Subject: CPU Temp
Posted by _SSnipe_ on Mon, 28 Jun 2010 07:25:01 GMT
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Over clocking my Phenom II x4 955

from I believe 3.2 to 3.5 ghz

I get a normal temp around 41C/105F

Is that to much heat?

once in while jumps to about 113F but mainly for 2 seconds then goes back around to it, but as i said it does happen rarely

so is it to hot?

by over clock i increased FBS to 215 from 210
and increase multiplier to 16 from 15'

so is it to hott?

FTW i dont have a stock heat sink/fan I have hyper N520 and a case system which tons of fans suck air in blow through cpu and out back of case

Subject: Re: CPU Temp
Posted by Wiener on Mon, 28 Jun 2010 08:35:45 GMT
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nah, 41°C is cool. When it passes 70°C you should watch it.

BTW: this should be in Technical support area (same as your other topic is)

Subject: Re: CPU Temp
Posted by ExEric3 on Mon, 28 Jun 2010 08:38:59 GMT
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Its normal temp. My Core i7 860 with box had on 100% usage temp about 52 - 60°C. I bought Zalman cooler and now is temp 32 - 40°C.

Subject: Re: CPU Temp
Posted by snpr1101 on Mon, 28 Jun 2010 08:50:25 GMT
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Heh, I remember my GPU Running at 88* Playing wow.

Good times

Subject: Re: CPU Temp
Posted by ExEric3 on Mon, 28 Jun 2010 08:53:25 GMT
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snpr1101 wrote on Mon, 28 June 2010 10:50Heh, I remember my GPU Running at 88* Playing wow.

Good times

Well my record on hard drives is 60°C

But this is off topic.

Subject: Re: CPU Temp
Posted by _SSnipe_ on Mon, 28 Jun 2010 10:13:40 GMT
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Thanks for reply I didnt have a clue what hot for a cpu was, someone told me 48c or something was bad thats why i was like wtf?

Subject: Re: CPU Temp
Posted by Omar007 on Mon, 28 Jun 2010 11:56:25 GMT
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(SSnipe) -BLU3Y3Z- wrote on Mon, 28 June 2010 12:13Thanks for reply I didnt have a clue what hot for a cpu was, someone told me 48c or something was bad thats why i was like wtf?

Well he is right... For stoneage proccessors
Nowadays 70*C is the temperature you should start to watch your CPU. The max core temperature gets higher over the years
Though a CPU works always best on low temperatures so having a good cooling system is not a

wrong idea. (liquid nitrogen/helium ftw)

My older CPU would meltdown at ~80*C but gladly it had a failsafe. I should watch it from 60*C but on 70*C it would shutdown the system and only boot after it was cool(er) again.
But then again i overclocked it to twice the speed it was supposed to run on

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Subject: Re: CPU Temp
Posted by Dover on Tue, 29 Jun 2010 03:00:18 GMT
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Just don't overclock. Jesus christ.

Subject: Re: CPU Temp
Posted by nikki6ixx on Tue, 29 Jun 2010 04:07:46 GMT
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Dover wrote on Mon, 28 June 2010 22:00Just don't overclock. Jesus christ.

His CPU has an unlocked multiplier, so it can be taken up a couple hundred MHz without any change to the voltage. I have mine at 3.7Ghz without any power increase, so it's 'safe'.

Subject: Re: CPU Temp
Posted by _SSnipe_ on Tue, 29 Jun 2010 06:55:29 GMT
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nikki6ixx wrote on Mon, 28 June 2010 21:07Dover wrote on Mon, 28 June 2010 22:00Just don't overclock. Jesus christ.

His CPU has an unlocked multiplier, so it can be taken up a couple hundred MHz without any change to the voltage. I have mine at 3.7Ghz without any power increase, so it's 'safe'. Hmm i increased my volts the next setting up changed fsb up by to 220 and multiplier to 16 and it hits 3.7 ghz and crashes but not on 3.6ghz i dont get why

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Subject: Re: CPU Temp
Posted by dr3w2 on Sat, 03 Jul 2010 04:33:57 GMT
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unless you plan on doing some intense encoding/encrypting dunno why the hell people bother to overclock from "3.2" to 3.6. I have an i7 and honestly I could have went much lower and not even see the difference - kind of wish I did to save the money on it. For even the most intense gaming the cpu barelly hovers around 8% usage. IDK, maybe you do processor intense applications however I just find that unlikely.

3.2ghz dual core is more then fast enough to happily run windows 7 and plenty of apps. Rather then waste your time and possible abuse to your cpu why not focus on your hdd access times (see solid state) considering where that's the biggest bottleneck on computers are now a days. You can clock your CPU all you want, but when the process idles over 90% of the time because it's waiting for the hdd or ram to respond to requests you won't be seeing any insane improvements.

Anyways, back to the temperature problems...Friend of mine had a core 2 duo running at 2.4. Had some problems with his fan, long story short the CPU had a safeguard to shutdown at 80degrees. The exact same setup on a second box they had idles at around 45 degrees. He went and purchased a new fan for 40$ and that dropped his temperature right down to 30degrees.

I would recommend staying around 40 on idle, and below 50..maybe 55 on heavy load if you can. It'll also help extend the life of the processor. Either way you should be safe right up to 60. As someone mentioned, at 70 is when you should definitely start keeping an eye on it.

As I mentioned, I'm running an i7 2.67ghz with a stock fan. There's also a massive radeon 4870 video card right close to it. Uptime of about 7 hours right now and sitting nicely at 41degrees

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Subject: Re: CPU Temp
Posted by nikki6ixx on Sat, 03 Jul 2010 04:43:39 GMT
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andr3w282 wrote on Fri, 02 July 2010 23:33unless you plan on doing some intense encoding/encrypting dunno why the hell people bother to overclock from "3.2" to 3.6.

3.2ghz dual core is more then fast enough to happily run windows 7 and plenty of apps. Rather then waste your time and possible abuse to your cpu why not focus on your hdd access times (see solid state) considering where that's the biggest bottleneck on computers are now a days. You can clock your CPU all you want, but when the process idles over 90% of the time because it's waiting for the hdd or ram to respond to requests you won't be seeing any insane improvements.

The quad core Phenom CPU is worthwhile to overclock because the architecture is not as efficient as Intel's offerings, so speed is necessary to stay on par. Upping the CPU even by a few hundred MHz does actually make a sizeable difference in framerates when running games, and in other operations like the aforementioned encoding/encrypting. Of course, a pair of SSD's doesn't hurt either.

In my case, running an overclocked CPU is beneficial because of the two 4870's running in tandem requiring that much more CPU power to govern their activity. It rarely goes past 50 degrees on load, and idles at 32.
