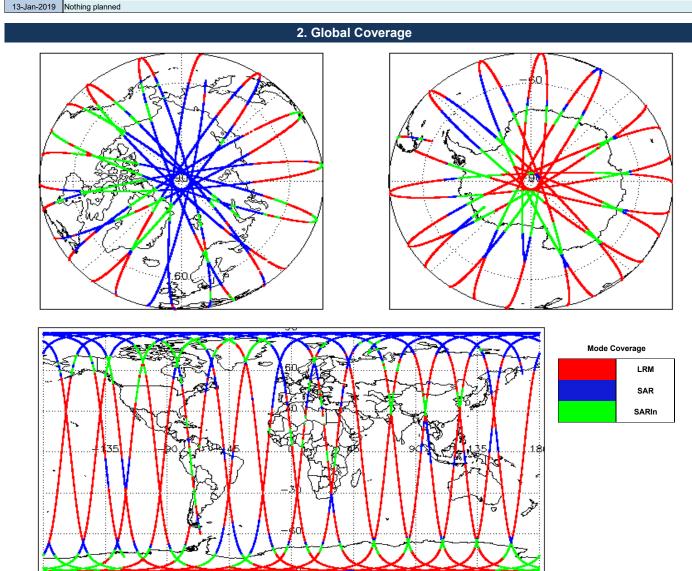


IDEAS+ Daily Report for GOP data:

<u>12/01/2019</u>

		1. Overview		
		Check	L1 & L2	P2P
Report Production:	13-Feb-2019	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Due en en la este		Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	Nominal
Data Used:	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		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
		Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

Mission / Instru	
11-Jan-2019	None
12-Jan-2019	None



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 c	heck the validity of Auviliary Data Files is correct		
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	d. The bit value of this flag indicates	s 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 measurem	pont record. The hit value of this fla	a indicates any problems when set		
Attitude Correction Missing: This flag is currently set in error for GOPR prod				
Number of products with errors: 1	ucia due to a configuration issue. T	nis is being investigated and will be updated in the next ow update.		
Product	Test Failed	Description There is an error in the scaling of the L1B waveform for one or more		
CS_OFFL_SIR_GOPM1B_20190112T091208_20190112T094552_C001	Power scaling error	records		
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record	I. 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	-			
Number of products with errors: 12	·			
	I			
Product CS_OFFL_SIR_GOPM1B_20190112T065808_20190112T070732_C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records		
CS OFFL SIR GOPM1B 20190112T174306 20190112T180043 C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20190112T004827_20190112T004852_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20190112T054530_20190112T055011_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20190112T072434_20190112T072543_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20190112T181003_20190112T181155_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20190112T185338_20190112T185555_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20190112T230856_20190112T231015_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPN1B_20190112T234432_20190112T234950_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20190112T062348_20190112T062910_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20190112T152917_20190112T153612_C001	Loss of Echo	The tracking echo is missing for one or more records		
CS_OFFL_SIR_GOPR1B_20190112T181155_20190112T181829_C001	Loss of Echo	The tracking echo is missing for one or more records		
	I			
5. G(OP Level 2 Data Qua	lity Check		
5.1 L2 Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML he	eader file (.HDR) and a binary product file (.DBL).		
Number of products with errors: 0				
5.2 L2 Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and	SPH in order to identify any incom	sistencies and/or errors raised by the ground-segment processing chain.		
Number of products with errors: 0				
5.3 L2 Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-	e-determined baseline and also to c	heck the validity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
5.4 L2 Auxiliary Correction Error Check				
For all products, the auxiliary corrections within the Geophysical Group are che	ecked for the default error value (32	.767).		
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 meas	surement record. The bit value of the	his flag indicates any problems when set.		
Number of products with errors: 1				
Product	Test Failed	Description		

5.6 L2 Range Measurement Check

CS_OFFL_SIR_GOPM_2_20190112T091208_20190112T094552_C001

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.

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

Power scaling error

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. 78

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190112T000334_20190112T001416_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20190112T001953_20190112T003730_C001 CS OFFL SIR GOPM 2 20190112T005017 20190112T005048 C001 CS_OFFL_SIR_GOPM_2_20190112T010303_20190112T011001_C001 CS_OFFL_SIR_GOPM_2_20190112T012254_20190112T012901_C001 CS OFFL SIR GOPM 2 20190112T013104 20190112T013638 C001 CS_OFFL_SIR_GOPM_2_20190112T014240_20190112T021556_C001 CS OFFL SIR GOPM 2 20190112T022949 20190112T023049 C001 CS OFFL SIR GOPM 2 20190112T024911 20190112T030819 C001 CS_OFFL_SIR_GOPM_2_20190112T031025_20190112T031534_C001 CS_OFFL_SIR_GOPM_2_20190112T042013_20190112T042433_C001 CS OFFL SIR GOPM 2 20190112T042529 20190112T044306 C001 CS_OFFL_SIR_GOPM_2_20190112T050141_20190112T051909_C001 CS_OFFL_SIR_GOPM_2_20190112T052338_20190112T053047_C001 CS_OFFL_SIR_GOPM_2_20190112T055044_20190112T060832_C001 CS_OFFL_SIR_GOPM_2_20190112T060955_20190112T062348_C001 CS OFFL SIR GOPM 2 20190112T063146 20190112T063346 C001 CS_OFFL_SIR_GOPM_2_20190112T063454_20190112T063848_C001 CS_OFFL_SIR_GOPM_2_20190112T064032_20190112T065606_C001 CS OFFL SIR GOPM 2 20190112T065808 20190112T070732 C001 CS_OFFL_SIR_GOPM_2_20190112T072543_20190112T072653_C001 CS_OFFL_SIR_GOPM_2_20190112T073538_20190112T074634_C001 CS OFFL SIR GOPM 2 20190112T080238 20190112T080628 C001 CS_OFFL_SIR_GOPM_2_20190112T080952_20190112T081750_C001 CS OFFL SIR GOPM 2 20190112T082015 20190112T083513 C001 CS OFFL SIR GOPM 2 20190112T091208 20190112T094552 C001 CS OFFL SIR GOPM 2 20190112T094825 20190112T095034 C001 CS_OFFL_SIR_GOPM_2_20190112T095100_20190112T095636_C001 CS_OFFL_SIR_GOPM_2_20190112T095914_20190112T102426_C001 CS_OFFL_SIR_GOPM_2_20190112T105602_20190112T110735_C001 CS OFFL SIR GOPM 2 20190112T111311 20190112T112353 C001 CS_OFFL_SIR_GOPM_2_20190112T113034_20190112T113510_C001 CS_OFFL_SIR_GOPM_2_20190112T113607_20190112T113628_C001 CS OFFL SIR GOPM 2 20190112T113814 20190112T115856 C001 CS_OFFL_SIR_GOPM_2_20190112T115859_20190112T120613_C001 CS_OFFL_SIR_GOPM_2_20190112T123019_20190112T130311_C001 CS OFFL SIR GOPM 2 20190112T130943 20190112T131516 C001 CS_OFFL_SIR_GOPM_2_20190112T131704_20190112T132303_C001 CS OFFL SIR GOPM 2 20190112T135413 20190112T135559 C001 CS OFFL SIR GOPM 2 20190112T140926 20190112T144309 C001 CS_OFFL_SIR_GOPM_2_20190112T144847_20190112T145359_C001 CS_OFFL_SIR_GOPM_2_20190112T145601_20190112T151542_C001 CS OFFL SIR GOPM 2 20190112T154722 20190112T162108 C001 CS_OFFL_SIR_GOPM_2_20190112T162903_20190112T163300_C001 CS_OFFL_SIR_GOPM_2_20190112T163651_20190112T170403_C001 CS_OFFL_SIR_GOPM_2_20190112T170420_20190112T171124_C001 CS_OFFL_SIR_GOPM_2_20190112T171252_20190112T171531_C001 CS OFFL SIR GOPM 2 20190112T172813 20190112T173825 C001 CS_OFFL_SIR_GOPM_2_20190112T174306_20190112T180043_C001 CS_OFFL_SIR_GOPM_2_20190112T180226_20190112T180744_C001 CS OFFL SIR GOPM 2 20190112T180803 20190112T181002 C001 CS_OFFL_SIR_GOPM_2_20190112T181829_20190112T183122_C001 Ocean Range Averaging Status Ocean Range 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CS_OFFL_SIR_GOPM_2_20190112T18336_20190112T184600_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one on records. CS_OFFL_SIR_GOPM_2_20190112T184810_20190112T1843959_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one on records. CS_OFFL_SIR_GOPM_2_20190112T191259_20190112T192325_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one on records. CS_OFFL_SIR_GOPM_2_20190112T192504_20190112T19334_C001 Ocean Range Averaging Status The Ice Range Averaging Status Flag has been set for one on records. CS_OFFL_SIR_GOPM_2_20190112T194151_20190112T194655_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one on records. CS_OFFL_SIR_GOPM_2_20190112T194702_20190112T194713_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20190112T194719_20190112T194834_C001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or records. CS_OFFL_SIR_GOPM_2_20190112T20463_20190112T200716_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or records. CS_OFFL_SIR_GOPM_2_20190112T201837_20190112T202536_C001 Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or records. CS_OFFL_SIR_GOPM_2_20190112T205615_20190112T20	more more more more more more more more
CS_OFFL_SIR_GOPM_2_20190112T194810_20190112T192325_C001Obean Range Averaging Statusrecords.CS_OFFL_SIR_GOPM_2_20190112T192504_20190112T192325_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flag has been set for one o records.CS_OFFL_SIR_GOPM_2_20190112T194504_20190112T194555_C001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one o records.CS_OFFL_SIR_GOPM_2_20190112T194702_20190112T194703_C001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOPM_2_20190112T194703_20190112T194834_C001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOPM_2_20190112T200433_20190112T200716_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flag has been set for one o records.CS_OFFL_SIR_GOPM_2_20190112T200433_20190112T200716_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flag has been set for one o records.CS_OFFL_SIR_GOPM_2_20190112T201436_20190112T200716_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flag has been set for one o records.CS_OFFL_SIR_GOPM_2_20190112T201436_20190112T200716_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flag has been set for one o records.CS_OFFL_SIR_GOPM_2_20190112T201436_20190112T200716_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flag has been set for one o records.CS_OFFL_SIR_GOPM_2_20190112T201436_20190112T200716_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flag has been set for one o records. </td <td>more more re more more more more more mo</td>	more more re more more more more more mo
CS_OFFL_SIR_GOPM_2_20190112119259_20190112119252_2001Ocean Range Averaging Statusrecords.CS_OFFL_SIR_GOPM_2_20190112119455_20190112119455_C001Ice Range Averaging StatusThe loc Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOPM_2_201901121194702_201901121194703_201901121194713_C001Ice Range Averaging StatusThe loc Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOPM_2_201901121194719_201901121194713_C001Ice Range Averaging StatusThe loc Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOPM_2_201901121194719_201901121194743_C001Ice Range Averaging StatusThe loc Range Averaging Status Flag has been set for one or more records.CS_OFFL_SIR_GOPM_2_201901121200433_201901127200716_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flag has been set for one or records.CS_OFFL_SIR_GOPM_2_201901127201436_201901127201714_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flag has been set for one or records.CS_OFFL_SIR_GOPM_2_201901127201837_20190112720536_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flag has been set for one or records.CS_OFFL_SIR_GOPM_2_201901127201545_201901127205938_C001Ocean Range Averaging StatusThe Ocean Range Averaging Status Flag has been set for one or records.CS_OFFL_SIR_GOPM_2_2019011272120532_201901127211252_201901127211252_201901127212633_201901127211252_201901127212633_201901127212633_201901127212633_201901127212633_201901127212620_C001Ocean Range Averaging StatusCS_OFFL_SIR_GOPM_2_201901127212623_201901127212620_C001Ice Range Averaging StatusThe Ice Range Averaging Status Flag ha	more re re more more more more more more
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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. 74

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20190112T000334_20190112T001416_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_GOPM_2_20190112T001953_20190112T003730_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_GOPM_2_20190112T010303_20190112T011001_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_GOPM_2_20190112T012254_20190112T012901_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_GOPM_2_20190112T013104_20190112T013638_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190112T014240_20190112T021556_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_GOPM_2_20190112T022949_20190112T023049_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_GOPM_2_20190112T024911_20190112T030819_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_GOPM_2_20190112T031025_20190112T031534_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190112T042013_20190112T042433_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_GOPM_2_20190112T042529_20190112T044306_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_GOPM_2_20190112T050141_20190112T051909_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_GOPM_2_20190112T052338_20190112T053047_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_GOPM_2_20190112T055044_20190112T060832_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_GOPM_2_20190112T060955_20190112T062348_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_GOPM_2_20190112T063146_20190112T063346_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20190112T063454_20190112T063848_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20190112T064032_20190112T065606_C001 CS OFFL SIR GOPM 2 20190112T065808 20190112T070732 C001 CS_OFFL_SIR_GOPM_2_20190112T072543_20190112T072653_C001 CS_OFFL_SIR_GOPM_2_20190112T073538_20190112T074634_C001 CS_OFFL_SIR_GOPM_2_20190112T080952_20190112T081750_C001 CS_OFFL_SIR_GOPM_2_20190112T082015_20190112T083513_C001 CS OFFL SIR GOPM 2 20190112T091208 20190112T094552 C001 CS OFFL SIR GOPM 2 20190112T094825 20190112T095034 C001 CS_OFFL_SIR_GOPM_2_20190112T095100_20190112T095636_C001 CS_OFFL_SIR_GOPM_2_20190112T095914_20190112T102426_C001 CS_OFFL_SIR_GOPM_2_20190112T105602_20190112T110735_C001 CS_OFFL_SIR_GOPM_2_20190112T111311_20190112T112353_C001 CS_OFFL_SIR_GOPM_2_20190112T113034_20190112T113510_C001 CS_OFFL_SIR_GOPM_2_20190112T113607_20190112T113628_C001 CS_OFFL_SIR_GOPM_2_20190112T113814_20190112T115856_C001 CS OFFL SIR GOPM 2 20190112T115859 20190112T120613 C001 CS_OFFL_SIR_GOPM_2_20190112T123019_20190112T130311_C001 CS_OFFL_SIR_GOPM_2_20190112T130943_20190112T131516_C001 CS OFFL SIR GOPM 2 20190112T131704 20190112T132303 C001 CS_OFFL_SIR_GOPM_2_20190112T135413_20190112T135559_C001 CS_OFFL_SIR_GOPM_2_20190112T140926_20190112T144309_C001 CS OFFL SIR GOPM 2 20190112T144847 20190112T145359 C001 CS_OFFL_SIR_GOPM_2_20190112T145601_20190112T151542_C001 CS OFFL SIR GOPM 2 20190112T154722 20190112T162108 C001 CS OFFL SIR GOPM 2 20190112T162517 20190112T162846 C001 CS OFFL SIR GOPM 2 20190112T162903 20190112T163300 C001 CS_OFFL_SIR_GOPM_2_20190112T163651_20190112T170403_C001 CS_OFFL_SIR_GOPM_2_20190112T170420_20190112T171124_C001 CS_OFFL_SIR_GOPM_2_20190112T171252_20190112T171531_C001 CS OFFL SIR GOPM 2 20190112T172813 20190112T173825 C001 CS_OFFL_SIR_GOPM_2_20190112T174306_20190112T180043_C001 CS_OFFL_SIR_GOPM_2_20190112T180803_20190112T181002_C001 CS OFFL SIR GOPM 2 20190112T181829 20190112T183122 C001 CS_OFFL_SIR_GOPM_2_20190112T183336_20190112T184600_C001 CS_OFFL_SIR_GOPM_2_20190112T184810_20190112T184959_C001 CS OFFL SIR GOPM 2 20190112T191259 20190112T192325 C001 CS_OFFL_SIR_GOPM_2_20190112T192504_20190112T193934_C001 CS OFFL SIR GOPM 2 20190112T194151 20190112T194655 C001 CS OFFL SIR GOPM 2 20190112T194702 20190112T194713 C001 CS_OFFL_SIR_GOPM_2_20190112T194719_20190112T194834_C001 CS_OFFL_SIR_GOPM_2_20190112T201436_20190112T201714_C001 CS OFFL SIR GOPM 2 20190112T201837 20190112T202536 C001 CS_OFFL_SIR_GOPM_2_20190112T205615_20190112T205938_C001 CS_OFFL_SIR_GOPM_2_20190112T210123_20190112T211852_C001 CS_OFFL_SIR_GOPM_2_20190112T212159_20190112T212611_C001 CS_OFFL_SIR_GOPM_2_20190112T212633_20190112T212820_C001 CS OFFL SIR GOPM 2 20190112T213228 20190112T220709 C001 CS_OFFL_SIR_GOPM_2_20190112T223303_20190112T225822_C001 CS_OFFL_SIR_GOPM_2_20190112T230001_20190112T230525_C001 CS OFFL SIR GOPM 2 20190112T231210 20190112T232325 C001 CS_OFFL_SIR_GOPM_2_20190112T232902_20190112T234432_C001 SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

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more records. The Ice Backscatter Averaging Status Flag has been set for one or more

records.

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.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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.

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

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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.

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

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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.

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

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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.

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.

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

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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.

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.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

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.

	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_GOPN_2_20190112T180046_20190112T180226_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
	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_GOPN_2_20190112T201714_20190112T201837_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
	SWH Averaging Status, Ocean Backscatter Averaging Status	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:

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).

0

55

Number of products with errors:

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:

or one or more records
r

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. 28

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220190111T235626_20190112T004606_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T004606_20190112T013540_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_220190112T013540_20190112T022519_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T022519_20190112T031454_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_220190112T040433_20190112T045407_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T045407_20190112T054346_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T054346_20190112T063321_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_220190112T063321_20190112T072300_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T072300_20190112T081234_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_220190112T081234_20190112T090214_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_220190112T090214_20190112T095148_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_220190112T095148_20190112T104127_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_220190112T104127_20190112T113101_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T113101_20190112T122041_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_220190112T122041_20190112T131015_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T131015_20190112T135954_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_220190112T135954_20190112T144929_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOP_220190112T144929_20190112T153908_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_20190112T153908_20190112T162842_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_20190112T162842_20190112T171822_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_20190112T171822_20190112T180755_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_20190112T180755_20190112T185735_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T185735_20190112T194709_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_20190112T194709_20190112T203649_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T203649_20190112T212623_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_20190112T212623_20190112T221602_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_20190112T221602_20190112T230536_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_220190112T230536_20190112T235516_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.

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. 28

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220190111T235626_20190112T004606_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_220190112T004606_20190112T013540_C001	SWH Averaging Status, Ocean 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_20190112T013540_20190112T022519_C001	SWH Averaging Status, Ocean 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_20190112T022519_20190112T031454_C001	SWH Averaging Status, Ocean 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_20190112T040433_20190112T045407_C001	SWH Averaging Status, Ocean 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_20190112T045407_20190112T054346_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_220190112T054346_20190112T063321_C001	SWH Averaging Status, Ocean 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_20190112T063321_20190112T072300_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_20190112T072300_20190112T081234_C001	SWH Averaging Status, Ocean 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_20190112T081234_20190112T090214_C001	SWH Averaging Status, Ocean 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_20190112T090214_20190112T095148_C001	SWH Averaging Status, Ocean 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_20190112T095148_20190112T104127_C001	SWH Averaging Status, Ocean 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_20190112T104127_20190112T113101_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_20190112T113101_20190112T122041_C001	SWH Averaging Status, Ocean 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_20190112T122041_20190112T131015_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_20190112T131015_20190112T135954_C001	SWH Averaging Status, Ocean 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_20190112T135954_20190112T144929_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_20190112T144929_20190112T153908_C001	SWH Averaging Status, Ocean 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_20190112T153908_20190112T162842_C001	SWH Averaging Status, Ocean 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_20190112T162842_20190112T171822_C001	SWH Averaging Status, Ocean 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_20190112T171822_20190112T180755_C001	SWH Averaging Status, Ocean 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_20190112T180755_20190112T185735_C001	SWH Averaging Status, Ocean 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_220190112T185735_20190112T194709_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_220190112T194709_20190112T203649_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_220190112T203649_20190112T212623_C001	SWH Averaging Status, Ocean 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_220190112T212623_20190112T221602_C001	SWH Averaging Status, Ocean 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_220190112T221602_20190112T230536_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_20190112T230536_20190112T235516_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice 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.

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: 27

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220190112T004606_20190112T013540_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T013540_20190112T022519_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T022519_20190112T031454_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T040433_20190112T045407_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T045407_20190112T054346_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T054346_20190112T063321_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T063321_20190112T072300_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T072300_20190112T081234_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T081234_20190112T090214_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T090214_20190112T095148_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T095148_20190112T104127_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T104127_20190112T113101_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T113101_20190112T122041_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T122041_20190112T131015_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T131015_20190112T135954_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T135954_20190112T144929_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T144929_20190112T153908_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T153908_20190112T162842_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T162842_20190112T171822_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T171822_20190112T180755_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T180755_20190112T185735_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T185735_20190112T194709_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20190112T194709_20190112T203649_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T203649_20190112T212623_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T212623_20190112T221602_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T221602_20190112T230536_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220190112T230536_20190112T235516_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.