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PHOTOELECTRIC OBSERVATIONS OF THE T Tau TYPE VARIABLE BZ Sgr

BZ Sgr was included in our program of photoelectric observations of Cepheids because it was listed in GCVS–IV as a possible type II Cepheid. Recently it was found that this star was a T Tau type variable (Gregorio–Hetem et al., 1992).

Table	1
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JD hel	\overline{V}	U-B	B-V	$(V-R)_c$	$(R-I)_c$
2400000+					
49521.9180	12.416	_	0.813	_	_
49522.8532	11.454	_	0.765	_	_
49522.8589	12.129	_	1.113	_	_
49534.8826	11.228	_	0.922	0.717	0.710
49536.7958	11.389	-0.214	0.978	0.576	0.704
49543.8489	11.415	-0.096	0.978	0.708	0.741
49545.7986	11.420	-0.325	0.946	0.729	0.694
49558.8643	11.433	-0.335	0.956	0.719	0.745
49559.8604	11.370	_	1.035	_	_
49561.8530	11.927	_	1.045	0.773	0.798
49564.8471	10.731	_	0.736	0.616	0.656
49624.1843	12.336	_	1.242	0.895	_
49625.1853	11.502	_	1.050	0.767	_
49631.1532	12.924	_	1.300	0.974	_
49632.1654	12.087	_	1.259	0.838	_
49633.1678	11.956	_	1.251	0.819	_
49634.1601	12.193	_	1.255	0.876	_
49809.8911	12.219	_	1.239	0.794	0.834
49810.8859	12.509	_	1.276	0.895	0.809
49811.8923	11.507	_	0.969	0.711	0.757
49813.8810	11.748	_	1.078	0.771	0.795
49814.8712	11.896	_	0.945	0.713	0.758
49817.8844	13.020	_	1.129	0.975	0.953
49818.8754	12.400	_	1.054	0.820	0.853
49821.8861	12.226	_	1.097	0.854	0.833
49822.8847	12.195	_	1.149	0.855	0.861
49823.8723	12.603	_	1.086	0.893	0.958
49825.8869	11.756		1.036	0.762	0.768

Our photoelectric $UBV(RI)_c$ measurements were carried out at CTIO. Las Campanas and Mt. Maidanak observatories from June 1994 to March 1995. Everywhere 60–cm reflectors were used, and 28 observations were obtained. These observations are listed in Table 1. The accuracy of the individual data is near 0.01 mag in all filters.

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Reference:

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