

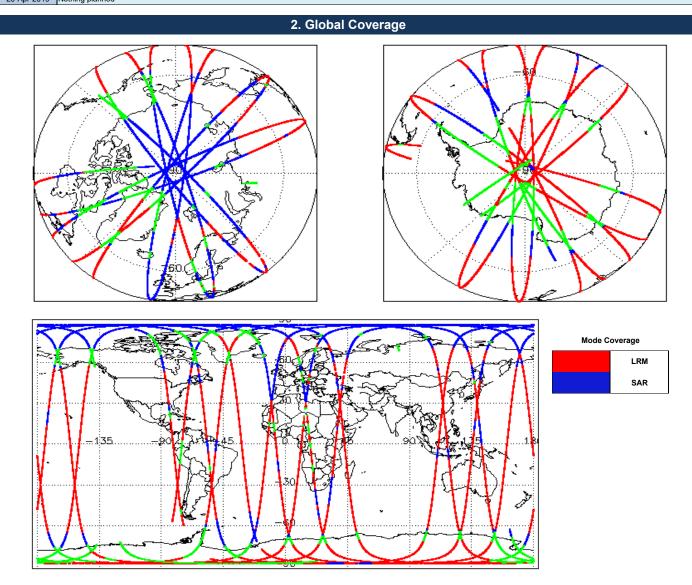
IDEAS+ Daily Report for IOP data:

25/04/2019



1. Overview				
Den ert Dreductions	20 Arr 2010	Check	L1 & L2	P2P
Report Production:	29-Apr-2019	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Duccescouldered	essor Used: CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:		Product Software Check	Nominal	Nominal
Intermediate Ocean Products (IOP)	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	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

Mission / Instrument News 24-Apr-2019 None 25-Apr-2019 SIRAL unavailability on 25-Apr-2019 from approximately 03:29:00 to 06:52:10 and also from approximately 16:01:00 to 19:11:39 due to a planned roll campaign. 26-Apr-2019 Nothing planned



3. Instrument Configuration

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

SIRAL - A

0

SIRAL instrument(s) in use:

4. IOP 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	e-determined baseline and also to the	ek the validity of Auxiliany Data Files is correct
ach product is checked for missing Data Set Descriptors with respect to a pr lumber of products with errors: 0	e-determined baseline and also to cheo	ck the validity of Auxiliary Data Files is correct.
.4 L1B Auxiliary Correction Error Check		
ryoSat L1B data includes a correction error flag for each measurement reco	rd. The bit value of this flag indicates ar	ny problems when set.
umber of products with errors: 0		
.5 L1B Measurement Confidence Data Check		
	mont record. The hit value of this flag in	ndiastas any problems when act
ryoSat L1B data includes a measurement confidence flag for each measure ttitude Correction Missing: This flag is currently set in error for IOPR prod	-	
umber of products with errors: 0		s being investigated and will be updated in the next Svy update.
.6 L1B Waveform Group Data Check		
ryoSat L1B data includes a waveform data flag for each measurement recor	d. The bit value of this flag indicates an	ly problems when set.
oss of Echo Flag: This flag is currently set for products over land, but this is	-	
umber of products with errors: 8		
roduct	Test Failed	Description
S_OFFL_SIR_IOPN1B_20190425T011056_20190425T011217_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOPN1B_20190425T091721_20190425T091821_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOPN1B_20190425T110007_20190425T110312_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOPN1B_20190425T141457_20190425T141757_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOPN1B_20190425T141910_20190425T142125_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOPR1B_20190425T013317_20190425T013531_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOPR1B_20190425T125200_20190425T125525_C001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOPR1B_20190425T223302_20190425T224017_C001	Loss of Echo	The tracking echo is missing for one or more records
5. 10	OP Level 2 Data Quality	y Check
	OP Level 2 Data Quality	y Check
5.1 L2 Product Format Check		
5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to		
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5.1 L2 Product Format Check iach product, retrieved and unpacked from the science server, is checked to		
5.1 L2 Product Format Check Each product, retrieved and unpacked from the science server, is checked to lumber of products with errors: 0 5.2 L2 Product Header Analysis	ensure it consists of both an XML head	ler file (.HDR) and a binary product file (.DBL).
5.1 L2 Product Format Check iach product, retrieved and unpacked from the science server, is checked to lumber of products with errors: 0 5.2 L2 Product Header Analysis ior all products, a series of pre-defined checks are performed on the MPH and	ensure it consists of both an XML head	ler file (.HDR) and a binary product file (.DBL).
5.1 L2 Product Format Check iach product, retrieved and unpacked from the science server, is checked to lumber of products with errors: 0 5.2 L2 Product Header Analysis or all products, a series of pre-defined checks are performed on the MPH an lumber of products with errors: 0	ensure it consists of both an XML head	ler file (.HDR) and a binary product file (.DBL).
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5.1 L2 Product Format Check iach product, retrieved and unpacked from the science server, is checked to lumber of products with errors: 0 5.2 L2 Product Header Analysis ior all products, a series of pre-defined checks are performed on the MPH an lumber of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check iach product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect is checked for missing Data Set Descriptors with respect is checked for missing Data Set Descriptors with respect is checked for missing Data Set Descriptor set Data Set Descriptors with respect is	ensure it consists of both an XML head d SPH in order to identify any inconsist	ler file (.HDR) and a binary product file (.DBL). tencies and/or errors raised by the ground-segment processing chain.
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6.1 L2 Product Format Check ach product, retrieved and unpacked from the science server, is checked to tumber of products with errors: 0 6.2 L2 Product Header Analysis or all products, a series of pre-defined checks are performed on the MPH an tumber of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check ach product is checked for missing Data Set Descriptors with respect to a producter of products with errors: 0 5.4 L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are cherter of products with errors: 0 5.5 L2 Measurement Confidence Data Check tryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement of products with errors: 0 5.6 L2 Range Measurement Check	ensure it consists of both an XML head d SPH in order to identify any inconsist e-determined baseline and also to chec tecked for the default error value (3276 asurement record. The bit value of this f	ter file (.HDR) and a binary product file (.DBL). tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. 7). flag indicates any problems when set.
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.1 L2 Product Format Check ach product, retrieved and unpacked from the science server, is checked to umber of products with errors: 0 .2 L2 Product Header Analysis or all products, a series of pre-defined checks are performed on the MPH an umber of products with errors: 0 .3 L2 Auxiliary Data File Usage Check ach product is checked for missing Data Set Descriptors with respect to a pr umber of products with errors: 0 .4 L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are ch umber of products with errors: 0 .5 L2 Measurement Confidence Data Check ryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement of products with errors: 0 .6 L2 Range Measurement Check 0 ryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for europs anditional issues which may arise from this test	ensure it consists of both an XML head d SPH in order to identify any inconsist e-determined baseline and also to chec tecked for the default error value (3276 asurement record. The bit value of this f each measurement record. The bit value teck which are expected due to surfa	ter file (.HDR) and a binary product file (.DBL). tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. 7). flag indicates any problems when set. te of this flag indicates any problems when set. ce type. All common flags are summarised in the list below, followed by a
.1 L2 Product Format Check ach product, retrieved and unpacked from the science server, is checked to umber of products with errors: 0 .2 L2 Product Header Analysis or all products, a series of pre-defined checks are performed on the MPH an umber of products with errors: 0 .3 L2 Auxiliary Data File Usage Check ach product is checked for missing Data Set Descriptors with respect to a pr umber of products with errors: 0 .4 L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are ch umber of products with errors: 0 .5 L2 Measurement Confidence Data Check ryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement of products with errors: 0 .6 L2 Range Measurement Check 0 ryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for our urrently, there are two common status flags raised in the Level 2 produble highlighting any additional issues which may arise from this test. cean Range Averaging Status Flag: This flag is currently set for products	ensure it consists of both an XML head d SPH in order to identify any inconsist e-determined baseline and also to chec necked for the default error value (3276 asurement record. The bit value of this f each measurement record. The bit valu icts which are expected due to surfa	ter file (.HDR) and a binary product file (.DBL). tencies and/or errors raised by the ground-segment processing chain. ck the validity of Auxiliary Data Files is correct. 7). flag indicates any problems when set. te of this flag indicates any problems when set. ce type. All common flags are summarised in the list below, followed by a
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CS_OFFL_SIR_IOPM_2_201904251004312_201904251004433_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_IOPM_2_20190425T004915_20190425T005657_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190425T011217_20190425T011522_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190425T011749_20190425T013317_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190425T013531_20190425T015024_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190425T020004_20190425T020423_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190425T020610_20190425T022102_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

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

CS_OFFL_SIR_IOPM_2_20190425T022241_20190425T023850_C001 CS OFFL SIR IOPM 2 20190425T030050 20190425T031231 C001 CS_OFFL_SIR_IOPM_2_20190425T031708_20190425T032900_C001 CS_OFFL_SIR_IOPM_2_20190425T065610_20190425T070206_C001 CS OFFL SIR IOPM 2 20190425T070339 20190425T072709 C001 CS OFFL SIR IOPM 2 20190425T074005 20190425T074203 C001 CS OFFL SIR IOPM 2 20190425T075454 20190425T082906 C001 CS OFFL SIR IOPM 2 20190425T083517 20190425T084037 C001 CS_OFFL_SIR_IOPM_2_20190425T084218_20190425T084554_C001 CS_OFFL_SIR_IOPM_2_20190425T084713_20190425T084835_C001 CS OFFL SIR IOPM 2 20190425T091821 20190425T092217 C001 CS_OFFL_SIR_IOPM_2_20190425T093443_20190425T094321_C001 CS OFFL SIR IOPM 2 20190425T094607 20190425T100824 C001 CS_OFFL_SIR_IOPM_2_20190425T101525_20190425T101932_C001 CS_OFFL_SIR_IOPM_2_20190425T102129_20190425T103438_C001 CS OFFL SIR IOPM 2 20190425T103625 20190425T104231 C001 CS OFFL SIR IOPM 2 20190425T111333 20190425T114647 C001 CS_OFFL_SIR_IOPM_2_20190425T114913_20190425T115417_C001 CS OFFL SIR IOPM 2 20190425T115437 20190425T115743 C001 CS_OFFL_SIR_IOPM_2_20190425T120153_20190425T120222_C001 CS_OFFL_SIR_IOPM_2_20190425T120517_20190425T123610_C001 CS OFFL SIR IOPM 2 20190425T125525 20190425T130402 C001 CS_OFFL_SIR_IOPM_2_20190425T130540_20190425T132617_C001 CS OFFL SIR IOPM 2 20190425T132808 20190425T133315 C001 CS OFFL SIR IOPM 2 20190425T133353 20190425T133521 C001 CS_OFFL_SIR_IOPM_2_20190425T134258_20190425T135252_C001 CS_OFFL_SIR_IOPM_2_20190425T135912_20190425T141053_C001 CS_OFFL_SIR_IOPM_2_20190425T143313_20190425T144902_C001 CS_OFFL_SIR_IOPM_2_20190425T145041_20190425T150506_C001 CS OFFL SIR IOPM 2 20190425T150726 20190425T151225 C001 CS_OFFL_SIR_IOPM_2_20190425T151250_20190425T151300_C001 CS_OFFL_SIR_IOPM_2_20190425T152413_20190425T153617_C001 CS OFFL SIR IOPM 2 20190425T153620 20190425T154250 C001 CS_OFFL_SIR_IOPM_2_20190425T193429_20190425T194044_C001 CS_OFFL_SIR_IOPM_2_20190425T195737_20190425T200357_C001 CS OFFL SIR IOPM 2 20190425T200546 20190425T201129 C001 CS_OFFL_SIR_IOPM_2_20190425T201704_20190425T205048_C001 CS_OFFL_SIR_IOPM_2_20190425T210422_20190425T210519_C001 CS OFFL SIR IOPM 2 20190425T212103 20190425T214315 C001 CS OFFL SIR IOPM 2 20190425T214512 20190425T215022 C001 CS_OFFL_SIR_IOPM_2_20190425T215619_20190425T223049_C001 CS_OFFL_SIR_IOPM_2_20190425T224236_20190425T224342_C001 CS_OFFL_SIR_IOPM_2_20190425T230020_20190425T231913_C001 CS OFFL SIR IOPN 2 20190425T065356 20190425T065609 C001 CS_OFFL_SIR_IOPN_2_20190425T074324_20190425T074341_C001 CS_OFFL_SIR_IOPN_2_20190425T083202_20190425T083517_C001 CS OFFL SIR IOPN 2 20190425T123632 20190425T123749 C001 CS_OFFL_SIR_IOPN_2_20190425T200423_20190425T200546_C001 CS_OFFL_SIR_IOPR_2_20190425T091521_20190425T091654_C001

Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more record The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more ecords The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more ecords The Ocean Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more ecord The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more 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. 58

Number of products with errors:

roduct	Test Failed SWH Averaging Status, Ocean	Description The SWH and Ocean Averaging Status Flags have been set for one or
S_OFFL_SIR_IOPM_2_20190425T002709_20190425T004309_C001	Backscatter Averaging Status	more records.
S_OFFL_SIR_IOPM_2_20190425T004312_20190425T004433_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T004915_20190425T005657_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T011217_20190425T011522_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T011749_20190425T013317_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T013531_20190425T015024_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T020610_20190425T022102_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T022241_20190425T023850_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T030050_20190425T031231_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T031708_20190425T032900_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T065610_20190425T070206_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T070339_20190425T072709_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T074005_20190425T074203_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T075454_20190425T082906_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T083517_20190425T084037_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T084218_20190425T084554_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T084713_20190425T084835_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T091821_20190425T092217_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T093443_20190425T094321_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T094607_20190425T100824_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T101407_20190425T101519_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_IOPM_2_20190425T101525_20190425T101932_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_IOPM_2_20190425T102129_20190425T103438_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T103625_20190425T104231_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T111333_20190425T114647_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T114913_20190425T115417_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_IOPM_2_20190425T115437_20190425T115743_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_IOPM_2_20190425T120153_20190425T120222_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T120517_20190425T123610_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T125525_20190425T130402_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T130540_20190425T132617_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T132808_20190425T133315_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_IOPM_2_20190425T133353_20190425T133521_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_IOPM_2_20190425T134258_20190425T135252_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T135912_20190425T141053_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T143313_20190425T144902_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T145041_20190425T150506_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T150726_20190425T151225_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_IOPM_2_20190425T151250_20190425T151300_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or mor records.
S_OFFL_SIR_IOPM_2_20190425T152103_20190425T152331_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T152413_20190425T153617_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T153620_20190425T154250_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
S_OFFL_SIR_IOPM_2_20190425T193429_20190425T194044_C001	SWH Averaging Status Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190425T195737_20190425T200357_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or

CS_OFFL_SIR_IOPM_2_20190425T200546_20190425T201129_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190425T201704_20190425T205048_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_IOPM_2_20190425T210422_20190425T210519_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_IOPM_2_20190425T212103_20190425T214315_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_IOPM_2_20190425T214512_20190425T215022_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20190425T215619_20190425T223049_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_IOPM_2_20190425T224236_20190425T224342_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_IOPM_2_20190425T230020_20190425T231913_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_IOPN_2_20190425T065356_20190425T065609_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190425T074324_20190425T074341_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_IOPN_2_20190425T083202_20190425T083517_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190425T123632_20190425T123749_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20190425T200423_20190425T200546_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20190425T091521_20190425T091654_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. Number of products with errors: 37

6. IOP L2 Pole-to-Pole Data Quality Check				
6.1 P2P Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc). Number of products with errors: 0				
6.2 P2P Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0				
6.3 P2P Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0				
6.4 P2P Auxiliary Correction Error Check				
For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767). Number of products with errors: 0				
6.5 P2P Measurement Confidence Data Check				
CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. Number of products with errors: 0				

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.			
Number of products with errors: 20			
Product	Test Failed	Description	
CS_OFFL_SIR_IOP_220190425T001940_20190425T010920_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.	
CS_OFFL_SIR_IOP_220190425T010920_20190425T015854_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_IOP_220190425T015854_20190425T024833_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.	
CS_OFFL_SIR_IOP_220190425T024833_20190425T033807_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.	
CS_OFFL_SIR_IOP_220190425T065635_20190425T074614_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_IOP_220190425T074614_20190425T083548_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_IOP_220190425T083548_20190425T092528_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_IOP_220190425T092528_20190425T101502_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_IOP_220190425T101502_20190425T110441_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_IOP_220190425T110441_20190425T115415_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.	
CS_OFFL_SIR_IOP_220190425T115415_20190425T124355_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.	

Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
Ocean Range Averaging Status, Ice	The Ocean and Ice Range Averaging Status Flags have been set for one
Range Averaging Status	or more records.
Ocean Range Averaging Status, Ice	The Ocean and Ice Range Averaging Status Flags have been set for one
Range Averaging Status	or more records.
Ocean Range Averaging Status, Ice	The Ocean and Ice Range Averaging Status Flags have been set for one
Range Averaging Status	or more records.
Ocean Range Averaging Status, Ice	The Ocean and Ice Range Averaging Status Flags have been set for one
Range Averaging Status	or more records.
Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
Ocean Range Averaging Status, Ice	The Ocean and Ice Range Averaging Status Flags have been set for one
Range Averaging Status	or more records.
Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
	Ocean Range Averaging Status Ocean Range Averaging Status

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. 20

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220190425T001940_20190425T010920_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_IOP_220190425T010920_20190425T015854_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_IOP_220190425T015854_20190425T024833_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_IOP_220190425T024833_20190425T033807_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_IOP_220190425T065635_20190425T074614_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_IOP_220190425T074614_20190425T083548_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_IOP_220190425T083548_20190425T092528_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_IOP_220190425T092528_20190425T101502_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_IOP_220190425T101502_20190425T110441_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_IOP_220190425T110441_20190425T115415_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_IOP_220190425T115415_20190425T124355_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_IOP_220190425T124355_20190425T133329_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_IOP_220190425T133329_20190425T142308_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_IOP_220190425T142308_20190425T151242_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_IOP_220190425T151242_20190425T160222_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_IOP_220190425T192049_20190425T201023_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_IOP_220190425T201023_20190425T210003_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_IOP_220190425T210003_20190425T214937_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_IOP_220190425T214937_20190425T223916_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_IOP_220190425T223916_20190425T232850_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.

19

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:

CS_OFFL_SIR_IOP_2_20190425T001940_20190425T010920_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T015854_20190425T015854_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T015854_20190425T024833_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T024833_20190425T03807_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T024833_20190425T074614_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T074614_20190425T083548_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T092528_20190425T101502_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T110441_20190425T115415_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T110441_20190425T115415_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T115415_20190425T115415_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T124355_20190425T1433329_2001Ocean Retracking Quality FlagThe Ocean Retracking Quality	Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20190425T015854_20190425T024833_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T024833_20190425T033807_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T065635_20190425T074614_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T074614_20190425T083548_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T092528_20190425T101502_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T101502_20190425T110441_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T110441_20190425T115415_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T110441_20190425T124355_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T124355_20190425T124355_20190425T124355_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T124355_20190425T124355_20190425T124355_20190425T124355_20190425T124335_20190425T124335_20190425T124335_20190425T124335_20190425T124335_20190425T124335_20190425T124335_20190425T124335_20190425T124335_20190425T124335_20190425T124335_20190425T124335_20190425T124335_20190425T12433	CS_OFFL_SIR_IOP_220190425T001940_20190425T010920_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190425T024833_20190425T033807_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T065635_20190425T074614_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T074614_20190425T083548_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T092528_20190425T101502_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T101502_20190425T101502_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T101502_20190425T110441_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T110441_20190425T115415_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T115415_20190425T124355_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T124355_20190425T133329_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T133329_20190425T142308_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T133329_20190425T142308_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality	CS_OFFL_SIR_IOP_220190425T010920_20190425T015854_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190425T065635_20190425T074614_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T074614_20190425T083548_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T092528_20190425T101502_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T101502_20190425T101502_20190425T110441_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T110441_20190425T115415_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T115415_20190425T115415_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T124355_20190425T124355_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T124355_20190425T133329_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T133329_20190425T142308_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T133329_20190425T142308_C001Ocean Retracking Quality FlagThe Ocean Retracking Quality Flag has been set for one or more records.CS_OFFL_SIR_IOP_2_20190425T133329_20190425T142308_C001Ocean Retracking Quality FlagThe Ocean Ret	CS_OFFL_SIR_IOP_220190425T015854_20190425T024833_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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CS_OFFL_SIR_IOP_2_20190425T115415_20190425T124355_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190425T124355_20190425T133329_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190425T133329_20190425T142308_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190425T101502_20190425T110441_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190425T124355_20190425T142308_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20190425T133329_20190425T142308_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190425T110441_20190425T115415_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190425T133329_20190425T142308_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190425T115415_20190425T124355_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
	CS_OFFL_SIR_IOP_220190425T124355_20190425T133329_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190425T142308_20190425T151242_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190425T133329_20190425T142308_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
	CS_OFFL_SIR_IOP_220190425T142308_20190425T151242_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190425T151242_20190425T160222_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190425T151242_20190425T160222_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190425T192049_20190425T201023_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190425T192049_20190425T201023_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190425T201023_20190425T210003_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190425T201023_20190425T210003_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190425T210003_20190425T214937_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190425T210003_20190425T214937_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190425T214937_20190425T223916_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190425T214937_20190425T223916_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20190425T223916_20190425T232850_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220190425T223916_20190425T232850_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.