

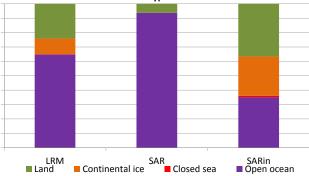
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CRYDSAT	<u>101 01 1 LINE data.</u> <u>05/00/2012</u>	TOTHAC	
energespersent (1993-1997, 1996)	1. Overview		
	Check	Ptatus	
	Server check: science-pds.cryosat.esa.int	Status Nominal	
	Server check: science-pos.cryosat.esa.int Server check: calval-pds.cryosat.esa.int	Nominal	
	Product Software Check	Nominal	
	Product Software Check	Nominal	
ort Production Date: 22-May-2013	Product Header Analysis	Nominal	
OFFLINE L1B and L2 Science		See Section 5.3	
Data Used: Data	Auxiliary Correction Check	See Section 4.4 and 5.4	
	Measurement Data Set Check	See Section 4.5	
n / Instrument News Jg-2012 None Jg-2012 None Jg-2012 Nothing planned			
Global Coverage (north pole v	2. Global Coverage Global Coverage (so		
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40% 30% 20% 10% 0% Closed sea Continental ice Land Open ocean LRM SAR SARin



		3. Instrun	nent Configuration					
e SIRAL instrument configuration for	or the day of acquisition is provided	below.				_		
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Star Tracker(s) in use:	Star Tracker 2							
	4	Level 1B	3 Data Quality Check	c.				
				N				
.1 L1 Product Format Ch	eck							
ach product, retrieved and unpacked lumber of products with errors:	I from the science server, is checke	ed to ensure it co	onsists of both an XML header file	(.HDR) and a product	t file (.DBL).			
2 L1B Product Header A	nalysis							
or all products, a series of pre-define	d checks are carried out on the MF	PH and SPH in o	order to identify any inconsistencies	s and/or errors raised	by the ground-segment processing	chain.		
lumber of products with errors:	0							
.3 L1B Auxilary Data File	Usage Check							
ach product is checked for missing D		rmined baseline	and also to check the validity of A	uxiliary Data Files is c	correct.			
lumber of products with errors:	0		-					
.4 L1B Flagged Auxiliary	Correction Error Check	ĸ						
ach product is checked to spot auxili			essing chain as missing or containi	ng errors				
umber of products with errors:	3	,		<u> </u>				
roduct	ů		Test Failed					
S_OFFL_SIR_LRM_1B_20120805T	054522_20120805T060844_B001		Dynamic atmosphere correction error					
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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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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:

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	124	124	111	13	0
SIR_LRM_2	124	124	1	123	0
SIR_SAR_1B	91	90	0	90	0
SIR_SAR_2A	91	90	4	86	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_20120804T232442_20120805T010356_B001 CS_OFFL_SIR_SAR_1B_20120804T235858_20120805T000045_B001 CS_OFFL_SIR_SAR_2A_20120804T235858_20120805T000045_B001