

## Re: Will Solar Eclipses Occur on 8 April 2005 and 3 November 2005?

**Source:** <http://sci.tech-archive.net/Archive/sci.physics.research/2005-03/0153.html>

---

**From:** Phil Hobbs ([pcdh\\_at\\_SpamMeSenseless.us.ibm.com](mailto:pcdh_at_SpamMeSenseless.us.ibm.com))

**Date:** 03/06/05

Date: Sun, 6 Mar 2005 07:51:56 +0000 (UTC)

robert bristow-johnson wrote:

- > *how does an annular eclipse only last for 33 seconds. i s'pose there is*
- > *only one instant of time when the moon is perfectly smack-dab in front of*
- > *the sun (if it is at all), but if you allow any slop in the definition of*
- > *the elapsed time of the eclipse, isn't it longer than that?*
- >
- > *when i lived in Hanover NH in 1993 and 94, in one of those years (i think it*
- > *was 94), i saw a total annular eclipse (i wish it was a total-TOTAL eclipse*
- > *of the sun) and it lasted for longer than that as i recall.*
- >

If the sun and moon have exactly the same angular size, the moon will exactly cover the sun, and the eclipse duration will be zero seconds. It gets longer on either side.

Cheers,

Phil Hobbs