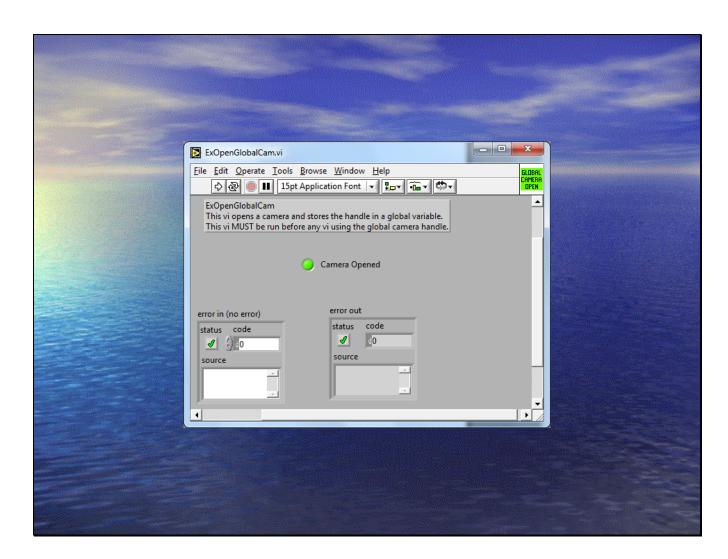


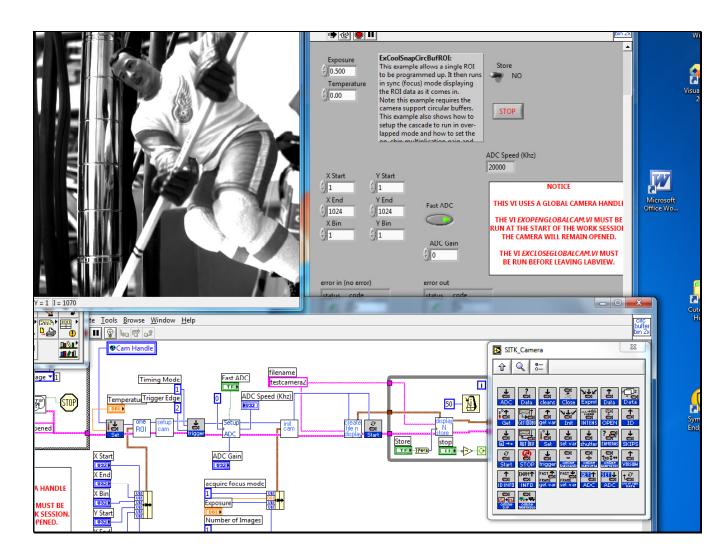


- Go to the SIToolkit/LabVIEW/ExamplesXX folder.
- Go to the Open-Close folder
- Select ExOpenGlobalCam.vi and run it.
- The green light should come on when the camera is opened succesfully.
- Keep camera open until you are ready to leave Labview then run ExCloseGlobalCam.vi which will close the camera and do clean up.



Collecting data

- Go to the Q-Imaging Folder in Examples.
- This contains many examples.
- Select ExQCircBufROI.vi and fill in exposure and x and y dimension.
- Run the example and you should see a display that is collecting data.
- Hit the "STOP" button on the front panel (not the LabVIEW vi stop)

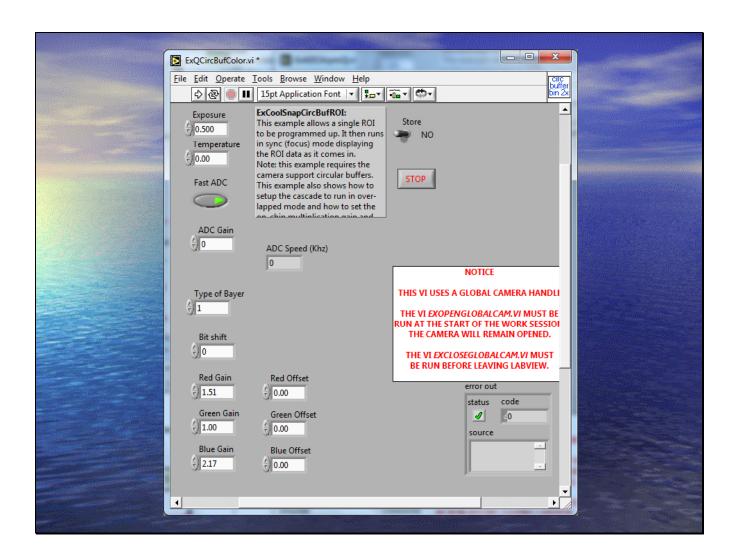


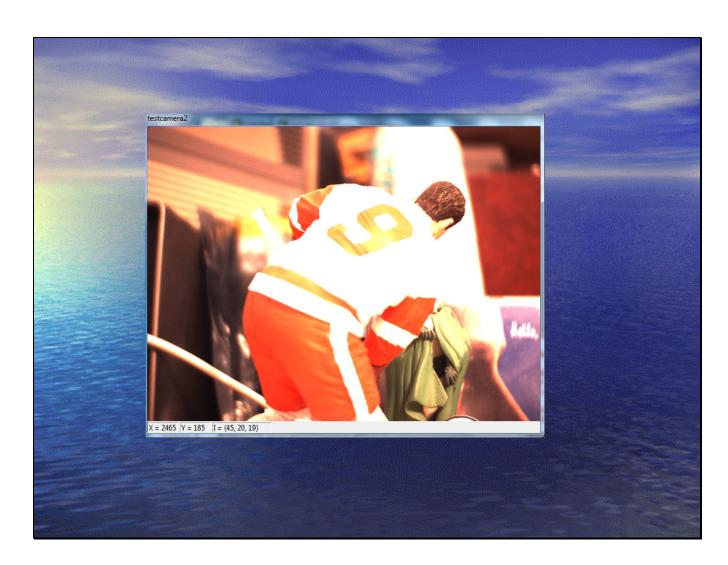
Other programs that can be run.

- After the STOP button has been hit you can rerun this program or try other programs.
- ExQCircBufROI.vi shows focus mode which continuously captures data.
- ExSimpleAsyncExampleGblQ.vi shows how to capture single frames at a time.
- ExQSnapNframeSeq.vi shows how to capture a sequence of frames fast (stored in ram, then displayed when done).

Color cameras

- If you have a color camera, you can still use previous programs but the images will be grayscale. An example of getting a color image is the data collection example ExQCircBufColor.vi.
- Fill in red, green and blue gains. These may be different for each color camera. Some good defaults are loaded.





SITK® for LabView Pallets

- There are 7 pallets in the user library that are supplied.
- Advanced Display: Full image support including overlays
- Camera: Camera setup and data collection
- Simple Display: Fast but limited feature image display.
- File: including Tif and Spe file formats.
- Image: allows pixels, rows, columns and full images to be retrieved and placed in the SITK® internal data structures.
- Math: general math operations, including statistics, that are quicker than bringing data out to LabView
- General: miscellaneous functions



