

COMMISSION 27 OF THE I. A. U.
 INFORMATION BULLETIN ON VARIABLE STARS

Number 2611

Konkoly Observatory
 Budapest
 22 October 1984
 HU ISSN 0374 - 0676

PHOTOGRAPHIC OBSERVATIONS OF NOVA Her 1963 (=V 533 HERCULIS)

Nova Her 1963 (=V 533 Her) was observed with the 40 cm $f/5$ four-lense double astrograph of Beijing Observatory using blue plates (Eastman Kodak 103a 0) during the 1980 June 5 - 1982 August 25 interval. The results are given in Table I. The magnitudes were measured with an iris photometer and calibrated by the selected area SA 38.

Table I

J.D.hel. (2 444 000 +)	m_{pg}	J.D.hel. (2'444 000 +)	m_{pg}
396.1049	15. ^m 42	493.0743	14.66
398.2812	15.16	493.0819	14.65
399.1285	15.36	493.0896	14.63
425.1924	14.58	495.0250	14.59
470.1486	14.81	496.0382	14.69
485.0694	14.65	498.0451	14.54
487.0069	14.54	498.0528	14.52
491.0528	14.51	498.0618	14.56
491.0604	14.56	498.0694	14.52
491.0680	14.51	498.0770	14.64
491.0757	14.68	498.0847	14.67
491.0833	14.76	498.0924	14.64
491.0910	14.69	498.1000	14.52
491.1132	14.62	498.1097	14.60
493.0153	14.59	498.1174	14.60
493.0285	14.73	499.1319	14.65
493.0361	14.72	500.1208	14.65
493.0438	14.73	825.2500	14.30
493.0514	14.65	1167.2562	14.27
493.0590	14.69	1194.1521	14.28
493.0667	14.65	1208.0840	14.22

The observational results are as follows:

1. During the observations the nova reached its prenova magnitude value (as before 1940) $m_{pg} \approx 15$ mag.
2. The star has a long-term brightness variation with an amplitude of more than a magnitude.

3. Short-term variations ($\Delta m \approx 0.2^m$) are also present during one night that may be caused by eclipses.

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