

## IDEAS+ Daily Report for OFFLINE and GOP data:





eport Production Date:	Data Used:	OFFLINE L1B and L2 Science Data	Geophysical Ocean Products (GOP) L1B and L2 Science Data
30-Apr-2015	Check	Status	Status
30-Api-2015	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
	Product Software Check	Nominal	Nominal
	Product Format Check	Nominal	Nominal
	Product Header Analysis	Nominal	Nominal
	Auxiliary Data File Usage Check	See Section 5.3	Nominal
	Auxiliary Correction Data Check	Nominal	Nominal
	Measurement Confidence Data Check	See Section 4.5 and 5.5	See Section 7.5, 7.6, 8.5 and 8.6

1. Overview

23-Mar-2015 Data generated with new Baseline-C IPFs but old GDR-D orbit files. 24-Mar-2015 Data generated with new Baseline-C IPFs but old GDR-D orbit files.

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## **Report Contents**

#### 2 Global Coverage

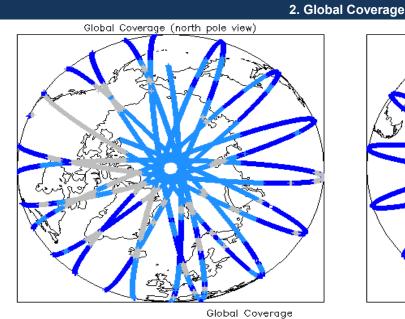
#### **OFFLINE Science Data** Level 1B Data Quality Check

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- L1B Auxiliary Correction Error Check 4.4
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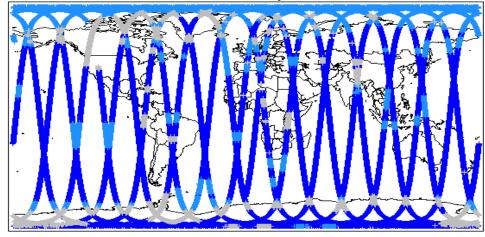
## **GOP Science Data**

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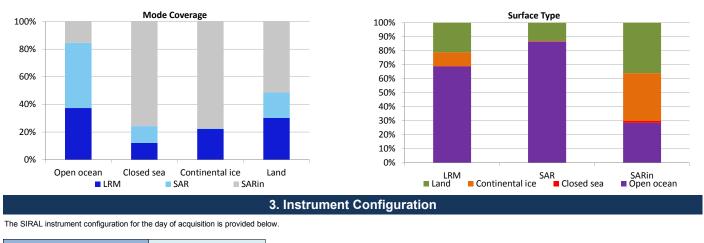


Global Coverage (south pole view)



#### Mode Coverage (%)

LRM	68.79
SAR	19.89
SIN	11.12



SIRAL instrument(s) in use: SIRAL - A

## 4. **OFFLINE** 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 product file (.DBL). Number of products with errors: 0

## 4.2 L1B Product Header Analysis

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

## 4.3 L1B Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0

### 4.4 L1B Auxiliary Correction Error Check

Each product is checked for auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.

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Number of products with errors:

## 4.5 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag word (field 18) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20150323T095733_20150323T095752_C001	Echo error	The tracking echo has returned an error
CS_OFFL_SIR_SIN_1B_20150323T232815_20150323T232826_C001	Echo error	The tracking echo has returned an error

## 5. **OFFLINE** Level 2 Data Quality Check

## 5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL). Number of products with errors: 0

## 5.2 L2 Product Header Analysis

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

# 5.3 L2 Auxiliary Data File Usage Check Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

CS_OFFL_SIR_GDR_2_20150323T225209_20150324T003122_C001 CS_OPER_AUX_ORBDOR_20150322T215525_Coverage missing for interval [2015-03-24T00:23:25, 20150324T002325, 0001 24T00:31:22]	Product	AUX File	Comment
	CS OFFE SIR GOR 2 201503231225209 201503241003122 C001		Coverage missing for interval [2015-03-24T00:23:25, 2015-03- 24T00:31:22]

## 5.4 L2 Auxiliary Correction Error Check

Each product is checked for auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.

Number of products with errors:

## 5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag word (field 50) for each 20-Hz measurement record. The bit value of this flag is an assessment of the measurement quality by the processing chain.

There are several common Quality Flag errors raised in the L2 products which are either expected due to operational mode or surface type, or are under investigation. These known issues are summarised below, followed by a table of any additional issues arising from this test.

Freeboard error: This flag is correctly set in all L2 SAR products that are not discriminated as sea-ice, and for which freeboard cannot be calculated.

SARin x-track angle error: This flag is set when the difference between the computed surface elevation and the DEM is >50m. The DEM is only available over Greenland and Antarctica and therefore this flag is set for L2 SIN products in all other locations.

Height error and Backscatter errors: The height error and backscatter error flags are set for a number of products over land areas, but this is to be expected.

SSHA interpolation error: This flag is currently set for a number of products in all modes. This issue is under investigation.

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Number of products with errors:

Bit OFFL SRI SRI 2, 20150321010152 20150321001056,0001         Peakhess enror         There is an error in the peakhess division           CS, OFFL, SRI SRI 2, 20150321010127,201503221010428,0001         Peakhess enror         There is an error in the peakhess division           CS, OFFL, SRI SRI 2, 20150321010127,20150321010428,0001         Peakhess enror         There is an error in the peakhess division           CS, OFFL, SRI SRI 2, 2015032101428,20150321101231,0001         Peakhess enror         There is an error in the peakhess division           CS, OFFL, SRI SRI 2, 20150321010231,0015021102231,0001         Peakhess enror         There is an error in the peakhess division           CS, OFFL, SRI SRI 2, 20150321010231,0015021102231,0001         Peakhess enror         There is an error in the peakhess division           CS, OFFL, SRI SRI 2, 20150321010023,0105032100010,001         Peakhess enror         There is an error in the peakhess division           CS, OFFL, SRI SRI 2, 20150321010023,0105032100010,001         Peakhess enror         There is an error in the peakhess division           CS, OFFL, SRI SRI 2, 2015032101012,0105321010010,001         Peakhess enror         There is an error in the peakhess division           CS, OFFL, SRI SRI 2, 2015032101012,0105321010012,001032	Product	Test Failed	Description
CS_OFTL_SIR_SAR_2_201503221701512_01503221701525_0001         Pakiness error         There is an error in the pakiness derivation           CS_OFTL_SIR_SAR_2_201503221701542_015032217015001         Pakiness error         There is an error in the pakiness derivation           CS_OFTL_SIR_SAR_2_2015032217015021         Pakiness error         There is an error in the pakiness derivation           CS_OFTL_SIR_SAR_2_201503221703502_0150321703220_001         Pakiness error         There is an error in the pakiness derivation           CS_OFTL_SIR_SAR_2_201503221703509_0150321703520_001         Pakiness error         There is an error in the pakiness derivation           CS_OFTL_SIR_SAR_2_201503221705309_0150321705140_001         Pakiness error         There is an error in the pakiness derivation           CS_OFTL_SIR_SAR_2_201503231705310_01001         Pakiness error         There is an error in the pakiness derivation           CS_OFTL_SIR_SAR_2_201503231705310_01001         Pakiness error         There is an error in the pakiness derivation           CS_OFTL_SIR_SAR_2_201503231706310_010001         Pakiness error         There is an error in the pakiness derivation           CS_OFTL_SIR_SAR_2_201503231706310_010001         Pakiness error         There is an error in the pakiness derivation           CS_OFTL_SIR_SAR_2_201503231706310_010000         Pakiness error         There is an error in the pakiness derivation           CS_OFTL_SIR_SAR_2_201503231706457_01503231706450_0100         Pakiness error			
CS_0FFL_SR_DAR_2_00150321701412_201503231701426_0001         Peakness error         There is an error in the peakness derivation           CS_0FFL_SR_DAR_2_00150321701427_001503231701491_0001         Peakness error         There is an error in the peakness derivation           CS_0FFL_SR_DAR_2_001503217022170_20150221702233_0001         Peakness error         There is an error in the peakness derivation           CS_0FFL_SR_DAR_2_00150321703246_00150237032742_001         Peakness error         There is an error in the peakness derivation           CS_0FFL_SR_DAR_2_001503217032038_0015030327032742_001         Peakness error         There is an error in the peakness derivation           CS_0FFL_SR_DAR_2_0015032705038_01215032705271001038_001         Peakness error         There is an error in the peakness derivation           CS_0FFL_SR_DAR_2_0150327050703700261_010010         Peakness error         There is an error in the peakness derivation           CS_0FFL_SR_DAR_2_0150327050703700261_010101         Peakness error         There is an error in the peakness derivation           CS_0FFL_SR_DAR_2_0150327050703700260_0011         Peakness error         There is an error in the peakness derivation           CS_0FFL_SR_DAR_2_0150327070427_001509337106930_0011         Peakness error         There is an error in the peakness derivation           CS_0FFL_SR_DAR_2_0150327106932_0010327106932_0011         Peakness error         There is an error in the peakness derivation           CS_0FFL_SR_DAR_2_01503271106327_015032311	CS_OFFL_SIR_SAR_220150323T010127_20150323T010316_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_201503217014257_2015032317014257_2015032317014257_20150323317014257_20150323317014257_20150323317014257_201503231704257_20150323170457_20150323170457_	CS_OFFL_SIR_SAR_220150323T013613_20150323T013905_C001	Peakiness error	There is an error in the peakiness derivation
CS_0FFL_SIR_SAR_2_00150321104394_2015032110333         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_00150321102321023733_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_001503211023040_20150321103274_0001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_00150321105030_01050321105010_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_0150322105030_2015032105010_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_015032105037_015032105101_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_015032105037_015032105101_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_015032105103_015032108210_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_0150323108221_00052_01503231082310_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_0150323110322_0150323110405_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_0150323110405_0150323110405_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_015032	CS_OFFL_SIR_SAR_220150323T014124_20150323T014248_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_015032170249_0215032170242_001         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_01500321702442_0150321702742_0011         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_01500321700308_021500321700101         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_01500321700307_01500321705100         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_01500321700301002217054010_0011         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_01500321700331_020321706403_0011         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_01500321701813_01500321706403_0011         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_01500321701813_01500321706403_0011         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_01500321701813_01500321706206_0011         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_01500321706852_01500321706201         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_015003216013_010032160203100852_010082_010092         Peakiness error         There is an error in the peakinese derivation           C	CS_OFFL_SIR_SAR_220150323T014257_20150323T014911_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFF_SIR_SAR_2_015032103204_0105032103274_0001         Peakiness error         There is an error in the peakiness derivation           CS_OFF_SIR_SAR_2_015032103008_015032103210         Peakiness error         There is an error in the peakiness derivation           CS_OFF_SIR_SAR_2_015032103008_015032105008_0101         Peakiness error         There is an error in the peakiness derivation           CS_OFF_SIR_SAR_2_015032105032015003_0150321051401_0001         Peakiness error         There is an error in the peakiness derivation           CS_OFF_SIR_SAR_2_0150321050321050321051401_0001         Peakiness error         There is an error in the peakiness derivation           CS_OFF_SIR_SAR_2_0150321050321051052105105101         Peakiness error         There is an error in the peakiness derivation           CS_OFF_SIR_SAR_2_0150321051013_0150321061851_0001         Peakiness error         There is an error in the peakiness derivation           CS_OFF_SIR_SAR_2_015032100523106252_015032106250_0001         Peakiness error         There is an error in the peakiness derivation           CS_OFF_SIR_SAR_2_015032106252_015032106250_0001         Peakiness error         There is an error in the peakiness derivation           CS_OFF_SIR_SAR_2_015032106252_015032110625_0001         Peakiness error         There is an error in the peakiness derivation           CS_OFF_SIR_SAR_2_015032110625_015032110625_01000         Peakiness error         There is an error in the peakiness derivation           CS_OFF_SIR_SAR_2_015032110635_015	CS_OFFL_SIR_SAR_220150323T014934_20150323T015051_C001	Peakiness error	There is an error in the peakiness derivation
CS_0FFL_SR_SAR2015032103000_2015032100502         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SR_SAR_2_015032105002_1015032105103_0001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SR_SAR_2_015032105002_10150321050401_0001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SR_SAR_2_0150321050221050221005021006262_0001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SR_SAR_2_0150321062621_20150321064623_0001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SR_SAR_2_0150321062210813210032108181_0001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SR_SAR_2_0150321082152_0150321008260_0001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SR_SAR_2_0150321008522_0150321008260_0001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SR_SAR_2_0150321100822_015032110082_0001         Peakiness error         There is an error in the peakines derivation           CS_0FFL_SR_SAR_2_015032110082_015032110082_0001         Peakiness error         There is an error in the peakines derivation           CS_0FFL_SR_SAR_2_015032111085_015032111485_0001         Peakiness error         There is an error in the peakines derivation           CS_0FFL_SR_SAR_2_015032111455_	CS_OFFL_SIR_SAR_220150323T022919_20150323T023233_C001	Peakiness error	There is an error in the peakiness derivation
CS_0FFL_SIR_SAR20150323T06038_20150323T067108_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_20150323T06038_20150323T061401_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_20150323T061307_20150323T06463_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_20150323T061687_20150323T06463_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_20150323T061687_20150323T06463_001         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_20150323T064250_0010         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_20150323T06250_20101         Peakiness error         There is an error in the peakiness derivation           CS_0FFL_SIR_SAR_2_20150323T106232100323T106327         Peakiness error         There is an error in the peakines derivation           CS_0FFL_SIR_SAR_2_20150323T106323T106323T106327         Peakiness error         There is an error in the peakines derivation           CS_0FFL_SIR_SAR_2_20150323T104537_20150323T10453_001         Peakiness error         There is an error in the peakines derivation           CS_0FFL_SIR_SAR_2_20150323T104537_20150323T10453_001         Peakiness error         There is an error in the peakines derivation           CS_0FFL_SIR_SAR_2_20150323T16455	CS_OFFL_SIR_SAR_220150323T032046_20150323T032742_C001	Peakiness error	There is an error in the peakiness derivation
CB_OFFL_SIR_SAR_2_201503231050023_015032105103_C001Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_201503231062621_01503231062620_0010Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_201503231062623_01504531_001032106423_0010Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_2015032310610323106423_0010Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_2015032310610323106423_0010Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_20150323106823_01050323106850_0010Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_20150323106852_01050323106850_0010Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_201503231100852_010503231106852_0010Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_20150323110637_201503231104653_0010Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_20150323111485_0010323114851_0011Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_20150323114557_00150323114411_001Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_20150323114557_00150323114543_0010Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_20150323116421_00150323116430_0011Peakiness errorThere is an error in the peakiness derivationCB_OFFL_SIR_SAR_2_20150323116430_0015032116430_0011Peakiness errorThere is an error in the pe	CS_OFFL_SIR_SAR_220150323T035009_20150323T035221_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_201903237061307_20190323706403_0001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_20190327066031_20190323706403_0001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_20190323706403_00190237084057_201903237084057_20190327008403_0001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_201903237084057_20190327008405_0001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_201903237084052_01903237084050_001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_201903237084051_20190322100025_0001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_201903237100025_01903237100025_0001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_201903237110022_01903237110027_001903237110485_001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_201903237114855_01903237114752_0011       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_201903237114855_01903237114752_0011       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_201903237116485_01903237116485_0011       Peakiness error       There is an error in the peakiness derivation	CS_OFFL_SIR_SAR_220150323T050308_20150323T050710_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_201503231062621_201503231062620_C001         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_20150323108167_20150323108131_C001         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_20150323108167_201503231082106_C001         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_201503231082106_C001         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_20150323108552_01503231008543_C001         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_20150323100852_01503231100827_C001         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_20150323110487_20150323110485_001         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_20150323114857_20150323114857_001         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_20150323114552_0150323116459         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_20150323116451_20150323116451         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_20150323114552_0150323116459         Peakiness error         There is an error in the peakiness derivation           CS_OFFL_SIR_SAR_2_	CS_OFFL_SIR_SAR_220150323T050923_20150323T051038_C001	Peakiness error	There is an error in the peakiness derivation
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CS_OFFL_SIR_SAR_2_20150323T132001_20150323T132728_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T141555_20150323T141752_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T14555_20150323T15049_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T15042_20150323T15134_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T151424_20150323T1515424_20150323T161601_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T162717_20150323T162011_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T162717_20150323T16291_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T163811_20150323T16450_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T10331T0731_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_0150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_0150323T181753_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181655_0150323T181730_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181655_0150323T181730_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T132626_0150323T24003_C001Peakiness error	CS_OFFL_SIR_SAR_220150323T104637_20150323T104853_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T141555_20150323T141755_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T145857_20150323T150439_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T150422_20150323T150439_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T15042_20150323T155925_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T161349_20150323T16101_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T163717_20150323T162913_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T16354_20150323T163558_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T16354_20150323T163508_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T163531120150323T164500_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T180393_20150323T18151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_20150323T18153_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181654_20150323T183730_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T195449_20150323T20447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T2320658_20150323T204047_C001Peakiness error <td< td=""><td>CS_OFFL_SIR_SAR_220150323T113855_20150323T114811_C001</td><td>Peakiness error</td><td>There is an error in the peakiness derivation</td></td<>	CS_OFFL_SIR_SAR_220150323T113855_20150323T114811_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T145857_20150323T150439_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T150942_20150323T15134_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T155424_20150323T155925_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T16149_20150323T161601_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T162012_20150323T162013_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T163504_20150323T16358_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T16351_20150323T16356_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T16351_20150323T16356_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T16351_20150323T16050_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T18034_20150323T180151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T180352_20150323T180151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T180352_20150323T180370_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T180532_20150323T180530_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T213226_20150323T214003_C001Peakiness errorThe	CS_OFFL_SIR_SAR_220150323T132001_20150323T132728_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T1510942_20150323T15134_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T155424_20150323T155925_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T161349_20150323T16101_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T162717_20150323T162913_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T163504_20150323T163558_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T163504_20150323T164500_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T17053_20150323T170731_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T18034_20150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T18034_20150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T18034_20150323T18151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_20150323T181730_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T13262_0150323T20447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T230858_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T230858_20150323T230950_C001Peakiness errorTh	CS_OFFL_SIR_SAR_220150323T141555_20150323T141752_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T155424_20150323T155925_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T161349_20150323T161601_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T162717_20150323T162913_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T163542_20150323T163558_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T16354_20150323T164500_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T170553_20150323T170731_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T18034_20150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_0150323T182153_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T183654_20150323T182153_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T183654_20150323T183730_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T192449_20150323T200447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T13226_20150323T213020447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T23323T23020447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T23323232323232323232323232323232323	CS_OFFL_SIR_SAR_220150323T145857_20150323T150439_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T161349_20150323T161601_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T162717_20150323T162913_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T163504_20150323T163558_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T163514_20150323T164500_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T16351_20150323T164500_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T170553_20150323T170731_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T18054_20150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_20150323T181515_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_20150323T182153_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T183654_20150323T183730_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T195449_20150323T214003_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T230256_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001Peakiness error <td>CS_OFFL_SIR_SAR_220150323T150942_20150323T151134_C001</td> <td>Peakiness error</td> <td>There is an error in the peakiness derivation</td>	CS_OFFL_SIR_SAR_220150323T150942_20150323T151134_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T162717_20150323T162913_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T163504_20150323T16358_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T163811_20150323T164500_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T170553_20150323T170731_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T180934_20150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_20150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_20150323T182153_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T183654_20150323T183730_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T23023T23020447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T23023T23023T23020447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T23023T23023T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T23023T23023T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T230050_C001Peakiness errorThere is an error in the pea	CS_OFFL_SIR_SAR_220150323T155424_20150323T155925_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T163504_20150323T163558_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T163811_20150323T164500_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T170553_20150323T170731_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T180934_20150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_20150323T182153_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T183654_20150323T18370_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T195449_20150323T200447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T232020447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T23226_20150323T24003_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T230858_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231030_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001Peakiness errorThere is an error in the peakiness derivation	CS_OFFL_SIR_SAR_220150323T161349_20150323T161601_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T163811_20150323T164500_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T17053_20150323T170731_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T180934_20150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181035_20150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_20150323T182153_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T183654_20150323T183730_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T195449_20150323T200447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T2326_20150323T214003_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T230858_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001Peakiness errorThere is an error in the peakiness derivation	CS_OFFL_SIR_SAR_220150323T162717_20150323T162913_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T170553_20150323T170731_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T180934_20150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_20150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_20150323T18153_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T183654_20150323T183730_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T195449_20150323T240047_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T23262_0150323T214003_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T230858_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivation	CS_OFFL_SIR_SAR_220150323T163504_20150323T163558_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T180934_20150323T181151_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T181635_20150323T182153_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T183654_20150323T183730_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T195449_20150323T200447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T213226_20150323T214003_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T230858_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivation	CS_OFFL_SIR_SAR_220150323T163811_20150323T164500_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T181635_20150323T182153_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T183654_20150323T183730_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T195449_20150323T200447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T213226_20150323T214003_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T230858_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001Peakiness errorThere is an error in the peakiness derivation	CS_OFFL_SIR_SAR_220150323T170553_20150323T170731_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T183654_20150323T183730_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T195449_20150323T200447_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T213226_20150323T214003_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T230858_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001Peakiness errorThere is an error in the peakiness derivation	CS_OFFL_SIR_SAR_220150323T180934_20150323T181151_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T195449_20150323T200447_C001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_20150323T213226_20150323T214003_C001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_20150323T230858_20150323T230950_C001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001       Peakiness error       There is an error in the peakiness derivation	CS_OFFL_SIR_SAR_220150323T181635_20150323T182153_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T213226_20150323T214003_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T230858_20150323T230950_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001Peakiness errorThere is an error in the peakiness derivationCS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001Peakiness errorThere is an error in the peakiness derivation	CS_OFFL_SIR_SAR_220150323T183654_20150323T183730_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T230858_20150323T230950_C001       Peakiness error       There is an error in the peakiness derivation         CS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001       Peakiness error       There is an error in the peakiness derivation	CS_OFFL_SIR_SAR_220150323T195449_20150323T200447_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T231014_20150323T231930_C001 Peakiness error There is an error in the peakiness derivation	CS_OFFL_SIR_SAR_220150323T213226_20150323T214003_C001	Peakiness error	There is an error in the peakiness derivation
	CS_OFFL_SIR_SAR_220150323T230858_20150323T230950_C001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2_20150323T232027_20150323T232122_C001 Peakiness error There is an error in the peakiness derivation	CS_OFFL_SIR_SAR_220150323T231014_20150323T231930_C001	Peakiness error	There is an error in the peakiness derivation
	CS_OFFL_SIR_SAR_220150323T232027_20150323T232122_C001	Peakiness error	There is an error in the peakiness derivation

## 6. OFFLINE QCC Check

The QCC is a CryoSat facility that performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

NB. There is currently a discrepancy between the number of QCC reports and the number of products reported. This is a known issue and investigation is on-going.

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_GDR_2A	16	0	0	0	0
SIR_LRM_1B	158	0	0	0	0
SIR_LRM_2	157	0	0	0	0
SIR_SAR_1B	127	0	0	0	0
SIR_SAR_2A	127	0	0	0	0
SIR_SIN_1B	106	0	0	0	0
SIR_SIN_2	106	0	0	0	0

#### 6.1 QCC Errors

Number of products with QCC errors:

## 6.2 Missing QCC Reports

0

## 7. GOP Level 1B Data Quality Check

## 7.1 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 product file (.DBL)

# Number of products with errors:

7.2 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:

## 7.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

## 7.4 L1B Auxiliary Correction Error Check

Each product is checked for auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.

2

40

Number of products with errors:

## 7.5 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 12) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_1B_20150323T095753_20150323T095852_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_GOP_1B_20150323T232826_20150323T232829_B001	Power scaling error	There has been an error in the scaling of the L1B waveform

#### 7.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag (field 65) for each measurement record. The bit value of this flag indicates any problems when set.

Loss of Echo Flag: This flag is currently set for a large number of products over land, indicating that the tracking echo is missing.

#### Number of products with errors:

## 8. GOP Level 2 Data Quality Check

#### 8.1 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 product file (.DBL).

Number of products with errors:

#### 8.2 L2 Product Header Analysis

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

#### 8.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.
Number of products with errors:
0

Number of products with errors.

#### 8.4 L2 Measurement Confidence Data Check

CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement record. The bit value of this flag is an assessment of the measurement quality by the processing chains.

Number of products with errors:

#### 8.5 L2 Range Measurement Check

Each product is checked to detect range measurements flagged by the processing chain as missing or containing errors.

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 some products over land and continental ice.

Number of products with errors:

## 8.6 L2 SWH and Backscatter Measurement Check

Each product is checked to detect parameters related to SWH and sigma0 that are flagged by the processing chain as missing or containing errors.

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 some products over land and continental ice.

Number of products with errors: 220