

Red Variable Stars found in the NSVS Database

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Data from the Two Micron All Sky Survey was used to generate positional information for stars where the (red magnitude – J magnitude) > 6 and where (J magnitude – K magnitude) > 1.2.

The publicly available data from the Northern Sky Variability Survey (NSVS, Wozniak et al., 2004) was then examined for stars meeting these two criteria that were not listed in the “Combined General Catalogue of Variable Stars (Samus+ 2004)”, or in the “Suspected Variable stars and Supplement”, or in “Red Variables in the NSVS (Williams+, 2004)” or identified as variable in Simbad.

The first batch of 75 stars checked in this matter yielded 25 previously unreported variable stars with a minimum amplitude of 0.25 magnitudes :-

Identity	Location	Amplitude	Period	Type	NSVS	Sinbad
USNO A-2.0 1500-00471265	00 26 20.767 +64 02 13.76	0.25	n/a	IB	Data	Data
GSC 4027:0040	00 34 09.14 +66 02 55.5	0.28	n/a	IB	Data	Data
GSC 4299:1952	00 38 54.80 +69 51 36.8	0.32	n/a	IB	Data	Data
GSC 4296:0848	01 02 49.75 +68 01 18.9	0.30	n/a	IB	Data	Data
GSC 3669:0230	01 08 44.67 +54 06 18.4	0.29	n/a	IB	Data	Data
GSC 3678:1834	01 31 28.00 +57 20 34.8	0.60	n/a	IB	Data	Data
GSC 4041:0983	02 03 34.90 +64 11 47.6	0.31	n/a	IB	Data	Data
GSC 4041:0089	02 12 35.22 +65 31 10.5	0.42	n/a	IB	Data	Data
GSC 4046:1252	02 24 35.07 +61 05 35.3	0.25	55d	SR	Data	Data
GSC 3336:1345	04 09 25.46 +50 24 01.4	0.36	n/a	IB	Data	Data
GSC 4336:2265	04 22 56.69 +71 18 50.0	0.47	n/a	IB	Data	Data
GSC 2906:2764	04 58 53.23 +43 20 08.8	0.31	35d	SR	Data	Data
USNO A-2.0 1200-03895423	05 50 37.130 +31 42 41.44	0.62	n/a	IB	Data	Data
GSC 2427:0919	06 01 14.37 +35 00 38.4	0.28	90d	SR	Data	Data
USNO A-2.0 1200-10027157	18 54 05.995 +31 20 50.59	0.71	150d	SR	Data	Data
TYC 3546-1494-1	19 11 42.808 +47 45 27.20	0.88	120d	SR	Data	Data
GSC 3121:1970	19 15 52.48 +39 18 58.3	0.40	n/a	IB	Data	Data
USNO A-2.0 1200-13937105	19 57 20.452 +31 53 37.42	0.29	80d	SR	Data	Data
USNO A-2.0 1200-14251701	20 02 24.454 +35 48 40.76	0.49	n/a	IB	Data	Data *
GSC 2691:2873	20 48 22.85 +32 40 57.5	0.48	75d	SR	Data	Data
GSC 4253:1398	21 34 34.80 +62 14 47.1	0.34	n/a	IR	Data	Data
TYC 2723-1647-1	21 58 43.915 +32 31 17.60	0.25	n/a	IR	Data	Data
USNO A-2.0 1500-09326326	22 48 28.005 +61 34 22.93	0.27	n/a	IB	Data	Data
GSC 4287:0937	23 23 00.59 +65 18 33.1	0.35	95d	SR	Data	Data
GSC 2767:1716	23 46 17.74 +30 24 47.0	0.40	n/a	IB	Data	Data

Some I band data appears for this star in the HATNET variability survey (Hartman+, 2004)

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