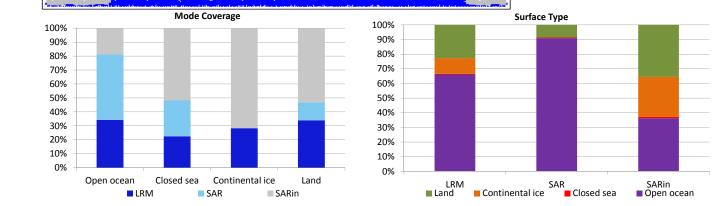
		1. Overview	
		Check	Status
		Server check: science-pds.cryosat.esa.int	Nominal
		Server check: calval-pds.cryosat.esa.int	Nominal
		Product Software Check	Nominal
ant Due du stiene Deter	04 Marc 0040	Product Format Check	Nominal
Data Used:     24-May-2013   OFFLINE L1B and L2 Science		Product Header Analysis	See section 4.3
		Auxiliary Data File Usage	See Section 5.3
Data Useu.	Data	Auxiliary Correction Check	See Section 4.5 and 5.4
		Measurement Data Set Check	See Section 4.6 and 5.5
n / Instrument News			
pr-2013 Installation of IPF1 V	2.0, IPF2 Vk1.0. L1B software version in	ncremented from 4.0 to 4.1 from 12:02:43	
pr-2013 None			
pr-2013 Nothing planned			
		2. Global Coverage	
Global Covera	ige (north pole view)	Global Coverage (south p	pole view)
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E CONSTRUCTION	Global Coverage		
	Global Coverage		
	Global Coverage		Mode Coverage(%)
	Global Coverage		Mode Coverage(%)
	Global Coverage		LRM 68.
	Global Coverage		



		3. Instrum	ent Configuration	
The SIRAL instrument configuration	on for the day of acquisition is provi	ded below		
-				
SIRAL instrument(s) in use:	SIRAL - A			
Star Tracker(s) in use:	Star Tracker 2			
		4. Level 1B	Data Quality Chec	:k
4.1 L1B Software Versi	on Check			
N. b. These wars a sumbar of				
version referenced in the prod			W IPF1 VK2.0, IPF2 VK1.0. I	The affected L1B products, listed below, have the old software
Number of products with errors				
4.2 L1B Product Forma	it Check			
Each product, retrieved and unpa	cked from the science server, is che	ecked to ensure it cor	sists of both an XML header file	(.HDR) and a product file (.DBL).
Number of products with errors				
4.3 L1B Product Heade	r Analysis			
4.5 LTD Froduct freade				
For all products, a series of pre-de	efined checks are carried out on the	MPH and SPH in or	der to identify any inconsistencie	es and/or errors raised by the ground-segment processing chain.
Number of products with errors	:: 1			
Product			Test Failed	
	16T110441_20130416T110441_B	001.DBL		rs detected greater than minimum acceptable threshold.
			1	
4.4 L1B Auxilary Data I	File Usage Check			
Each product is checked for missi	ng Data Set Descriptors wrt a pre-d	etermined baseline a	nd also to check the validity of A	Auxiliary Data Files is correct.
Number of products with errors	.: 0			
4.5 LTB Flagged Auxili	ary Correction Error Che	eck		
Each product is checked to spot a	uxiliary corrections flagged by the g	round-station proces	sing chain as missing or contain	ing errors
Number of products with errors	:: 4			
Product			Test Failed	
	15T234442_20130416T001821_B		Dynamic atmosphere correctio	n error
	16T055318_20130416T060423_B		Dynamic atmosphere correctio	
	16T115707_20130416T120104_B 16T175643 20130416T180524 B		Dynamic atmosphere correctio Dynamic atmosphere correctio	
4.6 L1B Measurement	Confidence Data Check			
CrvoSat L1B data includes a mea	surement confidence flag word (fiel	d 14) for each measu	rement record. The bit value of	this flag indicates any problems when set.
Number of products with errors		,		
Product			Test Failed	Description
	16T010134_20130416T010837_B	001	Attitude correction missing	The attitude has not been corrected
			TRK echo error	The tracking echo has returned an error
CS_OFFL_SIR_LRM_1B_201304	16T180528_20130416T180727_B	001	TRK echo error	The tracking echo has returned an error
CS_OFFL_SIR_SAR_1B_201304	16T010837_20130416T010912_B	001	Attitude correction missing	The attitude has not been corrected
		5. Level 2	Data Quality Checl	K
5.2 L2 Product Header	Analysis			
For all products, a series of pre-de	efined checks are carried out on the	MPH and SPH in or	der to identify any inconsistencie	es and/or errors raised by the ground-segment processing chain
Number of products with errors	:: 0			
5.3 L2 Auxiliary Data F	ile Usage Check			
	ng Data Set Descriptors wrt a pre-d	etermined baseline a	nd also to check the validity of A	Auxiliary Data Files is correct
Number of products with errors			·	
Number of products with errors	: 1			

Product	AUX File	Comment
CS OFFE SIR GDR 2A 201304161235957 201304171013911 B001	CS_OPER_AUX_ORBDOR_20130415T215525_20130417T 002325_0001	Coverage missing for intervals [2013-04- 17T00:23:25, 2013-04-17T01:39:11]

## 5.4 L2 Flagged Auxiliary Correction Error Check

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

Number of products with errors:

CS OFFL SIR LRM 2 20130415T234442 20130416T001821 B001 Dyn	
	lynamic atmosphere correction error
CS_OFFL_SIR_LRM_220130416T055318_20130416T060423_B001 Dyn	lynamic atmosphere correction error
CS_OFFL_SIR_LRM_220130416T115707_20130416T120104_B001 Dyn	lynamic atmosphere correction error
CS_OFFL_SIR_LRM_220130416T175643_20130416T180524_B001 Dyn	lynamic 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_20130416T022837_20130416T023050_B001 Peakiness error There is an error in the peakiness d		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	18	16	0	16	0
SIR_LRM_1B	158	157	125	32	0
SIR_LRM_2	158	156	1	155	0
SIR_SAR_1B	184	183	0	183	0
SIR_SAR_2A	113	113	8	105	0
SIR_SIN_1B	112	116	0	116	0
SIR_SIN_2	110	110	0	110	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\_20130415T231134\_20130416T005047\_B002

 CS\_OFFL\_SIR\_LRM\_1B\_20130415T234442\_20130416T001821\_B001

 CS\_OFFL\_SIR\_LRM\_2\_20130415T234442\_20130416T001821\_B001

 CS\_OFFL\_SIR\_LRM\_2\_20130416T161656\_20130416T161811\_B001

CS\_OFFL\_SIR\_SIN\_1B\_20130416T210732\_20130416T210858\_B001

6

CS\_OFFL\_SIR\_SIN\_1B\_20130416T211133\_20130416T211430\_B001