Miles Colman - Photogrammetry system
LA: Willie Sanchez

Checkoffs:

major modules:

image storage module
- stores 24 bit input data on two zbt ram chips
- alternates chip used for storage every x pixel
- this allows clocking at display frequency, dual port memory

will be tested by displaying image to screen that is written to memory and read from memory

distance calculator:
- will use hardwired coefficients to calculate distance to object
- takes averaged pixel locations exceeding threshold luminance on vsync from each camera

if times permits: will be tested by displaying actual distance data on screen based on live-updating camera inputs
baseline: will display distance data on screen from camera inputs that are switched manually on one labkit

image display module
- displays signals from two labkits on screen
- displays distance information in changing size if time permits
- accounts for delay of connector between labkits

will be demonstrated by displaying two video feeds