Table 3: Photoelectric observations of V1046 Ori (in magnitudes) which were observed in, or transformed into the standard Strömgren system and were not previously published. Numbers in column "Obs." correspond to those in column "Instrument" of Table 2

HJD-2400000	y	b	u	v	b-v	u-b	c1	m1	Obs.
38670.9588	6.548	6.495	6.755	–	-.053	.260	–	–	1
38671.9125	6.546	6.505	6.773	–	-.041	.268	–	–	1
42770.305	6.570	–	6.777	–	–	–	–	–	2
42770.334	6.570	–	6.780	–	–	–	–	–	2
42770.365	6.568	–	6.777	–	–	–	–	–	2
42770.395	6.565	–	6.772	–	–	–	–	–	2
42770.424	6.566	–	6.768	–	–	–	–	–	2
42770.455	6.562	–	6.765	–	–	–	–	–	2
42770.485	6.561	–	6.766	–	–	–	–	–	2
42770.515	6.561	–	6.763	–	–	–	–	–	2
42770.544	6.559	–	6.760	–	–	–	–	–	2
44197.7076	6.561	6.496	6.746	6.542	-.065	.250	.158	.111	4
44203.7708	6.559	6.494	6.737	6.534	-.065	.243	.163	.105	4
44205.6258	6.567	6.509	6.765	6.557	-.058	.256	.160	.106	4
48911.9132	6.570	6.514	6.767	6.556	-.056	.253	.169	.098	6
48912.9444	6.554	6.499	6.751	6.551	-.055	.252	.148	.107	6
48918.9339	6.589	6.518	6.775	6.567	-.071	.257	.159	.120	6
48920.9351	6.572	6.511	6.765	6.561	-.061	.254	.154	.111	6
48921.9157	6.575	6.512	6.754	6.549	-.063	.242	.168	.100	6
48928.8740	6.583	6.514	6.770	6.571	-.069	.256	.142	.126	6
48938.8478	6.580	6.521	6.770	6.568	-.059	.249	.155	.106	6
48939.8705	6.570	6.512	6.770	6.554	-.058	.258	.174	.100	6
48940.9170	6.570	6.509	6.746	6.556	-.061	.237	.143	.108	6
48941.8735	6.572	6.513	6.753	6.556	-.059	.240	.154	.102	6
48942.8737	6.563	6.499	6.737	6.560	-.064	.238	.116	.125	6
48943.8906	6.567	6.511	6.748	6.561	-.056	.237	.137	.106	6
48944.8640	6.573	6.507	6.754	6.568	-.066	.247	.125	.127	6
48958.8875	6.577	6.506	6.751	6.554	-.071	.245	.149	.119	6
49261.9323	6.556	6.502	6.736	6.562	-.054	.234	.114	.114	6
49291.0173	6.578	6.522	6.772	6.563	-.056	.250	.168	.097	6
49294.9800	6.572	6.514	6.766	6.559	-.058	.252	.162	.103	6
49298.0031	6.558	6.505	6.741	6.557	-.053	.236	.132	.105	6
49316.9498	6.561	6.509	6.744	6.562	-.052	.235	.129	.105	6
49317.9473	6.576	6.519	6.750	6.563	-.057	.231	.143	.101	6
49323.9331	6.567	6.506	6.752	6.559	-.061	.246	.140	.114	6
49324.9286	6.569	6.509	6.738	6.545	-.060	.229	.157	.096	6
49325.9253	6.566	6.509	6.748	6.561	-.057	.239	.135	.109	6
49337.8906	6.575	6.519	6.768	6.567	-.056	.249	.153	.104	6
49338.8881	6.570	6.518	6.768	6.565	-.052	.250	.156	.099	6
49353.8461	6.562	6.506	6.744	6.561	-.056	.238	.128	.111	6
49360.8301	6.556	6.502	6.755	6.552	-.054	.253	.153	.104	6
49369.8012	6.567	6.513	6.755	6.560	-.054	.242	.148	.101	6
49374.7900	6.577	6.520	6.760	6.572	-.057	.240	.136	.109	6
49653.0277	6.568	6.502	6.748	6.564	-.066	.246	.122	.128	6
49654.0246	6.571	6.507	6.750	6.562	-.064	.243	.133	.119	6
49657.0173	6.586	6.524	6.774	6.566	-.062	.250	.166	.104	6
49661.9958	6.563	6.503	6.741	6.561	-.060	.238	.122	.118	6
49663.0011	6.563	6.506	6.745	6.559	-.057	.239	.133	.110	6
49665.9931	6.578	6.520	6.775	6.562	-.058	.255	.171	.100	6
49666.9906	6.579	6.519	6.767	6.568	-.060	.248	.150	.109	6
49670.9779	6.560	6.500	6.746	6.555	-.060	.246	.136	.115	6
49671.9383	6.560	6.506	6.738	6.562	-.054	.232	.120	.110	6
49676.9509	6.578	6.518	6.772	6.564	-.060	.254	.162	.106	6
49684.9416	6.584	6.523	6.778	6.570	-.061	.255	.161	.108	6
49685.9382	6.579	6.519	6.768	6.558	-.060	.249	.171	.099	6
49686.9367	6.569	6.519	6.762	6.557	-.050	.243	.167	.088	6
49687.9342	6.574	6.511	6.757	6.560	-.063	.246	.148	.112	6
49688.9314	6.566	6.512	6.753	6.555	-.054	.241	.155	.097	6
49689.9280	6.561	6.506	6.742	6.558	-.055	.236	.132	.107	6
50060.8981	6.574	6.516	6.764	6.552	-.058	.248	.176	.094	6
50062.8996	6.566	6.510	6.742	6.549	-.056	.232	.154	.095	6
50065.8803	6.565	6.507	6.748	6.572	-.058	.241	.111	.123	6
50084.7590	6.563	6.507	6.743	6.559	-.056	.236	.132	.108	6
50086.7475	6.575	6.518	6.771	6.561	-.057	.253	.167	.100	6
50087.7906	6.578	6.521	6.764	6.561	-.057	.243	.163	.097	6
50093.7823	6.566	6.508	6.744	6.568	-.058	.236	.116	.118	6
50095.7735	6.580	6.516	6.762	6.571	-.064	.246	.136	.119	6
50096.7748	6.575	6.522	6.772	6.568	-.053	.250	.158	.099	6
50097.7668	6.576	6.519	6.767	6.565	-.057	.248	.156	.103	6
50100.7636	6.572	6.508	6.754	6.548	-.064	.246	.166	.104	6
50103.7599	6.572	6.507	6.757	6.560	-.065	.250	.144	.118	6
50106.7746	6.579	6.523	6.769	6.567	-.056	.246	.158	.100	6
50107.7708	6.573	6.517	6.774	6.561	-.056	.257	.169	.100	6
50108.7680	6.574	6.511	6.758	6.557	-.063	.247	.155	.109	6
50109.7650	6.562	6.503	6.744	6.541	-.059	.241	.165	.097	6
50117.7493	6.573	6.513	6.764	6.560	-.060	.251	.157	.107	6
50119.7309	6.556	6.505	6.751	6.557	-.051	.246	.142	.103	6

Table 5: Radial velocities and He I 447.1 spectrophotometry of V1046 Ori from the David Dunlap Observatory photographic spectrograms

HJD -2400000	RV_1 mean H+He ($km\ s^{-1}$)	RV_1 He I ($km\ s^{-1}$)	RV_1 He 416.9 ($km\ s^{-1}$)	RV_2 Mg II ($km\ s^{-1}$)	RV Ca II ($km\ s^{-1}$)	FWHM He 447.1 (nm)	I_c He 447.1	EW He 447.1 (nm)
44950.708	7.1	8.1	20.7	101.2	23.8	0.71	0.715	0.237
44950.815	11.3	13.0	29.1	95.8	22.7	0.57	0.715	0.214
44959.589	45.5	53.9	56.4	-36.0	19.8	0.59	0.730	0.201
44959.697	49.1	56.7	76.1	-36.7	19.7	0.70	0.720	0.228
44959.820	56.3	66.5	75.2	-31.3	20.6	0.54	0.710	0.192
45268.835	13.4	12.9	29.1	78.4	23.9	0.68	0.725	0.210
45292.811	39.7	47.8	38.0	-09.2	17.7	0.55	0.760	0.160
45310.733	35.0	40.3	64.0	4.8	19.1	0.56	0.735	0.174
45321.617	-9.2	-13.3	-12.4	127.9	22.6	0.56	0.755	0.160
45356.498	38.8	43.8	48.9	16.2	19.7	0.46	0.725	0.162
45362.563	12.3	14.0	34.4	65.0	22.3	0.65	0.705	0.220
45363.522	23.5	24.6	43.5	50.3	23.3	0.57	0.705	0.210
45379.511	-2.7	-4.5	-7.4	103.2	21.1	0.55	0.730	0.194
45394.537	12.8	12.6	30.1	61.7	19.9	0.58	0.780	0.146
45411.531	56.0	57.0	–	–	–	0.45	0.750	0.135
45417.549	10.6	9.3	22.2	92.5	24.5	0.66	0.700	0.236
45629.782	41.4	51.0	66.8	-16.6	20.5	0.54	0.750	0.157
45638.803	-14.7	-18.5	-19.9	119.2	20.8	0.62	0.740	0.185
45646.747	39.4	48.5	60.5	- 7.9	15.9	0.38	0.750	0.135
45656.707	-9.3	-13.7	-7.7	128.6	22.4	0.53	0.755	0.150
45656.785	-13.6	-19.8	-19.5	137.9	19.7	0.59	0.760	0.167
45660.723	7.6	7.6	0.3	69.0	22.3	0.60	0.730	0.215
45661.783	18.8	18.5	30.7	48.3	20.2	0.62	0.720	0.214
45719.562	30.3	35.1	71.9	25.6	20.2	0.58	0.720	0.192
45719.689	35.2	45.0	77.5	34.9	22.5	0.45	0.740	0.155
45731.524	-15.9	-23.0	-15.9	138.6	16.0	0.50	0.760	0.164
45746.594	63.6	74.4	84.9	-46.7	18.7	0.55	0.730	0.195
46037.796	39.6	53.0	66.5	4.8	18.0	0.49	0.735	0.146
46074.713	39.9	50.6	43.5	3.5	20.1	0.45	0.740	0.135