AD Instrumentation - Issues

#	Tracker	Status	Priority	Subject	Assignee	Updated
9013	Task	Accepted	Normal	Refactor pointer usage to smart pointers	John Diamond	06/10/2015 04:51 PM
9014	Task	Accepted	Normal	Booster frequency curve	John Diamond	06/02/2015 04:38 PM
9153	Task	New	Normal	Design ACNET interface for command lists	John Diamond	07/21/2015 08:16 PM
9250	Task	Assigned	Normal	Execute CommandLists	John Diamond	07/09/2015 04:29 PM
9358	Task	New	Normal	Add nodes to save list	John Diamond	07/06/2015 02:05 PM
9383	Task	New	Normal	Implement timer-triggered commands	John Diamond	11/24/2015 02:22 PM
9385	Task	New	Normal	State Machine subsystem test	John Diamond	07/20/2015 04:03 PM
9392	Task	Resolved	Normal	Deploy New MI Tororid Nodes		09/04/2018 01:03 PM
9470	Task	New	Normal	Find a replacement for the CT VX405/04x SBC	John Diamond	08/13/2015 01:53 PM
9524	Task	Work in progress	Normal	Request remote reboot devices		08/02/2016 10:49 AM
9609	Task	New	Normal	bpmcli command for loading the booster frequency curve from file	John Diamond	07/13/2015 04:24 PM
9610	Task	New	Normal	Test command list for reading out down converter	John Diamond	07/23/2015 04:56 PM
9635	Task	Feedback	Normal	Make Synoptic pages for displaying DDC data	John Diamond	07/22/2015 01:14 PM
9658	Task	New	Normal	Instrument bpmd control commands and display their execution time in syslog	John Diamond	07/20/2015 04:03 PM
9665	Task	New	Normal	Move scaling into the frontend	John Diamond	07/17/2015 02:49 PM
9684	Task	New	Normal	Use the GoF State pattern in StateMachine class	John Diamond	07/21/2015 08:11 PM
9685	Task	New	Normal	Move the Command and CommandList edit() methods into their own class	John Diamond	07/21/2015 08:14 PM
9686	Task	New	Normal	Rename the IDLE command the EXIT command.	John Diamond	07/21/2015 08:20 PM
9888	Task	Assigned	Normal	Add test node to R143	John Diamond	09/18/2015 10:25 AM
9889	Task	Assigned	Normal	Verify test node	John Diamond	09/18/2015 11:42 AM
10199	Task	Assigned	Normal	Refactor to use the PMCUCDTimingSystem class from the timing library	John Diamond	09/21/2015 10:37 AM
10262	Task	Assigned	Normal	Configure MDAT frames	John Diamond	10/05/2015 02:50 PM
10475	Task	Work in progress	Normal	Simplify Script Set Register Functions	Roger Tokarek	08/02/2016 02:52 PM
10890	Task	Assigned	Normal	Upgrade ClassACNet/Mooc	John Diamond	02/27/2016 09:05 PM
10946	Task	Resolved	Normal	ACNET settings for ADC parameters	John Diamond	11/23/2015 11:34 AM
10975	Task	Work in progress	Normal	Acnet Device Set Toroid ADC Registers S60, MI10, MI14, MI30	Roger Tokarek	08/03/2016 10:16 AM
10990	Task	Accepted	Normal	Support for Charlie's evttrig library	John Diamond	11/28/2015 09:45 PM
11028	Task	New	Normal	Support beam before extraction sample	John Diamond	11/30/2015 04:38 PM
11520	Task	Assigned	Normal	Create new sum devices	John Diamond	02/28/2016 11:31 AM
11629	Task	New	Normal	Refactor to useAD/Control's concurrency library		03/15/2016 12:20 PM
11687	Task	New	Normal	Move ADC drivers to adinsthw		03/15/2016 12:20 PM

#	Tracker	Status	Priority	Subject	Assignee	Updated
11891	Task	Assigned	Normal	Support Alexei's changes to the DCCT firmware	John Diamond	03/15/2016 12:21 PM
11895	Task	Assigned	Normal	DCCT ADC Driver	John Diamond	03/04/2016 10:28 AM
12191	Task	New	Normal	Refactor TRACE0 calls with the appropriate TRACE/TRACE0/TRACEP		04/06/2016 04:13 PM
12270	Task	Assigned	Normal	Build gbpm, rrbpm and rrtb code against MOOC 4.1.	Elliott McCrory	04/22/2016 02:24 PM
12271	Task	New	Normal	Deploy MOOC 4.1 to test stand and verify	Elliott McCrory	04/22/2016 02:22 PM
12272	Task	New	Normal	Deploy MOOC 4.1 to a single rbpm house and verify	Elliott McCrory	04/22/2016 02:22 PM
12353	Task	Assigned	Normal	Rename ANUB	John Diamond	04/21/2016 10:46 AM
12417	Task	Assigned	Normal	Network connection and kerberos principles for PXIE BPM system	John Diamond	04/29/2016 10:23 AM
12418	Task	New	Normal	Boot flash for PXIE BPM test stand node	John Diamond	04/29/2016 11:14 AM
12739	Task	New	Normal	Network connections for new muon BPM nodes	John Diamond	05/20/2016 02:17 PM
12750	Task	Assigned	Normal	Configure startup scripts for ubpm6s, ubpmf1 and ubpmf23	John Diamond	05/23/2016 11:28 AM
12768	Task	Assigned	Normal	ACNET devices for ubpm23 BPMs	John Diamond	06/02/2016 01:09 PM
13070	Task	Assigned	Normal	Support different DcctDrv firmware running on ANUB and MIDCCT	John Diamond	06/29/2016 01:59 PM
13284	Task	New	Normal	Assemble crate		07/19/2016 11:39 AM
13285	Task	New	Normal	Network connection		07/19/2016 11:40 AM
13286	Task	New	Normal	Request ACNET node name		07/19/2016 11:41 AM
13288	Task	New	Normal	Create git repository		07/19/2016 11:49 AM
13290	Task	New	Normal	Establish Targets file, startup scripts and boot areas		07/19/2016 11:57 AM
13291	Task	New	Normal	Rename RRXxx classes to MuonXxx		07/19/2016 11:59 AM
13293	Task	New	Normal	Create ACNET devices for test node		07/19/2016 12:07 PM
13294	Task	New	Normal	Add Muon Campus Devel 'area' to R43 and R44		07/19/2016 12:18 PM
13295	Task	New	Normal	Modify MuonStateMachine to respond to Muon campus events		07/19/2016 12:22 PM
13918	Task	Assigned	Normal	Configure second ring pickup for PXIE	John Diamond	10/07/2016 01:02 PM
13919	Task	Assigned	Normal	Fix scaling for ring pick MPS thresholds	John Diamond	09/27/2016 10:47 PM
13962	Task	Assigned	Normal	ADC configuration commands for PXIE Toroids	John Diamond	09/30/2016 10:23 AM
14280	Task	Assigned	Normal	BBM for R:TOR703	John Diamond	10/26/2016 10:42 AM
14283	Task	Assigned	Normal	Configure pulse width tracking for PXIE scrappers	John Diamond	10/26/2016 04:42 PM
14359	Task	Assigned	Normal	Write integrated pulse readings to file	John Diamond	11/03/2016 09:56 AM
14446	Task	Work in progress	Normal	New scale factors for PXIE Ring Pickups 1 & 2	John Diamond	11/10/2016 11:14 AM
14512	Task	Assigned	Normal	Support for Rich's MPS transmission loss task	John Diamond	12/01/2016 03:30 PM
14696	Task	Assigned	Normal	Support for PXIE digitizer firmware ABC02	John Diamond	12/05/2016 04:03 PM
15051	Task	New	Normal	Request for I:13SUM1	John Diamond	01/09/2017 02:20 PM
15052	Task	New	Normal	Sum device for muon campus toroid (R:TOR703)	Elliott McCrory	09/22/2017 03:59 PM

#	Tracker	Status	Priority	Subject	Assignee	Updated
15296	Task	Assigned	Normal	BBM Interface	John Diamond	01/27/2017 03:00 PM
15979	Task	Work in progress	Normal	Create devices for Ring Pickup study at PXIE	John Diamond	03/28/2017 02:26 PM
16023	Task	Assigned	Normal	Configure R:TOR703 for g-2 operation	John Diamond	04/02/2017 11:42 AM
16045	Task	Resolved	Normal	Configure a cycle device for R:TOR703 g-2 operation	John Diamond	04/03/2017 01:59 PM
16531	Task	Work in progress	Normal	Install hardware for NMLTR2	John Diamond	07/12/2017 11:09 AM
16532	Task	Work in progress	Normal	Install hardware for NMLTR3	John Diamond	07/11/2017 07:22 PM
16533	Task	Work in progress	Normal	Create ACNET devices for new toroids	John Diamond	07/11/2017 07:18 PM
16537	Task	New	Normal	Create drvgen register map	John Diamond	05/15/2017 02:10 PM
16572	Task	New	Normal	Put together a test stand		05/17/2017 10:38 AM
16573	Task	New	Normal	Establish alarms for SBPMxx nodes		05/17/2017 10:44 AM
16574	Task	New	Normal	ACNET support for beam threshold		05/17/2017 11:05 AM
16575	Task	New	Normal	Error state during spill		05/17/2017 11:10 AM
16576	Task	New	Normal	Investigate reading back attenuator settings from transition crate		05/17/2017 11:16 AM
16577	Task	New	Normal	Improve error handling of CAN bus communication		04/12/2018 09:10 AM
16589	Task	New	Normal	Verify new devices with a test signal		05/18/2017 02:51 PM
16590	Task	New	Normal	Verify BBM interface with Bill Marsh's test program		05/18/2017 02:52 PM
16713	Task	Accepted	Normal	Verify operating of ACNET devices and both timing modules	John Diamond	05/30/2017 11:30 AM
16784	Task	Resolved	Normal	Commission new scrapers for PXIE	John Diamond	06/08/2017 10:50 AM
17344	Task	Assigned	Normal	ACNET devices for new scrapers at PIP2IT	John Diamond	08/03/2017 01:52 PM
17350	Task	Resolved	Normal	Configure M40TOR CPU board	John Diamond	08/07/2017 02:43 PM
17351	Task	Resolved	Normal	Request ACNET node ID assignment for M40TOR	John Diamond	08/07/2017 02:44 PM
17352	Task	Assigned	Normal	Configure startup script	John Diamond	08/07/2017 02:49 PM
17354	Task	New	Normal	Configure MDAT transmitter	Elliott McCrory	10/03/2018 11:12 AM
17355	Task	New	Normal	Test & Verify		08/03/2017 09:40 AM
17720	Task	Work in progress	Normal	Booster BPM ACNET Interface	John Diamond	11/14/2017 04:07 PM
17721	Task	Work in progress	Normal	ACNET device BPM Numbers (0x0017)	John Diamond	11/10/2017 08:54 AM
17722	Task	Resolved	Normal	ACNET device BPM Offsets (0x0016)	John Diamond	10/18/2017 08:17 PM
17723	Task	Resolved	Normal	ACNET device BPM Digitizer Raw Data (0x0013)	John Diamond	10/18/2017 08:18 PM
17724	Task	Work in progress	Normal	ACNET device BPM Turn-by-Turn Scaled Positon	John Diamond	10/19/2017 02:40 PM
17725	Task	Resolved	Normal	ACNET device BPM Single Turn Scaled Position (0x001f)	John Diamond	10/18/2017 08:12 PM
17726	Task	Resolved	Normal	ACNET device BPM Single Turn Scaled Position Buffer (0x0020)	John Diamond	10/18/2017 08:12 PM
17727	Task	Resolved	Normal	ACNET device BPM Turn-by-Turn Extra Inputs	John Diamond	10/18/2017 07:45 PM
17729	Task	Work in progress	Normal	ACNET device BPM Average Position (Snapshot) Orbit (0x0014)	John Diamond	10/19/2017 02:53 PM

#	Tracker	Status	Priority	Subject	Assignee	Updated
17730	Task	Work in progress	Normal	ACNET device BPM Orbit Group (0x001e)	John Diamond	10/19/2017 03:18 PM
17731	Task	Resolved	Normal	ACNET device BPM Closed Orbit Circular Buffer (0x0010)	John Diamond	10/18/2017 08:14 PM
17734	Task	Work in progress	Normal	ACNET device BPM Orbit Correction Device (0x0022)	John Diamond	11/14/2017 04:07 PM
17737	Task	Work in progress	Normal	bpmd error facility	John Diamond	10/20/2017 01:56 PM
17755	Task	Work in progress	Normal	Verify DAQ operation with at least 4 modules	John Diamond	09/21/2017 10:54 AM
17764	Task	New	Normal	More summation devices requested		09/22/2017 03:59 PM
17844	Task	Resolved	Normal	Locking mechanism for shared memory objects	John Diamond	10/10/2017 01:40 PM
17935	Task	Work in progress	Normal	Booster BPM State Machine	John Diamond	11/09/2017 03:09 PM
17974	Task	Resolved	Normal	Create ACNET devices for B38 and B40	John Diamond	11/10/2017 02:54 PM
17975	Task	Work in progress	Normal	Test B38 and B40	John Diamond	10/20/2017 01:58 PM
17999	Task	Resolved	Normal	Refactor to use getopt	John Diamond	10/26/2017 04:22 PM
18000	Task	Resolved	Normal	Support BPM lists in dump commands	John Diamond	10/26/2017 04:19 PM
18009	Task	Resolved	Normal	Driver for Booster BPM transition board	John Diamond	10/23/2017 03:57 PM
18044	Task	Resolved	Normal	Refactor bpmcli 'abort' command to be a CLICommand	John Diamond	10/30/2017 03:21 PM
18045	Task	Resolved	Normal	Refactor bpmcli 'arm' command to be a CLICommand	John Diamond	10/30/2017 09:51 AM
18046	Task	New	Normal	Refactor bpmcli 'dump_flash_history' command to be a CLICommand		10/26/2017 04:23 PM
18047	Task	New	Normal	Refactor bpmcli 'help' command to be a CLICommand		10/26/2017 04:24 PM
18048	Task	Resolved	Normal	Refactor bpmcli 'readout' command to be a CLICommand	John Diamond	10/30/2017 02:03 PM
18049	Task	Resolved	Normal	Refactor bpmcli 'show' command to be a CLICommand	John Diamond	11/07/2017 09:25 AM
18050	Task	Resolved	Normal	Refactor bpmcli 'shutdown' command to be a CLICommand	John Diamond	10/30/2017 03:05 PM
18055	Task	Resolved	Normal	No beam threshold	John Diamond	10/29/2017 09:58 AM
18132	Task	Work in progress	Normal	bpmcli commands for enabling/disabling state machine	John Diamond	11/09/2017 03:09 PM
18149	Task	Resolved	Normal	Implement Booster BPM scaling	John Diamond	11/08/2017 04:46 PM
18151	Task	Work in progress	Normal	Configure BPMs for test stand at Booster location 21	John Diamond	11/08/2017 01:41 PM
18324	Task	Resolved	Normal	Implement polynomial scaling	John Diamond	11/17/2017 02:40 PM
18339	Task	New	Normal	Need extra mini db-9 cables, null modem and gender changet		11/20/2017 09:38 AM
18341	Task	Assigned	Normal	Setup build area	John Diamond	11/20/2017 09:47 AM
18436	Task	Work in progress	Normal	x86 support for Technobox XMC GigE adapter	John Diamond	11/30/2017 09:41 AM
19604	Task	New	Normal	Remove redundant or unnecessarily long references from template code	Elliott McCrory	04/11/2018 12:09 PM
19608	Task	Work in progress	Normal	Crate status and control device	Elliott McCrory	10/17/2018 10:57 AM
19614	Task	New	Normal	Install and configure hardware for S16TOR		04/09/2018 03:10 PM
20038	Task	Assigned	Normal	ACNET interface for adjusting TSG and ADC channel delays	Elliott McCrory	05/29/2018 03:04 PM
20352	Task	Resolved	Normal	Startup despite missing timing module	John Diamond	09/07/2018 09:19 AM

#	Tracker	Status	Priority	Subject	Assignee	Updated
20353	Task	Work in progress	Normal	Adapter for NML timing module	John Diamond	07/20/2018 09:33 AM
20354	Task	Resolved	Normal	Adapter for IOTA DAQ module	John Diamond	07/26/2018 11:36 AM
20356	Task	Resolved	Normal	Request ethernet connection for crate and CPU	John Diamond	08/22/2018 09:28 PM
20358	Task	Resolved	Normal	Request ACNET node assignment	John Diamond	07/31/2018 11:32 AM
20360	Task	Work in progress	Normal	drvgen specification for NML timing module	John Diamond	07/19/2018 02:42 PM
20376	Task	Resolved	Normal	drvgen specification for IOTABPM250x8	John Diamond	07/23/2018 03:12 PM
20377	Task	Resolved	Normal	IOTA State Machine	John Diamond	08/22/2018 09:30 PM
20436	Task	Work in progress	Normal	Make the VME A16 scanning increment configurable	John Diamond	07/24/2018 04:06 PM
20437	Task	Assigned	Normal	Functional specification document	John Diamond	07/24/2018 04:14 PM
20439	Task	Work in progress	Normal	Implement DMA readouts for Raw and DSP data regions	John Diamond	07/25/2018 11:30 AM
20474	Task	Resolved	Normal	Enter BPMs into bpmd.conf	John Diamond	07/28/2018 07:52 AM
20483	Task	Resolved	Normal	Create separate "stable" branches for Booster and IOTA BPMs	John Diamond	07/30/2018 03:21 PM
20520	Task	Assigned	Normal	IOTA BPM TBT Array Device	Elliott McCrory	10/16/2018 11:16 AM
20522	Task	Assigned	Normal	ACNET device for Arming IOTA BPMs	Elliott McCrory	08/31/2018 01:55 PM
20534	Task	Work in progress	Normal	Request ethernet connection for IOTATG	John Diamond	08/06/2018 11:14 AM
20535	Task	Assigned	Normal	Request ACNET node assignment for IOTATG	John Diamond	08/06/2018 11:14 AM
20536	Task	Assigned	Normal	Create startup script for IOTATG	John Diamond	08/06/2018 11:15 AM
20537	Task	Assigned	Normal	Configure startup parameters for IOTATG	John Diamond	08/06/2018 11:16 AM
20538	Task	Assigned	Normal	Create ACNET devices for IOTATG	John Diamond	08/06/2018 11:16 AM
20539	Task	Assigned	Normal	Verify ACNET devices and operation of IOTATG	John Diamond	08/06/2018 11:17 AM
20541	Task	Work in progress	Normal	Gather crate and CPU MAC addresses for ethernet connections	John Diamond	08/06/2018 11:49 AM
20543	Task	Assigned	Normal	Request ethernet connection for bbpl15 and bbpl15-crate	John Diamond	08/07/2018 06:13 PM
20551	Task	New	Normal	BPM-level delay configuration		08/07/2018 02:38 PM
20552	Task	Work in progress	Normal	Channel level delays for IOTA BPM DAQ	John Diamond	08/07/2018 02:40 PM
20555	Task	Assigned	Normal	Request ethernet connection for bbpl12 and bbpl12-crate	John Diamond	08/07/2018 06:17 PM
20556	Task	Assigned	Normal	Request ethernet connection for bbpl18 and bbpl18-create	John Diamond	08/07/2018 06:25 PM
20557	Task	Assigned	Normal	Request ethernet connection for bbpl24 and bbpl24-crate	John Diamond	08/07/2018 06:35 PM
20649	Task	Work in progress	Normal	Request ACNET node assignment for BBPL15	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
20651	Task	Work in progress	Normal	Request ACNET node assignment for BBPL18	John Diamond	08/21/2018 08:22 AM
20652	Task	Work in progress	Normal	Request ACNET node assignment for BBPL24	John Diamond	08/21/2018 08:22 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
20664	Task	Work in progress	Normal	Orbit structure device for IOTA BPMs	Elliott McCrory	10/17/2018 10:53 AM

#	Tracker	Status	Priority	Subject	Assignee	Updated
20665	Task	New	Normal	Support multiple sets of coefficients for 2-D fits		08/22/2018 08:51 PM
20666	Task	New	Normal	TCLK-driven arm and TBT readout for IOTA		08/22/2018 09:33 PM
20681	Task	New	Normal	bpmd.conf for BBPL15		08/26/2018 02:41 PM
20682	Task	New	Normal	bpmd.config for BBPL15		08/26/2018 02:41 PM
20683	Task	Resolved	Normal	Change node name for all BBPM15 devices	John Diamond	08/28/2018 10:01 AM
20693	Task	Resolved	Normal	Change node name for all BBPM06 devices	John Diamond	08/28/2018 10:02 AM
20694	Task	Resolved	Normal	Change node name for all BBPM21 devices	John Diamond	08/28/2018 12:11 PM
20703	Task	Resolved	Normal	Change node name for all BBPM12 devices	John Diamond	08/28/2018 06:37 PM
20704	Task	Resolved	Normal	Change node name for all BBPM18 devices	John Diamond	08/28/2018 08:05 PM
20705	Task	Resolved	Normal	Change node name for all BBPM24 devices	John Diamond	08/28/2018 09:29 PM
22495	Task	New	Normal	Refactor to store positions inside of Readings	Elliott McCrory	05/08/2019 02:52 PM
22497	Task	New	Normal	Position calculation thread	Elliott McCrory	05/08/2019 02:52 PM
22549	Task	New	Normal	Merge iota_stable, booster_stable	John Diamond	05/08/2019 02:53 PM
23796	Task	Assigned	Normal	E:NUMIPWR	John Diamond	12/23/2019 12:23 PM
24146	Task	New	Low	TRACE buffer levels need to be in enumeration	Robert Santucci	03/06/2020 02:09 PM