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Table 1. Summary of pertinent data for peculiar motions of the 74 O stars and 67 WR stars, in order of HIP number (RA for most stars) – left panel

HD/DM	Other	HIP	Sp	V/v	l(1991.25)	b(1991.25)	r	z	μ_l	σ_{μ_l}	μ_b	σ_{μ_b}
				mag	°	°	kpc	pc				
4004	WR1	3415	WN5	10.51	122.0834	1.9007	2.63	87	-1.5	1.1	0.1	1.6
5394	γCas	4427	B0Iab	2.15	123.2081	-2.4246	0.19	-7	25.7	0.4	-3.3	0.4
6327	WR2	5100	WN2	11.33	124.6536	-2.4037	2.51	-105	-8.8	4.0	5.2	4.8
9974	WR3	7681	WN3+a	10.70	129.1798	-4.1386	3.42	-246	-3.3	1.8	-1.3	1.8
12993		10024	O6.5V	9.00	133.1079	-3.3985	3.50	-207	-0.9	1.0	-1.4	1.2
13268		10228	O7:	8.19	133.9621	-4.9892	2.29	-199	1.9	0.7	-2.8	0.9
16429	V428 Cas	12495	O9.5II((n))	7.70	135.6781	1.1450	1.00	19	-6.5	1.6	0.4	1.7
16523	WR4	12527	WC5	10.53	137.5950	-2.9841	2.89	-150	-3.2	1.4	-1.0	1.5
17638	WR5	13380	WC6	11.02	138.8669	-2.1532	2.14	-80	1.5	1.5	-3.1	1.4
E237019		13468	O8V	9.72	137.4300	1.0693	3.10	57	-0.7	1.8	-1.4	1.8
24534	X Per	18350	O9.5pe	6.79	163.0817	-17.1361	1.30	-383	1.5	0.9	-4.7	0.9
24912	ξ Per	18614	O7.5III(n)((f))	3.98	160.3726	-13.1065	0.40	-90	-0.1	0.7	3.0	0.7
34078	AE Aur	24575	O9.5V	5.99	172.0816	-2.2591	0.50	-19	-37.6	0.6	21.7	0.5
BD+39 1328		25947	O8.5Ib	9.84	169.1083	3.5988	4.55	285	-1.0	2.0	0.1	1.7
E245770	4U05335+26	26566	Bpe	9.20	181.4453	-2.6433	1.80	-83	1.0	1.5	-6.6	1.2
37737		26889	O9.5III(n)	8.05	173.4644	3.2437	1.31	74	3.6	1.1	1.6	0.9
38666	μ Col	27204	O9.5V	5.18	237.2863	-27.1016	0.40	-180	22.5	0.5	-3.5	0.5
39680		27941	O6V:[n]pe var	7.90	194.0746	-5.8762	2.48	-253	1.9	1.1	-1.5	0.9
41997		29147	O7.5V(n)	8.45	194.1452	-1.9807	2.00	-69	8.4	1.1	-8.4	0.9
50896	WR6	33165	WN5	6.94	234.7570	-10.0828	1.56	-273	-5.9	0.5	-1.5	0.6
52533		33836	O9V	7.70	216.8482	0.8034	2.30	32	-0.3	2.4	-0.6	2.0
56925	WR7	35378	WN4	11.75	227.7505	-0.1280	3.49	-7	-4.5	1.9	-1.0	2.1
57060	29 CMa	35412	O7Iafp var	4.88	237.8246	-5.3674	1.51	-141	-3.7	0.5	-1.3	0.5
60369		36706	O9III	8.14	242.6762	-4.2984	2.78	-208	-4.6	1.2	0.5	1.4
62910	WR8	37791	WN6+WC4	10.56	247.0734	-3.7921	3.47	-229	-3.4	1.2	0.5	1.4
63099	WR9	37876	WC5+O7	11.04	249.2721	-4.8372	2.35	-198	-5.5	1.3	-0.1	1.5
64315		38430	O6ne	9.19	243.1556	0.3634	4.00	25	-2.1	0.9	-2.4	1.0
65865	WR10	39086	WN4.5	11.08	245.9802	0.5755	4.57	45	-4.4	2.5	-2.3	2.7
66811	ζ Pup	39429	O4Inf	2.21	255.9762	-4.7052	0.43	-35	-30.5	0.4	-17.3	0.4
68273	WR11	39953	WC8+O9I	1.74	262.8028	-7.6854	0.26	-34	-11.5	0.5	0.3	0.5
69106		40328	O5e	7.14	254.5178	-1.3302	2.45	-56	-6.9	0.5	-1.8	0.5
76536	WR14	43778	WC6	9.42	267.5524	-1.6366	2.00	-57	-5.9	0.8	0.6	0.8
77581	Vela X-1	44368	B0.5Ib	6.91	263.0586	3.9303	1.45	99	-10.0	0.6	1.1	0.6
79573	WR15	45237	WC6	11.73	271.4239	-1.0812	1.78	-33	-7.5	1.5	-3.4	1.5
86161	WR16	48617	WN8	8.43	281.0801	-2.5505	4.03	-179	-11.8	0.6	-3.0	0.6
88500	WR17	49838	WC5	11.11	284.4358	-3.6880	5.10	-328	-3.0	1.1	-0.7	1.1
89358	WR18	50368	WN5	11.20	283.5751	-0.9651	3.51	-59	-4.6	1.5	2.7	1.6
90657	WR21	51109	WN4+O4-6	9.80	285.0175	-0.9028	3.49	-54	-6.5	0.6	-2.6	0.9
92504		52182	O8.5II	8.42	285.9161	0.9896	2.56	44	-7.9	0.7	-1.1	0.8
92554		52191	O9.5II	9.48	287.6024	-2.0201	6.79	-239	-6.8	0.9	-0.9	1.1
92740	WR22	52308	WN7+O6.5-8.5	6.44	287.1745	-0.8471	2.63	-38	-8.1	0.5	-1.5	0.5
92809	WR23	52331	WC6	9.71	286.7808	-0.0310	2.63	-1	-6.9	0.8	-1.1	0.9
93131	WR24	52488	WN7+a	6.49	287.6684	-1.0817	2.63	-49	-6.7	0.5	-1.3	0.6
E305560		52697	O9.5III	9.76	288.1615	-1.3265	4.66	-107	-7.1	1.1	-3.0	1.2
94546	WR31	53274	WN4+O8V	10.69	288.5002	0.0205	4.39	1	-4.0	2.4	-3.7	2.8
CP-61 2033		53912	O9.5V	9.56	290.4758	-1.8611	3.24	-105	-5.0	1.0	-0.1	1.0
96264		54175	O9.5IV	7.60	290.4018	-0.7976	1.68	-23	-7.1	0.8	-2.6	1.2
96548	WR40	54283	WN8	7.85	292.3152	-4.8285	4.02	-338	-2.0	0.7	-3.0	0.8
97152	WR42	54574	WC7+O7V	8.25	290.9473	-0.4879	2.90	-24	-6.9	0.7	-0.6	0.8
E308399	CP-61 2163	55078	O9V	11.07	292.0863	-1.2578	4.16	-91	-7.3	3.6	4.2	4.1
102567	4U1145-61	57569	B1Vne	8.86	295.6115	-0.2398	2.15	-8	-6.8	0.8	0.4	0.8
104994	WR46	58954	WN3p	10.96	297.5565	0.3370	3.44	20	-6.5	1.5	-0.9	1.4
E311884	WR47	62115	WN6+O5V	11.09	302.0739	-0.2279	3.80	-15	-7.9	1.5	2.2	1.5

Table 1. Summary of pertinent data for peculiar motions of the 74 O stars and 67 WR stars, in order of HIP number (RA for most stars) – right panel

HIP	$(\mu_l)_{pec}$	$(\mu_l)_{pec}/\sigma_{\mu_l}$	$(\mu_b)_{pec}$	$(\mu_b)_{pec}/\sigma_{\mu_b}$	$(v_t)_{pec}$ km/s	$\sigma_{(v_t)_{pec}}$ km/s	(v_r) km/s	$(v_r)_{pec}$ km/s	Remarks
3415	0.5	0.4	0.5	0.3	8.6	34.5		SB1?	
4427	14.2	32.3	3.7	8.8	13.1	4.0	-7.0	-0.8	MXRB(+WD? or +c?)
5100	-7.0	-1.7	5.8	1.2	108.6	108.6			
7681	-1.8	-1.0	-0.7	-0.4	32.0	59.2			SB1?
10024	0.3	0.3	-0.9	-0.8	15.3	38.5	-136.0	-96.0	
10228	2.8	3.7	-2.1	-2.2	37.3	20.8	-127.0	-99.3	
12495	-7.1	-4.3	1.6	1.0	34.7	18.8	-44.5	-30.8	
12527	-2.5	-1.7	-0.4	-0.3	34.5	40.6			
13380	1.9	1.2	-2.4	-1.7	31.0	31.5			
13468	0.0	0.0	-1.0	-0.6	14.9	52.6	-68.0	-33.4	
18350	-0.2	-0.2	-3.6	-4.1	22.4	12.9	16.4	17.0	MXRB
18614	-6.6	-9.8	5.9	8.5	16.7	5.6	59.3	56.3	SB1?, P=7.4 or 11.2 d(?)
24575	-42.6	-71.5	24.2	46.1	116.3	35.0	54.4	48.4	
25947	-1.5	-0.7	0.4	0.2	33.2	85.9	-72.0	-64.0	
26566	-0.2	-0.2	-6.0	-4.9	51.2	26.0	6.0	-4.5	MXRB, $P_{orb} = 111.5$ d(?)
26889	1.8	1.7	2.7	3.0	19.8	13.1	-15.2	-19.2	SB1, $P_{orb} = 2.5$ d
27204	27.2	52.4	-5.1	-10.1	52.0	15.7	109.8	90.8	
27941	1.4	1.3	-1.1	-1.3	21.7	24.8	53.4	29.7	
29147	7.7	7.0	-7.9	-8.9	104.4	36.6	-18.0	-39.6	
33165	-2.7	-5.6	-1.4	-2.3	22.6	10.2			single?, $P_{rot} = 3.8$ d
33836	0.9	0.4	0.0	0.0	9.5	52.5	45.6	7.5	SB1, $P_{orb} = 3.3$ d
35378	-2.5	-1.3	-0.7	-0.3	42.2	63.7			
35412	-0.1	-0.1	-0.9	-1.7	6.2	7.7	13.5	-18.7	eclips. bin., $P_{orb} = 4.4$ d
36706	-1.0	-0.8	0.7	0.5	15.4	33.2	87.0	42.2	
37791	0.4	0.4	0.6	0.4	12.6	44.9			SB2?, $P_{orb} \sim 98$ d
37876	-1.1	-0.8	0.2	0.1	12.0	28.4			SB2, $P_{orb} = 14.3$ d
38430	1.2	1.3	-2.0	-2.1	44.9	38.8	28.0	-29.1	ellips. var.?, $P_{orb} = 1.0$ d(?)
39086	-1.1	-0.4	-2.0	-0.7	49.8	116.2			
39429	-22.5	-52.1	-15.0	-35.8	55.0	16.6	-24.1	-40.2	$P_{rot} = 5.1$ d
39953	0.0	0.0	3.7	8.0	4.5	1.8			SB2, $P_{orb} = 78.5$ d
40328	-2.0	-4.0	-1.3	-2.6	28.1	14.5	3.0	-31.5	
43778	0.3	0.3	1.2	1.5	11.3	15.5			
44368	-3.8	-6.1	2.1	3.4	29.9	12.4	-0.5	-19.3	MXRB, $P_{orb} = 9.0$ d
45237	-1.0	-0.7	-2.7	-1.8	24.5	26.1			
48617	-5.9	-9.3	-2.7	-4.4	123.9	44.3			
49838	2.8	2.7	-0.5	-0.4	69.4	55.5			
50368	1.6	1.0	3.1	1.9	57.4	55.3			
51109	-0.3	-0.5	-2.3	-2.4	37.9	32.9			SB2, $P_{orb} = 8.2$ d
52182	-1.4	-2.0	-0.6	-0.7	18.8	18.8	-35.0	-34.7	
52191	-1.2	-1.3	-0.8	-0.7	46.1	65.0	-38.0	-60.5	
52308	-1.7	-3.6	-1.0	-1.9	24.2	14.2			SB2, $P_{orb} = 80.3$ d
52331	-0.5	-0.6	-0.6	-0.6	9.7	22.2			
52488	-0.3	-0.6	-0.8	-1.4	10.8	14.4			
52697	-1.1	-1.0	-2.7	-2.3	64.8	55.4	-37.2	-40.5	
53274	2.1	0.9	-3.4	-1.2	83.1	114.0			SB2, $P_{orb} = 4.8$ d
53912	1.3	1.3	0.3	0.3	20.6	30.5	-41.0	-34.6	
54175	-0.3	-0.4	-1.9	-1.5	15.1	19.9	-32.9	-29.2	
54283	4.2	5.8	-2.7	-3.6	94.8	39.9			
54574	-0.6	-0.8	-0.1	-0.1	8.0	19.0			SB2, $P_{orb} = 7.9$ d
55078	-1.1	-0.3	4.5	1.1	91.8	162.3	27.0	34.6	
57569	-0.4	-0.5	1.0	1.2	11.1	17.1	-13.5	-2.2	MXRB, $P_{orb} = 187.5$ d
58954	-0.3	-0.2	-0.6	-0.4	11.0	47.1			SB1?(+c?),P=0.3d
62115	-1.9	-1.3	2.5	1.7	56.6	55.4			SB2, $P_{orb} = 6.2$ d

Table 1. Left panel, continued

HD/DM	Other	HIP	Sp	V/v	l(1991.25)	b(1991.25)	r	z	μ_l	σ_{μ_l}	μ_b	σ_{μ_b}
				mag	°	°	kpc	pc				
112244	HR 4908	63117	O8.5Iabf	5.34	303.5522	6.0310	1.52	160	-5.1	0.4	-0.7	0.4
113904	WR48	64094	WC6+O9.5I	5.69	304.6741	-2.4902	2.40	-104	-5.5	0.7	-1.9	0.6
115071		64737	O9Vn	7.95	305.7638	0.1529	1.01	2	-3.6	0.7	-0.8	0.7
115473	WR52	64929	WC5	9.98	306.5038	4.5475	2.46	195	-4.0	0.9	-3.3	0.9
116852		65890	O9III	8.49	304.8819	-16.1313	4.76	-1322	6.7	0.7	-8.8	0.7
117297	WR53	65925	WC8	11.06	307.5316	0.4383	5.26	40	-5.7	1.3	-2.6	1.2
117688	WR55	66142	WN7	10.87	307.7955	0.1573	8.64	23	-6.3	1.6	0.9	1.4
119078	WR57	66948	WC7	10.11	307.8941	-5.0299	3.80	-333	-7.1	1.1	-5.5	1.3
122879	HR 5281	68902	O9.5I	6.39	312.2626	1.7910	1.90	59	-3.5	0.6	-0.2	0.7
123008		68995	O9.5I	8.82	311.0151	-2.7974	5.62	-274	-6.1	1.0	-1.6	0.9
LSS 3208	WR61	69445	WN4.5	12.56	311.2811	-3.9075	9.62	-655	-4.2	4.3	1.0	3.9
130298		72510	O7.5V	9.27	318.7678	2.7690	1.69	81	-7.6	1.3	0.2	1.3
134877	WR66	74634	WN8	11.71	320.0654	-1.8327	7.38	-236	-9.2	5.4	-8.1	5.1
136488	WR69	75377	WC9	9.43	319.4774	-4.8197	2.51	-210	-5.2	1.0	-0.9	0.9
137603	WR70	75863	WC9+B0I	10.15	322.3393	-1.8064	2.26	-71	-4.6	1.7	-0.8	1.7
E329905		77391	O9I	10.45	330.4209	4.5932	7.31	585	-4.2	1.5	2.3	1.6
CP-54 6791		77994	O9III	10.40	327.5573	-0.8300	4.53	-65	-2.2	3.7	-0.6	3.8
143414	WR71	78689	WN6	10.22	323.0812	-7.6127	6.69	-886	-12.8	1.4	-3.4	1.4
144695		79172	O9V	9.73	332.2456	1.3038	1.92	43	-3.6	1.5	-0.7	1.6
146628		79978	O9.5Ia	9.96	333.5380	0.3306	3.91	22	-5.9	1.8	0.7	1.8
E328209		80755	O9.5Ia	9.73	338.4852	2.8456	3.44	170	-6.0	1.4	5.7	1.4
148937		81100	O6.5f?p	6.73	336.3659	-0.2177	1.38	-5	-2.4	1.1	-2.7	1.1
150136	HR 6187	81702	O5IIIn(f)	5.57	336.7114	-1.5738	0.76	-20	3.4	3.0	4.5	2.9
150197		81736	O9Ib	9.50	337.3178	-0.2918	3.44	-49	-4.4	1.6	-1.5	1.5
151804	V973 Sco	82493	O8Iaf	5.23	343.6154	1.9383	1.91	64	0.0	0.7	-0.7	0.6
151932	WR78	82543	WN7	6.61	343.2237	1.4321	2.00	49	-1.7	0.8	1.5	0.8
152246		82685	O9III-IV((n))	7.32	344.0337	1.6660	1.91	55	-0.7	0.8	-0.4	0.8
152270	WR79	82706	WC7+O5-8	6.95	343.4871	1.1644	2.00	40	-1.6	0.8	-0.9	0.8
152408	HR 6272	82775	O8Iafpe	5.78	344.0834	1.4913	1.91	49	-1.2	0.7	-0.7	0.6
152667	V861 Sco	82911	B0Iae	6.18	344.5308	1.4575	1.60	40	0.1	0.9	-0.3	0.9
CD-49 11137		83468	O9.5Ia	10.27	338.0104	-5.1843	11.75	-1061	-0.7	1.9	-2.9	1.8
153919	4U1700-37	83499	O6.5Iaf	6.48	347.7542	2.1739	1.60	60	4.9	0.7	1.4	0.6
156212		84588	O9.7Iab	7.89	357.5892	5.8269	1.00	101	-1.9	0.9	1.7	0.8
156327	WR86	84655	WC7	9.73	352.2507	1.8533	1.95	63	-3.1	1.8	-3.1	1.4
156292		84687	O9.5III	7.51	345.3496	-3.0842	1.80	-96	0.1	1.7	-1.0	1.5
LSS 4065	WR89	84716	WN7	11.53	348.7174	-0.7821	2.88	-39	-5.7	5.2	1.0	4.2
156385	WR90	84757	WC7	7.45	343.1639	-4.7623	1.97	-163	-2.8	0.7	-1.8	0.6
157857		85331	O6.5III(f)	7.78	12.9704	13.3108	2.32	534	-5.2	1.1	9.2	0.9
158186		85569	O9.5V	6.99	355.9065	1.5969	1.30	36	-0.3	1.0	-1.8	0.7
E320102	WR97	86197	WN3+O5-7	11.15	354.6817	-1.1233	2.92	-57	-0.8	2.4	5.0	2.0
160641	V2076 Oph	86605	O9.5Ia	9.85	8.9892	6.4923	8.80	995	0.5	2.1	2.2	1.8
160730		86673	O8V	9.87	3.5963	3.0235	1.96	103	-4.0	2.3	2.1	1.9
164019		88157	O9.5I	9.26	1.9097	-2.6162	6.10	-278	1.8	1.8	1.2	1.3
164270	WR103	88287	WC9	9.01	358.4846	-4.8911	2.54	-216	0.0	1.2	-3.1	0.9
E313846	WR108	88597	WN9	10.14	7.3645	-0.8506	3.73	-55	-0.4	1.8	-2.6	1.4
165688	WR110	88828	WN6	10.30	10.7998	0.3949	1.89	13	-3.0	1.8	-0.4	1.4
165763	WR111	88856	WC5	8.23	9.2388	-0.6129	1.58	-16	-2.2	0.9	-0.9	0.8
167330		89441	O9I-II	8.22	17.6586	2.1632	2.01	75	-0.4	1.4	-1.4	1.1
167633		89584	O6V	8.13	14.3410	-0.0727	2.16	-2	-1.5	0.9	-1.5	0.7
168206	WR113	89769	WC8+O8-9IV	9.43	18.9071	1.7516	2.00	61	-0.5	1.4	-4.3	1.1
168941		90119	O9.5II	9.35	5.8208	-6.3124	5.74	-630	-8.4	1.5	-1.3	1.2
169582		90320	O5.5I	8.69	21.3284	1.2026	1.90	39	-1.7	1.0	-2.7	0.9
171198		91003	O7	9.54	20.0331	-1.7363	2.70	-81	-3.2	1.3	-3.3	1.1

Table 1. Right panel, continued

HIP	$(\mu_l)_{pec}$	$(\mu_l)_{pec}/\sigma_{\mu_l}$	$(\mu_b)_{pec}$	$(\mu_b)_{pec}/\sigma_{\mu_b}$	$(v_t)_{pec}$	$\sigma_{(v_t)_{pec}}$	(v_r)	$(v_r)_{pec}$	Remarks
					km/s	km/s	km/s	km/s	
63117	1.1	2.7	-0.1	-0.1	8.1	6.4	24.0	37.7	
64094	0.4	0.5	-1.3	-2.1	14.9	14.3			SB1+OSG, $P_{orb} = 18.3$ d
64737	3.3	4.6	0.4	0.6	15.9	8.4	-102.0	-93.4	ellips. var.?, $P_{orb} = 2.7$ d(?)
64929	1.7	2.0	-3.0	-3.2	40.1	24.4			
65890	12.7	17.4	-8.1	-12.3	340.2	107.0	-47.0	-14.6	
65925	0.3	0.3	-2.4	-1.9	59.4	64.0			
66142	-0.2	-0.1	1.0	0.7	42.6	117.8			
66948	-1.3	-1.2	-5.0	-3.8	93.3	54.5			
68902	1.9	3.2	0.4	0.6	17.1	11.7	2.2	25.5	eclips. bin.?, $P_{orb} = 1.6$ d(?)
68995	-0.1	-0.1	-1.3	-1.5	35.0	47.0	-36.0	15.2	
69445	1.8	0.4	1.2	0.3	100.0	380.6			
72510	-2.8	-2.3	0.8	0.7	23.7	21.3	-72.0	-48.7	
74634	-3.0	-0.5	-7.9	-1.6	294.7	369.5			
75377	-0.7	-0.7	-0.2	-0.2	8.3	24.8			
75863	-0.4	-0.2	-0.2	-0.1	4.5	36.3			SB2? P_{orb}-long?
77391	1.6	1.0	2.2	1.4	94.2	111.8	15.0	128.8	
77994	2.0	0.5	-0.3	-0.1	42.7	159.2	-16.0	57.9	
78689	-7.0	-4.9	-2.9	-2.0	240.5	116.5			
79172	-0.4	-0.3	-0.1	0.0	3.6	27.8	0.0	27.5	
79978	-2.8	-1.6	1.0	0.6	55.0	67.4	-32.0	30.5	
80755	-3.7	-2.6	5.9	4.2	114.0	57.4	-28.0	21.7	
81100	0.9	0.8	-1.8	-1.6	12.9	15.0	-43.5	-24.6	
81702	8.1	2.7	6.2	2.1	36.9	24.1	-55.0	-43.5	SB1, $P_{orb} = 2.7$ d(?)
81736	-2.0	-1.2	-1.1	-0.7	36.4	52.5	-2.0	48.2	
82493	2.1	3.1	-0.1	-0.2	18.9	13.5	-46.7	-24.2	
82543	0.3	0.4	2.1	2.7	20.0	15.7			
82685	1.3	1.7	0.2	0.3	12.2	14.8	13.2	35.4	
82706	0.4	0.5	-0.3	-0.4	4.8	15.6			SB2, $P_{orb} = 8.9$ d
82775	0.9	1.3	-0.1	-0.2	8.0	12.2	-71.6	-49.5	
82911	2.3	2.4	0.4	0.4	17.7	15.2	11.0	29.8	MXRB, $P_{orb} = 7.8$ d
83468	6.3	3.2	-2.7	-1.5	380.0	242.9	-57.0	4.9	
83499	6.9	9.6	2.1	3.2	54.6	19.6	-64.5	-47.4	MXRB, $P_{orb} = 3.4$ d
84588	0.5	0.6	2.8	3.5	13.3	8.6	-46.0	-35.7	
84655	-1.6	-0.9	-2.5	-1.8	27.8	29.0			
84687	2.1	1.2	-0.2	-0.1	18.4	29.9	-54.0	-34.3	
84716	-4.4	-0.8	1.5	0.4	63.2	141.0			
84757	-0.8	-1.1	-1.0	-1.6	11.6	12.5			
85331	-4.0	-3.7	9.9	10.5	117.5	41.1	59.0	54.7	
85569	1.6	1.7	-0.9	-1.2	11.4	11.8	33.4	44.6	eclips. bin, $P_{orb} = 3.5$ d(?)
86197	0.1	0.1	5.5	2.7	76.0	59.8			SB2, $P_{orb} = 12.6$ d
86605	7.3	3.5	2.8	1.6	326.6	198.4	106.0	-60.1	ellips. var.?, $P_{orb} = 0.9$ d(?)
86673	-2.8	-1.2	2.7	1.4	36.5	41.2	-72.0	-66.1	
88157	2.2	1.2	1.4	1.1	75.3	98.2	-27.0	-36.3	
88287	1.0	0.8	-2.5	-2.9	32.6	24.1			SB1?
88597	0.3	0.2	-2.3	-1.6	40.7	51.2			
88828	-1.7	-0.9	0.2	0.2	15.2	32.2			
88856	-0.7	-0.8	-0.1	-0.1	5.4	14.1			
89441	1.1	0.8	-0.7	-0.7	13.0	25.2	-23.0	-29.9	
89584	-0.2	-0.2	-1.0	-1.4	10.0	14.8	-51.0	-57.1	
89769	1.1	0.8	-3.7	-3.5	36.4	23.3			SB2, $P_{orb} = 29.7$ d
90119	-7.7	-5.2	-1.2	-1.0	212.6	102.4	105.0	71.2	
90320	0.1	0.1	-2.1	-2.3	18.5	16.8	-14.0	-22.0	
91003	-1.6	-1.2	-2.9	-2.7	41.8	31.2	54.0	35.3	

Table 1. Left panel, continued

HD/DM	Other	HIP	Sp	V/v	l(1991.25)	b(1991.25)	r	z	μ_l	σ_{μ_l}	μ_b	σ_{μ_b}
				mag	°	°	kpc	pc				
AS 320	WR121	91911	WC9	12.41	28.7280	-0.1284	2.06	-4	-0.5	3.0	-4.6	2.5
173820		92210	O9I	9.92	26.8771	-2.0168	4.50	-158	-1.8	1.9	2.5	1.6
177230	WR123	93626	WN8	11.26	30.5094	-4.7538	10.57	-875	-6.3	2.7	-3.3	2.4
209 BAC	WR124	94289	WN8	11.58	50.1978	3.3104	5.98	345	-9.1	2.4	-4.7	2.5
186943	WR127	97281	WN4+O9.5V	10.33	64.0593	1.7337	4.37	132	-5.6	1.1	-0.3	1.3
187282	WR128	97456	WN4	10.54	55.6151	-3.7861	4.02	-265	-4.9	1.2	-5.2	1.1
E226868	Cyg X-1	98298	O9.7Iab	8.84	71.3348	3.0671	2.32	124	-8.5	0.8	-0.7	0.9
E227018		98418	O6.5III	9.02	71.5824	2.8697	2.28	114	-12.3	0.8	-0.5	0.8
189957		98530	O9.5III	7.80	77.4348	6.1721	2.73	293	-4.8	0.5	1.2	0.5
190918	WR133	99002	WN4.5+O9.5Ib:	6.70	72.6514	2.0653	2.09	75	-8.3	0.9	-1.2	0.9
191765	WR134	99377	WN6	8.23	73.4467	1.5468	2.09	56	-10.0	0.6	-0.6	0.6
192103	WR135	99525	WC8	8.36	73.6470	1.2786	2.09	46	-6.5	0.6	-0.6	0.6
192163	WR136	99546	WN6	7.65	75.4755	2.4264	1.82	77	-10.3	0.5	2.3	0.5
192281		99580	O5Vn((f))p	7.55	77.1245	3.4039	2.34	138	-6.4	0.5	5.1	0.6
192641	WR137	99769	WC7+OB	8.15	74.3265	1.0919	1.82	34	-6.0	0.7	-0.6	0.7
193077	WR138	99982	WN6+a	8.10	75.2344	1.1068	1.82	35	-6.6	1.3	-2.2	1.4
193576	WR139	100214	WN5+O6	8.10	76.5978	1.4289	1.74	43	-5.0	0.7	1.1	0.7
193793	WR140	100287	WC7+O4-5	7.07	80.9301	4.1772	1.34	97	-5.0	0.6	3.1	0.5
197406	WR148	102088	WN7+B(c?)	10.46	90.0810	6.4694	7.72	869	-6.5	1.3	4.6	1.3
BD+45 3260		102449	O9V	9.07	85.5743	2.0897	1.51	55	-5.2	1.9	-1.1	1.7
201345		104316	ON9V	7.78	78.4360	-9.5442	1.91	-316	-4.6	0.5	-6.4	0.6
210839	λ Cep	109556	O6I(n)fp	5.05	103.8279	2.6106	0.51	23	-12.3	0.4	-4.9	0.4
211853	WR153	110154	WN6+O	9.08	102.7824	-0.6533	3.47	-39	-4.5	1.0	0.9	1.0
E235825		110525	O9V	9.29	102.8662	-1.7485	2.90	-88	-3.8	0.8	0.7	0.8
213049	WR154	110836	WC6	11.54	103.8526	-1.1837	3.47	-71	-5.0	1.3	0.9	1.4
214419	WR155	111633	WN7+O9	8.75	105.3232	-1.2942	3.47	-78	-5.3	0.8	-0.9	0.8
AC+60 38562	WR156	113569	WN8	11.09	109.8240	0.9191	4.59	73	-3.5	1.6	0.2	1.8
E240165		113753	O9.5V	10.12	108.5243	-2.5907	2.90	-131	-5.2	1.2	-0.4	1.4
219286		114685	O9	8.69	110.9606	-0.7672	1.06	-14	-3.2	0.8	0.8	0.8
219460	WR157	114791	WN4.5	9.91	111.3336	-0.2363	3.55	-14	-10.1	4.2	-5.8	4.6
SA191778		115424	O8(f)	10.80	112.7811	1.0210	2.66	47	-5.1	2.4	-1.3	2.3
lsi+60 8		116229	O9.5V	10.94	113.4605	-0.7584	2.50	-33	-3.4	1.9	-3.1	1.8
AS 513	WR158	117034	WN7	11.46	115.0325	0.1042	5.86	10	-3.6	1.6	0.6	1.7
BD+61 2550		117707	B0IV	9.30	116.0811	0.0352	4.10	2	-3.4	0.9	-0.5	0.9
193928	WR141	120155	WN6+O4-5	10.14	75.3283	0.0782	1.82	2	-6.6	1.0	0.5	1.1

Notes: HIP = HIPPARCOS Catalogue number.

V/v - visual magnitude: broadband Hp($\sim$B+V) for OB stars, narrowband continuum v for W-R stars.

All pm's and their errors are given in mas/yr.

Table 1. Right panel, continued

HIP	$(\mu_l)_{pec}$	$(\mu_l)_{pec}/\sigma_{\mu_l}$	$(\mu_b)_{pec}$	$(\mu_b)_{pec}/\sigma_{\mu_b}$	$(v_t)_{pec}$	$\sigma_{(v_t)_{pec}}$	(v_r)	$(v_r)_{pec}$	Remarks
					km/s	km/s	km/s	km/s	
91911	1.9	0.6	-4.0	-1.6	43.2	52.7			
92210	1.2	0.6	2.7	1.7	62.2	71.8	43.0	-16.3	
93626	0.2	0.1	-3.2	-1.3	161.6	247.4			
94289	-3.5	-1.5	-4.5	-1.8	161.0	148.7			
97281	-0.2	-0.2	0.0	0.0	3.9	46.1			SB2, $P_{\rm orb} = 9.6$ d
97456	0.2	0.2	-4.9	-4.6	94.2	50.0			
98298	-3.5	-4.3	-0.2	-0.2	39.0	21.6	-12.5	-10.2	MXRB, $P_{\rm orb} = 5.6$ d
98418	-7.4	-8.9	0.0	0.0	79.5	29.9	41.0	43.6	
98530	0.2	0.3	1.5	3.1	20.1	14.1	39.1	48.3	
99002	-3.4	-3.8	-0.6	-0.7	34.6	20.7			SB2, $P_{\rm orb} = 112.4$ d
99377	-5.1	-8.6	0.0	0.0	50.8	19.3			single? $P_{rot} = 2.3d$
99525	-1.6	-2.7	0.0	0.0	15.7	12.4			
99546	-5.6	-11.1	2.9	5.6	54.2	18.5			
99580	-1.5	-2.7	5.6	10.2	64.2	22.8	-41.2	-33.3	
99769	-1.3	-1.9	0.1	0.2	11.2	12.4			SB2, $P_{\rm orb} \sim 12.6$ yr
99982	-1.8	-1.4	-1.5	-1.1	20.4	23.8			SB1,$P_{\rm orb} \sim 4.2$yr
100214	-0.3	-0.4	1.8	2.6	14.7	12.2			SB2, $P_{\rm orb} = 4.2$ d
100287	-0.6	-1.2	3.9	7.5	25.3	10.1			SB2,$P_{\rm orb} \sim 7.9$yr
102088	-2.7	-2.0	4.6	3.6	194.1	109.7			SB1(+c?), $P_{\rm orb} = 4.3$ d
102449	-0.9	-0.5	-0.3	-0.2	6.9	26.7	-97.0	-84.7	
104316	0.2	0.3	-5.6	-10.0	51.0	18.4	21.6	28.7	
109556	-12.0	-29.4	-2.7	-6.3	29.3	9.0	-70.7	-58.6	var.,$\sim P_{\rm rot}/2 = 0.6$ d
110154	-0.9	-0.9	1.3	1.3	25.9	32.8			SB1+SB1,$P_{\rm orb} = 6.7$ d, 3.4 d
110525	-0.2	-0.3	1.2	1.6	17.1	22.1	-65.0	-32.5	
110836	-1.4	-1.1	1.3	0.9	32.2	46.0			
111633	-1.8	-2.4	-0.5	-0.6	31.4	27.5			SB2, $P_{\rm orb} = 1.6$ d
113569	-0.6	-0.3	0.4	0.2	15.0	74.2			
113753	-2.0	-1.7	0.2	0.1	27.6	33.4	-84.0	-48.8	
114685	-1.2	-1.5	2.0	2.4	11.8	9.1	-66.0	-49.0	
114791	-7.2	-1.7	-5.4	-1.2	151.0	153.1			vis.comp. B0III
115424	-2.3	-0.9	-0.9	-0.4	30.6	61.0	-76.0	-41.6	
116229	-0.7	-0.4	-2.5	-1.4	31.3	43.7	-3.0	29.6	
117034	-1.3	-0.8	0.8	0.5	42.2	93.0			
117707	-1.0	-1.1	-0.2	-0.2	18.8	34.6	-19.0	31.0	
120155	-1.9	-1.8	1.2	1.1	19.3	19.0			SB2, $P_{\rm orb} = 21.7$ d