### Log file for this test: /afs/hep.wisc.edu/cms/RCTlog/daffodil/RC_2004-08-26.log ###

**Location of log file**

########################################################################
# RC Test 5a - Backplane data paths #
# Test run on 2004-08-26_17:51:21 #
# HOST computer is: daffodil #
# Run in vmedia kumac: rc_backplane_path_slot2.txt
# Please fill in the backplane data paths CHECKLIST.
########################################################################

!!!! RC to be tested has to be in slot 2 !!!!

Device to open: /dev/btp96
Device to open: /dev/btp160
Device to open: /dev/btp64

Enter command (help for usage)>

RCT boot succeeded with 9 cards.

Zero memories first.

Device to open: /dev/btp96
Device to open: /dev/btp160
Device to open: /dev/btp64

RCTCrate::initialize() : vmeReset() successful
RCTCrate::initialize() : Defined RCTClockControlCard 10000000
RCTCrate::initialize() : Defined RCTReceiverCard with address 12000000
RCTCrate::initialize() : Defined RCTReceiverCard with address 14000000
RCTCrate::initialize() : Defined RCTReceiverCard with address 16000000
RCTCrate::initialize() : Defined RCTReceiverCard with address 18000000
RCTCrate::initialize() : Defined RCTReceiverCard with address 1b000000
RCTCrate::initialize() : Defined RCTReceiverCard with address 1d000000
RCTCrate::initialize() : Defined RCTReceiverCard with address 1f000000
RCTCrate::initialize() : Defined RCTElectronIsolationCard with address 15000000

rctCrateTest: initialize() succeeded

Cards in the crate are: 54ba

RCTCrate::doZeroPatternTest() : Loading RC (f500, 12000000)
RCTCrate::doZeroPatternTest() : Verifying RC (f500, 12000000)
RCTCrate::doZeroPatternTest() : Loading RC (fa00, 14000000)
RCTCrate::doZeroPatternTest() : Verifying RC (fa00, 14000000)
RCTCrate::doZeroPatternTest() : Loading RC (0, 16000000)
RCTCrate::doZeroPatternTest() : Verifying RC (0, 16000000)
RCTCrate::doZeroPatternTest() : Loading RC (f600, 18000000)
RCTCrate::doZeroPatternTest() : Verifying RC (f600, 18000000)
RCTCrate::doZeroPatternTest() : Loading RC (f700, 1b000000)
RCTCrate::doZeroPatternTest() : Verifying RC (f700, 1b000000)
RCTCrate::doZeroPatternTest() : Loading RC (fe00, 1d000000)
RCTCrate::doZeroPatternTest() : Verifying RC (fe00, 1d000000)
RCTCrate::doZeroPatternTest() : Loading RC (f800, 1f000000)
RCTCrate::doZeroPatternTest() : Verifying RC (f800, 1f000000)
RCTCrate::doZeroPatternTest() : Loading EIC (b100, 15000000)
RCTCrate::doZeroPatternTest() : Verifying EIC (b100, 15000000)

rctCrateTest: All tests successful

Now start vmedia script rc_backplane_path_slot2

******************************************************************************
* this is vmedia script rc_backplane_path_slot2.txt *
******************************************************************************

for this test, the rc has to be in slot 2

Continue <return> ? Exit <Ctrl-D> ?

this rc has barcode

Device to open: /dev/btp96
Device to open: /dev/btp160
Device to open: /dev/btp64
Compare this number with the RC bar code

These values should be read back

Repeat:
Check the signals as specified in the checklist - when done type <return> for next signal

Check 4 bits on U125 and 3 bits on U126; pattern 7F should result in 111 1111; pattern FF should result in 000 0000

for this test, the crate has to be loaded with all seven rc’s

initial setup done.
start direct paths.
7f in $440000 -- next ?
ff in $440000 -- next ?
7f in $4c0000 -- next ?
ff in $4c0000 -- next ?
7f in $540000 -- next ?
ff in $540000 -- next ?
7f in $5c0000 -- next ?
ff in $5c0000 -- next ?
7f in $640000 -- next ?
ff in $640000 -- next ?
7f in $740000 -- next ?
ff in $740000 -- next ?
direct paths done. hit return to zero memory and exit.