOP_2__20190409T044716_20190409T053652_C001 Test Failed Power scaling error

Toot Foiled

6.6 P2P Range Measurement Check

CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags raised in the P2P 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.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 30

Number of products with errors:

Due due 4

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220190408T234935_20190409T003911_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T003911_20190409T012849_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T012849_20190409T021825_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T021825_20190409T030802_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T030802_20190409T035738_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T035738_20190409T044716_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T044716_20190409T053652_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T053652_20190409T062630_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T062630_20190409T071606_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T071606_20190409T080543_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T080543_20190409T085519_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T085519_20190409T094457_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T094457_20190409T103433_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T103433_20190409T112410_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T112410_20190409T121346_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T121346_20190409T130324_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T130324_20190409T135300_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T135300_20190409T144238_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T144238_20190409T153213_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T153213_20190409T162151_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T162151_20190409T171127_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T171127_20190409T180105_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T180105_20190409T185041_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T185041_20190409T194018_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T194018_20190409T202954_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T202954_20190409T211932_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T211932_20190409T220908_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220190409T220908_20190409T225846_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T225846_20190409T234821_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T234821_20190410T003759_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

CryoSat P2P data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags raised in the P2P 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.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected.

 Cit, Grit, Jiel, Cord, 2., 201904073343, 2019040713249. Cont Cit, Grit, Sie, Cord, 2., 201904070349, 2019040713249. Cont Cit, Grit, Sie, Cord, 2., 2019040713447. Cont Cit, Si	Product	Test Failed	Description
65, GPTL_BR_GOP_2_B10040703911_01010407070840_00004 Badescalar Averaging Salas Log Inter String Cost Averaging Salas Flags have been set for or a cost Av	CS_OFFL_SIR_GOP_220190408T234935_20190409T003911_C001	Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
Carl, San, Corr, San,	CS_OFFL_SIR_GOP_220190409T003911_20190409T012849_C001	Backscatter Averaging Status, Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS OFFL_SR_COP_2_20100401701825_01004007003502_01004007003502_01004007003502_00100407003502_00100407003502_00104007003502_001040703502_0010040703502_0000701020000703502_0000701020000703502_0000701020000703200007000070102000007032000070000070000000000	CS_OFFL_SIR_GOP_220190409T012849_20190409T021825_C001	Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
GB, OFFL, SIR, GOP,D19640971035738, 2019640971035738, 2019 Beaksatter Averaging Status, Fee Beaksatter Averaging Status, Coan The SVH, Coan and Lo Averaging Status Fee Processor Status, Fee Pro	CS_OFFL_SIR_GOP_2_20190409T021825_20190409T030802_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
Biologith Amerging State, Coan Biologith Amerging State, Coan The SMH, Coan and Low Amerging State, Fee SMH, Coan and Low Amerging State, Coan CS, OFFL, SIR, COP 2, 201904071050542, 201904071050542, 2019 SMH Amerging State, Coan The SMH, Coan and Low Amerging State, Coan CS, OFFL, SIR, COP 2, 201904071050543, 201904071050510, 2019 SMH Amerging State, Coan The SMH, Coan and Low Amerging State, Coan CS, OFFL, SIR, COP 2, 201904071050543, 201904071050510, 201904071050510, 201904071050510, 201904071050510, 201904071050510, 201904071050510, 201904071105030, 2019 SMH Amerging State, Coan CS, OFFL, SIR, COP 2, 201904071050543, 20190407110543, 2019 SMH Amerging State, Coan The SMH, Coan and Low Amerging State, Fee SMH, Coan and Low Am	CS_OFFL_SIR_GOP_2_20190409T030802_20190409T035738_C001	Backscatter Averaging Status, Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_00190407103402_00190407103862_0011 Beckscellar Averaging Status, Ice Beckscellar Averaging Status, Ice CS_OFFL_SIR_GOP_2_00190407103862_00190407103862_001 Beckscellar Averaging Status, Ice CS_OFFL_SIR_GOP_2_00190407103862_00190407103862_001 Beckscellar Averaging Status, Ice CS_OFFL_SIR_GOP_2_00190407103863_001 Beckscellar Averaging Status, Ice CS_OFFL_SIR_GOP_2_00190407103863_001 Beckscellar Averaging Status, Ice Beckscellar Averaging Status, Ice Beckscellar Averaging Status, Ice CS_OFFL_SIR_GOP_2_00190407103863_001 Beckscellar Averaging Status, Ice Beckscella	CS_OFFL_SIR_GOP_2_20190409T035738_20190409T044716_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
 CS_OFFL_SIR_GOP_2_01904097102300_201904097071000_C001 Backsattle Averaging Status Lee and Averaging Status Lee Betchastle Averaging	CS_OFFL_SIR_GOP_220190409T044716_20190409T053652_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
C3_OFFL_SIR_GOP_2_201904091102300_011940071000451_0001 Backsetter Averaging Status, Icea SWH Averaging Status, Icea SWH Averaging Status, Icea SWH Averaging Status, Icea C3_OFFL_SIR_GOP_2_201904091106519_01904071080451_0001 Backsetter Averaging Status, Icea SWH Averaging Status, Icea SWH Averaging Status, Icea SWH Averaging Status, Icea Backsetter Averaging Status, Icea Backsetter Averaging Status, Icea SWH Averaging Status, Icea SWH Averaging Status, Icea SWH Averaging Status, Icea Backsetter Averaging Status, Icea Bac	CS_OFFL_SIR_GOP_220190409T053652_20190409T062630_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409170568_20190409170568_201904091705519_201904091705519_201904091705519_201904091705519_201904091705519_201904091705519_201904091705519_201904091705519_201904091705519_201904091705519_201904091705519_201904091705519_201904091705457_201904091705519_201904091705457_20190409170550_201904091705457_20190409170550_20190409170550_20190409171204_20109409171204_2019040911204_20190409112040_20190409112040_20190409112040_20190409112040_20190409112040_20190409112040_20190409110324_201904091130300_2001 Barkscatter Avverging Status, Coan and Lee Averging Status Flags have been set for or an or records. CS_OFFL_SIR_GOP_2_201904091130300_2010 Barkscatter Avverging Status, Coan and Lee Averging Status Flags have been set for or an or records. CS_OFFL_SIR_GOP_2_201904091130300_2010 Barkscatter Avverging Status, Coan and Lee Averging Status Flags have been set for or an or records. CS_OFFL_SIR_GOP_2_201904091130300_2010 Barkscatter Avverging Status, Coan and Lee Averging Status Flags have been set for or an or records. CS_OFFL_SIR_GOP_2_201904091130300_2010 Barkscatter Avverging Status, Coan and Lee Averging Status Flags have been set for or an or records. CS_OFFL_SIR_GOP_2_201904091130300_2010 Barkscatter Avverging Status, Coan and Lee Averging Status Flags have been set for or an or records. CS_OFFL_SIR_GOP_2_20190409114238_20190409114238_2011 Barkscatter Avverging Status, Coan and Lee Averging Status Flags have been set for or an records. CS_OFFL_SIR_GOP_2_20190409114232_20190409114231_20190409113213_2010 Barkscatter Avverging Status, Coan and Lee Averging Status Flags have been set for or an records. CS_OFFL_SIR_GOP_2_201904091142313_201904091160105_201904091160105_201904091160105_2019040	CS_OFFL_SIR_GOP_220190409T062630_20190409T071606_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CE_OFFL_SIR_GOP_2_20190409T08543_20190409T085519_C011 Backscatter Averaging Status. Coan WM Averaging Status. Coan WM Averaging Status. Coan WM Averaging Status. Coan WM Averaging Status. Coan DB Sockscatter Averaging Stat	CS_OFFL_SIR_GOP_220190409T071606_20190409T080543_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409710343_20190409710343_CO01 Backstater /weraging Status, Ice advacater /weraging Status, Ice Ite SWH / Averaging Status, Ice Ite SWH	CS_OFFL_SIR_GOP_220190409T080543_20190409T085519_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T103433_20190409T112410_C001 Backscatter Averaging Status more records. CS_OFFL_SIR_GOP_2_20190409T103433_20190409T112410_C001 Backscatter Averaging Status, Ice The SWH, Ocean and Ice Averaging Status, Ice CS_OFFL_SIR_GOP_2_20190409T121340_C001 Backscatter Averaging Status, Ice The SWH, Ocean and Ice Averaging Status, Ice CS_OFFL_SIR_GOP_2_20190409T121340_C001 Backscatter Averaging Status, Ice The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T120324_C001 Backscatter Averaging Status, Ice The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T135320_C001 Backscatter Averaging Status, Ice The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T142282_C001 SWH Averaging Status, Ice The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T142282_C001 SWH Averaging Status, Ice The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T162151_C001 Backscatter Averaging Status, Ice The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T162151_20190409T17127_C0011 Backscatter Averaging Status, Ice	CS_OFFL_SIR_GOP_220190409T085519_20190409T094457_C001	Backscatter Averaging Status, Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T10343_20190409T121340_C001 Backscatter Averaging Status, Ice Backscatter Averagin	CS_OFFL_SIR_GOP_220190409T094457_20190409T103433_C001	Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T112410_20190409T121346_C001 Backscatter Averaging Status to can be averaging Status for a process. CS_OFFL_SIR_GOP_2_20190409T121346_20190409T130324_C001 Backscatter Averaging Status for a process. SWH Averaging Status for a packscatter Averaging Status for a process. The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T130324_20190409T130300_C001 Backscatter Averaging Status for a process. The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T14228_20190409T14228_C001 SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T14228_20190409T153213_C001 SWH Averaging Status Coean Backscatter Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T162151_20190409T162151_C001 Backscatter Averaging Status for a process. The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T162151_20190409T171127_C001 Backscatter Averaging Status for a process. The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T16105_20190409T180105_C001 SWH Averaging Status for a process. The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T180105_20190409T18041_C001 Backscatter Averaging Status flags	CS_OFFL_SIR_GOP_220190409T103433_20190409T112410_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T121346_20190409T130324_C001 Backscatter Averaging Status, Cean The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T130324_20190409T135300_C001 Backscatter Averaging Status, Cean The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T14238_20190409T132513_C001 Backscatter Averaging Status, Cean The SWH and Cean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T144238_20190409T162151_C001 Backscatter Averaging Status, Cean The SWH and Cean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T162151_20190409T162151_C001 Backscatter Averaging Status, Cean The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T162151_20190409T171127_C001 Backscatter Averaging Status, Cean The SWH and Cean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T160105_20190409T1910015_C001 SWH Averaging Status, Cean The SWH and Cean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T180045_20190409T194018_C001 Backscatter Averaging Status, Cean The SWH and Cean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T18004_20190409T194018_C001 Backscatter Averaging Status, Cean The SWH and Cean Avera	CS_OFFL_SIR_GOP_220190409T112410_20190409T121346_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T130324_20190409T135300_C001 Backscatter Averaging Status for one or more records. CS_OFFL_SIR_GOP_2_20190409T135300_20190409T142238_C001 SWH Averaging Status for one or more records. CS_OFFL_SIR_GOP_2_20190409T142238_20190409T153213_C001 Backscatter Averaging Status for one or more records. CS_OFFL_SIR_GOP_2_20190409T153213_20190409T162151_C001 Backscatter Averaging Status for one or more records. CS_OFFL_SIR_GOP_2_20190409T162151_20190409T162151_C001 Backscatter Averaging Status for one or more records. CS_OFFL_SIR_GOP_2_20190409T162151_20190409T162151_C001 Backscatter Averaging Status for one or more records. CS_OFFL_SIR_GOP_2_20190409T162151_20190409T171127_C001 Backscatter Averaging Status for one or more records. CS_OFFL_SIR_GOP_2_20190409T171127_20190409T180105_C001 SWH Averaging Status for one or more records. CS_OFFL_SIR_GOP_2_20190409T171127_20190409T180105_C001 SWH Averaging Status for one or more records. CS_OFFL_SIR_GOP_2_20190409T180105_20190409T180105_C001 SWH Averaging Status for one or more records. CS_OFFL_SIR_GOP_2_20190409T180105_20190409T18001_C001 SWH Averaging Status for one or more records. CS_OFFL_SIR_GOP_2_20190409T180105_20190409T202954_C001 Backscatter Averaging Status for one or more records. CS_OFFL_SIR_GOP_2_20190409T194018_20190409T202954_C001 Backscatter Averaging Status for one or more records. CS	CS_OFFL_SIR_GOP_220190409T121346_20190409T130324_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T143300_20190409T143231_20001 Backscatter Averaging Status more records. CS_OFFL_SIR_GOP_2_20190409T142331_20190409T153213_C001 SWH Averaging Status, Cocan Backscatter Averaging Status,	CS_OFFL_SIR_GOP_220190409T130324_20190409T135300_C001	Backscatter Averaging Status, Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T14238_20190409T153213_C001 Backscatter Averaging Status, loe Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T162151_20190409T171127_C001 Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T162151_20190409T171127_C001 Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T171127_20190409T180105_C001 SWH Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T180105_20190409T185041_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T180105_20190409T194018_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T1202954_20190409T211932_C001 Backscatter Averaging Status, Ice Backscatter Averaging Status,	CS_OFFL_SIR_GOP_220190409T135300_20190409T144238_C001	Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T153213_20190409T162151_C001 Backscatter Averaging Status, Coean Backscatter Averaging Status, Coean The SWH, Ocean and Ice Averaging Status Flags have been set for on or more records. CS_OFFL_SIR_GOP_2_20190409T162151_20190409T171127_C001 SWH Averaging Status, Coean Backscatter Averaging Status, Coean The SWH, Ocean and Ice Averaging Status Flags have been set for on or more records. CS_OFFL_SIR_GOP_2_20190409T171127_20190409T180105_C001 SWH Averaging Status, Coean Backscatter Averaging Status, Coean The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T180105_20190409T18004_C001 SWH Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T18004_20190409T194018_C001 SWH Averaging Status, Ice Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T194018_20190409T202954_C001 SWH Averaging Status, Ice Backscatter Averaging Status, Ice The SWH Averaging Status, Ice Backscatter Averaging Status, Ice The SWH Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Ba	CS_OFFL_SIR_GOP_220190409T144238_20190409T153213_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T162151_20190409T171127_C001 Backscatter Averaging Status Infle SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T171127_20190409T180105_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Aver	CS_OFFL_SIR_GOP_220190409T153213_20190409T162151_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_2019040911/112/201904091180105_C001 Backscatter Averaging Status more records. CS_OFFL_SIR_GOP_2_201904091180105_201904091185041_C001 SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for on or more records. CS_OFFL_SIR_GOP_2_201904091185041_201904091194018_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_201904091194018_201904091202954_C001 Backscatter Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_201904091202954_201904091202954_C001 Backscatter Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_201904091202954_201904091211932_C001 Backscatter Averaging Status, Ice Backscatter Averaging Status,	CS_OFFL_SIR_GOP_220190409T162151_20190409T171127_C001	Backscatter Averaging Status, Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T180105_20190409T185041_C001 Backscatter Averaging Status, loe Backscatter Averaging Status, loe Backscatter Averaging Status, loe Backscatter Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T185041_20190409T194018_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T194018_20190409T202954_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for on or more records. CS_OFFL_SIR_GOP_2_20190409T202954_20190409T211932_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for on or more records. CS_OFFL_SIR_GOP_2_20190409T220908_20190409T225846_C001 SWH Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for on or more records. CS_OFFL_SIR_GOP_2_20190409T225846_20190409T225846_C001 SWH Averaging Status, Ice Backscatter Averaging St	CS_OFFL_SIR_GOP_220190409T171127_20190409T180105_C001	Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_201904091194018_201904091202954_C001 Backscatter Averaging Status more records. CS_OFFL_SIR_GOP_2_20190409T194018_20190409T202954_C001 SWH Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T202954_20190409T211932_C001 Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T220908_20190409T225846_C001 SWH Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T225846_20190409T225846_20190409T234821_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for	CS_OFFL_SIR_GOP_2_20190409T180105_20190409T185041_C001	Backscatter Averaging Status, Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T194018_20190409T202954_C001 Backscatter Averaging Status, loe Backscatter Averaging Status, loe Backsca	CS_OFFL_SIR_GOP_220190409T185041_20190409T194018_C001	Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T202954_20190409T211932_C001 Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Flags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T220908_20190409T225846_C001 SWH Averaging Status, Ice Backscatter Averaging	CS_OFFL_SIR_GOP_220190409T194018_20190409T202954_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T211932_20190409T220908_C001 Backscatter Averaging Status, loe Backscatter Averaging Status, loe Backscatter Averaging Status, loe Interswin, Ocean and loe Averaging Status Plags have been set for or or more records. CS_OFFL_SIR_GOP_2_20190409T220908_20190409T225846_C001 Backscatter Averaging Status, loe Backscatter Averaging Status, loe Backscatter Averaging Status, loe Backscatter Averaging Status, loe Backscatter Averaging Status The SWH, Ocean and loe Averaging Status Flags have been set for on or more records. CS_OFFL_SIR_GOP_2_20190409T225846_20190409T234821_C001 SWH Averaging Status, Ocean Backscatter Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T225846_20190409T234821_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T234821_20190410T003759_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_GOP_220190409T202954_20190409T211932_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20190409T220908_20190409T225846_C001 Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status, Ice Backscatter Averaging Status The SWH, Ocean and Ice Averaging Status Plags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T225846_20190409T234821_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_GOP_2_20190409T234821_20190410T003759_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records.	CS_OFFL_SIR_GOP_220190409T211932_20190409T220908_C001	Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_201904091225846_201904091234821_C001 Backscatter Averaging Status more records. CS_OFFL_SIR_GOP_2_2019040912234821_20190410103759_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or	CS_OFFL_SIR_GOP_220190409T220908_20190409T225846_C001	Backscatter Averaging Status, Ice	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
	CS_OFFL_SIR_GOP_220190409T225846_20190409T234821_C001		The SWH and Ocean Averaging Status Flags have been set for one or more records.
	CS_OFFL_SIR_GOP_220190409T234821_20190410T003759_C001		The SWH and Ocean Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

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.

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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.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220190408T234935_20190409T003911_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T003911_20190409T012849_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T012849_20190409T021825_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T021825_20190409T030802_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T030802_20190409T035738_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T044716_20190409T053652_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T053652_20190409T062630_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T062630_20190409T071606_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T071606_20190409T080543_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T080543_20190409T085519_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T085519_20190409T094457_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T094457_20190409T103433_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T103433_20190409T112410_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T112410_20190409T121346_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T130324_20190409T135300_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T135300_20190409T144238_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T144238_20190409T153213_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T153213_20190409T162151_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T162151_20190409T171127_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T171127_20190409T180105_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T180105_20190409T185041_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T185041_20190409T194018_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T194018_20190409T202954_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T202954_20190409T211932_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T211932_20190409T220908_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190409T225846_20190409T234821_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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