

VME Intensity Monitor - Support #12865

Pxint Firmware Update to ABB0E

06/06/2016 05:28 PM - Roger Tokarek

Status:	Work in progress	Start date:	06/06/2016
Priority:	Normal	Due date:	
Assignee:	Roger Tokarek	% Done:	70%
Category:	Drivers	Estimated time:	8.00 hours
Target version:		Spent time:	0.00 hour
Description			
Provide support for Pxie intensity monitor support firmware version ABB0E in PXINT.			

History

#1 - 06/06/2016 06:09 PM - Roger Tokarek

See [Firmware Version ABB0E](#)

Changes made to software

Startup script

Baseline Average Size	0x3C1	8	0x0	Modified default value in startup script, added vmeintADCBaselineAvgSizeSet()
Integration Window Size	0x2BA	16	0x2000	No Change
Window Size Multiplier	0x2B8	8	0x4	"m" command in startup script, short term - fix this
Averaged Decimation Rate	0x2B7	8	0x7	"m" command in startup script, short term - fix this
Raw Decimation Rate	0x204	16	0xF	"m" command in startup script, short term - fix this

Class MirrTorDrv

Class MirrTorDrv: added a switch statement to constructors checking for appropriate A32 data pointer address based on firmware version. Pre-ABB0E-this firmware, raw data was read from A32 offset 0x4000. ABB0E reads decimated data from A32 offset 0x0000.

#2 - 06/06/2016 07:19 PM - Roger Tokarek

- % Done changed from 20 to 30

- Estimated time changed from 4.00 h to 8.00 h

Remaining Tasks

Provide VMEINTCommand() functions in support of Window Size Multiplier, Averaged decimation Rate, and Raw Decimation Rate.

#3 - 06/08/2016 10:05 AM - Roger Tokarek

P:L10TOR in D27 Array Plotter is not acquiring data.

#4 - 08/03/2016 01:20 PM - Roger Tokarek

- Status changed from New to Work in progress

- % Done changed from 30 to 70

Search pxintstartup for "# Window Size Multiplier" for example.