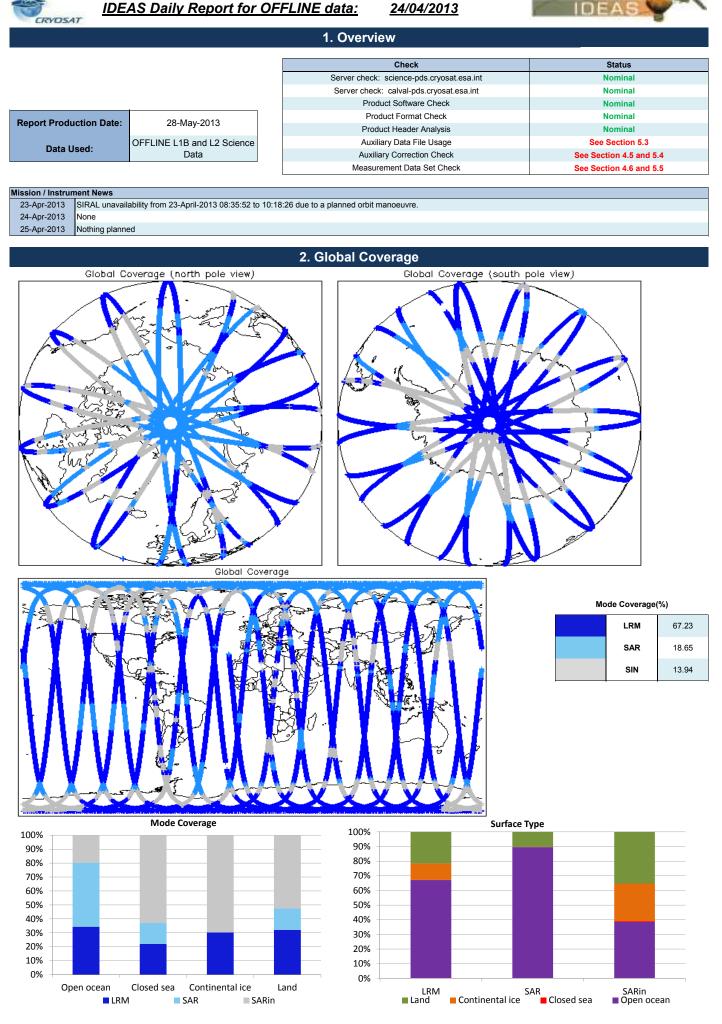


IDEAS Daily Report for OFFLINE data:





3. Instrument Configuration								
The SIRAL instrument configurati	on for the day of acquisition is provided belo	w.						
SIRAL instrument(s) in use:	SIRAL - A							
Star Tracker(s) in use:	Star Tracker 2							
	4. Le	evel 1B Data Quality Check						
4.1 L1B Software Versi	on Check							
N.b. There were a number of version referenced in the proc Number of products with errors	luct header.	n of the new IPF1 Vk2.0, IPF2 Vk1.0. The	affected L1B products, listed below, have the old software					
4.2 L1B Product Forma	at Check							
Each product, retrieved and unpa Number of products with errors		ensure it consists of both an XML header file (.)	IDR) and a product file (.DBL).					
4.3 L1B Product Heade	er Analysis							
For all products, a series of pre-density of products with errors		nd SPH in order to identify any inconsistencies a	ind/or errors raised by the ground-segment processing chain.					
4.4 L1B Auxilary Data I	File Usage Check							
Each product is checked for missi	ing Data Set Descriptors wrt a pre-determine	ed baseline and also to check the validity of Aux	iliary Data Files is correct.					
Number of products with errors	s: 0							
4.5 L1B Flagged Auxili	ary Correction Error Check							
Each product is checked to spot a	auxiliary corrections flagged by the ground-st	tation processing chain as missing or containing	errors					
Number of products with errors	:: 4							
Product		Test Failed						
	423T233457_20130424T000830_B001 424T115809_20130424T122328_B001	Dynamic atmosphere correction e Dynamic atmosphere correction e	Dynamic atmosphere correction error					
	424T175434_20130424T180407_B001		Dynamic atmosphere correction error					
CS_OFFL_SIR_SIN_1B_2013042	24T055612_20130424T060016_B001	Dynamic atmosphere correction e	rror					
4.6 L1B Measurement	Confidence Data Check							
CryoSat L1B data includes a mea Number of products with errors		each measurement record. The bit value of this	flag indicates any problems when set.					
Product		Test Failed	Description					
	424T035732_20130424T035851_B001 424T172003_20130424T172043_B001	Attitude correction missing TRK echo error	The attitude has not been corrected The tracking echo has returned an error					
	24T035852_20130424T035952_B001	Attitude correction missing	The attitude has not been corrected					
CS_OFFL_SIR_SIN_1B_2013042	24T171956_20130424T172003_B001	TRK echo error	The tracking echo has returned an error					
	5. L	evel 2 Data Quality Check						
5.2 L2 Product Header	Analysis							
		nd SPH in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain					
Number of products with errors								
5.3 L2 Auxiliary Data F	ile Usage Check							
		ed baseline and also to check the validity of Aux	iliary Data Files is correct					
Number of products with errors	к 2							
Product		AUX File CS_OPER_AUX_ORBDOR_20130422T2	Comment 215525_20130424T Coverage missing for intervals [2013-04-					
CS_OFFL_SIR_GDR_2A_201304	423T230147_20130424T004100_B001	002325_0001	24T00:23:25, 2013-04-24T00:41:00]					
CS_OFFL_SIR_GDR_2A_201304	424T235010_20130425T012924_B001	CS_OPER_AUX_ORBDOR_20130423T2 002325_0001	215525_20130425T Coverage missing for intervals [2013-04- 25T00:23:25, 2013-04-25T01:29:24]					

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:

Test Failed
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.

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_20130424T110832_20130424T111237_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	20	17	0	17	0
SIR_LRM_1B	149	148	107	41	0
SIR_LRM_2	147	146	1	145	0
SIR_SAR_1B	145	148	0	148	0
SIR_SAR_2A	105	105	5	100	0
SIR_SIN_1B	106	116	0	116	0
SIR_SIN_2	102	102	0	102	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_20130423T230147_20130424T004100_B001 CS_OFFL_SIR_LRM_1B_20130423T233457_20130424T000830_B001 CS_OFFL_SIR_LRM_2__20130423T233457_20130424T000830_B001

0

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