

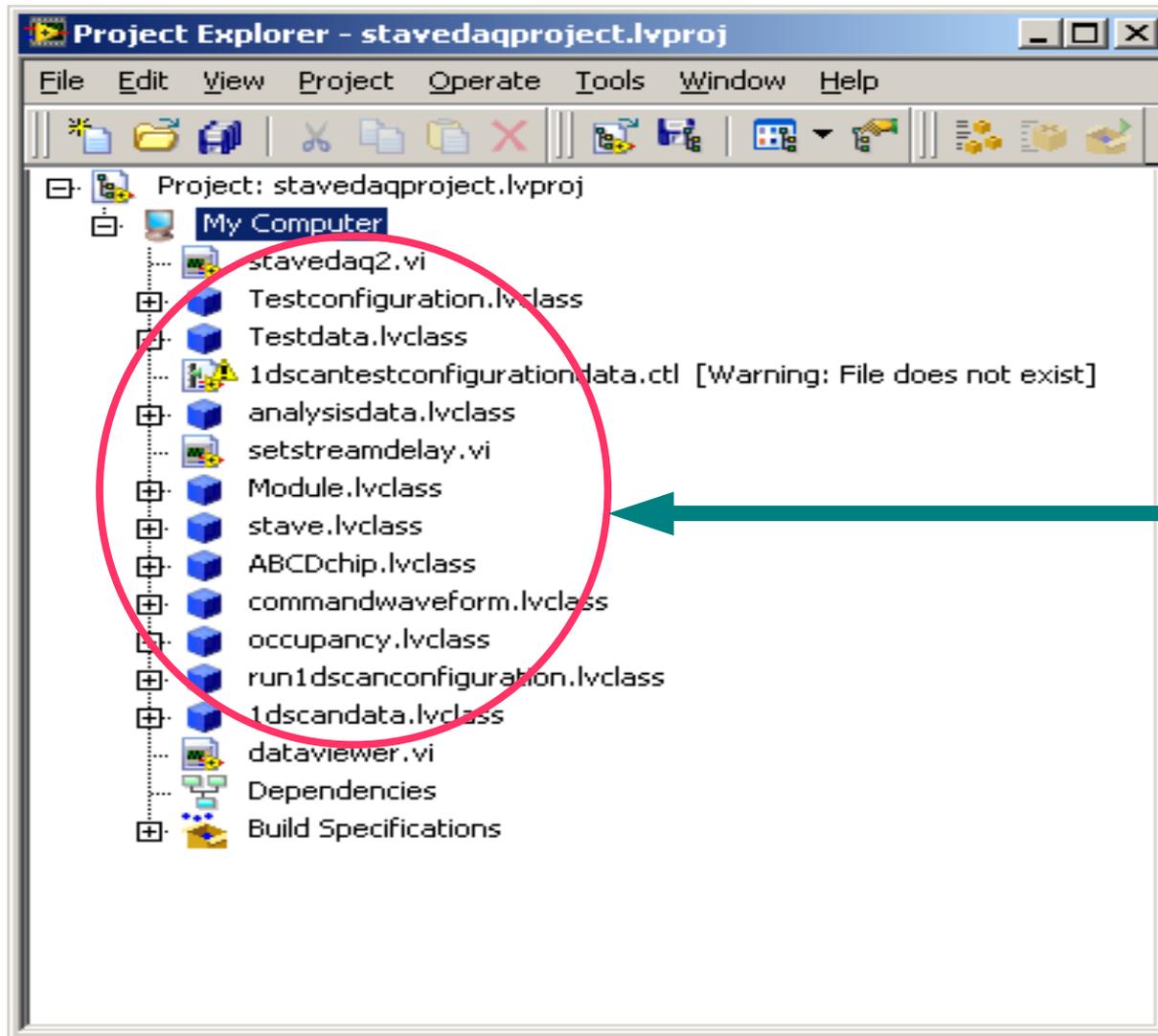
# STAVE DAQ

## Progress for week of 7/6/07

# GOOP

- We have found Graphical object oriented programming to be quite useful and effective for organizing the code and making it more modular and maintainable.
- The plan is to look into this further and perhaps develop a framework of reusable objects that we can use to construct any arbitrary test or analysis routine

# Classes are organized into a labview project



The list of classes is shown at left: each class has a cluster of data as well as some vis that access this class of data; similar to data and methods in OOP in text based languages

# Scaling the analysis routines up to more modules is continuing

- 3pt gain, response curve, and strobe delay are finished
- Next week, we will focus on the other tests as well

# Analysis file viewer

- Along with raw data viewer, we will have a file viewer for the analysis routines.

2. Planned functionality for this file viewer will be :

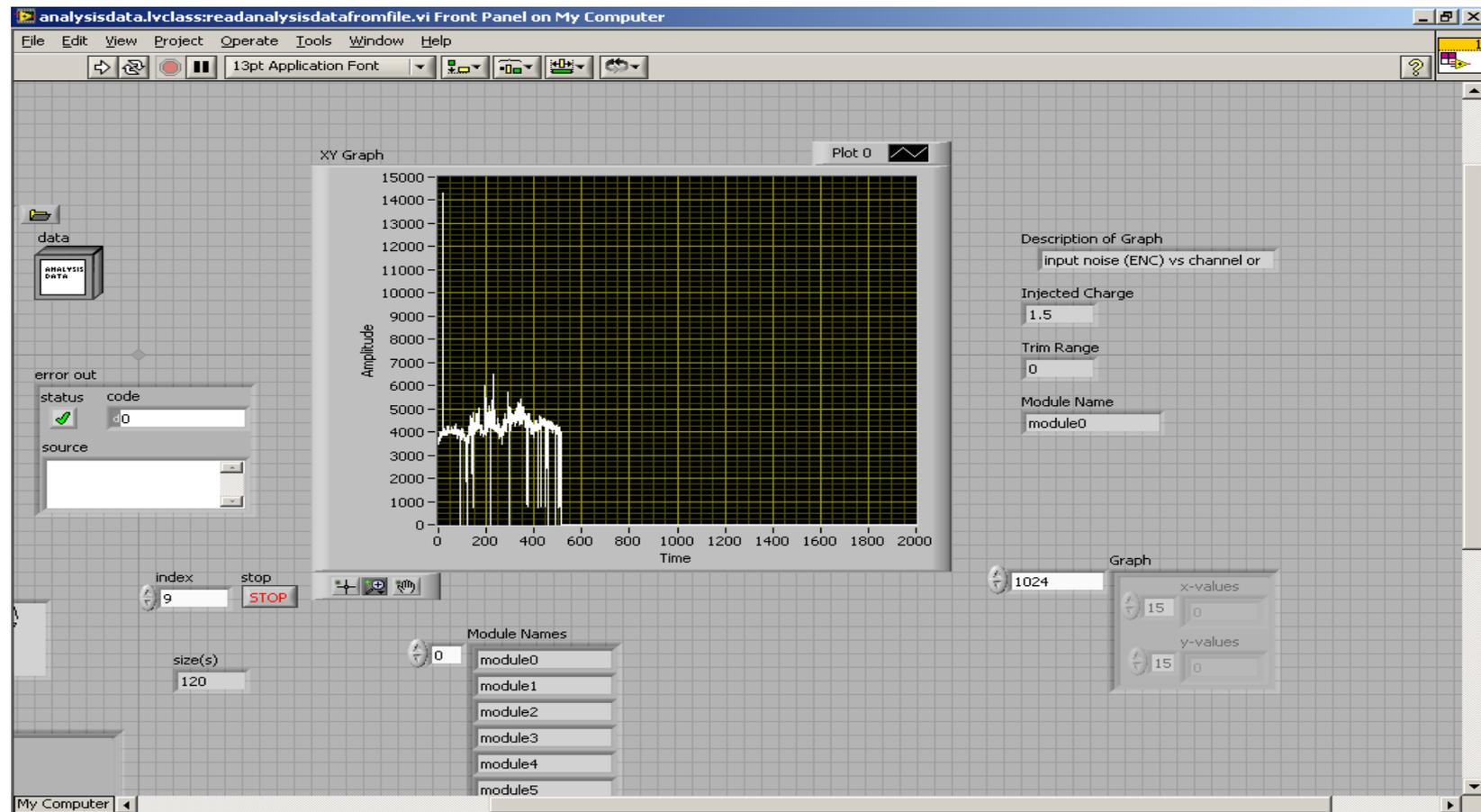
1. Zooming in to and out of graphs

2. Export data to ASCII and Excel file format for further plots or analysis

3. Displaying the file format in a tree control

# Beginning of the analysis file viewer

- The analysis file viewer and the analysis routines are developed together so that we can see if the analysis routines are correctly analyzing the data.



# Next week plan

- Continue analysis code and file viewer
- At some point, we should develop the code into a framework of objects so that it will be easy to add tests and analyze new data.