

Re: AHH, Shouldn't we panic about the ASTEROID coming near Earth tomorrow??

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- *From:* "guskz@xxxxxxxxxxxx" <guskz@xxxxxxxxxxxx>
 - *Date:* 4 Jul 2006 06:42:29 -0700
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PD wrote:

guskz@xxxxxxxxxxxx wrote:

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guskz@xxxxxxxxxxxx wrote:

http://www.whatistheword.com/story/SciTech_895.html

They say there is nothing to fear since the Asteroid (1/2 mile wide) will be passing around NOON (Eastern time) at 1.1 the distance from Earth to the Moon on July 3....

.....call me CRAZY ***would*** we be WORRIED if it came at 0.1 distance (instead of 1.1) from the Earth??

But it won't.

The distance from Dallas, TX to El Paso, TX is 570 miles.
The distance from Dallas, TX to Lincoln, NE is 555 miles.

This does not mean that Lincoln NE is 15 miles from El Paso TX.

Do you see the connection?

They say the Asteroid is traveling at 8 moon distance per hour but either way, I presume the Moon which takes 1 month to orbit the Earth is probably on the opposite side of the Earth during the asteroid's trajectory....

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Either way, that's too close for my comfort!!! (especially when gravity vs velocity is involved)

Don't be concerned. You can consider it in comparison with the moon's effect on the earth, which does little but raise the oceans by a couple of feet (tides).

How about if the moon was to start to shake around instead of a constant slow orbit?

Now, if the asteroid passes on the opposite side of the Earth from the moon's orbit,

they never mention the moon's location and if it is on the opposite side....

it's effect on the moon would be comparatively 1/4th as big, if the asteroid were the same size as the moon. But it is not the same size as the moon. It appears to be at least a billion times smaller.

Asteroid = 1/2 mile wide (traveling ***100 times*** faster than the moon) moon = 2000 mile wide

Due to the Asteroid's high momentum both the moon or earth's gravity could but slightly deviate it's trajectory, the biggest danger would be if this high momentum would hit the moon.

and they say collision with Earth would send debris to Jupiter's Titan moon, therefore likewise a collision with the moon would send chunks to Earth if not the Moon itself.

So its effect on the moon would be a billion times smaller than the moon's effect on the earth, which ain't much.

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PD

Why you ask? Because that's the asteroids distance from the Moon, therefore it might hit the Moon (perhaps due to it's gravity)?!?!?

And then there might be THREE dangers:

1. The moon's will be knocked off balance (2000 miles wide hit by 1/2 mile Asteroid) and it's gravity may affect Earth own balance?

2. What would prevent the Moon from not hitting the Earth (since the Moon's velocity direction (+ gravity pull) may be re-aimed towards the Earth after the impact?

3. One web link says ***if**** the Asteroid would hit the Earth, it could bring life to Saturn's moon Titan, because fragments of Earth rock would go all the way there:
http://www.whatistheword.com/story/SciTech_767.html

THAT'S NICE BUT LIKEWISE FRAGMENTS FROM THE MOON if it were hit by the Asteroid would then ALSO HIT EARTH????