

VME Intensity Monitor - Bug #10496

MI TOROID R:TOR703 (S60TOR) Drop Outs

10/13/2015 12:35 PM - Roger Tokarek

Status:	Closed	Start date:	10/13/2015
Priority:	Urgent	Due date:	10/13/2015
Assignee:	Roger Tokarek	% Done:	100%
Category:		Estimated time:	12.00 hours
Target version:		Spent time:	10.00 hours
Description			
R:TOR703 (S60TOR) drops out (falls to 0) every 70 milliseconds or so.			
Tried:			
<ul style="list-style-type: none">• Corrected SSDN to reflect scalar data ----/----/----/01--.• Confirmed startup script is okay.• "make development" with most recent git pull.• Re-booted.• Looked for register returning 0, not observed (register print-out with cout).• Request to Engineering to investigate data register with LabVIEW.			
Next:			
<ul style="list-style-type: none">• Trace data through code			

History

#1 - 10/13/2015 03:25 PM - Roger Tokarek

- % Done changed from 40 to 100

Accidental fix. Re-implemented read() method in IntensityAccessor and is now working. Updated git and pushed new version to MI-10, 14, 30 and S60.

Status:

- Completed.

#2 - 10/26/2015 08:08 AM - Roger Tokarek

- % Done changed from 100 to 30

- Estimated time changed from 4.00 h to 12.00 h

Reopen: Suspect this is related to current data acquisition process.

Proposed fix: Implement a single read of each of the ADC intensity registers into an internal latched buffer after receiving an ADC board interrupt. If there is more than one intensity register consider a block read of all registers.

#3 - 11/22/2015 10:52 AM - Roger Tokarek

- Status changed from New to Closed

- % Done changed from 30 to 100

Appears to be a firmware issue. Resolved and completed