

VME Intensity Monitor - Feature #10751

Milestone # 10928 (Closed): Support for new MI/RR/BNB digitizer firmware

New MI-RR-BNB Toroid Driver

11/03/2015 01:57 PM - Roger Tokarek

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|---|---------------|------------------------|---------------|
| Status: | Closed | Start date: | 11/03/2015 |
| Priority: | High | Due date: | 11/12/2015 |
| Assignee: | Roger Tokarek | % Done: | 100% |
| Category: | | Estimated time: | 0.00 hour |
| Target version: | | Spent time: | 3.50 hours |
| Description | | | |
| <p>Create a new driver MirrTorDrv to separate functionality between the PXIE toroids (torDrvBBB) and the MI-RR-BNB Toroids. While the register maps, BBB07 (PXIE) and BBB09 (MI-RR-BNB) remain similar, the startup requirements for the PXIE and MI systems have changed. In addition where the getIntensity() method in torDrvBBB directly returns the intensity register, MirrTorDrv now scales the register data according to the gain.</p> <ul style="list-style-type: none">• Skeleton code getIntensity() can be implemented now in preparation for scale vs. gain algorithm.• Command line support is required, addAdc...(), addToroid...().• Confirm command line get and set registers working. | | | |
| Subtasks: | | | |
| Task # 10753: 10751 [1] Rename torDrvBBB to PxieTorDrv | | | Closed |
| Task # 10754: 10751-2 Create MirrTorDrv Driver | | | Closed |
| Task # 10756: 10751 [3] Provide Command Line Support for MirrTorDrv | | | Closed |
| Task # 10757: 10751 [4] Confirm Command Line get and set | | | Closed |
| Task # 10788: 19751 [5] Correct all startup scripts | | | Closed |
| Meeting # 10789: 10751 [0] Plan implementation of getIntensity(), return int or float | | | Closed |
| Task # 10914: Add Pulse Only Integration & Baseline Integration to MirrDrvTor | | | Closed |

History

#1 - 11/03/2015 02:05 PM - Roger Tokarek

Create git branch 10751-MirrTorDrv

#2 - 11/03/2015 03:01 PM - Roger Tokarek

Create sub-projects for the following steps:

1. Rename all **torDrvBBB** to **PxieTorDrv**.
2. Skeleton code for getIntensity() can be implemented at this time in preparation for scale vs. gain algorithm.
3. Command line support is required, addAdc...(), addToroid...().
4. Confirm command line get and set registers work with the new driver.

#3 - 11/12/2015 07:14 PM - John Diamond

- Parent task set to #10928

#4 - 08/02/2016 02:59 PM - Roger Tokarek

- Status changed from New to Closed