

VARIABLE STAR BULLETIN

No. 22

Sep 1996

CCD Observation of nova Sgr 1994 no.2.

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Nova Sgr 1994 no.2 was discovered by Y. Sakurai on May 20 1994 (IAUC5993).

The observations were carried out relative to the nearby comparison (GSC6270:1958, position: R.A. 18h30m51.89s Decl. $-17^{\circ} 15'35.0''$ 2000.0 mag:8.73) using 0.1m refractor and SBIG ST-6 CCD camera. The Johnson V filter obtained from Optec Inc. was used. Magnitudes have not been corrected for extinction and color but were very close to Johnson V. The data were reduced by MIRA 3.0a software (AXIOM Research) on i486 based PC.

U.T.	delta V*1	S.D.*2	N*3	U.T.	delta V*1	S.D.*2	N*3		
1994 Jun.	14.753	0.45	0.04	3	1994 Jun.	16.701	-0.15	0.14	5
1994 Jul.	4.663	1.27	0.12	3	1994 Jul.	25.483	1.15	0.13	3
1994 Jul.	28.472	1.15	0.07	3	1994 Aug.	9.465	-0.17	0.10	5
1994 Aug.	10.521	0.04	0.06	5	1994 Aug.	11.490	0.68	0.04	4
1994 Aug.	12.576	0.67	0.05	5	1994 Aug.	14.513	-0.11	0.07	5
1994 Aug.	16.486	0.17	0.07	5	1994 Aug.	17.500	0.84	0.05	4
1994 Aug.	18.493	1.13	0.01	4	1994 Aug.	22.576	0.69	0.07	5
1994 Aug.	23.458	0.35	0.08	4	1994 Aug.	24.507	1.00	0.05	3
1994 Sep.	3.486	0.33	0.12	3	1994 Sep.	4.756	0.53	0.07	3
1994 Sep.	25.417	1.63	0.09	2	1994 Sep.	30.427	1.48	0.02	4
1994 Oct.	12.399	1.82	0.04	2					

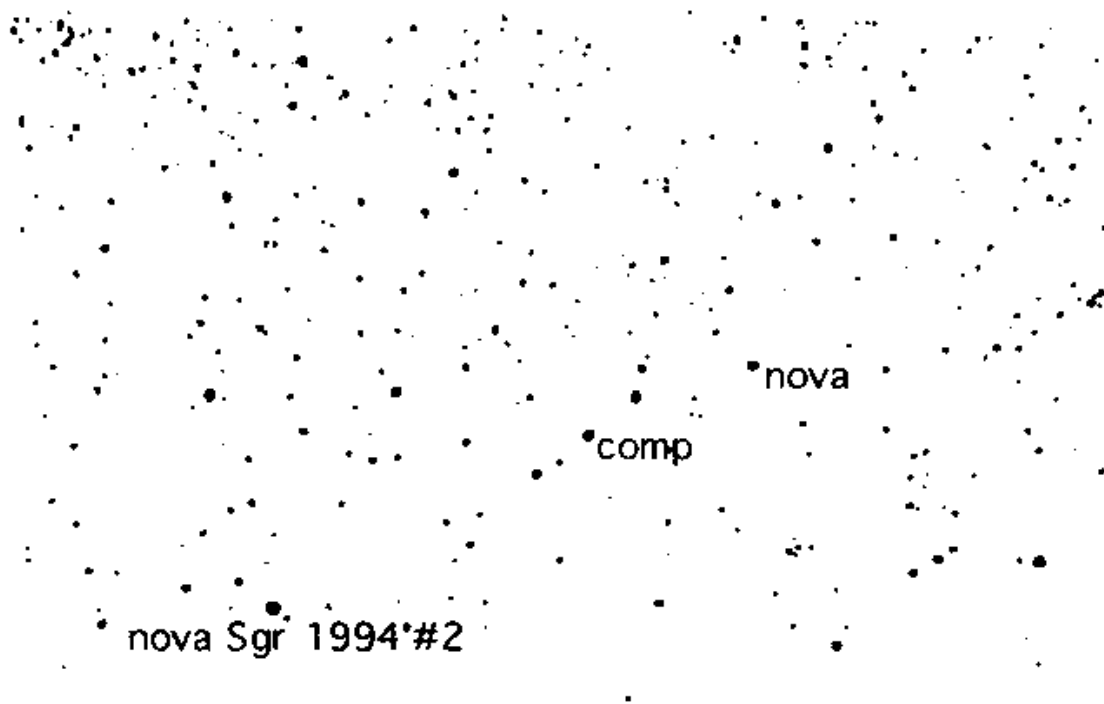
(*1) nova-comp.

(*2) Standard deviation

(*3) Number of frames. Exposure time was 30-60 sec. each frame.

Reference

Hirosawa K. 1994 IAUC no.5993



CCD Observation of nova Aql 1995.

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Nova Aql 1995 was discovered by K. Takamizawa on Feb 7 1995 (IAUC 6133).

The observations were carried out with SBIG ST-6 equipped to 0.1m refractor (Feb. 10 to Apr. 26) and 0.25m reflector (Apr. 28 to Nov. 17). The Johnson V filter obtained from Optec Inc. was used. Magnitudes have not been corrected for extinction and color but were close to Johnson V. Comparison stars were 6.25V (R.A. 19h05m18.6s Decl. -01 ° 30'45", 2000.0) and 11.12V(R.A. 19h05m10.87s Decl. -01 ° 36'40.5", 2000.0) (B. Skiff, Vsnet) . The data were reduced by CCDOPS software (SBIG) on i486 based PC.

U.T.	V	S.D.	*1	N*2	U.T.	V	S.D.	*1	N*2
1995 Feb. 10.847	8.76	0.01	3		1995 Feb. 16.840	9.21	0.15	3	
1995 Feb. 17.833	9.35	0.05	4		1995 Feb. 19.830	9.46	0.07	3	
1995 Feb. 20.819	9.53	0.04	3		1995 Feb. 21.833	9.46	0.01	4	
1995 Feb. 22.813	9.61	0.04	3		1995 Mar. 1.811	10.02	0.03	3	
1995 Mar. 7.792	9.95	0.03	2		1995 Mar. 8.802	10.16	0.04	3	
1995 Apr. 3.784	10.67	0.03	3		1995 Apr. 5.747	10.69	0.03	4	
1995 Apr. 7.736	10.77	0.13	4		1995 Apr. 12.795	10.99	0.03	3	
1995 Apr. 26.712	11.37	0.01	4		1995 Apr. 28.736	11.47	0.01	2	

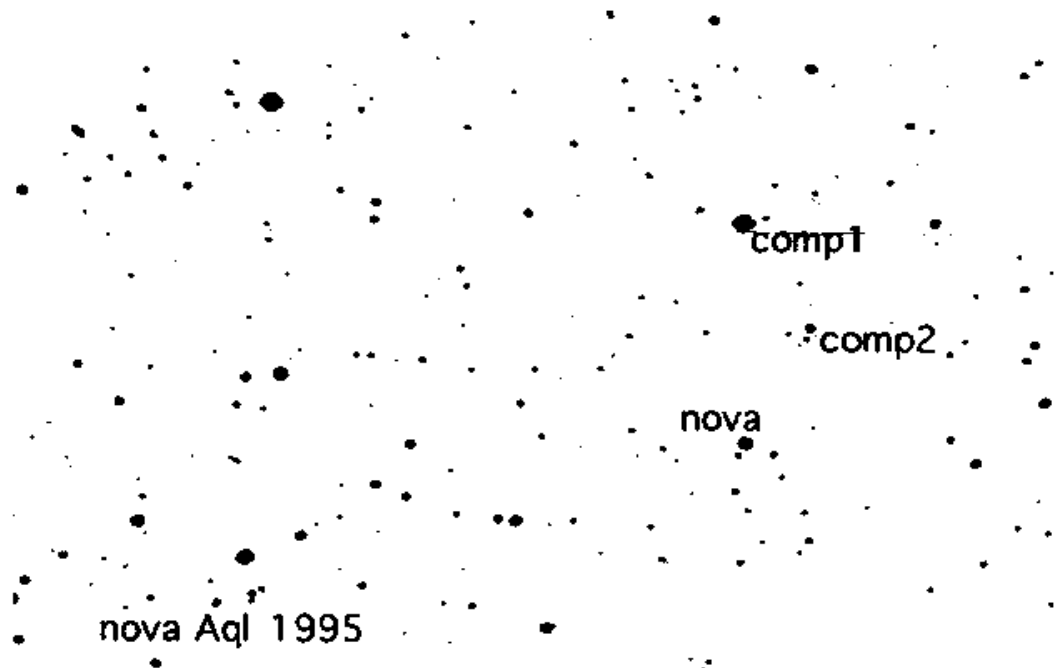
1995 May.	22.688	11.71	0.05	3	1995 May.	23.694	11.74	0.05	3
1995 Jun.	7.625	11.96	0.04	4	1995 Jul.	24.645	12.49	0.14	4
1995 Jul.	27.611	12.60	0.04	4	1995 Aug.	13.535	12.40	0.06	3
1995 Aug.	14.514	12.45	0.02	3	1995 Aug.	24.507	12.79	0.03	3
1995 Aug.	27.479	12.87	0.03	3	1995 Sep.	20.493	12.90	0.06	3
1995 Oct.	13.454	12.99	0.04	3	1995 Oct.	17.424	13.01	0.04	3
1995 Oct.	25.448	13.18	0.06	3	1995 Nov.	17.375	13.18	0.18	3

(*1) Standard deviation

(*2) Number of frames. Exposure time was 30-120 sec. each frame.

Reference

Nakano S. 1995 IAUC no.6133



CCD Observations of symbiotic nova discovered by M. Wakuda during 1994-1995.

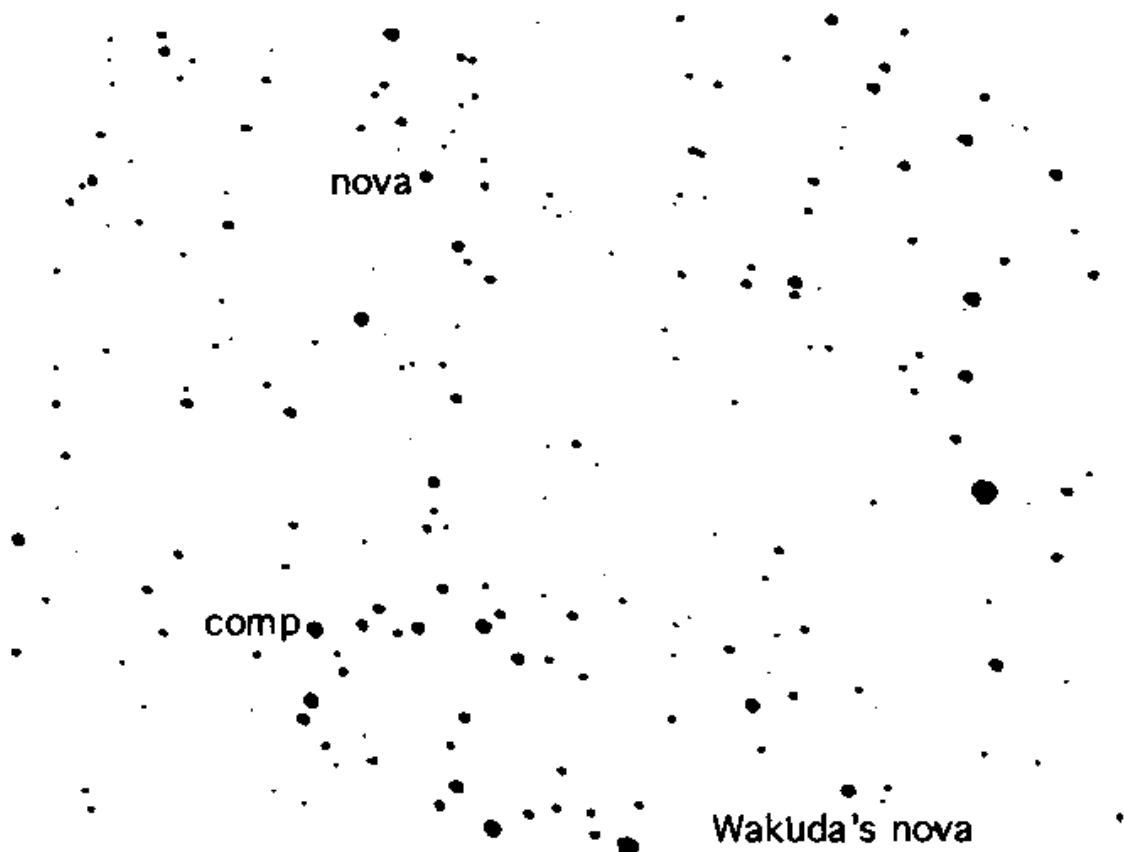
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M. Wakuda discovered symbiotic nova on Mar 14, 1994(Wakuda et al., 1994). I observed this symbiotic nova during 1994-1995.

The observations were carried out with SBIG ST-6 equipped to 0.1m refractor (Apr. 03, 1994 to Apr. 03, 1995) and 0.25m reflector (Apr. 28, 1995 to Sep. 20, 1995). The Johnson V filter obtained from Optec Inc. was used. Magnitudes have not been corrected for extinction and color but were close to Johnson V. Comparison stars was 9.24V (R.A. 18h54m41.32s



Decl. $-19^{\circ} 51'48.9''$, 2000.0)(B. Skiff, Vsnet) . The data were reduced by CCDOPS software (SBIG) on i486 based PC.

This star was gradually brightening during observing period.

U.T.		V	S.D.*1	N*2	U.T.		V	S.D.*1	N*2		
1994	Apr.	3.750	10.82	0.09	4	1994	Apr.	14.774	10.57	0.03	3
1994	May.	8.791	10.40	0.05	3	1994	May.	24.791	10.36	0.13	4
1994	Jun.	14.753	10.52	0.05	3	1994	Jun.	16.753	10.49	0.05	3
1994	Jul.	3.677	10.40	0.07	3	1994	Jul.	25.497	10.40	0.04	4
1994	Jul.	28.566	10.38	0.02	3	1994	Aug.	9.941	10.33	0.02	4
1994	Aug.	14.542	10.38	0.02	5	1994	Aug.	23.497	10.52	0.05	3
1994	Sep.	10.514	10.46	0.03	3	1994	Sep.	30.465	10.45	0.03	3
1994	Nov.	9.740	10.47	0.01	2	1995	Feb.	20.847	10.33	0.03	4
1995	Apr.	3.813	10.26	0.02	3	1995	Apr.	28.778	10.18	0.01	3
1995	May.	22.701	10.28	0.01	5	1995	Jun.	7.674	10.21	0.01	4
1995	Jul.	27.587	10.33	0.01	5	1995	Aug.	13.524	10.21	0.02	4
1995	Aug.	27.503	10.12	0.02	4	1995	Sep.	20.42	10.23	0.02	5

(*1) Standard deviation

(*2) Number of frames. Exposure time was 60 sec. each frame.

Reference

Wakuda M. 1994 Variable Star Bulletin, no.19

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