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OBSERVATIONS OF RZ CAS AND SU CAS

Yellow photoelectric observations were made in 1967-1968 of the eclipsing binary, RZ Cas, and of the classical cepheid, SU Cas. Heliocentric light epochs were determined:

Primary minimum light, RZ Cas 2,439,877.514
 Maximum light, SU Cas 2,439,844.740

The 174 observations of RZ Cas satisfactorily cover the cycle and will be subjected to an orbital analysis. Standardization of the 100 observations of SU Cas has been completed and will be published elsewhere.

RZ CASSIOPEIAE

J.D.hel.	v-c	Phase	J.D.hel.	v-c	Phase
24398..			.6183	-1.129	.6866
23.6030	-1.114	.1049	.6263	-1.078	.6933
.6317	-1.090	.1290	.6326	-1.066	.6985
.6571	-0.986	.1502	.6433	-1.081	.7076
.6786	-0.671	.1683	.6502	-1.079	.7133
37.5649	-1.108	.7857	.6620	-1.078	.7232
.5882	-1.124	.8052	.6718	-1.094	.7314
.6039	-1.145	.8182	.6790	-1.097	.7374
.6174	-1.134	.8295	.6872	-1.103	.7441
.6306	-1.156	.8405	.6968	-1.116	.7531
.6497	-1.123	.8525	44.7041	-1.120	.7583
.6632	-1.191	.8676	.7120	-1.120	.7650
.6778	-1.139	.8801	.7197	-1.132	.7715
42.5218	-1.080	.9327	.7367	-1.127	.7847
44.5246	-1.139	.6082	45.5179	-1.137	.4392
.5364	-1.151	.6180	.5273	-1.147	.4470
.5440	-1.139	.6245	.5339	-1.159	.4525
.5530	-1.137	.6320	.5474	-1.132	.4632
.5638	-1.155	.6410	51.5049	-1.152	.4480
.5718	-1.140	.6477	.5177	-1.150	.4597
.5833	-1.168	.6573	.5251	-1.134	.4648
.5922	-1.139	.6648	.5376	-1.145	.4753
.5999	-1.114	.6712	.5459	-1.154	.4823

J.D.hel.	v-c	Phase	J.D.hel.	v-c	Phase
51.5542	-1.162	.4893	77.5181	+0.402	.2109
.5643	-1.171	.4977	.5202	+0.399	.2126
.5713	-1.166	.5035	.5216	+0.383	.2138
.5782	-1.157	.5094	.5275	+0.291	.2188
.5862	-1.168	.5160	.5292	+0.260	.2202
.6052	-1.153	.5329	.5307	+0.216	.2214
.6136	-1.188	.5390	.5320	+0.179	.2225
.6205	-1.161	.5447	.5379	+0.044	.2276
.6303	-1.162	.5529	.5396	+0.018	.2292
.6373	-1.147	.5587	.5410	-0.021	.2301
.6497	-1.192	.5692	.5421	-0.051	.2310
.6566	-1.170	.5749	.5483	-0.229	.2362
.6747	-1.144	.5901	.5504	-0.290	.2379
.6820	-1.152	.5962	.5518	-0.318	.2391
.6893	-1.176	.6023	.5523	-0.356	.2403
.7052	-1.186	.6156	.5542	-0.374	.2411
54.5287	-1.161	.9778	.5608	-0.501	.2476
.5416	-1.141	.9886	.5622	-0.535	.2478
.5509	-1.143	.9963	.5636	-0.555	.2490
.5618	-1.171	.0054	.5650	-0.603	.2501
.5715	-1.145	.0125	.5709	-0.707	.2551
.5802	-1.130	.0208	.5723	-0.736	.2563
.5899	-1.180	.0289	.5740	-0.781	.2577
.6052	-1.142	.0417	.5754	-0.801	.2588
.6128	-1.130	.0480	.5816	-0.873	.2640
.6194	-1.157	.0536	.5830	-0.872	.2653
.6242	-1.151	.0577	.5847	-0.879	.2664
.6333	-1.151	.0652	.5858	-0.908	.2676
.6413	-1.142	.0719	.5921	-0.984	.2728
.6486	-1.142	.0780	.5934	-0.999	.2739
.6670	-1.135	.0934	.5952	-1.012	.2754
.6739	-1.117	.0992	.5966	-1.024	.2766
.6805	-1.132	.1047	.6032	-1.042	.2821
.6874	-1.126	.1105	.6039	-1.064	.2827
.6975	-1.135	.1190	.6063	-1.083	.2847
.7048	-1.118	.1251	.6077	-1.087	.2862
.7107	-1.137	.1300	.6139	-1.124	.2910
.7215	-1.039	.1400	.6150	-1.123	.2920
.7278	-1.011	.1453	.6167	-1.126	.2934
.7344	-0.940	.1508	.6323	-1.134	.3064
61.5729	-1.153	.8710	.6340	-1.127	.3076
77.4987	+0.158	.1947	.6355	-1.124	.3091
.5004	+0.180	.1961	.6428	-1.190	.3152
.5014	+0.217	.1969	24.399..		
.5084	+0.388	.2027	02.5334	-1.071	.1407
.5097	+0.396	.2039	.5348	-1.047	.1419
.5115	+0.414	.2049	.5362	-1.011	.1431

J.D.hel.	v-c	Phase	J.D.hel.	v-c	Phase
51.6868	-1.199	.6385	77.5254	-1.444	.8937
.7074	-1.175	.6498	.5358	-1.427	.8991
54.5381	-1.588	.1013	.5462	-1.467	.9044
.5489	-1.581	.1068	.5587	-1.452	.9108
.5593	-1.577	.1121	.5691	-1.473	.9161
.5693	-1.627	.1173	.5796	-1.496	.9215
.5766	-1.600	.1210	.5900	-1.497	.9269
.5864	-1.585	.1260	.6011	-1.498	.9325
.6023	-1.568	.1342	.6119	-1.518	.9381
.6107	-1.573	.1385	.6209	-1.526	.9433
.6173	-1.584	.1419	.6303	-1.548	.9475
.6311	-1.580	.1490	.6405	-1.527	.9528
.6388	-1.575	.1529	24399..		
.6461	-1.569	.1567	02.5417	-1.195	.6855
.6648	-1.556	.1663	.5508	-1.193	.6902
.6718	-1.547	.1699	.5584	-1.220	.6951
.6853	-1.548	.1768	.5754	-1.214	.7038
.6954	-1.537	.1820	.5987	-1.228	.7157
.7027	-1.531	.1857	03.5813	-1.417	.2198
.7186	-1.528	.1939	.5855	-1.473	.2220
.7302	-1.536	.2004	.5924	-1.467	.2255
61.5903	-1.209	.7190	.5952	-1.470	.2269
77.5063	-1.374	.8839	.5980	-1.405	.2284
.5160	-1.414	.8889			

Flower and Cook Observatories

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