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testing-kubuntu-saucy-graphics

Running pts/unigine-sanctuary-1.5.2 via the Phoronix Test Suite.

Test Systems:

kernel 3.12rc7 mesa 10git

Processor: Intel Core i5-4670K @ 4.60GHz (4 Cores), Motherboard: Gigabyte Z87-D3HP-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-0 + 120GB SanDisk SDSSDX12 + 1500GB SAMSUNG HD154UI, Graphics: Intel Haswell Desktop, Audio: Intel Haswell HDMI, Network: Intel Connection I217-V + Ralink RT2800 802.11n PCI

OS: Ubuntu 13.10, Kernel: 3.12.0-rc7-leomilano (x86_64), Desktop: KDE 4.11.2, Display Server: X Server 1.14.3, Display Driver: intel 2.99.905, OpenGL: 3.0 Mesa 10.0.0-devel (git-b16b3c8 saucy-oibaf-ppa), Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

kernel 3.11 mesa-10-git

Processor: Intel Core i5-4670K @ 3.40GHz (4 Cores), Motherboard: Gigabyte Z87-D3HP-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-0 + 120GB SanDisk SDSSDX12 + 1500GB SAMSUNG HD154UI, Graphics: Intel Haswell Desktop, Audio: Intel Haswell HDMI, Network: Intel Connection I217-V + Ralink RT2800 802.11n PCI

OS: Ubuntu 13.10, Kernel: 3.11.0-12-generic (x86_64), Desktop: KDE 4.11.2, Display Server: X Server 1.14.3, Display Driver: intel 2.99.905, OpenGL: 3.0 Mesa 10.0.0-devel (git-b16b3c8 saucy-oibaf-ppa), Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

kernel 3.11 mesa-10-git-2013.11.04

Processor: Intel Core i5-4670K @ 3.40GHz (4 Cores), Motherboard: Gigabyte Z87-D3HP-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-0 + 120GB SanDisk SDSSDX12 + 1500GB SAMSUNG HD154UI, Graphics: Intel Haswell Desktop, Audio: Intel Haswell HDMI, Network: Intel Connection I217-V + Ralink RT2800 802.11n PCI

OS: Ubuntu 13.10, Kernel: 3.11.0-12-generic (x86_64), Desktop: KDE 4.11.2, Display Server: X Server 1.14.3, Display Driver: intel 2.99.905, OpenGL: 3.0 Mesa 10.0.0-devel (git-2f89662 saucy-oibaf-ppa), Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

kernel 3.11 mesa-10-git-2013.11.05

Processor: Intel Core i5-4670K @ 3.40GHz (4 Cores), Motherboard: Gigabyte Z87-D3HP-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-0 + 120GB SanDisk SDSSDX12 + 1500GB SAMSUNG HD154UI, Graphics: Intel Haswell Desktop, Audio: Intel Haswell HDMI, Network: Intel Connection I217-V + Ralink RT2800 802.11n PCI

OS: Ubuntu 13.10, Kernel: 3.11.0-12-generic (x86_64), Desktop: KDE 4.11.2, Display Server: X Server 1.14.3, Display Driver: intel 2.99.905, OpenGL: 3.0 Mesa 10.0.0-devel (git-86cdff5 saucy-oibaf-ppa), Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

kernel-git-pre 3.13

Processor: Intel Core i5-4670K @ 4.60GHz (4 Cores), Motherboard: Gigabyte Z87-D3HP-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-0 + 120GB SanDisk SDSSDX12 + 1500GB SAMSUNG HD154UI, Graphics: Intel Haswell Desktop, Audio: Intel Haswell HDMI, Network: Intel Connection I217-V + Ralink RT2800 802.11n PCI

OS: Ubuntu 13.10, Kernel: 3.12.0-leomilano (x86_64), Desktop: KDE 4.11.3, Display Server: X Server 1.14.3, Display Driver: intel 2.99.905, OpenGL: 3.1 Mesa 9.2.1, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

mesa-update

Processor: Intel Core i5-4670K @ 3.40GHz (4 Cores), Motherboard: Gigabyte Z87-D3HP-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-0 + 120GB SanDisk SDSSDX12 + 1500GB SAMSUNG HD154UI, Graphics: Intel HD 4600 (1200MHz), Audio: Intel Haswell HDMI, Network: Intel Connection I217-V + Ralink RT2800 802.11n PCI

OS: Ubuntu 13.10, Kernel: 3.11.0-15-generic (x86_64), Desktop: KDE 4.12.0, Display Server: X Server 1.14.4.901 (1.14.5 RC 1), Display Driver: intel 2.99.907, OpenGL: 3.3 Mesa 10.1.0-devel, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

kernel 3.13rc6

Processor: Intel Core i5-4670K @ 4.60GHz (4 Cores), Motherboard: Gigabyte Z87-D3HP-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-0 + 120GB SanDisk SDSSDX12 + 1500GB SAMSUNG HD154UI, Graphics: Intel HD 4600 (1200MHz), Audio: Intel Haswell HDMI, Network: Intel Connection I217-V + Ralink RT2800 802.11n PCI

OS: Ubuntu 13.10, Kernel: 3.13.0-rc6-leomilano (x86_64), Desktop: KDE 4.12.0, Display Server: X Server 1.14.4.901 (1.14.5 RC 1), Display Driver: intel 2.99.907, OpenGL: 3.3 Mesa 10.1.0-devel, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

kernel 3.13rc6 allocated-gpu-ram=1024

Processor: Intel Core i5-4670K @ 4.60GHz (4 Cores), Motherboard: Gigabyte Z87-D3HP-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 7168MB, Disk: 1000GB Western Digital WD1001FALS-0 + 120GB SanDisk SDSSDX12 + 1500GB SAMSUNG HD154UI, Graphics: Intel HD 4600 (1200MHz), Audio: Intel Haswell HDMI, Network: Intel Connection I217-V + Ralink RT2800 802.11n PCI

OS: Ubuntu 13.10, Kernel: 3.13.0-rc7-leomilano (x86_64), Desktop: KDE 4.12.0, Display Server: X Server 1.14.5, Display Driver: intel 2.99.904, OpenGL: 3.1 Mesa 9.2.1, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

kernel 3.13.2 mesa 10.2 xorg-edgers

Processor: Intel Core i5-4670K @ 4.60GHz (4 Cores), Motherboard: Gigabyte Z87-D3HP-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-0 + 120GB SanDisk SDSSDX12 + 1500GB SAMSUNG HD154UI, Graphics: Intel HD 4600 (1200MHz), Audio: Intel Haswell HDMI, Network: Intel Connection I217-V + Ralink RT2800 802.11n PCI

OS: Ubuntu 13.10, Kernel: 3.13.2-leomilano (x86_64), Desktop: KDE 4.12.1, Display Server: X Server 1.14.5, Display Driver: intel 2.99.909, OpenGL: 3.3 Mesa 10.1.0-devel, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

kernel 3.13.3 mesa 10.2 xorg-edgers update

Processor: Intel Core i5-4670K @ 4.50GHz (4 Cores), Motherboard: Gigabyte Z87-D3HP-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-0 + 120GB SanDisk SDSSDX12 + 1500GB SAMSUNG HD154UI, Graphics: Intel HD 4600 (1200MHz), Audio: Intel Haswell HDMI, Network: Intel Connection I217-V + Ralink RT2800 802.11n PCI

OS: Ubuntu 13.10, Kernel: 3.13.3-leomilano (x86_64), Desktop: KDE 4.12.1, Display Server: X Server 1.14.5, Display Driver: intel 2.99.910, OpenGL: 3.3 Mesa 10.2.0-devel, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

kernel 3.14.0-rc8 mesa 10.1

Processor: Intel Core i5-4670K @ 4.50GHz (4 Cores), Motherboard: Gigabyte Z87-D3HP-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-0 + 120GB SanDisk SDSSDX12 + 1500GB SAMSUNG HD154UI, Graphics: Intel HD 4600 (1200MHz), Audio: Intel Xeon E3-1200 v3/4th, Network: Intel Connection I217-V + Ralink RT2800 802.11n PCI

OS: Ubuntu 14.04, Kernel: 3.14.0-rc8-leomilano (x86_64), Desktop: KDE 4.13.0, Display Server: X Server 1.15.1, Display Driver: intel 2.99.910, OpenGL: 3.3 Mesa 10.1.0, Compiler: GCC 4.8.2, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

mesa 10.3-git

Processor: Intel Core i5-4670K @ 4.50GHz (4 Cores), Motherboard: Gigabyte Z87-D3HP-CF, Chipset: Intel 4th Gen Core DRAM, Memory: 8192MB, Disk: 1000GB Western Digital WD1001FALS-0 + 120GB SanDisk SDSSDX12 + 1500GB SAMSUNG HD154UI, Graphics: Intel HD 4600 (1200MHz), Audio: Intel Xeon E3-1200 v3/4th, Network: Intel Connection I217-V + Ralink RT2800 802.11n PCI

OS: Ubuntu 14.04, Kernel: 3.14.0-rc8-leomilano (x86_64), Desktop: KDE 4.13.0, Display Server: X Server 1.15.1, Display Driver: intel 2.99.911, OpenGL: 3.3 Mesa 10.3.0-devel (git-5646319 trusty-oibaf-ppa), Compiler: GCC 4.8.2, File-System: ext4, Screen Resolution: 1920x1080

Graphics Notes: SNA

a10-7850k ddr3@2500mhz

a10-7850k ddr3@2500mhz GPU@920

test

a10-7850k ddr3@2400 GPU970

a10-7850k ddr3@2133 GPU@920 1GbGPURam

Processor: AMD A10-7850K Radeon R7 12 Compute Cores 4C+8G @ 3.70GHz (4 Cores), Motherboard: Gigabyte F2A68HM-H, Chipset: AMD Device 1422, Memory: 7168MB, Disk: 250GB Seagate ST3250620AS, Graphics: Gigabyte AMD Radeon R7 1024MB, Audio: ATI R6xx HDMI, Monitor: E225W-1920 + E225W-1920, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.04, Kernel: 3.13.0-45-generic (x86_64), Desktop: Unity 7.2.4, Display Server: X Server 1.15.1, Display Driver: fglrx 13.35.5, OpenGL: 4.3.12798, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Environment Notes: LIBGL_DRIVERS_PATH=/usr/lib/fglrx/dri:/usr/lib/x86_64-linux-gnu/dri:/usr/lib/dri:/usr/lib32/fglrx/dri:/usr/lib/i386-linux-gnu/dri

a10-7850k ddr3@2133 GPU@920 2GbGPURam

a10-7850k ddr3@2400 GPU@920 2GbGPURam

Processor: AMD A10-7850K Radeon R7 12 Compute Cores 4C+8G @ 3.70GHz (4 Cores), Motherboard: Gigabyte F2A68HM-H, Chipset: AMD Device 1422, Memory: 6144MB, Disk: 250GB Seagate ST3250620AS, Graphics: Gigabyte AMD Radeon R7 2048MB, Audio: ATI R6xx HDMI, Monitor: E225W-1920 + E225W-1920, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 14.04, Kernel: 3.13.0-45-generic (x86_64), Desktop: Unity 7.2.4, Display Server: X Server 1.15.1, Display Driver: fglrx 13.35.5, OpenGL: 4.3.12798, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Environment Notes: LIBGL_DRIVERS_PATH=/usr/lib/fglrx/dri:/usr/lib/x86_64-linux-gnu/dri:/usr/lib/dri:/usr/lib32/fglrx/dri:/usr/lib/i386-linux-gnu/dri

a10-7850k ddr3@2133 Catalyst Upgrade

Processor: AMD A10-7850K Radeon R7 12 Compute Cores 4C+8G @ 3.70GHz (4 Cores), Motherboard: Gigabyte F2A68HM-H, Chipset: AMD Device 1422, Memory: 6144MB, Disk: 250GB Seagate ST3250620AS + 250GB Samsung SSD 850, Graphics: Gigabyte AMD Radeon R7 2048MB, Audio: ATI R6xx HDMI, Monitor: E225W-1920 + E225W-1920, Network: Realtek RTL8111/8168/8411 + Qualcomm Atheros AR9287 Wireless

OS: Ubuntu 14.04, Kernel: 3.13.0-62-lowlatency (x86_64), Desktop: Unity 7.2.5, Display Server: X Server 1.15.1, Display Driver: fglrx 15.20.2, OpenGL: 4.3.13374, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Environment Notes: LIBGL_DRIVERS_PATH=/usr/lib/fglrx/dri:/usr/lib/x86_64-linux-gnu/dri:/usr/lib/dri:/usr/lib32/fglrx/dri:/usr/lib/i386-linux-gnu/dri

a10-7850k ddr3@2133 kernel 3.19

Processor: AMD A10-7850K Radeon R7 12 Compute Cores 4C+8G @ 3.70GHz (4 Cores), Motherboard: Gigabyte F2A68HM-H, Chipset: AMD Device 1422, Memory: 6144MB, Disk: 250GB Seagate ST3250620AS + 250GB Samsung SSD 850, Graphics: Gigabyte AMD Radeon R7 2048MB, Audio: AMD Device 1308, Monitor: E225W-1920 + E225W-1920, Network: Realtek RTL8111/8168/8411 + Qualcomm Atheros AR9287 Wireless

OS: Ubuntu 14.04, Kernel: 3.19.0-26-lowlatency (x86_64), Desktop: Unity 7.2.5, Display Server: X Server 1.15.1, Display Driver: fglrx 15.20.2, OpenGL: 4.3.13374, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

Environment Notes: LIBGL_DRIVERS_PATH=/usr/lib/fglrx/dri:/usr/lib/x86_64-linux-gnu/dri:/usr/lib/dri:/usr/lib32/fglrx/dri:/usr/lib/i386-linux-gnu/dri

nvidia-gtx-750-Ti

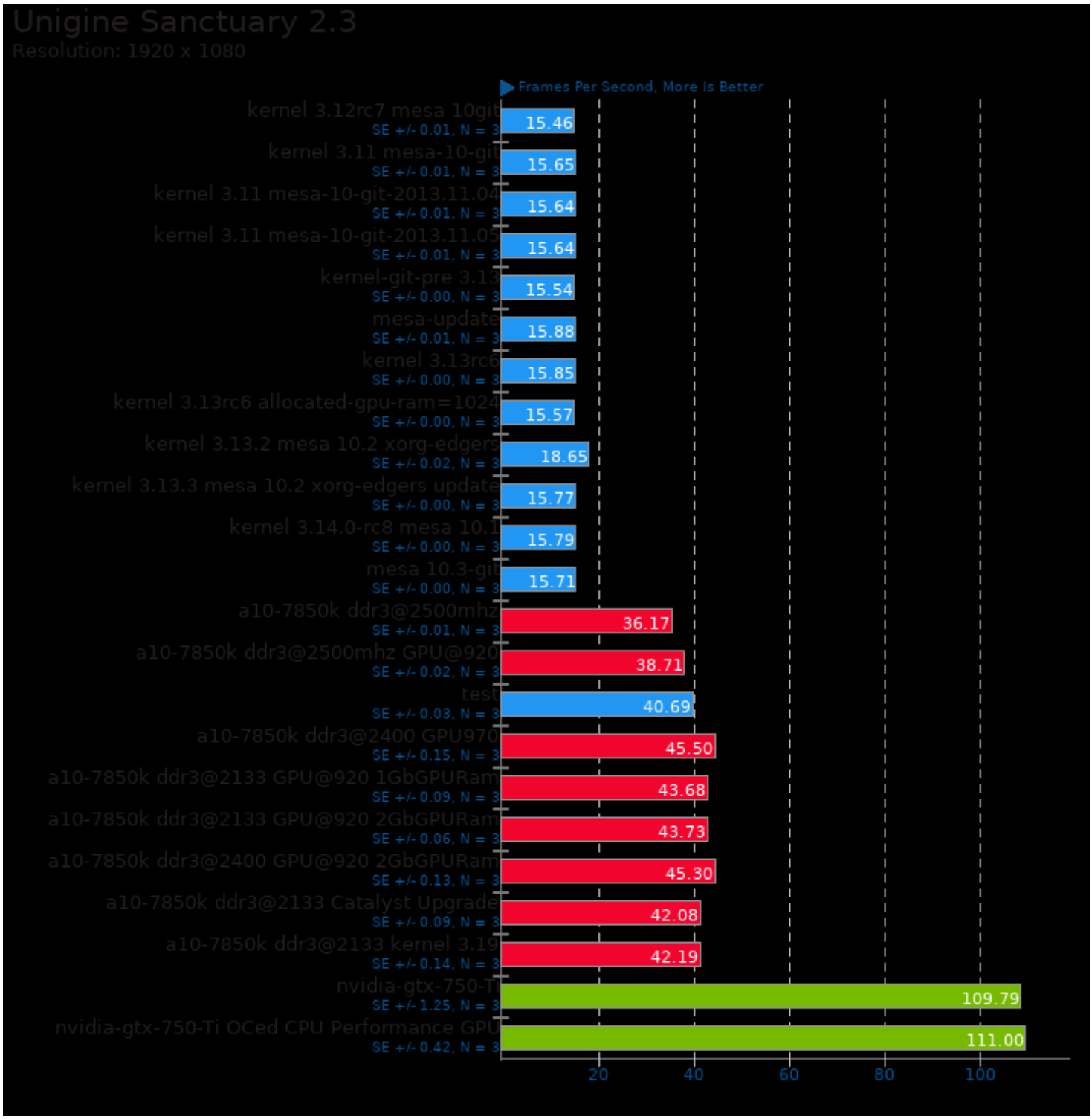
nvidia-gtx-750-Ti OCed CPU Performance GPU

Processor: AMD A10-7850K Radeon R7 12 Compute Cores 4C+8G @ 3.70GHz (4 Cores), Motherboard: Gigabyte F2A68HM-H, Chipset: AMD Family 15h, Memory: 8192MB, Disk: 250GB Seagate ST3250620AS + 250GB Samsung SSD 850, Graphics: MSI NVIDIA GeForce GTX 750 Ti 2048MB, Audio: Realtek ALC887-VD, Network: Realtek RTL8111/8168/8411 + Qualcomm Atheros AR9227 Wireless

testing-kubuntu-saucy-graphics

OS: Ubuntu 14.04, Kernel: 4.2.0-41-generic (x86_64), Desktop: Unity 7.2.6, Display Server: X Server 1.15.1, Display Driver: nouveau 1.0.10, OpenGL: 4.3.0, Compiler: GCC 4.8, File-System: ext4, Screen Resolution: 1920x1080

	kernel 3.12rc7 mesa 10git	kernel 3.11 mesa-10-git	kernel 3.11 mesa-10-git-2013.11.04	kernel 3.11 mesa-10-git-2013.11.05	kernel-git-pre 3.13	mesa-update	kernel 3.13rc6	kernel 3.13rc6 allocated-gpu-ram=1024	kernel 3.13.2 mesa 10.2 xorg-edgers	kernel 3.13.3 mesa 10.2 xorg-edgers update	kernel 3.14.0-rc8 mesa 10.1	mesa 10.3-git	a10-7850k ddr3@2500mhz	a10-7850k ddr3@2500mhz GPU@920	test	a10-7850k ddr3@2400 GPU970	a10-7850k ddr3@2133 GPU@920 1GbG PU Ram	a10-7850k ddr3@2133 GPU@920 2GbG PU Ram	a10-7850k ddr3@2400 GPU@920 2GbG PU Ram	a10-7850k ddr3@2133 Catalyst Upgrade	a10-7850k ddr3@2133 kernel 3.19	nvidia-gtx-750-Ti	nvidia-gtx-750-Ti OCed CPU Performance GPU
Unigine Sanctuary - 1920 x 1080 (FPS)	**15.46**	15.65	15.64	15.64	15.54	15.88	15.85	15.57	18.65	15.77	15.79	15.71	36.17	38.71	40.69	45.50	43.68	43.73	45.30	42.08	42.19	109.79	**111.00**
Normalized	13.93%	14.1%	14.09%	14.09%	14%	14.31%	14.28%	14.03%	16.8%	14.21%	14.23%	14.15%	32.59%	34.87%	36.66%	40.99%	39.35%	39.45%	40.81%	37.91%	38.01%	98.91%	100%
Standard Deviation	0.1%	0.1%	0.1%	0.1%	0%	0.1%	0.1%	0%	0.1%	0%	0.1%	0%	0.1%	0.1%	0.1%	0.6%	0.3%	0.2%	0.5%	0.4%	0.6%	2%	0.7%



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