

**Field Photometry for U GEM From the AAVSO Variable Star Database**Data includes all comparison stars within 0.16667° of RA: [7:55:05.21 \(118.77171\)](#) & Decl.: [22:00:04.79 \(22.00133\)](#).

AUID	RA.	Dec.	Label	U	B	V	Rc	Ic	J	H	K	Comments
000-BBN-875	7:54:37.58 [118.65659d]	21:50:21.1 [21.83919d]	<b>109</b>	-	12.218 (0.267) <sup>1</sup>	10.947 (0.081) <sup>16</sup>	-	9.810 (0.131) <sup>16</sup>	9.065 (0.029) <sup>8</sup>	8.539 (0.023) <sup>8</sup>	8.424 (0.019) <sup>8</sup>	
000-BBN-886	7:55:07.14 [118.77975d]	22:05:14.1 [22.08725d]	<b>114</b>	-	11.904 (0.009) <sup>10</sup>	11.414 (0.006) <sup>10</sup>	-	10.803 (0.077) <sup>16</sup>	10.570 (0.000) <sup>8</sup>	10.322 (0.042) <sup>8</sup>	10.266 (0.021) <sup>8</sup>	
000-BBN-890	7:55:12.45 [118.80187d]	21:56:00.9 [21.93358d]	<b>116</b>	-	12.085 (0.016) <sup>10</sup>	11.600 (0.013) <sup>10</sup>	-	10.953 (0.101) <sup>16</sup>	10.668 (0.020) <sup>8</sup>	10.443 (0.021) <sup>8</sup>	10.336 (0.015) <sup>8</sup>	
000-BBN-889	7:55:12.09 [118.80038d]	22:03:52.9 [22.06469d]	<b>119</b>	-	13.501 (0.054) <sup>10</sup>	11.889 (0.051) <sup>10</sup>	-	8.158 (0.284) <sup>16</sup>	6.395 (0.015) <sup>8</sup>	5.518 (0.029) <sup>8</sup>	5.161 (0.033) <sup>8</sup>	
000-BBN-895	7:55:23.41 [118.84754d]	21:59:57.2 [21.99922d]	<b>120</b>	-	12.467 (0.011) <sup>10</sup>	11.980 (0.008) <sup>10</sup>	-	11.453 (0.094) <sup>16</sup>	11.037 (0.018) <sup>8</sup>	10.813 (0.019) <sup>8</sup>	10.715 (0.015) <sup>8</sup>	
000-BBN-894	7:55:22.00 [118.84167d]	21:52:54.2 [21.88172d]	<b>126</b>	-	-	12.611 (0.149) <sup>16</sup>	-	11.525 (0.228) <sup>16</sup>	10.817 (0.017) <sup>8</sup>	10.276 (0.019) <sup>8</sup>	10.186 (0.018) <sup>8</sup>	
000-BBN-888	7:55:11.47 [118.79779d]	21:58:02.9 [21.96747d]	<b>131</b>	13.673 (0.053) <sup>21</sup>	13.832 (0.008) <sup>10</sup>	13.096 (0.006) <sup>10</sup>	12.683 (0.031) <sup>21</sup>	12.296 (0.033) <sup>21</sup>	11.791 (0.022) <sup>8</sup>	11.449 (0.021) <sup>8</sup>	11.379 (0.016) <sup>8</sup>	
000-BBN-882	7:55:04.61 [118.76921d]	22:01:53.1 [22.03142d]	<b>139</b>	14.448 (0.055) <sup>21</sup>	14.404 (0.006) <sup>10</sup>	13.892 (0.005) <sup>10</sup>	14.330 (1.345) <sup>21</sup>	14.724 (1.902) <sup>21</sup>	12.895 (0.024) <sup>8</sup>	12.670 (0.029) <sup>8</sup>	12.592 (0.031) <sup>8</sup>	
000-BBN-897	7:55:24.08 [118.85033d]	21:58:39.8 [21.97772d]	<b>141</b>	14.772 (0.054) <sup>21</sup>	14.690 (0.014) <sup>10</sup>	14.134 (0.014) <sup>10</sup>	14.156 (0.033) <sup>21</sup>	14.168 (0.034) <sup>21</sup>	13.055 (0.018) <sup>8</sup>	12.772 (0.026) <sup>8</sup>	12.682 (0.021) <sup>8</sup>	
000-BBN-883	7:55:04.74 [118.76975d]	21:56:34.6 [21.94294d]	<b>143</b>	15.521 (0.054) <sup>21</sup>	15.147 (0.016) <sup>10</sup>	14.309 (0.011) <sup>10</sup>	13.883 (0.034) <sup>21</sup>	13.484 (0.037) <sup>21</sup>	12.654 (0.018) <sup>8</sup>	12.227 (0.022) <sup>8</sup>	12.096 (0.024) <sup>8</sup>	
000-BBN-885	7:55:07.11 [118.77962d]	21:59:19.4 [21.98872d]	<b>147</b>	15.604 (0.058) <sup>21</sup>	15.421 (0.018) <sup>10</sup>	14.708 (0.010) <sup>10</sup>	17.663 (0.041) <sup>21</sup>	20.366 (0.050) <sup>21</sup>	13.389 (0.022) <sup>8</sup>	12.970 (0.019) <sup>8</sup>	12.921 (0.028) <sup>8</sup>	
000-BBN-893	7:55:21.57 [118.83987d]	22:02:12 [22.03667d]	<b>150</b>	15.918 (0.058) <sup>21</sup>	15.669 (0.017) <sup>10</sup>	15.032 (0.000) <sup>10</sup>	14.677 (0.034) <sup>21</sup>	14.343 (0.039) <sup>21</sup>	13.863 (0.024) <sup>8</sup>	13.576 (0.030) <sup>8</sup>	13.538 (0.032) <sup>8</sup>	
000-BBN-891	7:55:15.91 [118.81629d]	22:01:21.8 [22.02272d]	<b>155</b>	16.097 (0.058) <sup>21</sup>	16.061 (0.019) <sup>10</sup>	15.507 (0.019) <sup>10</sup>	15.172 (0.039) <sup>21</sup>	14.857 (0.043) <sup>21</sup>	14.420 (0.033) <sup>8</sup>	14.114 (0.035) <sup>8</sup>	14.051 (0.051) <sup>8</sup>	

Report this sequence as: **4319bupk** in the *chart* field of your observation report.

- **AUID** is the AAVSO Unique Identifier for the star. When reporting a problem, please include this AUID.
- Coordinates are in J2000 sexagesimal format, followed by decimal degrees
- [Click here for a search of variable stars in this field](#) via VSX
- **Label** is that star's label when plotted on an AAVSO chart, this is usually (but not always) its V magnitude rounded to the tenths.

**Source Reference Table**

Footnote	Source	Footnote	Source	Footnote	Source
1	Tycho-2	12	Hipparcos	23	B. Skiff's LONEOS
2	GSC 1.2	13	Draper, Draper Ext.	24	WBVR
3	GSC 2.2.1	14	NSV	25	DENIS
4	USNO A2	15	AAVSO Charts from <2006	26	CMC14
5	USNO B1	16	TASS	27	RR Lyr Comp Star Database
6	GCVS	17	ASAS3	28	Bright Star Monitor
7	USNO Astrograph	18	Sonoita Research Obs.	29	APASS
8	2MASS	19	Other	30	Wright 28cm
9	AAVSO Charts from ~2006-2008	20	GCPD	31	Wright 30cm
10	Henden USNO 1m	21	SDSS	32	Mt. John 60cm
11	CVCAT	22	BSC		