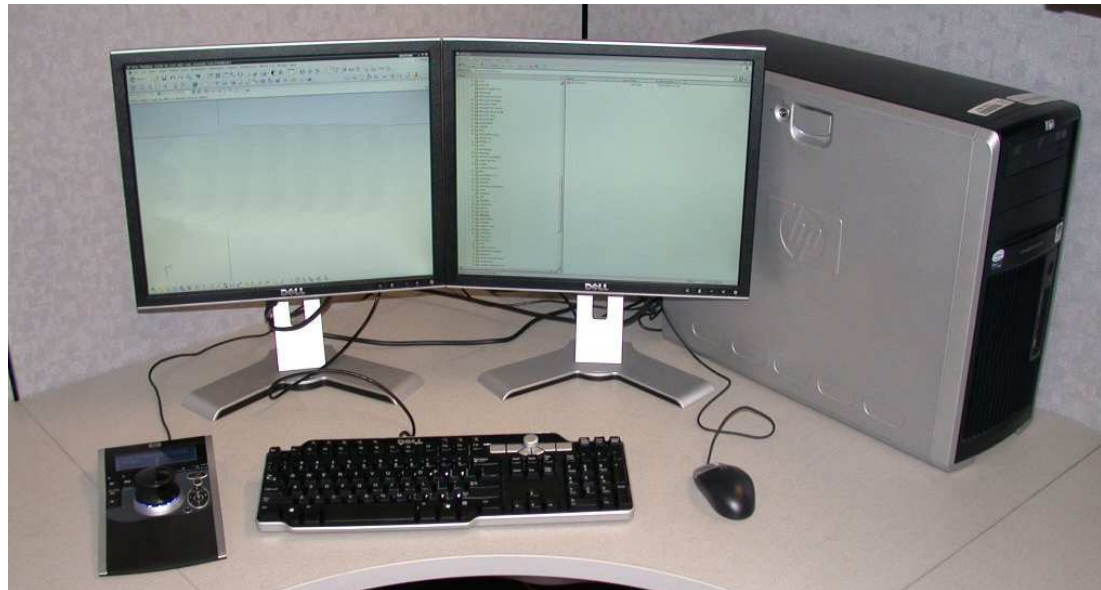# Comparison of Graphics Cards and NX 4 vs NX 6 (32 bit)

1. Evaluate the performance of an xw8400 workstation with different graphics cards installed.

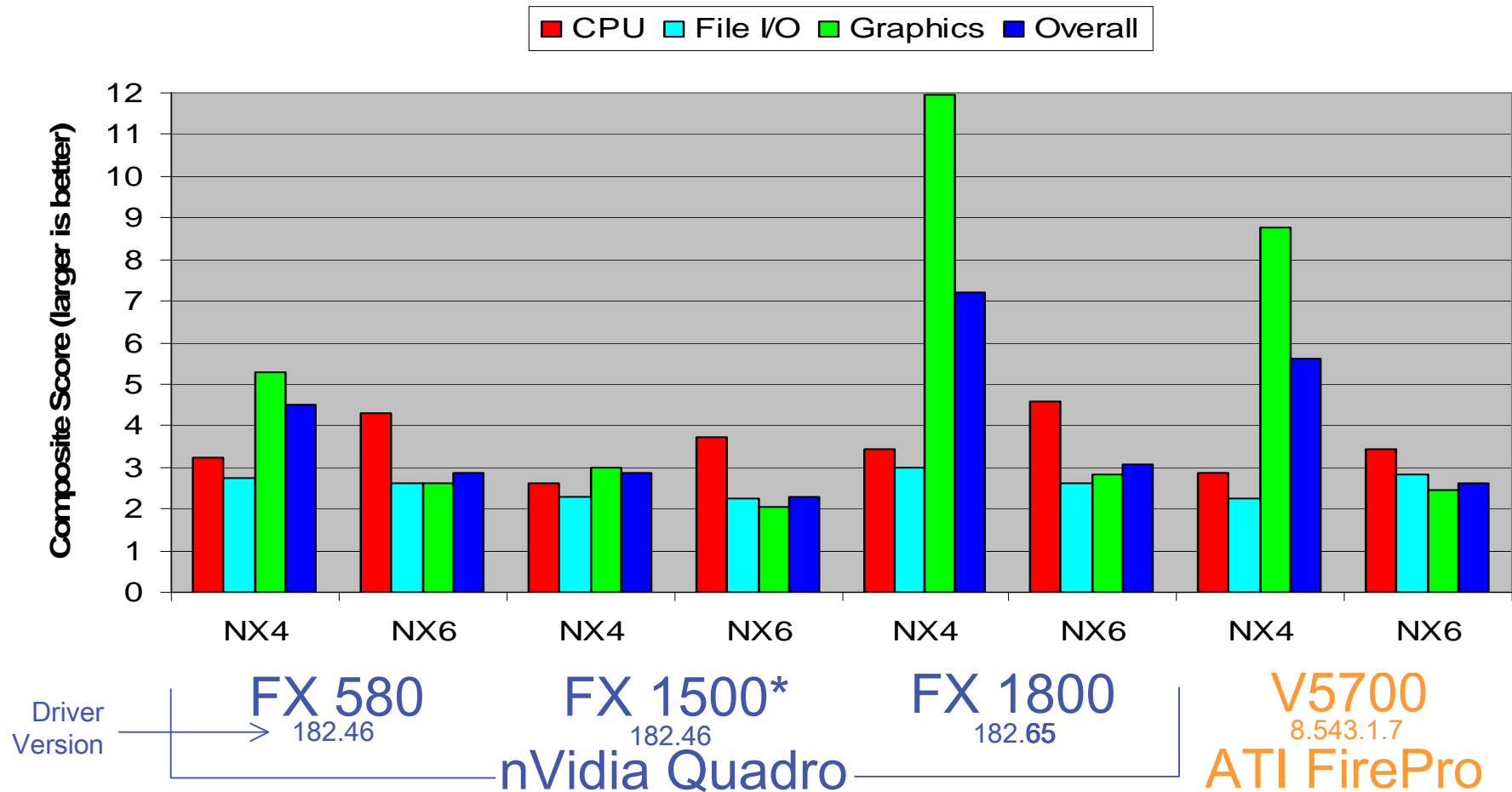2. Perform SPECapc testing using both NX 4.0.3.3 and NX 6.0.4.3.

Experimental Setup – Round 1

- HP xw8400 Workstation
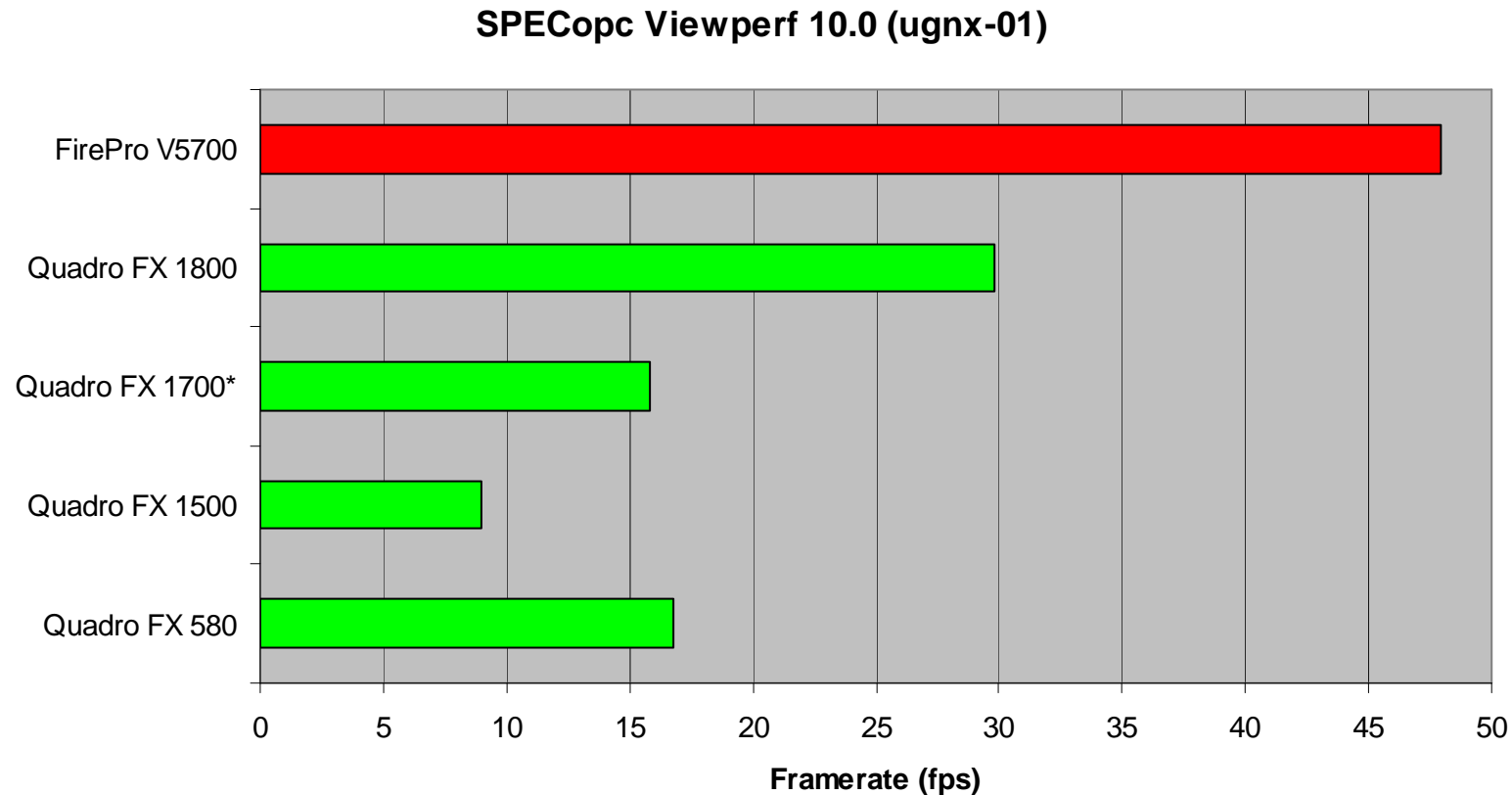- Dual 19" LCD Monitors (DVI connection)
- Space Pilot

SPECapc Test Results

NX4 vs NX6

Legend: CPU (red), File I/O (cyan), Graphics (green), Overall (blue)

*Standard Video Card on the xw8400 workstation

SPECopc Test Results

SPECopc Viewperf 10.0 (ugnx-01)

Comparable results to: http://www.nvidia.com/object/IO_11761.html and

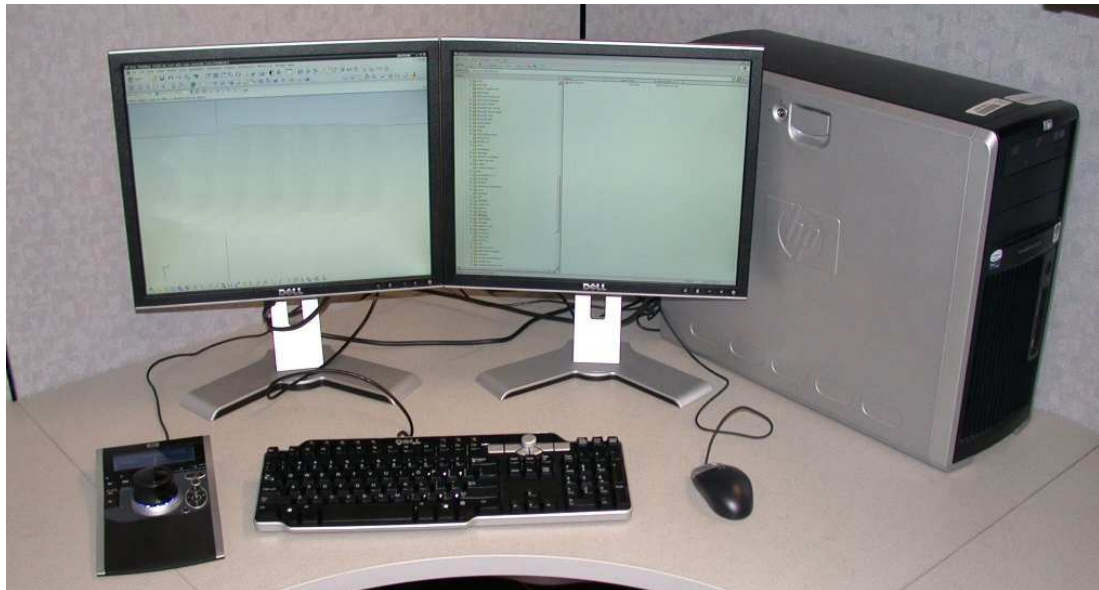http://www.tomshardware.com/charts/workstation-graphics-charts/SPECopc-Viewperf-10.0-UGS-NX,135.html

*Standard Video Card on and tested with xw8600 64 bit Workstation

Comparison of Graphics Cards and NX 4 vs NX 6 (64 bit)

1. Reevaluate the performance with an xw8600 workstation with different graphics cards installed.

2. Repeat SPECapc testing using 64 bit versions of both NX 4.0.4.2 and NX 6.0.3.6.
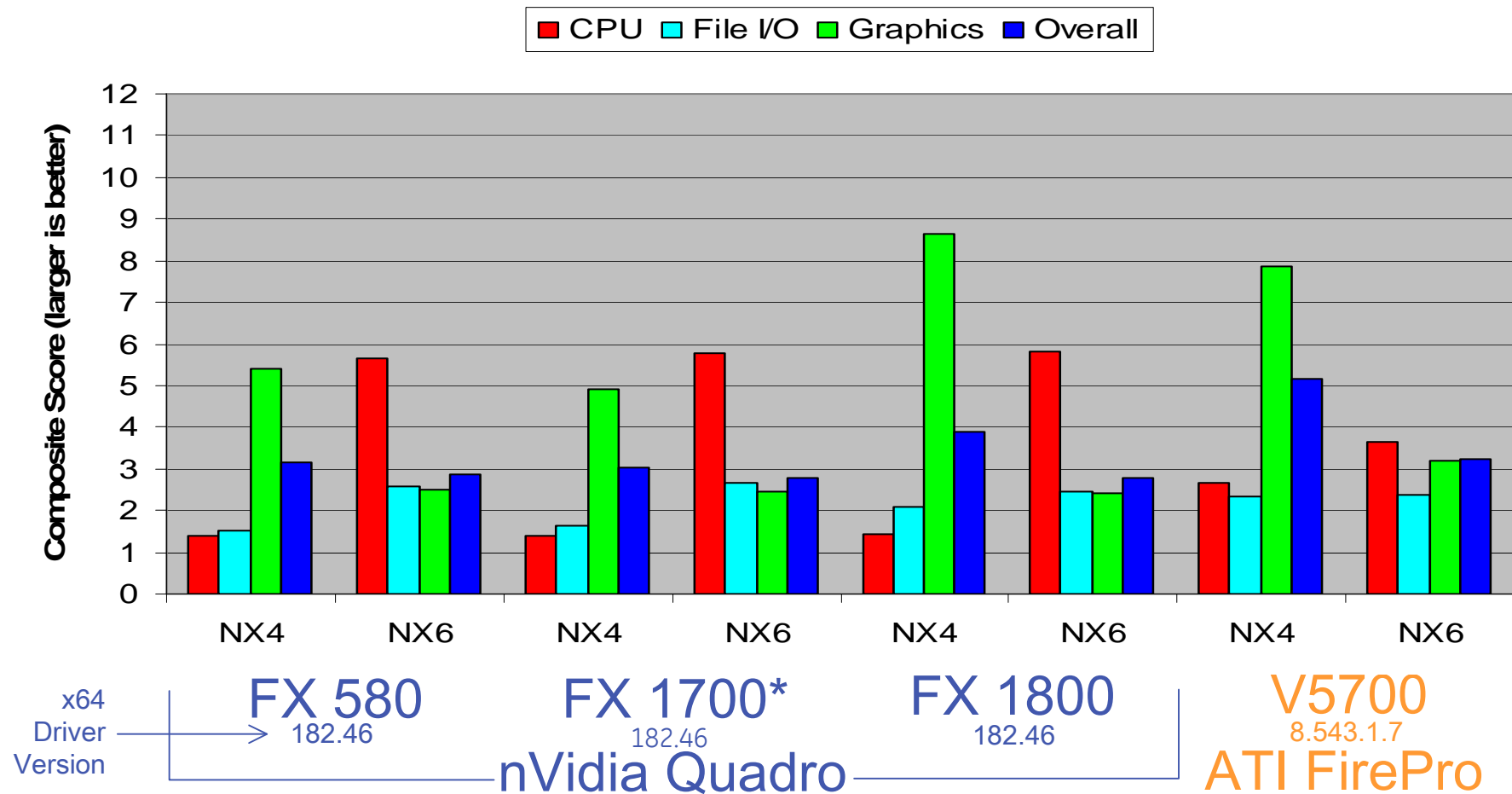
Experimental Setup – Round 2

- HP xw8600 Workstation (XP x64)
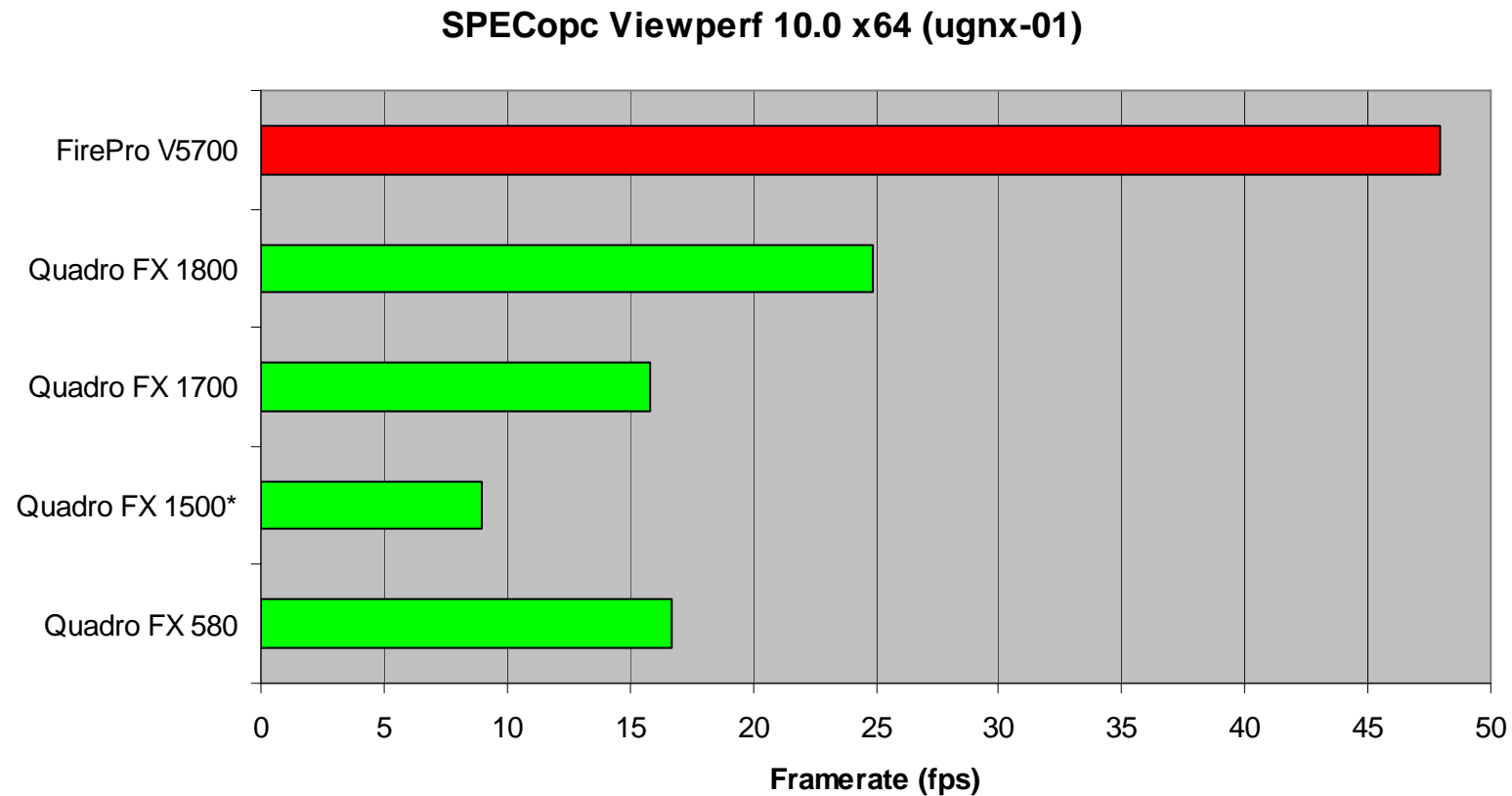- Dual 19" LCD Monitors (DVI connection)
- Space Pilot

SPECapc Test Results (64 bit)

NX4 vs NX6 (64 bit)

*Standard Video Card on HP xw8600 Workstation

SPECopc Test Results (64 bit)

SPECopc Viewperf 10.0 x64 (ugnx-01)

nVidia FX 1800 performed 5 fps worse than in the 32 bit xw8400.

Could be do to the different driver that was used here.

*Standard Video Card on and tested with xw8400 32 bit Workstation