

Run Control

Run:4 finished

Start Run

Stop Run

Calibration

Monitor

DataFlow

Run # 5

Write Ntuple

Write Raw

VMM2

VMM3

LO R/O

Setup

Config

Output

Comments

/Users/dantrim/workarea/NSW/myreadout/vmm\_readout\_software/readout\_configuration/DAQ\_config\_MMFE8.xml

/Users/dantrim/workarea/NSW/myreadout/vmm\_readout\_software/readout\_configuration/configuration/config.xml

/Users/dantrim

UCIrvine

University of California, Irvine

N.T.U. Athens

BROOKHAVEN

NATIONAL LABORATORY

Network Communication

Counters

Triggers 0

Hits 0

Event Stop -1

Clear

No Config

Communication

Open Communication

All Boards Alive

IPv4 127 0 0 2 # FEBs 1

Configure

FEB Select All

Configure

VMM Select

Latency 0 x6.25ns

Dead Time 65535 x8ns

# CKBC 6 ART T/O 24

Mode

Pulser

External

Fixed Window

ACQ On

ACQ Off

Set

CKTK & CKBC

CKTK Max 7

CKBC Freq. (MHz) 40

Defaults

CKTP

Number of Pulses to Send -1

Skew (steps) 0 x 1ns

Width 4 x 500ns

Period 5000 x 200ns

Defaults

Set

Monitor Sampling 50

Incidence Angle 0

FPGA Reset

VMM3 Hard Reset

Messages

Global Registers 1

Global Registers 2

Channel Registers

Calibration

Set IP

Message Reporting

VERSIO Info

SocketHandler::loadIPList

SocketHandler::loadIPList

VERSIO Info

DataHandler::setOutputFil

DataHandler::initializeRu

VERSIO Info

VERSIO Info

VERSIO Info

VERSIO Info

VERSIO Info

VERSIO Info

VERSIO Info

VERSIO Info

EventBuilder::write\_outpu

EventBuilder::write\_outpu

VERSIO Info

VERSIO Info

SocketHandler::loadIPList

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VERSIO Info

DataHandler::setOutputFil

VERSIO Info

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EventBuilder::write\_outpu

EventBuilder::write\_outpu

Configuration loaded successfully

Loaded 1 IP address(es):

> 192.168.0.2

Ping successful

Setting output ntuple file: /Users/dantrim/run\_0003.root

Re-setting run number to 3

\*\*\* Starting DAQ run 3 \*\*\*

User comments: None

\*\*\* Ending run 3 \*\*\*

Run 3 stored in file:

/Users/dantrim/run\_0003.root

Enabling dataflow monitor

IP address change signaled. Re-establish connection to ensure proper connectivity.

Loaded 1 IP address(es):

> 127.0.0.2

Ping successful

Setting output ntuple file: /Users/dantrim/run\_0004.root

\*\*\* Starting DAQ run 4 \*\*\*

User comments: None

Enabling dataflow monitor 4.987 seconds after run start

\*\*\* Ending run 4 \*\*\*

Run 4 stored in file:

/Users/dantrim/run\_0004.root

Bottom

Verbose

FPGA and Operational Parameters

Message reporting  
&  
VMM configuration  
and calibration panels