

Main Injector LeCroy Scopes

The LeCroy Oscilloscopes located in the Main Injector Service buildings are on the BD network and available for diagnostics use.

LeCroy Waverunner model LT344 DSO

4 Channels,	BW 500 MHz,	500 MS/sec Sample Rate
Ethernet connected	GPIB capable	MI CATV viewable
Math Functions		

The scopes are Ethernet enabled and may be viewed and controlled by network connected PCs using the "LeCroy" application "ScopeExplorer". This utility, other software, and user manuals may be copied or downloaded (license free) from the links listed below.

After installing "ScopeExplorer", open the "Scope" menu on the toolbar, add the scope IP addresses, choose the scope desired and click "OK". Then open the "Display" and "Control" menus and the scope will appear ready for use. You must choose either the "display" or the "control" screen in order to activate some of the toolbar items.

The scopes are also connected to the MI CATV system by an external "AverMedia" VGA to S-Video converter. The scopes are intended for short-term Instrumentation diagnostics and NOT for dedicated applications.

A chart of the IP Addresses and CATV channels is shown below.

Beams Division Server: (ScopeExplorer, Active DSO, and LabView Drivers)

\\Beamssrv1\inst.bd\Public\Instrumentation\LeCroy_Scopes

LeCroy Web Page: (ScopeExplorer, Manuals and Active DSO)

<http://www.lecroy.com/tm/library/software/default.asp?menuid=4>

<http://www.lecroy.com/tm/library/manuals/productseries.asp?menuid=1&type=Digital+Oscilloscopes>

National Instruments Web Page: (LabView Drivers)

<http://www.ni.com/devzone/idnet>

"Active DSO" is a utility that enables LeCroy oscilloscopes to be controlled by and exchange data with a variety of Windows applications that support the ActiveX standard. MS Office programs, Internet Explorer, Visual Basic, Visual C++, Visual Java, and Matlab (v5.3) are a few of the many applications that support ActiveX control.

Main Injector Service Building LeCroy Waverunner LT344 Scope Connections

MI Rack No:	Scope S/N	IP Addresses	CATV-CH
MI10113	LT34402970	131.225.126.140	34
MI20113	LT34402961	131.225.126.141	23
MI30113	LT34401719	131.225.126.142	36
MI40113	LT34401747	131.225.126.143	37
MI50113	LT34402968	131.225.126.144	38
MI60007 (C.R.)	LT34402382	131.225.126.145	22
MI60210 (60N)	LT34402969	131.225.126.146	39