

Report Proce

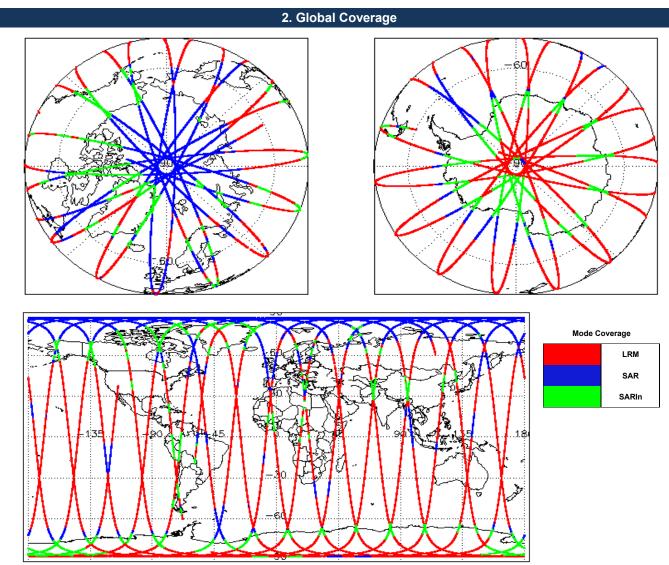
IDEAS+ Daily Report for GOP data:

<u>11/02/2018</u>

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1. Overview				
13 Mar 2018	Check	L1 & L2	P2P	
13-Mai-2016	Server check: science-pds.cryosat.esa.int	Nominal	Nominal	
Crucest Ocean Broccoor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal	
cessor Used: CryoSat Ocean Processor	Product Software Check	Nominal	Nominal	
Data Used: Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal	
	Product Header Analysis	Nominal	Nominal	
	Auxiliary Data File Usage Check	Nominal	Nominal	
	Auxiliary Correction Error Check	Nominal	Nominal	
	Measurement Confidence Data Check	See Section 4.6	Nominal	
	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	
		CryoSat Ocean Processor Check Geophysical Ocean Products (GOP) Product Software Check L1B, L2 & P2P Science Data Product Format Check Auxiliary Data File Usage Check Auxiliary Correction Error Check Measurement Confidence Data Check Range, SWH & Backscatter Measurement Check	13-Mar-2018 Check L1 & L2 CryoSat Ocean Processor Server check: science-pds.cryosat.esa.int Nominal Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data Product Format Check Nominal Product Software Check Nominal Nominal Auxiliary Data File Usage Check Nominal Auxiliary Correction Error Check Nominal Measurement Confidence Data Check See Section 4.6 Range, SWH & Backscatter Measurement Check See Section 5.6, 5.7	

Mission / Instrument News 10-Feb-2018 None 11-Feb-2018 None





3. Instrument Configuration

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

SIRAL - A

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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

ach product is checked for missing Data Set Descriptors with respect to a pro	e-determined baseline and also to	check the validity of Auxiliary Data Files is correct.
umber of products with errors: 0		
I.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag for each measurement recor	d. The bit value of this flag indicat	es any problems when set.
Number of products with errors: 0		
4.5 L1B Measurement Confidence Data Check		
	ment record. The hit value of this f	ag indicates any problems when act
CryoSat L1B data includes a measurement confidence flag for each measurer		ay indicates any problems when set.
Number of products with errors: 0		
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag for each measurement record	d. The bit value of this flag indicate	es any problems when set.
Loss of Echo Flag: This flag is currently set for products over land, but this is	to be expected.	
Number of products with errors: 15		
Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180211T045949_20180211T050107_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180211T125849_20180211T130220_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180211T205506_20180211T212718_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180211T032348_20180211T032414_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180211T082045_20180211T082242_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180211T105506_20180211T105703_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180211T173310_20180211T173422_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180211T214006_20180211T214342_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180211T214429_20180211T214508_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180211T232357_20180211T232525_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180211T001847_20180211T002043_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180211T113037_20180211T113527_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180211T145816_20180211T150701_C001 CS_OFFL_SIR_GOPR1B_20180211T164309_20180211T164437_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180211T195234_20180211T195950_C001	Loss of Echo	The tracking echo is missing for one or more records
5. G	OP Level 2 Data Qu	ality Check
5.1 L2 Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to	ensure it consists of both an XML	header file (.HDR) and a binary product file (.DBL).
Number of products with errors: 0		
5.2 L2 Product Header Analysis		
For all products, a series of pre-defined checks are performed on the MPH an	d SPH in order to identify any inco	nsistencies 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 pro	e-determined baseline and also to	check the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
5.4 L2 Auxiliary Correction Error Check		
•		
For all products, the auxiliary corrections within the Geophysical Group are ch	ecked for the default error value (s2707).
Number of products with errors: 0		
5.5 L2 Measurement Confidence Data Check		this flow indicates and markless of a set
5.5 L2 Measurement Confidence Data Check CryoSat L2 data includes a measurement confidence flag for each 20-Hz mea	surement record. The bit value of	this flag indicates any problems when set.
5.5 L2 Measurement Confidence Data Check CryoSat L2 data includes a measurement confidence flag for each 20-Hz mea	surement record. The bit value of	this flag indicates any problems when set.
5.5 L2 Measurement Confidence Data Check CryoSat L2 data includes a measurement confidence flag for each 20-Hz mea	surement record. The bit value of	this flag indicates any problems when set.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 79

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180211T002043_20180211T003203_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T003744_20180211T004538_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T004703_20180211T005201_C001		The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20180211T005452_20180211T010259_C001 CS OFFL SIR GOPM 2 20180211T010450 20180211T012040 C001 CS_OFFL_SIR_GOPM_2_20180211T015709_20180211T023107_C001 CS_OFFL_SIR_GOPM_2_20180211T023614_20180211T024139_C001 CS_OFFL_SIR_GOPM_2_20180211T024408_20180211T030927_C001 CS_OFFL_SIR_GOPM_2_20180211T034303_20180211T035244_C001 CS OFFL SIR GOPM 2 20180211T035821 20180211T040946 C001 CS OFFL SIR GOPM 2 20180211T041542 20180211T042142 C001 CS_OFFL_SIR_GOPM_2_20180211T042306_20180211T044451_C001 CS_OFFL_SIR_GOPM_2_20180211T045949_20180211T050107_C001 CS OFFL SIR GOPM 2 20180211T051508 20180211T054859 C001 CS_OFFL_SIR_GOPM_2_20180211T055451_20180211T060020_C001 CS OFFL SIR GOPM 2 20180211T060149 20180211T060808 C001 CS_OFFL_SIR_GOPM_2_20180211T063909_20180211T064116_C001 CS_OFFL_SIR_GOPM_2_20180211T065433_20180211T070527_C001 CS OFFL SIR GOPM 2 20180211T070540 20180211T072837 C001 CS_OFFL_SIR_GOPM_2_20180211T073353_20180211T073907_C001 CS_OFFL_SIR_GOPM_2_20180211T074039_20180211T080045_C001 CS_OFFL_SIR_GOPM_2_20180211T083239_20180211T090631_C001 CS_OFFL_SIR_GOPM_2_20180211T090929_20180211T091353_C001 CS_OFFL_SIR_GOPM_2_20180211T091412_20180211T091805_C001 CS OFFL SIR GOPM 2 20180211T092000 20180211T092443 C001 CS_OFFL_SIR_GOPM_2_20180211T092454_20180211T095626_C001 CS OFFL SIR GOPM 2 20180211T095749 20180211T100039 C001 CS OFFL SIR GOPM 2 20180211T101617 20180211T102333 C001 CS OFFL SIR GOPM 2 20180211T102814 20180211T104557 C001 CS_OFFL_SIR_GOPM_2_20180211T104735_20180211T105251_C001 CS_OFFL_SIR_GOPM_2_20180211T105310_20180211T105506_C001 CS_OFFL_SIR_GOPM_2_20180211T110318_20180211T111628_C001 CS OFFL SIR GOPM 2 20180211T111842 20180211T113037 C001 CS_OFFL_SIR_GOPM_2_20180211T115809_20180211T120834_C001 CS_OFFL_SIR_GOPM_2_20180211T121013_20180211T122512_C001 CS OFFL SIR GOPM 2 20180211T122700 20180211T123202 C001 CS_OFFL_SIR_GOPM_2_20180211T123209_20180211T123220_C001 CS_OFFL_SIR_GOPM_2_20180211T123226_20180211T123340_C001 CS OFFL SIR GOPM 2 20180211T124034 20180211T124132 C001 CS_OFFL_SIR_GOPM_2_20180211T124738_20180211T125247_C001 CS OFFL SIR GOPM 2 20180211T125849 20180211T130220 C001 CS OFFL SIR GOPM 2 20180211T130343 20180211T131053 C001 CS_OFFL_SIR_GOPM_2_20180211T134235_20180211T140418_C001 CS_OFFL_SIR_GOPM_2_20180211T140720_20180211T141119_C001 CS OFFL SIR GOPM 2 20180211T141725 20180211T144612 C001 CS_OFFL_SIR_GOPM_2_20180211T151814_20180211T154350_C001 CS_OFFL_SIR_GOPM_2_20180211T154508_20180211T155032_C001 CS_OFFL_SIR_GOPM_2_20180211T155039_20180211T155404_C001 CS_OFFL_SIR_GOPM_2_20180211T155638_20180211T160831_C001 CS OFFL SIR GOPM 2 20180211T161409 20180211T163005 C001 CS_OFFL_SIR_GOPM_2_20180211T170128_20180211T171415_C001 CS_OFFL_SIR_GOPM_2_20180211T171700_20180211T172332_C001 CS OFFL SIR GOPM 2 20180211T172509 20180211T173310 C001 CS_OFFL_SIR_GOPM_2_20180211T173541_20180211T181023_C001 Ice Range Averaging Status Ocean Range Averaging 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CS_OFFL_SIR_GOPM_2_20180211T184621_20180211T190311_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T190444_20180211T190958_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T191522_20180211T193809_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T194055_20180211T195029_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T200213_20180211T200239_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T200334_20180211T200636_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T202106_20180211T202705_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T202853_20180211T204216_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T205506_20180211T212718_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T214508_20180211T215202_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T215219_20180211T221636_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T222611_20180211T222806_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T223020_20180211T223303_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T223435_20180211T230339_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T232004_20180211T232357_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T232525_20180211T232722_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180211T232925_20180211T234112_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180211T004539_20180211T004702_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180211T024139_20180211T024408_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180211T055123_20180211T055451_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180211T124133_20180211T124242_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180211T163005_20180211T163451_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180211T091915_20180211T091959_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180211T193809_20180211T194055_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180211T223431_20180211T223435_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more 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 76

Number of products with errors:

Product **Test Failed** Description SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180211T002043 20180211T003203 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180211T003744_20180211T004538_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180211T004703_20180211T005201_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180211T005452 20180211T010259 C001 Ice Backscatter Averaging Status ecords SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180211T010450_20180211T012040_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180211T015709_20180211T023107_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180211T023614 20180211T024139 C001 Ice Backscatter Averaging Status records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180211T024408_20180211T030927_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180211T034303 20180211T035244 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180211T035821 20180211T040946 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180211T041542_20180211T042142_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180211T042306_20180211T044451_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_GOPM_2_20180211T045949_20180211T050107_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180211T051508_20180211T054859_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180211T055451 20180211T060020 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180211T060149_20180211T060808_C001 Backscatter Averaging Status more records. The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_GOPM_2_20180211T063909_20180211T064116_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180211T065433_20180211T070527_C001 Backscatter Averaging Status more records.

CS_OFFL_SIR_GOPM_2_20180211T070540_20180211T072837_C001 CS_OFFL_SIR_GOPM_2_20180211T073353_20180211T073907_C001 CS_OFFL_SIR_GOPM_2_20180211T074039_20180211T080045_C001 CS_OFFL_SIR_GOPM_2_20180211T083239_20180211T090631_C001 CS OFFL SIR GOPM 2 20180211T092000 20180211T092443 C001 CS_OFFL_SIR_GOPM_2_20180211T092454_20180211T095626_C001 CS OFFL SIR GOPM 2 20180211T095749 20180211T100039 C001 CS OFFL SIR GOPM 2 20180211T101617 20180211T102333 C001 CS_OFFL_SIR_GOPM_2_20180211T102814_20180211T104557_C001 CS_OFFL_SIR_GOPM_2_20180211T104735_20180211T105251_C001 CS OFFL SIR GOPM 2 20180211T105310 20180211T105506 C001 CS_OFFL_SIR_GOPM_2_20180211T110318_20180211T111628_C001 CS OFFL SIR GOPM 2 20180211T111842 20180211T113037 C001 CS_OFFL_SIR_GOPM_2_20180211T115809_20180211T120834_C001 CS_OFFL_SIR_GOPM_2_20180211T121013_20180211T122512_C001 CS OFFL SIR GOPM 2 20180211T122700 20180211T123202 C001 CS_OFFL_SIR_GOPM_2_20180211T123209_20180211T123220_C001 CS_OFFL_SIR_GOPM_2_20180211T123226_20180211T123340_C001 CS OFFL SIR GOPM 2 20180211T124034 20180211T124132 C001 CS_OFFL_SIR_GOPM_2_20180211T124738_20180211T125247_C001 CS_OFFL_SIR_GOPM_2_20180211T125849_20180211T130220_C001 CS OFFL SIR GOPM 2 20180211T130343 20180211T131053 C001 CS_OFFL_SIR_GOPM_2_20180211T134235_20180211T140418_C001 CS OFFL SIR GOPM 2 20180211T140720 20180211T141119 C001 CS OFFL SIR GOPM 2 20180211T141725 20180211T144612 C001 CS OFFL SIR GOPM 2 20180211T151814 20180211T154350 C001 CS_OFFL_SIR_GOPM_2_20180211T154508_20180211T155032_C001 CS_OFFL_SIR_GOPM_2_20180211T155039_20180211T155404_C001 CS_OFFL_SIR_GOPM_2_20180211T155638_20180211T160831_C001 CS OFFL SIR GOPM 2 20180211T161409 20180211T163005 C001 CS_OFFL_SIR_GOPM_2_20180211T170128_20180211T171415_C001 CS_OFFL_SIR_GOPM_2_20180211T171700_20180211T172332_C001 CS OFFL SIR GOPM_2_20180211T172509_20180211T173310_C001 CS_OFFL_SIR_GOPM_2_20180211T173541_20180211T181023_C001 CS_OFFL_SIR_GOPM_2_20180211T184621_20180211T190311_C001 CS OFFL SIR GOPM 2 20180211T190444 20180211T190958 C001 CS_OFFL_SIR_GOPM_2_20180211T191522_20180211T193809_C001 CS_OFFL_SIR_GOPM_2_20180211T194055_20180211T195029_C001 CS OFFL SIR GOPM 2 20180211T200213 20180211T200239 C001 CS OFFL SIR GOPM 2 20180211T200334 20180211T200636 C001 CS_OFFL_SIR_GOPM_2_20180211T202853_20180211T204216_C001 CS_OFFL_SIR_GOPM_2_20180211T205506_20180211T212718_C001 CS_OFFL_SIR_GOPM_2_20180211T214508_20180211T215202_C001 CS OFFL SIR GOPM 2 20180211T215219 20180211T221636 C001 CS_OFFL_SIR_GOPM_2_20180211T222611_20180211T222806_C001 CS_OFFL_SIR_GOPM_2_20180211T223020_20180211T223303_C001 CS OFFL SIR GOPM 2 20180211T223435 20180211T230339 C001 CS_OFFL_SIR_GOPM_2_20180211T232004_20180211T232357_C001 CS_OFFL_SIR_GOPM_2_20180211T232525_20180211T232722_C001 CS OFFL SIR GOPM 2 20180211T232925 20180211T234112 C001 CS_OFFL_SIR_GOPN_2_20180211T004539_20180211T004702_C001

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 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 Ice Backscatter Averaging Status 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 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 SWH Averaging Status, Ocean

Backscatter Averaging Status

SWH Averaging Status, Ocean

SWH Averaging Status, Ocean

Backscatter Averaging Status

Backscatter Averaging Status

The SWH and Ocean Averaging Status Flags have been set for one or more record: 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 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 ecords 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 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 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 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 record 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 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 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 record 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_GOPN_2_20180211T024139_20180211T024408_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_GOPN_2_20180211T055123_20180211T055451_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180211T124133_20180211T124242_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_GOPN_2_20180211T163005_20180211T163451_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_GOPR_2_20180211T091915_20180211T091959_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_GOPR_2_20180211T193809_20180211T194055_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_GOPR_2_20180211T223431_20180211T223435_C001	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. 54

Number of products with errors:

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

6.1 P2P Product Format Check

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

6.2 P2P Product Header Analysis

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

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). 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:

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_220180211T000808_20180211T005744_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_220180211T005744_20180211T014722_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_220180211T014722_20180211T023657_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_220180211T023657_20180211T032635_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_220180211T032635_20180211T041611_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_220180211T041611_20180211T050549_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_220180211T050549_20180211T055525_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T055525_20180211T064502_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_220180211T064502_20180211T073438_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_220180211T073438_20180211T082416_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_220180211T082416_20180211T091352_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T091352_20180211T100330_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_220180211T100330_20180211T105305_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_220180211T105305_20180211T114243_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T114243_20180211T123219_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_220180211T123219_20180211T132157_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T132157_20180211T141132_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_0FFL_SIR_GOP_2_20180211T141132_20180211T150110_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOP_220180211T150110_20180211T155046_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_220180211T155046_20180211T164024_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_220180211T164024_20180211T173000_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_220180211T173000_20180211T181937_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T181937_20180211T190913_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_220180211T190913_20180211T195851_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T195851_20180211T204827_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T204827_20180211T213805_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T213805_20180211T222740_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_220180211T222740_20180211T231718_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_220180211T000808_20180211T005744_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_20180211T005744_20180211T014722_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_20180211T014722_20180211T023657_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_20180211T023657_20180211T032635_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_220180211T032635_20180211T041611_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_20180211T041611_20180211T050549_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_220180211T050549_20180211T055525_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_220180211T055525_20180211T064502_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_220180211T064502_20180211T073438_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_220180211T073438_20180211T082416_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_220180211T082416_20180211T091352_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_20180211T091352_20180211T100330_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_20180211T100330_20180211T105305_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_220180211T105305_20180211T114243_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_220180211T114243_20180211T123219_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_20180211T123219_20180211T132157_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_20180211T132157_20180211T141132_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_20180211T141132_20180211T150110_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_220180211T150110_20180211T155046_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_20180211T155046_20180211T164024_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_20180211T164024_20180211T173000_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_20180211T173000_20180211T181937_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_220180211T181937_20180211T190913_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_220180211T190913_20180211T195851_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_220180211T195851_20180211T204827_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_220180211T204827_20180211T213805_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_220180211T213805_20180211T222740_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_220180211T222740_20180211T231718_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.

25

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:	
Number of	products	with enois.	

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180211T000808_20180211T005744_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T014722_20180211T023657_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T023657_20180211T032635_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T032635_20180211T041611_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T041611_20180211T050549_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T050549_20180211T055525_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T055525_20180211T064502_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T064502_20180211T073438_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T073438_20180211T082416_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T082416_20180211T091352_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T091352_20180211T100330_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T100330_20180211T105305_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T105305_20180211T114243_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T114243_20180211T123219_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T123219_20180211T132157_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T132157_20180211T141132_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T141132_20180211T150110_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T150110_20180211T155046_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T155046_20180211T164024_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T164024_20180211T173000_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T173000_20180211T181937_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T190913_20180211T195851_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T204827_20180211T213805_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T213805_20180211T222740_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180211T222740_20180211T231718_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.