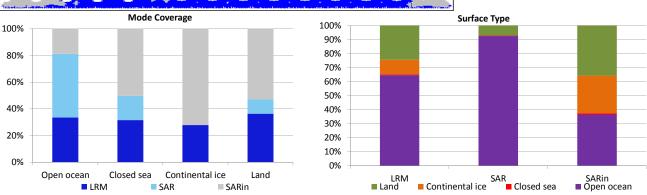


Mode Coverage(%)				
	LRM	66.57		
	SAR	19.89		
	SIN	13.37		



3. Instrument Configuration								
The SIRAL instrument configuration for	or the day of acquisition is provided below.							
SIRAL instrument(s) in use:	SIRAL - A							
Star Tracker(s) in use:	Star Tracker 1							
	4 1 0	val 18 Data Quality Chack						
4. Level 1B Data Quality Check								
4.1 L1 Product Format Check								
Number of products with errors:	a from the science server, is checked to ens	sure it consists of both an XML header file (.H	DR) and a product file (.DBL).					
4.2 L1B Product Header A	Analysis							
For all products, a series of pre-define Number of products with errors:	ed checks are carried out on the MPH and S	SPH in order to identify any inconsistencies ar	nd/or errors raised by the ground-segment processing chain.					
4.3 L1B Auxilary Data File	e Usage Check							
		paseline and also to check the validity of Auxil	iary Data Files is correct.					
Number of products with errors:	0							
4.4 L1B Flagged Auxiliary	y Correction Error Check							
Each product is checked to spot auxil	iary corrections flagged by the ground-station	on processing chain as missing or containing	errors					
Number of products with errors:	3							
Product		Test Failed						
CS_OFFL_SIR_LRM_1B_201209231 CS_OFFL_SIR_LRM_1B_201209231 CS_OFFL_SIR_LRM_1B_201209231	F115756_20120923T120559_B001	Dynamic atmosphere correction en Dynamic atmosphere correction en Dynamic atmosphere correction en	ror					
4.5 L1B Measurement Co	nfidence Data Check							
CryoSat L1B data includes a measure Number of products with errors:	ement confidence flag word (field 14) for each	ch measurement record. The bit value of this	flag indicates any problems when set.					
Product	5	Test Failed	Description					
CS_OFFL_SIR_LRM_1B_201209231		Attitude correction missing	The attitude has not been corrected					
CS_OFFL_SIR_LRM_1B_201209231 CS_OFFL_SIR_LRM_1B_201209231		TRK echo error TRK echo error	The tracking echo has returned an error					
CS_OFFL_SIR_LRM_1B_201209231 CS_OFFL_SIR_LRM_1B_201209231		TRK echo error	The tracking echo has returned an error The tracking echo has returned an error					
CS_OFFL_SIR_SAR_1B_20120923T		Attitude correction missing	The attitude has not been corrected					
	5. Le	vel 2 Data Quality Check						
5.1 L2 Product Format Ch	neck							
Each product, retrieved and unpacked	d from the science server, is checked to ens	sure it consists of both an XML header file (.H	DR) and a binary product file (.DBL)					
Number of products with errors:	0							
5.2 L2 Product Header Ar	nalysis							
For all maduate a parios of the define	ad abactic are carried out on the MDU and C	2011 in ordente identificano inconsistencias au						
Number of products with errors:		FPH in order to identify any inconsistencies an	nd/or errors raised by the ground-segment processing chain					
5.3 L2 Auxiliary Data File	Usage Check							
Each product is checked for missing [Data Set Descriptors wrt a pre-determined b	paseline and also to check the validity of Auxil	iary Data Files is correct					
Number of products with errors:	1							
Product		AUX File	Comment					
CS_OFFL_SIR_GDR_2A_201209221	T231428_20120923T005342_B001	CS_OPER_AUX_ORBDOR_20120921T2 002325_0001	15525_20120923T Coverage missing for intervals [2012-09- 23T00:23:25, 2012-09-23T00:53:42]					
5.4 L2 Flagged Auxiliary	Correction Error Check							
Each product is checked to spot auxil	iary corrections flagged by the ground-station	on processing chain as missing or containing	errors					
Number of products with errors:	3							
Product		Test Failed						
CS_OFFL_SIR_LRM_220120923T CS_OFFL_SIR_LRM_220120923T	115756_20120923T120559_B001	Dynamic atmosphere correction en Dynamic atmosphere correction en	ror					
CS_OFFL_SIR_LRM_220120923T	175500_20120923T180232_B001	Dynamic atmosphere correction er	ror					

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_20120923T143014_20120923T143705_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	16	14	0	14	0
SIR_LRM_1B	129	128	82	46	0
SIR_LRM_2	128	127	0	127	0
SIR_SAR_1B	86	86	0	86	0
SIR_SAR_2A	86	86	3	83	0
SIR_SIN_1B	104	104	0	104	0
SIR_SIN_2	104	104	0	104	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_20120922T231428_20120923T005342_B001 CS_OFFL_SIR_LRM_1B_20120922T234527_20120923T000746_B001

0

3

CS_OFFL_SIR_LRM_2__20120922T234527_20120923T000746_B001