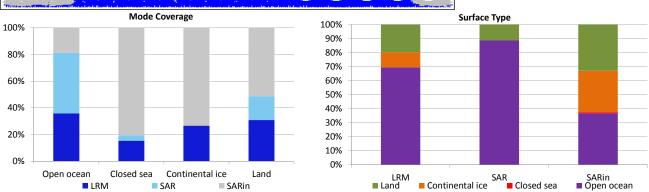


Mode	Coverage(%)
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LRM	66.59
SAR	19.95
SIN	13.27



3. Instrument Configuration							
The SIRAL instrument configuration	on for the day of acquisition is prov	ided below.					
SIRAL instrument(s) in use:	SIRAL - A]					
Star Tracker(s) in use:	Star Tracker 1 & 2						
		4. Level 1B	B Data Quality Check				
4.1 L1 Product Format Check							
		ecked to ensure it co	nsists of both an XML header file (.HDR) and a product file (.DBL).				
Number of products with errors							
4.2 L1B Product Heade	er Analysis						
For all products, a series of pre-de	efined checks are carried out on th	e MPH and SPH in or	rder to identify any inconsistencies and/or errors raised by the ground-segment processing chain.				
Number of products with errors							
4.3 L1B Auxilary Data I	File Usage Check						
	•	data main data di					
Each product is checked for missi		aetermined baseline a	and also to check the validity of Auxiliary Data Files is correct.				
•							
4.4 L1B Flagged Auxili	ary Correction Error Ch	eck					
		ground-station proces	ssing chain as missing or containing errors				
Number of products with errors	:: 4						
Product CS_OFFL_SIR_LRM_1B_201302	225T235503_20130226T003007_E	001	Test Failed Dynamic atmosphere correction error				
	226T055934_20130226T061117_E 226T115928_20130226T120128_E		Dynamic atmosphere correction error Dynamic atmosphere correction error				
	26T175943_20130226T180050_B		Dynamic atmosphere correction error				
4.5 L1B Measurement	Confidence Data Check						
ChueSat I 1B data includes a mos	ouroment confidence flag word (fic	ld 14) for each magai	urament record. The bit value of this flag indicates any problems when est				
Number of products with errors			urement record. The bit value of this flag indicates any problems when set.				
		5. Level 2	Data Quality Check				
5.1 L2 Product Format	Check						
Each product, retrieved and unpage	cked from the science server, is ch	ecked to ensure it co	nsists of both an XML header file (.HDR) and a binary product file (.DBL)				
Number of products with errors							
5.2 L2 Product Header	Analysis						
For all products, a series of pre-de	efined checks are carried out on th	e MPH and SPH in or	rder to identify any inconsistencies and/or errors raised by the ground-segment processing chain				
Number of products with errors							
5.3 L2 Auxiliary Data F	ile Usage Check						
-		determined baseline a	and also to check the validity of Auxiliary Data Files is correct				
Number of products with errors	: 1						
Product		AUX	File Comment				
CS_OFFL_SIR_GDR_2A_201302	225T232150_20130226T010104_E		OPER_AUX_ORBDOR_20130224T215525_20130226T Coverage missing for intervals [2013-02-25_0001 25_0001 26T00:23:25, 2013-02-26T01:01:04]				
5.4 L2 Flagged Auxilia	ry Correction Error Che	ck					
	-		ssing chain as missing or containing errors				
Number of products with errors		·					
Product			Test Failed				
	25T235503_20130226T003007_B		Dynamic atmosphere correction error				
	26T055934_20130226T061117_B 26T115928_20130226T120128_B		Dynamic atmosphere correction error Dynamic atmosphere correction error				
CS_OFFL_SIR_SIN_22013022	26T175943_20130226T180049_B0	01	Dynamic atmosphere correction error				

5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag word (field 43) for each 20-Hz measurement record. The bit value of this flag is an assessment of the measurement quality by the ground-segment processing chains

Presently, there are several common data Quality Flag errors raised by the Level 2 products which are either expected due to changes made to the IPF processor in Baseline B or else are due to known issues with the data processors. The investigation of the known issues are on-going and are due to be resolved with the next update of the Level 2 processors. All common known issues are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

Freeboard Error: This Quality Flag is correctly set in all products as this parameter is currently not provided in the L2 products and the Freeboard value is presently set to the default value of -9999

SARin x-track angle error: Currently there is an on-going investigation into the high number of errors from the 'SARIn x-track Error' Quality Flag over Antarctica.

Height error and Backscatter error: It has been noted that the number of errors arising from the 'Backscatter Error' and 'Height Error' Quality Flag is much higher than expected over land areas and this is currently part of an on-going investigation by expert teams.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SAR_2A_20130226T180850_20130226T181053_B001	Peakiness error	There is an error in the peakiness derivation

6. 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	15	13	0	13	0
SIR_LRM_1B	156	153	147	6	0
SIR_LRM_2	154	153	0	153	0
SIR_SAR_1B	152	152	0	152	0
SIR_SAR_2A	109	109	9	100	0
SIR_SIN_1B	98	98	0	98	0
SIR_SIN_2	94	94	0	94	0

6.1 QCC Errors

Number of products with QCC errors:

6.2 Missing QCC Reports

Number of products with missing QCC reports:

Product name

CS_OFFL_SIR_GDR_2A_20130225T232150_20130226T010104_B001 CS_OFFL_SIR_LRM_1B_20130225T235503_20130226T003007_B001 CS_OFFL_SIR_LRM_1B_20130226T181053_20130226T182204_B001

0

5

CS_OFFL_SIR_LRM_1B_20130226T221312_20130226T221856_B001 CS_OFFL_SIR_LRM_2__20130225T235503_20130226T003007_B001