

**Table A2.**  $u'g'r'i'z'$  magnitudes of the local sequence of stars used for the calibration.

Star	$\alpha_{2000}$	$\delta_{2000}$	$u'$ (mag)	$g'$ (mag)	$r'$ (mag)	$i'$ (mag)	$z'$ (mag)
1	04:17:07.209	-62:46:13.44		18.525 (0.099)	17.284 (0.034)	16.310 (0.020)	15.865 (0.064)
2	04:17:05.345	-62:45:39.15		16.216 (0.020)	15.468 (0.023)	15.215 (0.021)	15.097 (0.035)
3	04:17:28.126	-62:45:47.45		18.104 (0.047)	17.296 (0.032)	17.002 (0.026)	16.878 (0.046)
4	04:17:38.715	-62:45:32.07		17.831 (0.072)	16.604 (0.034)	15.942 (0.033)	15.611 (0.059)
5	04:17:04.664	-62:45:52.59		16.729 (0.021)	16.308 (0.023)	16.163 (0.018)	16.129 (0.027)
6	04:18:02.142	-62:45:30.44		17.142 (0.021)	16.338 (0.034)	16.019 (0.032)	15.868 (0.046)
7	04:18:01.888	-62:45:58.22		16.673 (0.057)	15.310 (0.019)	14.843 (0.026)	14.678 (0.026)
8	04:18:06.207	-62:45:57.24		18.008 (0.035)	17.701 (0.028)	17.574 (0.016)	17.590 (0.052)
9	04:18:02.508	-62:47:20.28		16.859 (0.036)	15.743 (0.031)	15.279 (0.034)	15.050 (0.046)
10	04:18:11.929	-62:48:49.89		16.145 (0.019)	15.140 (0.031)	14.740 (0.027)	14.557 (0.036)
11	04:18:06.386	-62:49:30.78		18.561 (0.042)	17.648 (0.038)	17.282 (0.034)	17.133 (0.041)
12	04:17:51.943	-62:50:34.43	14.689 (0.043)	13.326 (0.031)	12.906 (0.016)	12.761 (0.020)	12.730 (0.019)
13	04:17:40.451	-62:50:46.79	14.699 (0.052)	13.528 (0.033)	13.216 (0.007)	13.124 (0.017)	13.122 (0.021)
14	04:17:29.532	-62:50:08.59	16.514 (0.039)	15.235 (0.019)	14.822 (0.004)	14.683 (0.018)	14.645 (0.020)
15	04:17:32.022	-62:49:05.93		17.958 (0.062)	17.376 (0.017)	17.134 (0.020)	17.065 (0.043)
16	04:17:06.264	-62:48:48.01		18.097 (0.074)	16.516 (0.040)	15.947 (0.017)	15.719 (0.016)
17	04:17:07.593	-62:47:35.37		17.825 (0.056)	17.143 (0.024)	16.902 (0.010)	16.797 (0.033)
18	04:17:05.610	-62:47:15.30		18.508 (0.052)	18.070 (0.032)	17.925 (0.037)	17.905 (0.054)