## AD Instrumentation - Issues

| # | Tracker | Status | Priority | Subject | Assignee | Updated |
|---|---|---|---|---|---|---|
| 24146 | Task | New | Low | TRACE buffer levels need to be in enumeration | Robert Santucci | 03/06/2020 02:09 PM |
| 23796 | Task | Assigned | Normal | E:NUMIPWR | John Diamond | 12/23/2019 12:23 PM |
| 22549 | Task | New | Normal | Merge iota_stable, booster_stable | John Diamond | 05/08/2019 02:53 PM |
| 22497 | Task | New | Normal | Position calculation thread | Elliott McCrory | 05/08/2019 02:52 PM |
| 22495 | Task | New | Normal | Refactor to store positions inside of Readings | Elliott McCrory | 05/08/2019 02:52 PM |
| 20705 | Task | Resolved | Normal | Change node name for all BBPM24 devices | John Diamond | 08/28/2018 09:29 PM |
| 20704 | Task | Resolved | Normal | Change node name for all BBPM18 devices | John Diamond | 08/28/2018 08:05 PM |
| 20703 | Task | Resolved | Normal | Change node name for all BBPM12 devices | John Diamond | 08/28/2018 06:37 PM |
| 20694 | Task | Resolved | Normal | Change node name for all BBPM21 devices | John Diamond | 08/28/2018 12:11 PM |
| 20693 | Task | Resolved | Normal | Change node name for all BBPM06 devices | John Diamond | 08/28/2018 10:02 AM |
| 20683 | Task | Resolved | Normal | Change node name for all BBPM15  devices | John Diamond | 08/28/2018 10:01 AM |
| 20682 | Task | New | Normal | bpmd.config for BBPL15 | | 08/26/2018 02:41 PM |
| 20681 | Task | New | Normal | bpmd.conf for BBPL15 | | 08/26/2018 02:41 PM |
| 20666 | Task | New | Normal | TCLK-driven arm and TBT readout for IOTA | | 08/22/2018 09:33 PM |
| 20665 | Task | New | Normal | Support multiple sets of coefficients for 2-D fits | | 08/22/2018 08:51 PM |
| 20664 | Task | Work in progress | Normal | Orbit structure device for IOTA BPMs | Elliott McCrory | 10/17/2018 10:53 AM |
| 20663 | Task | Work in progress | Normal | Separate IOTA ACNET code from BoosterBPMACNET.C and BoosterCrateACNET.C | John Diamond | 10/17/2018 10:59 AM |
| 20652 | Task | Work in progress | Normal | Request ACNET node assignment for BBPL24 | John Diamond | 08/21/2018 08:22 AM |
| 20651 | Task | Work in progress | Normal | Request ACNET node assignment for BBPL18 | John Diamond | 08/21/2018 08:22 AM |
| 20650 | Task | Work in progress | Normal | Request ACNET node assignment for BBPL12 | John Diamond | 08/21/2018 08:22 AM |
| 20649 | Task | Work in progress | Normal | Request ACNET node assignment for BBPL15 | John Diamond | 08/21/2018 08:22 AM |
| 20557 | Task | Assigned | Normal | Request ethernet connection for bbpl24 and bbpl24-crate | John Diamond | 08/07/2018 06:35 PM |
| 20556 | Task | Assigned | Normal | Request ethernet connection for bbpl18 and bbpl18-create | John Diamond | 08/07/2018 06:25 PM |
| 20555 | Task | Assigned | Normal | Request ethernet connection for bbpl12 and bbpl12-crate | John Diamond | 08/07/2018 06:17 PM |
| 20552 | Task | Work in progress | Normal | Channel level delays for IOTA BPM DAQ | John Diamond | 08/07/2018 02:40 PM |
| 20551 | Task | New | Normal | BPM-level delay configuration | | 08/07/2018 02:38 PM |
| 20543 | Task | Assigned | Normal | Request ethernet connection for bbpl15 and bbpl15-crate | John Diamond | 08/07/2018 06:13 PM |
| 20541 | Task | Work in progress | Normal | Gather crate and CPU MAC addresses for ethernet connections | John Diamond | 08/06/2018 11:49 AM |
| 20539 | Task | Assigned | Normal | Verify ACNET devices and operation of IOTATG | John Diamond | 08/06/2018 11:17 AM |
| 20538 | Task | Assigned | Normal | Create ACNET devices for IOTATG | John Diamond | 08/06/2018 11:16 AM |
| 20537 | Task | Assigned | Normal | Configure startup parameters for IOTATG | John Diamond | 08/06/2018 11:16 AM |

| # | Tracker | Status | Priority | Subject | Assignee | Updated |
|---|---|---|---|---|---|---|
| 20536 | Task | Assigned | Normal | Create startup script for IOTATG | John Diamond | 08/06/2018 11:15 AM |
| 20535 | Task | Assigned | Normal | Request ACNET node assignment for IOTATG | John Diamond | 08/06/2018 11:14 AM |
| 20534 | Task | Work in progress | Normal | Request ethernet connection for IOTATG | John Diamond | 08/06/2018 11:14 AM |
| 20522 | Task | Assigned | Normal | ACNET device for Arming IOTA BPMs | Elliott McCrory | 08/31/2018 01:55 PM |
| 20520 | Task | Assigned | Normal | IOTA BPM TBT Array Device | Elliott McCrory | 10/16/2018 11:16 AM |
| 20483 | Task | Resolved | Normal | Create separate "stable" branches for Booster and IOTA BPMs | John Diamond | 07/30/2018 03:21 PM |
| 20474 | Task | Resolved | Normal | Enter BPMs into bpmd.conf | John Diamond | 07/28/2018 07:52 AM |
| 20439 | Task | Work in progress | Normal | Implement DMA readouts for Raw and DSP data regions | John Diamond | 07/25/2018 11:30 AM |
| 20437 | Task | Assigned | Normal | Functional specification document | John Diamond | 07/24/2018 04:14 PM |
| 20436 | Task | Work in progress | Normal | Make the VME A16 scanning increment configurable | John Diamond | 07/24/2018 04:06 PM |
| 20377 | Task | Resolved | Normal | IOTA State Machine | John Diamond | 08/22/2018 09:30 PM |
| 20376 | Task | Resolved | Normal | drvgen specification for IOTABPM250x8 | John Diamond | 07/23/2018 03:12 PM |
| 20360 | Task | Work in progress | Normal | drvgen specification for NML timing module | John Diamond | 07/19/2018 02:42 PM |
| 20358 | Task | Resolved | Normal | Request ACNET node assignment | John Diamond | 07/31/2018 11:32 AM |
| 20356 | Task | Resolved | Normal | Request ethernet connection for crate and CPU | John Diamond | 08/22/2018 09:28 PM |
| 20354 | Task | Resolved | Normal | Adapter for IOTA DAQ module | John Diamond | 07/26/2018 11:36 AM |
| 20353 | Task | Work in progress | Normal | Adapter for NML timing module | John Diamond | 07/20/2018 09:33 AM |
| 20352 | Task | Resolved | Normal | Startup despite missing timing module | John Diamond | 09/07/2018 09:19 AM |
| 20038 | Task | Assigned | Normal | ACNET interface for adjusting TSG and ADC channel delays | Elliott McCrory | 05/29/2018 03:04 PM |
| 19614 | Task | New | Normal | Install and configure hardware for S16TOR | | 04/09/2018 03:10 PM |
| 19608 | Task | Work in progress | Normal | Crate status and control device | Elliott McCrory | 10/17/2018 10:57 AM |
| 19604 | Task | New | Normal | Remove redundant or unnecessarily long references from template code | Elliott McCrory | 04/11/2018 12:09 PM |
| 18436 | Task | Work in progress | Normal | x86 support for Technobox XMC GigE adapter | John Diamond | 11/30/2017 09:41 AM |
| 18341 | Task | Assigned | Normal | Setup build area | John Diamond | 11/20/2017 09:47 AM |
| 18339 | Task | New | Normal | Need extra mini db-9 cables, null modem and gender changet | | 11/20/2017 09:38 AM |
| 18324 | Task | Resolved | Normal | Implement polynomial scaling | John Diamond | 11/17/2017 02:40 PM |
| 18151 | Task | Work in progress | Normal | Configure BPMs for test stand at Booster location 21 | John Diamond | 11/08/2017 01:41 PM |
| 18149 | Task | Resolved | Normal | Implement Booster BPM scaling | John Diamond | 11/08/2017 04:46 PM |
| 18132 | Task | Work in progress | Normal | bpmcli commands for enabling/disabling state machine | John Diamond | 11/09/2017 03:09 PM |
| 18055 | Task | Resolved | Normal | No beam threshold | John Diamond | 10/29/2017 09:58 AM |
| 18050 | Task | Resolved | Normal | Refactor bpmcli 'shutdown' command to be a CLICommand | John Diamond | 10/30/2017 03:05 PM |
| 18049 | Task | Resolved | Normal | Refactor bpmcli 'show' command to be a CLICommand | John Diamond | 11/07/2017 09:25 AM |
| 18048 | Task | Resolved | Normal | Refactor bpmcli 'readout' command to be a CLICommand | John Diamond | 10/30/2017 02:03 PM |

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|---|---|---|---|---|---|---|
| 18047 | Task | New | Normal | Refactor bpmcli 'help' command to be a CLICommand | | 10/26/2017 04:24 PM |
| 18046 | Task | New | Normal | Refactor bpmcli 'dump_flash_history' command to be a CLICommand | | 10/26/2017 04:23 PM |
| 18045 | Task | Resolved | Normal | Refactor bpmcli 'arm' command to be a CLICommand | John Diamond | 10/30/2017 09:51 AM |
| 18044 | Task | Resolved | Normal | Refactor bpmcli 'abort' command to be a CLICommand | John Diamond | 10/30/2017 03:21 PM |
| 18009 | Task | Resolved | Normal | Driver for Booster BPM transition board | John Diamond | 10/23/2017 03:57 PM |
| 18000 | Task | Resolved | Normal | Support BPM lists in dump commands | John Diamond | 10/26/2017 04:19 PM |
| 17999 | Task | Resolved | Normal | Refactor to use getopt | John Diamond | 10/26/2017 04:22 PM |
| 17975 | Task | Work in progress | Normal | Test B38 and B40 | John Diamond | 10/20/2017 01:58 PM |
| 17974 | Task | Resolved | Normal | Create ACNET devices for B38 and B40 | John Diamond | 11/10/2017 02:54 PM |
| 17935 | Task | Work in progress | Normal | Booster BPM State Machine | John Diamond | 11/09/2017 03:09 PM |
| 17844 | Task | Resolved | Normal | Locking mechanism for shared memory objects | John Diamond | 10/10/2017 01:40 PM |
| 17764 | Task | New | Normal | More summation devices requested | | 09/22/2017 03:59 PM |
| 17755 | Task | Work in progress | Normal | Verify DAQ operation with at least 4 modules | John Diamond | 09/21/2017 10:54 AM |
| 17737 | Task | Work in progress | Normal | bpmd error facility | John Diamond | 10/20/2017 01:56 PM |
| 17734 | Task | Work in progress | Normal | ACNET device BPM Orbit Correction Device (0x0022) | John Diamond | 11/14/2017 04:07 PM |
| 17731 | Task | Resolved | Normal | ACNET device BPM Closed Orbit Circular Buffer (0x0010) | John Diamond | 10/18/2017 08:14 PM |
| 17730 | Task | Work in progress | Normal | ACNET device BPM Orbit Group (0x001e) | John Diamond | 10/19/2017 03:18 PM |
| 17729 | Task | Work in progress | Normal | ACNET device BPM Average Position (Snapshot) Orbit (0x0014) | John Diamond | 10/19/2017 02:53 PM |
| 17727 | Task | Resolved | Normal | ACNET device BPM Turn-by-Turn Extra Inputs | John Diamond | 10/18/2017 07:45 PM |
| 17726 | Task | Resolved | Normal | ACNET device BPM Single Turn Scaled Position Buffer (0x0020) | John Diamond | 10/18/2017 08:12 PM |
| 17725 | Task | Resolved | Normal | ACNET device BPM Single Turn Scaled Position (0x001f) | John Diamond | 10/18/2017 08:12 PM |
| 17724 | Task | Work in progress | Normal | ACNET device BPM Turn-by-Turn Scaled Positon | John Diamond | 10/19/2017 02:40 PM |
| 17723 | Task | Resolved | Normal | ACNET device BPM Digitizer Raw Data (0x0013) | John Diamond | 10/18/2017 08:18 PM |
| 17722 | Task | Resolved | Normal | ACNET device BPM Offsets (0x0016) | John Diamond | 10/18/2017 08:17 PM |
| 17721 | Task | Work in progress | Normal | ACNET device BPM Numbers (0x0017) | John Diamond | 11/10/2017 08:54 AM |
| 17720 | Task | Work in progress | Normal | Booster BPM ACNET Interface | John Diamond | 11/14/2017 04:07 PM |
| 17355 | Task | New | Normal | Test & Verify | | 08/03/2017 09:40 AM |
| 17354 | Task | New | Normal | Configure MDAT transmitter | Elliott McCrory | 10/03/2018 11:12 AM |
| 17352 | Task | Assigned | Normal | Configure startup script | John Diamond | 08/07/2017 02:49 PM |
| 17351 | Task | Resolved | Normal | Request ACNET node ID assignment for M40TOR | John Diamond | 08/07/2017 02:44 PM |
| 17350 | Task | Resolved | Normal | Configure M40TOR CPU board | John Diamond | 08/07/2017 02:43 PM |
| 17344 | Task | Assigned | Normal | ACNET devices for new scrapers at PIP2IT | John Diamond | 08/03/2017 01:52 PM |
| 16784 | Task | Resolved | Normal | Commission new scrapers for PXIE | John Diamond | 06/08/2017 10:50 AM |

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|---|---|---|---|---|---|---|
| 16713 | Task | Accepted | Normal | Verify operating of ACNET devices and both timing modules | John Diamond | 05/30/2017 11:30 AM |
| 16590 | Task | New | Normal | Verify BBM interface with Bill Marsh's test program | | 05/18/2017 02:52 PM |
| 16589 | Task | New | Normal | Verify new devices with a test signal | | 05/18/2017 02:51 PM |
| 16577 | Task | New | Normal | Improve error handling of CAN bus communication | | 04/12/2018 09:10 AM |
| 16576 | Task | New | Normal | Investigate reading back attenuator settings from transition crate | | 05/17/2017 11:16 AM |
| 16575 | Task | New | Normal | Error state during spill | | 05/17/2017 11:10 AM |
| 16574 | Task | New | Normal | ACNET support for beam threshold | | 05/17/2017 11:05 AM |
| 16573 | Task | New | Normal | Establish alarms for SBPMxx nodes | | 05/17/2017 10:44 AM |
| 16572 | Task | New | Normal | Put together a test stand | | 05/17/2017 10:38 AM |
| 16537 | Task | New | Normal | Create drvgen register map | John Diamond | 05/15/2017 02:10 PM |
| 16533 | Task | Work in progress | Normal | Create ACNET devices for new toroids | John Diamond | 07/11/2017 07:18 PM |
| 16532 | Task | Work in progress | Normal | Install hardware for NMLTR3 | John Diamond | 07/11/2017 07:22 PM |
| 16531 | Task | Work in progress | Normal | Install hardware for NMLTR2 | John Diamond | 07/12/2017 11:09 AM |
| 16045 | Task | Resolved | Normal | Configure a cycle device for R:TOR703 g-2 operation | John Diamond | 04/03/2017 01:59 PM |
| 16023 | Task | Assigned | Normal | Configure R:TOR703 for g-2 operation | John Diamond | 04/02/2017 11:42 AM |
| 15979 | Task | Work in progress | Normal | Create devices for Ring Pickup study at PXIE | John Diamond | 03/28/2017 02:26 PM |
| 15296 | Task | Assigned | Normal | BBM Interface | John Diamond | 01/27/2017 03:00 PM |
| 15052 | Task | New | Normal | Sum device for muon campus toroid (R:TOR703) | Elliott McCrory | 09/22/2017 03:59 PM |
| 15051 | Task | New | Normal | Request for I:13SUM1 | John Diamond | 01/09/2017 02:20 PM |
| 14696 | Task | Assigned | Normal | Support for PXIE digitizer firmware ABC02 | John Diamond | 12/05/2016 04:03 PM |
| 14512 | Task | Assigned | Normal | Support for Rich's MPS transmission loss task | John Diamond | 12/01/2016 03:30 PM |
| 14446 | Task | Work in progress | Normal | New scale factors for PXIE Ring Pickups 1 & 2 | John Diamond | 11/10/2016 11:14 AM |
| 14359 | Task | Assigned | Normal | Write integrated pulse readings to file | John Diamond | 11/03/2016 09:56 AM |
| 14283 | Task | Assigned | Normal | Configure pulse width tracking for PXIE scrappers | John Diamond | 10/26/2016 04:42 PM |
| 14280 | Task | Assigned | Normal | BBM for R:TOR703 | John Diamond | 10/26/2016 10:42 AM |
| 13962 | Task | Assigned | Normal | ADC configuration commands for PXIE Toroids | John Diamond | 09/30/2016 10:23 AM |
| 13919 | Task | Assigned | Normal | Fix scaling for ring pick MPS thresholds | John Diamond | 09/27/2016 10:47 PM |
| 13918 | Task | Assigned | Normal | Configure second ring pickup for PXIE | John Diamond | 10/07/2016 01:02 PM |
| 13295 | Task | New | Normal | Modify MuonStateMachine to respond to Muon campus events | | 07/19/2016 12:22 PM |
| 13294 | Task | New | Normal | Add Muon Campus Devel 'area' to R43 and R44 | | 07/19/2016 12:18 PM |
| 13293 | Task | New | Normal | Create ACNET devices for test node | | 07/19/2016 12:07 PM |
| 13291 | Task | New | Normal | Rename RRXxx classes to MuonXxx | | 07/19/2016 11:59 AM |
| 13290 | Task | New | Normal | Establish Targets file, startup scripts and boot areas | | 07/19/2016 11:57 AM |

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|---|---|---|---|---|---|---|
| 13288 | Task | New | Normal | Create git repository | | 07/19/2016 11:49 AM |
| 13286 | Task | New | Normal | Request ACNET node name | | 07/19/2016 11:41 AM |
| 13285 | Task | New | Normal | Network connection | | 07/19/2016 11:40 AM |
| 13284 | Task | New | Normal | Assemble crate | | 07/19/2016 11:39 AM |
| 13070 | Task | Assigned | Normal | Support different DcctDrv firmware running on ANUB and MIDCCT | John Diamond | 06/29/2016 01:59 PM |
| 12768 | Task | Assigned | Normal | ACNET devices for ubpm23 BPMs | John Diamond | 06/02/2016 01:09 PM |
| 12750 | Task | Assigned | Normal | Configure startup scripts for ubpm6s, ubpmf1 and ubpmf23 | John Diamond | 05/23/2016 11:28 AM |
| 12739 | Task | New | Normal | Network connections for new muon BPM nodes | John Diamond | 05/20/2016 02:17 PM |
| 12418 | Task | New | Normal | Boot flash for PXIE BPM test stand node | John Diamond | 04/29/2016 11:14 AM |
| 12417 | Task | Assigned | Normal | Network connection and kerberos principles for PXIE BPM system | John Diamond | 04/29/2016 10:23 AM |
| 12353 | Task | Assigned | Normal | Rename ANUB | John Diamond | 04/21/2016 10:46 AM |
| 12272 | Task | New | Normal | Deploy MOOC 4.1 to a single rbpm house and verify | Elliott McCrory | 04/22/2016 02:22 PM |
| 12271 | Task | New | Normal | Deploy MOOC 4.1 to test stand and verify | Elliott McCrory | 04/22/2016 02:22 PM |
| 12270 | Task | Assigned | Normal | Build gbpm, rrbpm and rrtb code against MOOC 4.1. | Elliott McCrory | 04/22/2016 02:24 PM |
| 12191 | Task | New | Normal | Refactor TRACE0 calls with the appropriate TRACE/TRACE0/TRACEP | | 04/06/2016 04:13 PM |
| 11895 | Task | Assigned | Normal | DCCT ADC Driver | John Diamond | 03/04/2016 10:28 AM |
| 11891 | Task | Assigned | Normal | Support Alexei's changes to the DCCT firmware | John Diamond | 03/15/2016 12:21 PM |
| 11687 | Task | New | Normal | Move ADC drivers to adinsthw | | 03/15/2016 12:20 PM |
| 11629 | Task | New | Normal | Refactor to useAD/Control's concurrency library | | 03/15/2016 12:20 PM |
| 11520 | Task | Assigned | Normal | Create new sum devices | John Diamond | 02/28/2016 11:31 AM |
| 11028 | Task | New | Normal | Support beam before extraction sample | John Diamond | 11/30/2015 04:38 PM |
| 10990 | Task | Accepted | Normal | Support for Charlie's evttrig library | John Diamond | 11/28/2015 09:45 PM |
| 10975 | Task | Work in progress | Normal | Acnet Device Set Toroid ADC Registers S60, MI10, MI14, MI30 | Roger Tokarek | 08/03/2016 10:16 AM |
| 10946 | Task | Resolved | Normal | ACNET settings for ADC parameters | John Diamond | 11/23/2015 11:34 AM |
| 10890 | Task | Assigned | Normal | Upgrade ClassACNet/Mooc | John Diamond | 02/27/2016 09:05 PM |
| 10475 | Task | Work in progress | Normal | Simplify Script Set Register Functions | Roger Tokarek | 08/02/2016 02:52 PM |
| 10262 | Task | Assigned | Normal | Configure MDAT frames | John Diamond | 10/05/2015 02:50 PM |
| 10199 | Task | Assigned | Normal | Refactor to use the PMCUCDTimingSystem class from the timing library | John Diamond | 09/21/2015 10:37 AM |
| 9889 | Task | Assigned | Normal | Verify test node | John Diamond | 09/18/2015 11:42 AM |
| 9888 | Task | Assigned | Normal | Add test node to R143 | John Diamond | 09/18/2015 10:25 AM |
| 9686 | Task | New | Normal | Rename the IDLE command the EXIT command. | John Diamond | 07/21/2015 08:20 PM |
| 9685 | Task | New | Normal | Move the Command and CommandList edit() methods into their own class | John Diamond | 07/21/2015 08:14 PM |
| 9684 | Task | New | Normal | Use the GoF State pattern in StateMachine class | John Diamond | 07/21/2015 08:11 PM |

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|---|---|---|---|---|---|---|
| 9665 | Task | New | Normal | Move scaling into the frontend | John Diamond | 07/17/2015 02:49 PM |
| 9658 | Task | New | Normal | Instrument bpmd control commands and display their execution time in syslog | John Diamond | 07/20/2015 04:03 PM |
| 9635 | Task | Feedback | Normal | Make Synoptic pages for displaying DDC data | John Diamond | 07/22/2015 01:14 PM |
| 9610 | Task | New | Normal | Test command list for reading out down converter | John Diamond | 07/23/2015 04:56 PM |
| 9609 | Task | New | Normal | bpmcli command for loading the booster frequency curve from file | John Diamond | 07/13/2015 04:24 PM |
| 9524 | Task | Work in progress | Normal | Request remote reboot devices | | 08/02/2016 10:49 AM |
| 9470 | Task | New | Normal | Find a replacement for the CT VX405/04x SBC | John Diamond | 08/13/2015 01:53 PM |
| 9392 | Task | Resolved | Normal | Deploy New MI Tororid Nodes | | 09/04/2018 01:03 PM |
| 9385 | Task | New | Normal | State Machine subsystem test | John Diamond | 07/20/2015 04:03 PM |
| 9383 | Task | New | Normal | Implement timer-triggered commands | John Diamond | 11/24/2015 02:22 PM |
| 9358 | Task | New | Normal | Add nodes to save list | John Diamond | 07/06/2015 02:05 PM |
| 9250 | Task | Assigned | Normal | Execute CommandLists | John Diamond | 07/09/2015 04:29 PM |
| 9153 | Task | New | Normal | Design ACNET interface for command lists | John Diamond | 07/21/2015 08:16 PM |
| 9014 | Task | Accepted | Normal | Booster frequency curve | John Diamond | 06/02/2015 04:38 PM |
| 9013 | Task | Accepted | Normal | Refactor pointer usage to smart pointers | John Diamond | 06/10/2015 04:51 PM |