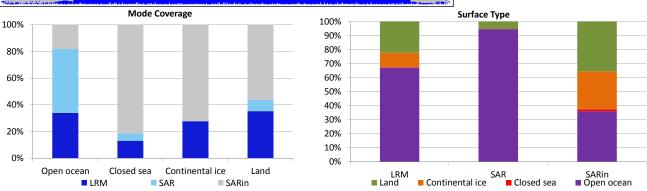


Mode	Coverage(%)
moue	ooverage(70)

LRM	66.82
SAR	19.32
SIN	13.69



	3.	Instrument Configuration	on
he SIRAL instrument configuration	n for the day of acquisition is provided bel	ow.	
IRAL instrument(s) in use	SIRAL - A		
Star Tracker(s) in use:	Star Tracker 1 & 2		
	4. L	evel 1B Data Quality Ch	neck
.1 L1 Product Format C	Check		
ach product, retrieved and unpack	ted from the science server, is checked to	o ensure it consists of both an XML heade	er file (.HDR) and a product file (.DBL).
lumber of products with errors:	0		
.2 L1B Product Header	[·] Analysis		
		and SPH in order to identify any inconsiste	encies and/or errors raised by the ground-segment processing chain.
lumber of products with errors:	0		
.3 L1B Auxilary Data Fi	ile Usage Check		
ach product is checked for missing	g Data Set Descriptors wrt a pre-determir	ned baseline and also to check the validity	y of Auxiliary Data Files is correct.
lumber of products with errors:	0		
AI 1R Elanged Augulte	ry Correction Error Chack		
.+ LID Flagged Auxilia	ry Correction Error Check		
ach product is checked to spot au	xiliary corrections flagged by the ground-	station processing chain as missing or co	ntaining errors
lumber of products with errors:	4		
roduct	5T234355 20120926T000811 B001	Test Failed Dynamic atmosphere corre	ection error
	6T055427_20120926T060420_B001	Dynamic atmosphere corre	
	6T175428_20120926T180504_B001 6T115758 20120926T120338 B001	Dynamic atmosphere corre Dynamic atmosphere corre	
ryoSat L1B data includes a measu	urement confidence flag word (field 14) fo	or each measurement record. The bit value	e of this flag indicates any problems when set.
lumber of products with errors:	3		
roduct		Test Failed	Description
	6T120728_20120926T121510_B001	TRK echo error	The tracking echo has returned an error
	6T170516_20120926T171228_B001 6T021402_20120926T021523_B001	TRK echo error TRK echo error	The tracking echo has returned an error The tracking echo has returned an error
	5.	Level 2 Data Quality Cho	eck
.1 L2 Product Format C	Check		
ach product, retrieved and unpack	ked from the science server, is checked to	ensure it consists of both an XML heade	er file (.HDR) and a binary product file (.DBL)
lumber of products with errors:	0		
5.2 L2 Product Header A	Analysis		
	,		
or all products, a series of pre-defi	ined checks are carried out on the MPH a	and SPH in order to identify any inconsiste	encies and/or errors raised by the ground-segment processing chain
lumber of products with errors:	0		
5.3 L2 Auxiliary Data Fil	e Usage Check		
ach product is checked for missing	g Data Set Descriptors wrt a pre-determir	ned baseline and also to check the validity	y of Auxiliary Data Files is correct
lumber of products with errors:	1		
roduct		AUX File	Comment
S_OFFL_SIR_GDR_2A_2012092	26T230936_20120927T004849_B001	CS_OPER_AUX_ORBDOR_2012 002325_0001	20925T215525_20120927T Coverage missing for intervals [2012-09- 27T00:23:25, 2012-09-27T00:48:49]
.4 L2 Flaqued Auxiliary	Correction Error Check		
		station processing chain as missing or co	ntaining errors
	6	secon processing chain as missing of CO	
lumber of products with errors:	0	T 4 F - 11 - 1	
roduct S OFFL SIR LRM 2 2012092	5T234355_20120926T000811_B001	Test Failed Dynamic atmosphere corre	ection error
CS_OFFL_SIR_LRM_220120926	6T055427_20120926T060420_B001	Dynamic atmosphere corre	ection error
	6T120728_20120926T121510_B001 6T175428_20120926T180504_B001	Error in MSS/Geoid and O Dynamic atmosphere corre	cean Depth Land Elevation model correction computations
	GT115426_201209201100304_B001	Dynamic atmosphere corre	

CS_OFFL_SIR_LRM_2__201209261175428_201209261180504_B001 CS_OFFL_SIR_SAR_2A_20120926T115758_20120926T120338_B001 CS_OFFL_SIR_SIN_2_20120926T021402_20120926T021523_B001

Dynamic atmosphere correction error Error in MSS/Geoid and Ocean Depth Land Elevation model correction computations

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_20120926T214839_20120926T215831_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.

1

3

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_GDR_2A	17	16	0	16	0
SIR_LRM_1B	127	126	85	40	1
SIR_LRM_2	127	126	0	126	0
SIR_SAR_1B	79	79	0	79	0
SIR_SAR_2A	79	79	4	75	0
SIR_SIN_1B	106	106	0	106	0
SIR_SIN_2	106	106	0	106	0

6.1 QCC Errors

Number of products with QCC errors:

Test Description Key:

	Abbreviation	Test name	Details	
	RRTAISSOB	RangeRecordTAIStartStopOrBlank	The time value should be between the record TAI start/st	op times of the SPH
Errors:	See the following	ng report.		
	See the followin	ng report. Product Start Time		Error

6.2 Missing QCC Reports

Number of products with missing QCC reports:

Product name

CS_OFFL_SIR_GDR_2A_20120925T222112_20120926T000026_B001 CS_OFFL_SIR_LRM_1B_20120925T234355_20120926T000811_B001 CS_OFFL_SIR_LRM_2_20120925T234355_20120926T000811_B001