

# Re: Light Speed Test versus Special Relativity

**Source:** <http://sci.tech-archive.net/Archive/sci.astro/2005-03/2960.html>

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**From:** OG ([owen\\_at\\_gwynnefamily.org.uk](mailto:owen_at_gwynnefamily.org.uk))

**Date:** 03/23/05

Date: Wed, 23 Mar 2005 01:31:33 -0000

"Stan Byers" <[sbyers11@comcast.net](mailto:sbyers11@comcast.net)> wrote in message  
news:DYKdnVNi2Jg7zqHfRVn-3A@comcast.com...

>

> *Gentlemen of physical science.*

>

> *This notice is posted with a request for reviews. All comments,  
corrections*

> *and alternate views are welcome. Reviews may be posted on this group  
or*

> *emailed. Reviews will not be posted on the web site or news groups  
without*

> *the reviewing author's prior permission. The links for the graphs are  
> listed below and the graphs are currently available on the website.*

>

> *Io's period change graphs via Excel spreadsheet.*

>

> *Earth retreating from Jupiter*

> <http://home.netcom.com/~sbyers11/IoAppro.gif>

>

> *Earth approaching Jupiter*

> <http://home.netcom.com/~sbyers11/IoEcipChange4.gif>

>

> *This entire article is available on the website. Newsgroup readers may  
> review the*

> *complete article at the link*

>

> [http://home.netcom.com/~sbyers11/litespd\\_vs\\_sr.htm](http://home.netcom.com/~sbyers11/litespd_vs_sr.htm)

>

> *Shortly after the reviews have been received this content will be  
> incorporated with the other pages on the site.*

> *Citations or links to arguments correcting or refuting this  
> interpretation of Roemer's data will be appreciated.*

> *A link or quote of rational arguments will be added to the web page.*

Your site includes the following key paragraph

QUOTE

If the speed of the train of light and events from Jupiter was not

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reduced in relation to the retreating Earth, succeeding observations of eclipse events would remain in synchronism with the observations of the near point. How could a station 2.6549 million miles further from Jupiter observe an eclipse event at the same time that it is observed at the near point  
END QUOTE

That is a pretty big IF. . .

Please explain precisely WHY successive observations would remain in synch if speed of light was not reduced.

They would move out of synch simply because of the increased distance.

It is, of course, no coincidence that the change in eclipse period is proportional to the relative speed of the Earth and Jupiter, since the relative speed times 152,916seconds gives the increase in distance.