

Re: Supernova 2005cs in M51

Source: <http://sci.tech-archive.net/Archive/sci.astro.amateur/2005-07/msg00293.html>

- *From:* TheOvavas <oriel@xxxxxxx>
 - *Date:* Mon, 04 Jul 2005 03:29:05 -0500
-

nice object to find ... easy.. one of the best.

Stupendous_Man wrote:

- > German astronomer Wolfgang Kloehr has reported a
- > supernova in M51, based on images taken in the
- > past week (June 22-28, 2005). The object appears
- > roughly 15 arcseconds west and 67 arcseconds
- > south of the nucleus. Several other observers
- > have confirmed that an object appears at this
- > position but not on standard charts.
- >
- > This will likely be one of the brightest
- > supernovae of the decade. The last time a
- > supernovae occurred in M51 was in 1994;
- > that event, SN 1994I, reached a peak V-band
- > magnitude of 12.9. If the new supernova
- > is a type Ia explosion, rather than a type
- > Ic event like SN 1994I, it might become a
- > magnitude or so brighter.
- >
- > Back in 1994, I asked amateur astronomers
- > for any images of M51 taken just before the
- > supernova was discovered. Several observers
- > provided pre-discovery images which gave us
- > the earliest measurements of supernova's
- > brightness -- which, in turn, are very
- > valuable in understanding the evolution
- > of supernovae. A paper describing some of
- > these early measurements by amateurs was
- > published in the "Astronomical Journal",
- > volume 111, p. 327 (1996). You can find a copy
- > at
- >
- > http://stupendous.rit.edu/richmond/94i_preprint.ps
- >
- > Let me ask the community once again to check
- > for any images you might have taken of M51

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- > between June 15 and June 30, 2005. If you
- > make a copy of such images available to me,
- > I would be happy to check them over for the
- > presence of the supernova, and do my best to
- > measure its brightness. I'll even try to
- > convert the data onto one of the standard
- > magnitude scales so that it might be
- > incorporated into a proper study. If you
- > are interested, please contact me at
- > mwrsp@xxxxxx and
- > include as much information about your
- > image(s) as you can: time, date, instrument,
- > filters, exposure times, limiting
- > magnitude, FWHM, etc.
- >
- > And, of course, please watch this event
- > as it unfolds over the next few months!
- >
- > Michael Richmond

• *Follow-Ups:*

- ◆ *Re: Supernova 2005cs in M51*

◇ *From:* Robert Sheaffer

- Prev by Date: *Re: Anyone check out the Celestron CPC scopes yet?*
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