

VME Intensity Monitor - Task #16530

Milestone # 16524 (New): Commission new toroid nodes at NML

Create NMLTR3 startup script and build target

05/15/2017 01:57 PM - John Diamond

Status:	Closed	Start date:	05/15/2017
Priority:	Normal	Due date:	
Assignee:	John Diamond	% Done:	100%
Category:	Deploy & Config	Estimated time:	2.00 hours
Target version:		Spent time:	0.50 hour
Description			

History

#1 - 05/15/2017 01:58 PM - John Diamond

- Tracker changed from Milestone to Task

#2 - 05/16/2017 06:33 PM - John Diamond

- Category set to Deploy & Config

- Status changed from New to Work in progress

- Assignee set to John Diamond

- % Done changed from 0 to 100

- Created build target: MVME5500-nmltr3_64
- Created startup script: nml2tr3startup
- Configured ADC for A16 base 0x1000
- Toroid configuration:

```
#-----  
#--- ADD AND CONFIGURE MONITORS  
#-----  
#   addDcct ( adcId, ssdnCh, adcChannel, threshold );  
#   addAstaToroid ( adcId, ssdnCh, adcChannel, threshold, direction, droopCorSw );  
#   --- threshold -128 to 127,  
#   --- direction neg 0, pos 1,  
#   --- droopCorSw off 0, on 1  
#-----  
addAstaToroid( 0, 0, 0, 127, 0, 0 );  
vmeintBBBReadoutEnable 0  
vmeintADCBBBGateModeEnable 0
```

- Created boot area:

```
/fecode-bd/vxworks_boot/fe/nmltr3
```

- Installed development-level release and nmltr3startup script to boot area

#3 - 07/11/2017 07:20 PM - John Diamond

- Status changed from Work in progress to Closed