

IDEAS Daily Report for OFFLINE data: 08/0

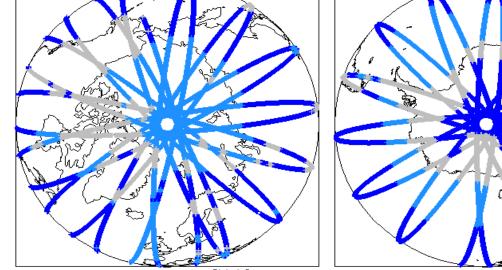
<u>08/07/2012</u>

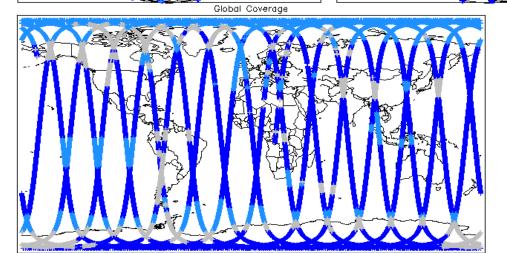


		Check	Status	
		Server check: science-pds.cryosat.esa.int	Nominal	
		Server check: calval-pds.cryosat.esa.int	Nominal	
		Product Software Check	Nominal	
Demant Desidention Deter	ate: 07-Jun-2013	Product Format Check	Nominal	
Report Production Date:		Product Header Analysis	Nominal	
Data Usadi	OFFLINE L1B and L2 Science	Auxiliary Data File Usage	Nominal	
Data Used:	Data	Auxiliary Correction Check	See Section 4.4 and 5.4	
	·	Measurement Data Set Check	See Section 4.5 and 5.5	

1. Overview

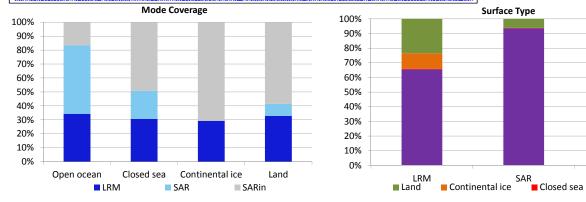
Mission / Instru	Vission / Instrument News						
07-Jul-2012	None						
08-Jul-2012	None						
09-Jul-2012	Nothing planned						
	2. Global Coverage						
	Global Coverage (north pole view)	Global Coverage (south pole view)					





Mode Coverage(%)				
	LRM	64.97		
	SAR	20.81		
	SIN	14.05		

SARin ■ Open ocean



SIRAL instrument configuration f	or the day of acquisition is provided	l below.			
RAL instrument(s) in use:	SIRAL - A				
Star Tracker(s) in use:	Star Tracker 2				
	4	. Level 1B Dat	ta Quality Check	(
.1 L1 Product Format Ch	neck				
ach product, retrieved and unpacke	d from the science server, is checke	ed to ensure it consists	of both an XML header file (.	HDR) and a product file (.DBL).	
lumber of products with errors:	0			,	
.2 L1B Product Header A	Analysis				
		PH and SPH in order to	identify any inconsistencies	and/or errors raised by the ground-segment processing) chain.
lumber of products with errors:	0				
4.3 L1B Auxilary Data File	e Usage Check				
Each product is checked for missing	Data Set Descriptors wrt a pre-dete	rmined baseline and als	to check the validity of Au	xiliary Data Files is correct.	
lumber of products with errors:	0				
I.4 L1B Flagged Auxiliary	Correction Error Check	ĸ			
ach product is checked to spot auxi	liary corrections flagged by the grou	Ind-station processing c	hain as missing or containing	g errors	
lumber of products with errors:	3				
Product		Test	Failed		
	E445007 00400700T400000 D004	Dura	mia atmosphore correction	o trot	
			amic atmosphere correction e		
S_OFFL_SIR_SIN_1B_20120708T S_OFFL_SIR_SIN_1B_20120708T .5 L1B Measurement Co	055005_20120708T060058_B001 175939_20120708T180246_B001 nfidence Data Check	Dyna Dyna	amic atmosphere correction of amic atmosphere correction of amic atmosphere correction of a structure of the	error	
CS_OFFL_SIR_SIN_1B_20120708T CS_OFFL_SIR_SIN_1B_20120708T 4.5 L1B Measurement Co CryoSat L1B data includes a measure Jumber of products with errors:	055005_20120708T060058_B001 175939_20120708T180246_B001 nfidence Data Check	Dyna Dyna 4) for each measuremer	amic atmosphere correction of amic atmosphere correction of amic atmosphere correction of amic atmosphere correction of an of the second of the bit value of th	error error is flag indicates any problems when set.	_
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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.

2

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0

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_20120708T015628_20120708T020631_B001	Peakiness error	There is an error in the peakiness derivation
CS_OFFL_SIR_SAR_2A_20120708T051606_20120708T052250_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	15	0	15	0
SIR_LRM_1B	126	125	106	19	0
SIR_LRM_2	124	123	0	123	0
SIR_SAR_1B	91	91	0	91	0
SIR_SAR_2A	91	91	5	86	0
SIR_SIN_1B	110	110	0	110	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: