Monitoring Software

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MTA Shifter Training

1

ACNET Monitor

12		ACNET Monitor.vi	_ 🗆 🗙
File	Edit View Project Operate Tools Window	Help	<u>?</u> ■
	ACNET Monitor.vi updated on 5 Mar 2015 by P. Lane STOP	Update Period (seconds) Updating	
	Available Devices	Monitoring L:LGHUM L:LGTEMP L:MD7OI L:MD7OV L:PA7ION L:RF7HV L:RF7PAI L:RF7PAV	Out-of-range L:LGHUM L:LGTEMP L:MD7OI L:MD7OV L:PA7ION L:RF7HV L:RF7PAI L:RF7PAI
	name D:OUTTMP	min value 0 max value 100	
	description Outside temperature	current value 22.1443 units F	
MTA	Shift Toolbox.lvproj/My Computer <	AL C	IATIONAL STRUMENTS IEW "Student Edition •

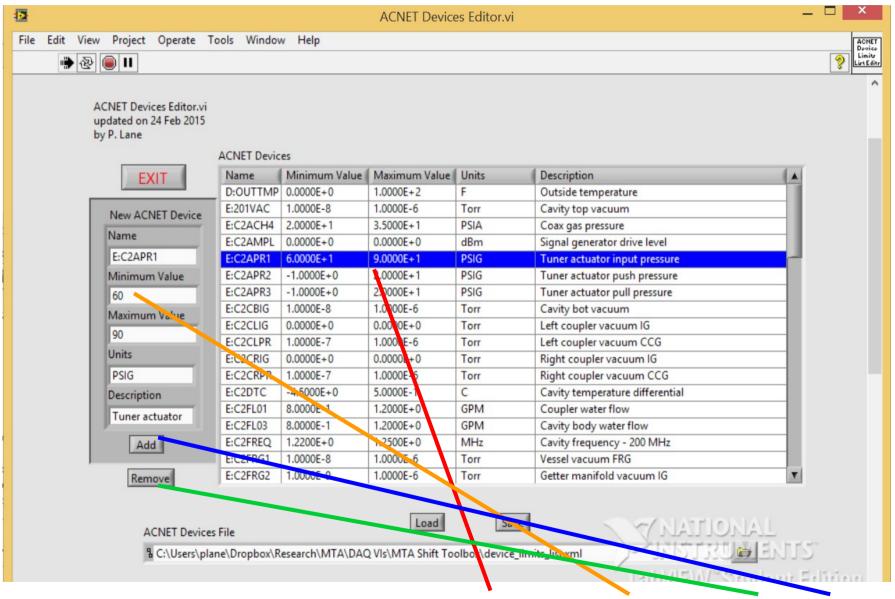
• Click on a device in any of the three list boxes to get device information.

ACNET Monitor

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L:LGHUM L:LGTEMP L:MD7OI L:MD7OV L:PA7ION L:RF7HV L:RF7PAI L:RF7PAV	L:LGHUM L:LGTEMP L:MD70I L:MD70V L:PA7ION L:RF7HV L:RF7PAI L:RF7PAV	
name D:OUTTMP	min value 0 max value 100	
description Outside temperat	ture current value 22.1443 units F	
MTA Shift Toolbox.lvproj/My Computer <	ABVIEW "Studen	

• Alert sound only if the set of out-of-range devices changes

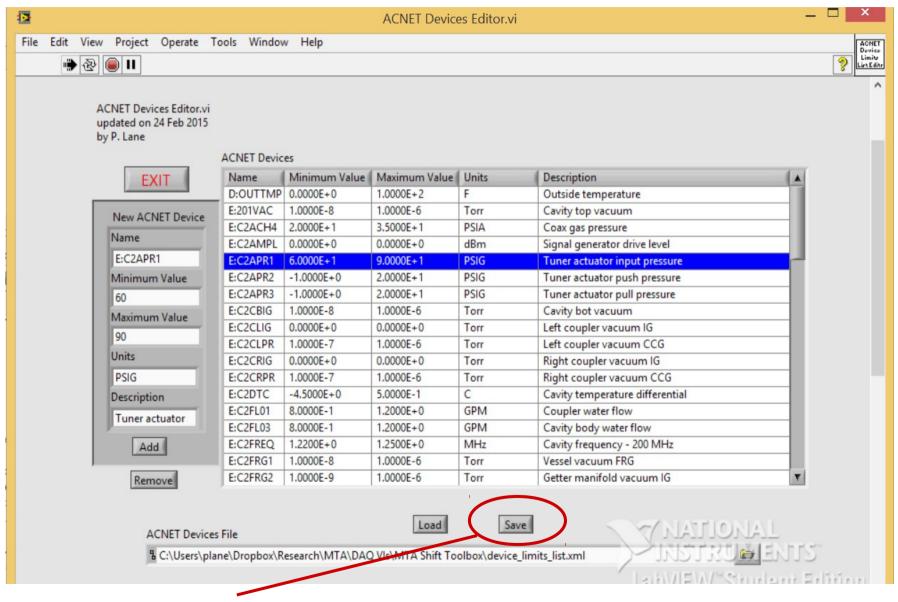
ACNET Devices Editor



• Steps to update device information: highlight, change values, Remove, Add

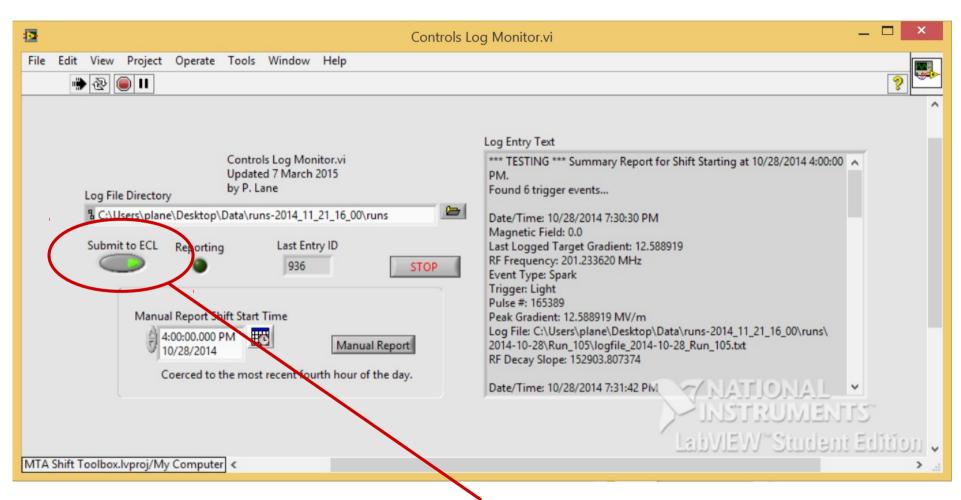
4

ACNET Devices Editor



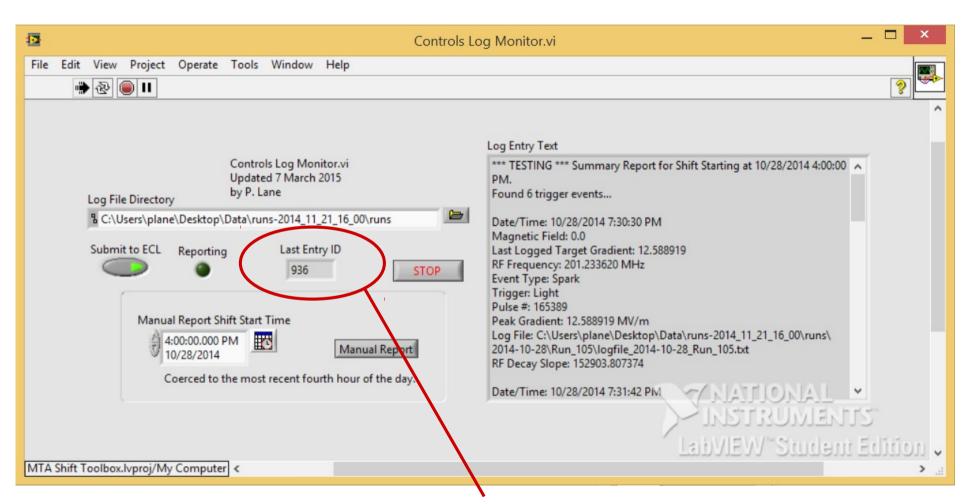
•Don't forget to save! Restart ACNET Monitor to load changes.

Controls Log Monitor



•Submit to ECL button must be lit in order for report to appear in the ECL logbook.

Controls Log Monitor



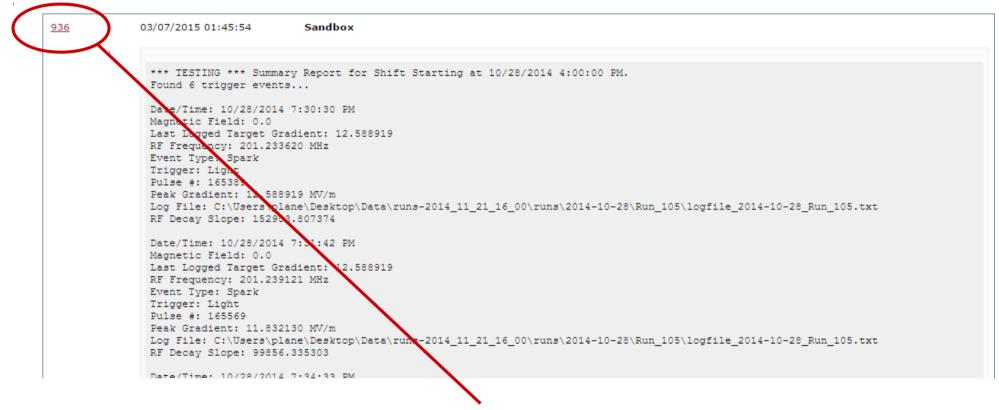
• Logbook entry ID of the last report submitted. Will be -1 if submission didn't occur.

Controls Log Monitor

Controls L	og Monitor.vi 📃 🗖 🗙
File Edit View Project Operate Tools Window Help	
Controls Log Monitor.vi Updated 7 March 2015 by P. Lane C:\Users\plane\Desktop\Data\runs-2014_11_21_16_00\runs Submit to ECL Reporting Last Entry ID 936 STOP Manual Report Shift Start Time 4:00:00.000 PM 10/28/2014 Coexced to the most recent fourth hour of the day.	Log Entry Text **** TESTING **** Summary Report for Shift Starting at 10/28/2014 4:00:00 ^ PM. Found 6 trigger events Date/Time: 10/28/2014 7:30:30 PM Magnetic Field: 0.0 Last Logged Target Gradient: 12.588919 RF Frequency: 201.233620 MHz Event Type: Spark Trigger: Light Pulse #: 165389 Peak Gradient: 12.588919 MV/m Log File: C:\Users\plane\Desktop\Data\runs-2014_11_21_16_00\runs\ 2014-10-28\Run_105\logfile_2014-10-28_Run_105.txt RF Decay Slope: 152903.807374 Date/Time: 10/28/2014 7:31:42 PM

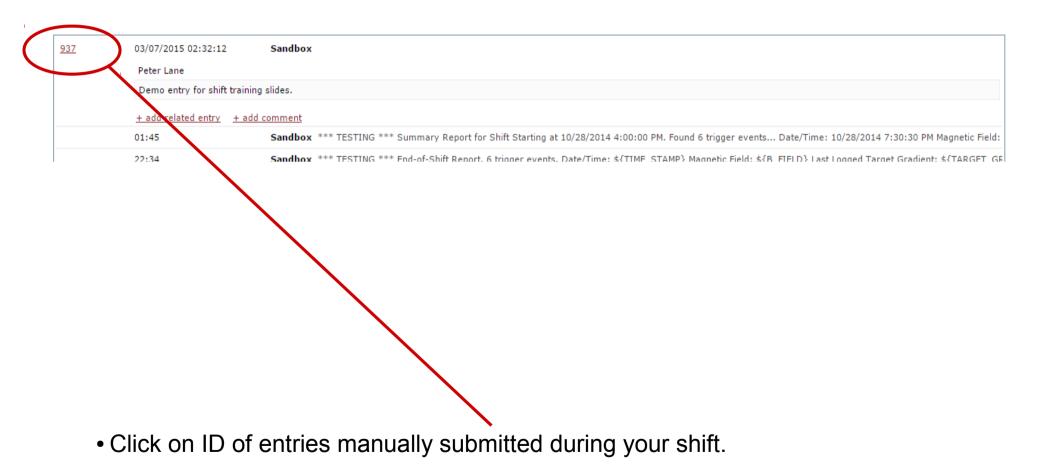
• Reports should happen automatically every fourth hour of the day (12AM, 4AM, ..., 8PM) • Reports can also be generated manually. Just select a time between the start (inclusive) and end (exclusive) of the target shift. Press Manual Report button. 8

ECL End-of-Shift Report Entry

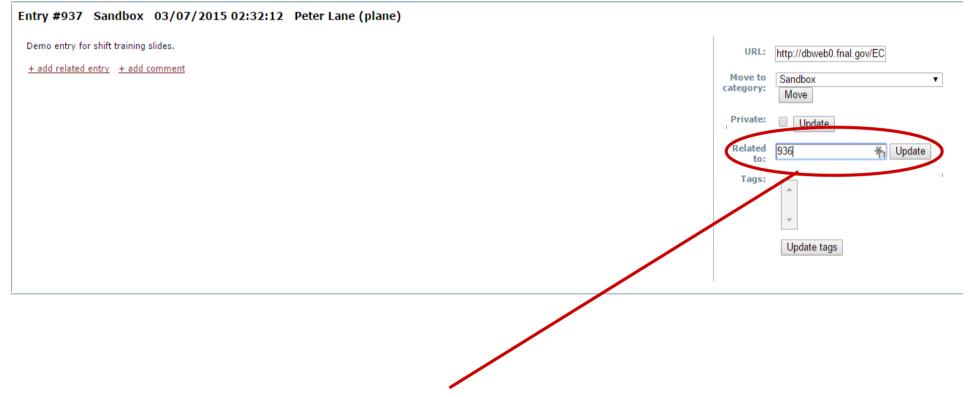


• Note: same entry ID as was in the Controls Log Monitor Last Entry ID box.

ECL Manual Shift Entry



Setting Related in Manual Entries



• Enter the ID of the automatic end-of-shift summary report and click Update.

Shift Entries Thread



- Manual shift log entries are now all related to automatic end-of-shift summary.
- Click on any of the thread icons to see all related entries for your shift.

Help!

 Send me email (plane1@hawk.iit.edu) or call (x5555 or 773-988-4905) for help, complaints, or feature requests related to the ACNET Monitor or Controls Log Monitor.