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