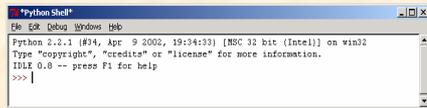


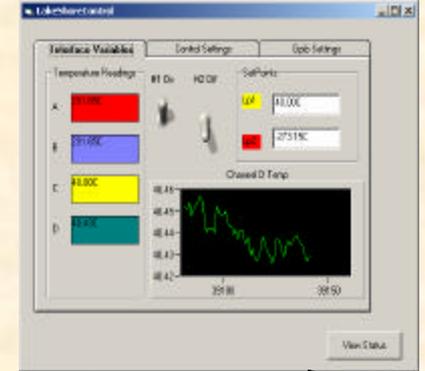
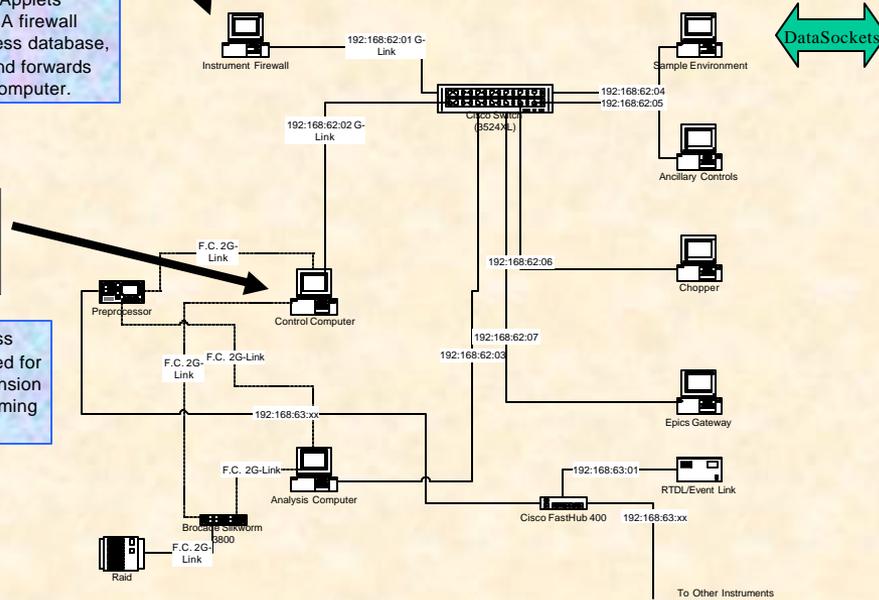
# Instrument Systems Data Acquisition Control Network



Web based control is achieved via Java Applets communicating with an access database. A firewall application handles security, monitors the access database, datasocket activity on the private network, and forwards Variable change requests to the control computer.



Control Variables (friendly names) are used as class variables in Python which is the scripting language used for run files and command line arguments. Windows extension open up the power of a platform independent programming language for instrument control.



Applications on the satellite computer are responsible



The Instrument Systems Data Acquisition control system is a network of PCs connected via Ethernet and fiber channel links. The control computer plays a central role as a monitor and director of the experiment. The control of hardware is provided by various satellite computers. Control access via the Internet is provided by the Firewall computer. Real time information provided by Accelerator system is transferred over a second Ethernet domain via an SNS developed UDP multicast protocol.