

**PSN J14021678+5426205 IN THE GALAXY M 101 AS A MERGER EVENT
IN A MASSIVE BINARY SYSTEM**

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Errata: Corrected Tables 2 and 4.

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Table 1. Corrected Table 2: Pre-discovery observations of the LRN/M101

Date	JD 24...	<i>B</i>	<i>V</i>	<i>R</i>	Source
1993.04.15	49093	-	22.0	-	POSS II, Kodak IIIaJ
2003.03.07-10	52707	21.6	21.2	20.90	SDSS, ATel 7082 ¹⁾
2011.11.25	55891	20.95	20.95	21.03	R. Pecce, Flickr.com
2012.03.20	56007	21.74	21.47	21.13	D. Hartmann, Astrobin ²⁾
2012.02.14-27	56009	21.34	21.06	20.63	T. Hancock, RGB images ³⁾
2012.05.10	56058	21.12	21.35	21.30	O. Bryzgalov, Flickr.com
2012.05.26	56074	21.55	21.27	21.20	O. Bryzgalov, Flickr.com
2012.01-06	56109	21.30	20.97	20.69	ATel 7069, LBT
2013.02.01	56324	-	-	20.60	ATel 7070, PTF
2013.04	56360	20.48	20.50	20.36	Z. Orbanic, Flickr.com ⁴⁾
2013.03-05	56398	20.6	20.4	20.40	R. Pfile, Flickr.com
2013.06.11	56455	20.95	20.73	20.30	S. Furlong, Flickr.com
2013.06.29	56473	21.0	20.5	20.9	C. Frenzi, Flickr.com
2014.06-07	56839	20.02	19.78	19.59	ATel 7069, LBT
2014.11.10	56971	-	-	16.36	ATel 7070, PTF
2014.11.13	56975	-	16.40	-	K. Itagaki, CBAT ⁵⁾
2015.01.19	57042	20.20	18.80	18.23	ATel 7069, LBT
2015.01.20	57043	-	18.50	-	K. Itagaki, CBAT ⁵⁾
2015.02.10	57064.4	-	17.50	-	C. D. Vintdevara, discovery

¹⁾ SDSS-values in the *ugriz* (Vega) system recounted to the *BVR_C* system.

²⁾ <http://www.astrobin.com/users/DetlefHartmann/>

³⁾ 25-cm Ritchey-Chretien astrograph + the CCD QHY9M Monochrome (Kodak KAF 8300 chip), 24-hour exposure.

⁴⁾ Uploaded on June 30, 2014. The approximate time of imaging, April 2013, can be determined from the brightness of SN 2011fe.

⁵⁾ <http://www.cbat.eps.harvard.edu/unconf/followups/J14021678+5426205.html>

Table 2. Corrected Table 4: Spectra of the LRN in M 101 obtained with the BTA/SCORPIO

Date	JD hel.24...	ϵ , s	λ , Å	R, Å	Grism	Δv_r , km/s	S/N
2015.02.24	57078.4531	2400	4052 – 5848	5.0	VPHG1200G	+5.0	180
2015.02.24	57078.5829	2751	5751 – 7498	5.0	VPHG1200R	+4.9	50
2015.06.11	57185.3412	3600	4000 – 7919	14	VPHG500G	-14.9	12