Re: strange definition of temperature

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- *From*: Andy Resnick <andy.resnick@xxxxxxxxxx>
- *Date*: Tue, 11 Dec 2007 08:41:36 −0500

mrdarrett@xxxxxxxxx wrote:

> Voyager 2 finds solar system's shape is 'dented'
> http://www.reuters.com/article/scienceNews/idUSN1044867120071211
>
> "Voyager scientists had expected the temperatures within the termination shock to be about 1,000,000 degrees Fahrenheit (555,500 C) as material normally slows down and is heated up when it encounters an obstacle in a normal shock wave.
>
> But according to Edward Stone of California Institute of technology, the temperatures registered were much lower, at around 200,000 degrees F (111,100 C). Also, Voyager 1 made only one crossing into the termination shock while Voyager 2 has made at least five shock crossings over several days which allowed them to collect more data."
>
> Methinks the Voyager spacecraft will start to disintegrate at around 2000 degrees C... eh?

I think you are confusing different concepts: temperature, heat capacity, thermal flux.

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