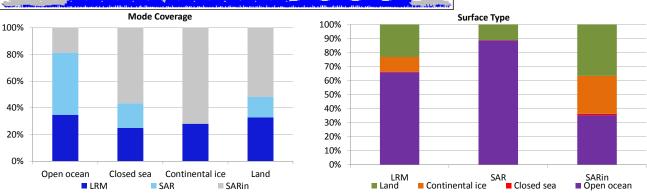


Mode Coverage(%	6)
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-	
LRM	67.44
SAR	18.66
SIN	13.69



3. Instrument Configuration					
The SIRAL instrument configuratio	n for the day of acquisition is provid	ed below.			
SIRAL instrument(s) in use:	SIRAL - A				
Star Tracker(s) in use:	Star Tracker 1 & 2				
		4. Level 1B	Data Quality Check		
4.1 L1 Product Format	Check				
Each product, retrieved and unpac Number of products with errors:		cked to ensure it co	nsists of both an XML header file (.HDF	R) and a product	file (.DBL).
4.2 L1B Product Heade	r Analysis				
For all products, a series of pre-de-	fined checks are carried out on the	MPH and SPH in or	der to identify any inconsistencies and	l/or errors raised l	by the ground-segment processing chain.
Number of products with errors:	0				
4.3 L1B Auxilary Data F	ile Usage Check				
Each product is checked for missin	ig Data Set Descriptors wrt a pre-de	etermined baseline a	and also to check the validity of Auxilian	ry Data Files is c	orrect.
Number of products with errors:	0				
4.4 L1B Flagged Auxilia	ary Correction Error Che	ck			
Each product is checked to spot at	uxiliary corrections flagged by the g	ound-station proces	ssing chain as missing or containing en	TOTS	
Number of products with errors:					
Product			Test Failed		
	16T235708_20130217T000243_B0	01	Dynamic atmosphere correction error	r	
CS_OFFL_SIR_LRM_1B_201302 ⁻	17T113755_20130217T121257_B0	01	Dynamic atmosphere correction error		
	17T174945_20130217T180125_B0		Dynamic atmosphere correction error		
CS_OFFL_SIR_SAR_1B_2013021	I7T055835_20130217T060015_B0	01	Dynamic atmosphere correction error	ſ	
CryoSat L1B data includes a meas		14) for each measu	urement record. The bit value of this fla	ag indicates any p	rodiems when set.
		5. Level 2	Data Quality Check		
5.1 L2 Product Format	Check				
Each product, retrieved and unpac	ked from the science server, is che	cked to ensure it co	nsists of both an XML header file (.HDF	R) and a binary p	roduct file (.DBL)
Number of products with errors:	0				
5.2 L2 Product Header	Analysis				
		MPH and SPH in or	der to identify any inconsistencies and	l/or errors raised I	by the ground-segment processing chain
Number of products with errors:	0				
5.3 L2 Auxiliary Data Fi	le Usage Check				
Each product is checked for missin	g Data Set Descriptors wrt a pre-de	etermined baseline a	and also to check the validity of Auxilian	ry Data Files is co	orrect
Number of products with errors:	1				
Product		AUX I	File PER_AUX_ORBDOR_20130216T215	525 20130218T	Comment Coverage missing for intervals [2013-02-
CS_OFFL_SIR_GDR_2A_201302	17T233138_20130218T011051_B0		25_0001		18T00:23:25, 2013-02-18T01:10:51]
5.4 L2 Flagged Auxiliar	y Correction Error Chec	k			
Each product is checked to spot at	uxiliary corrections flagged by the g	ound-station proces	ssing chain as missing or containing er	TOTS	
Number of products with errors:	4				
Product					
CS_OFFL_SIR_LRM_2_2013021			Dynamic atmosphere correction error		
	S_OFFL_SIR_LRM_2_20130217T113755_20130217T121257_B001 Dynamic atmosphere correction error S_OFFL_SIR_LRM_2_20130217T174945_20130217T180125_B001 Dynamic atmosphere correction error				
CS_OFFL_SIR_SAR_2A_2013021			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.

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0

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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_20130217T001122_20130217T001527_B001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2A_20130217T021328_20130217T022334_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	17	16	0	16	0
SIR_LRM_1B	169	168	168	0	0
SIR_LRM_2	168	167	0	167	0
SIR_SAR_1B	165	166	0	166	0
SIR_SAR_2A	114	114	3	111	0
SIR_SIN_1B	117	118	0	118	0
SIR_SIN_2	112	112	0	112	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_20130216T224314_20130217T002228_B001

CS_OFFL_SIR_LRM_1B_20130216T235708_20130217T000243_B001

CS_OFFL_SIR_LRM_2_20130216T235708_20130217T000243_B001