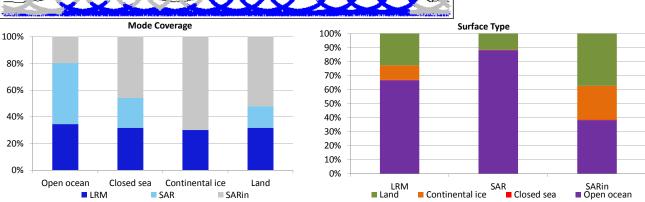




SIN

13.32



The SIRUL instrument configuration for the day of acquisition is provided below. SIRAL instrument(2) in use: SIRAL - A SIRAL	3. Instrument Configuration				
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	products with errors: 2				
oduct AUX File Comment		AUX File Comment			
S_OFFL_SIR_GDR_2A_20130126T235832_20130127T013746_B001 CS_OPER_AUX_ORBDOR_20130125T215525_20130127T Coverage missing for intervals [2013-1 002325_0001 27T00:23:25, 2013-01-27T01:37:46]					
S_OFFL_SIR_GDR_2A_20130127T230742_20130128T004655_B001 CS_OPER_AUX_ORBDOR_20130126T215525_20130128T Coverage missing for intervals [2013-002325_0001 Coverage missing for intervals [2013-01-28T00:46:55]	SIR_GDR_2A_201301261233632_201301271013746_B001	CS_OPER_AUX_ORBDOR_20130126T215525_20130128T_Coverage missing for intervals [2013-01-			
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CS_OFFL_SIR_LRM_2_201301201234021_201301271000847_6001 CS_OFFL_SIR_LRM_2_20130127T054542_20130127T060321_6001 CS_OFFL_SIR_LRM_2_20130127T175204_20130127T182304_6001

Dynamic atmosphere correction error 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.

0

0

15

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	17	15	0	15	0
SIR_LRM_1B	150	149	121	28	0
SIR_LRM_2	150	149	0	149	0
SIR_SAR_1B	149	149	0	149	0
SIR_SAR_2A	105	105	5	100	0
SIR_SIN_1B	99	99	0	99	0
SIR_SIN_2	95	95	0	95	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_20130126T235832_20130127T013746_B001
CS_OFFL_SIR_LRM_1B_20130126T234821_20130127T000847_B001
CS_OFFL_SIR_LRM_1B_20130127T021206_20130127T022257_B001
CS_OFFL_SIR_LRM_1B_20130127T025125_20130127T025639_B001
CS_OFFL_SIR_LRM_1B_20130127T025846_20130127T032132_B001
CS_OFFL_SIR_LRM_1B_20130127T032703_20130127T032849_B001
CS_OFFL_SIR_LRM_220130126T234821_20130127T000847_B001
CS_OFFL_SIR_LRM_220130127T021206_20130127T022257_B001
CS_OFFL_SIR_LRM_220130127T025125_20130127T025639_B001
CS_OFFL_SIR_LRM_220130127T025846_20130127T032132_B001
CS_OFFL_SIR_LRM_220130127T032703_20130127T032849_B001
CS_OFFL_SIR_SAR_1B_20130127T015229_20130127T015444_B001
CS_OFFL_SIR_SAR_1B_20130127T015845_20130127T020345_B001
CS_OFFL_SIR_SAR_2A_20130127T015229_20130127T015444_B001
CS_OFFL_SIR_SAR_2A_20130127T015845_20130127T020345_B001