Table 5a. New redshifts for Centaurus cluster members. Coordinates (1950.0) are given in columns 2 and 3, column 4 gives the Centaurus Cluster Catalogue (Jerjen & Dressler 1996a) reference number. The galaxy morphological type (5), the total blue magnitude (6) and effective surface brightness (7) are taken from this same source, while the probability of being Cen45 cluster member (8) has been derived in Section 5. Please note that if $prob_{45}$=0.00 this automatically implies that the galaxy is a 100% Cen30 member. Column 11 contains the heliocentric radial velocity (cz) and its estimated uncertainty, which results from a weighted average of columns 9 (cross-correlation redshift) and column 10 (emission line redshift).

Seq (1)	RA (2)	Dec (3)	CCC (4)	Type (5)	B_T (6)	SB_{eff} (7)	$prob_{45}$ (8)	V_{ccf} (9)	V_{emi} (10)	V (11)
1	12 44 44.68	−41 22 39.0	1	dE,N	17.09	22.7	0.00	3527±59		3527±59
3	12 44 47.86	−40 51 33.0	6	Im	16.65	23.2	0.00		3848±50	3848±50
5	12 44 59.61	−40 52 59.0	11	dS0:N	17.75	23.3	0.00	2750±43		2750±43
7	12 45 03.75	−40 43 33.9	13	dS0,N	16.83	22.5	0.00	3026±29		3026±29
13	12 45 22.85	−41 35 26.0	32	Im	16.98	23.5	0.00	2737±28		2737±28
15	12 45 29.58	−41 26 36.0	38	dE,N	18.10	23.9	0.00	3925±45		3925±45
16	12 45 30.24	−41 02 35.0	41	Im	18.75	23.9	0.00		4278±58	4278±58
22	12 45 50.31	−41 10 02.9	58	dE	17.94	24.1	0.00	3304±60		3304±60
23	12 45 53.96	−40 59 44.0	61	dE,N	17.43	23.8	0.00	2910±67		2910±67
28	12 46 14.60	−40 42 02.0	73	SBm	16.90	23.6	0.88		4823±50	4823±50
30	12 46 16.08	−40 59 14.0	75	dE,N	18.06	23.2	0.00	1958±71		1958±71
34	12 46 23.88	−40 55 14.0	84	dS0	17.73	23.7	0.00	3122±29		3122±29
36	12 46 28.05	−41 27 32.9	88	dE,N	18.06		0.00	2848±26		2848±26
38	12 46 36.81	−40 58 58.0	91	dE	19.40	24.8	0.00	3652±61		3652±61
42	12 46 44.21	−41 08 55.0	97	dE,N	18.70	23.7	0.00	2818±30		2818±30
47	12 46 53.03	−41 32 14.0	109	Im	19.48	24.8	0.00	3545±60		3545±60
48	12 46 54.00	−41 05 38.9	111	dE,N	16.94	23.8	0.00	2880±40		2880±40
49	12 46 56.04	−40 57 23.9	113	E	17.33	22.6	0.00	3715±26		3715±26
52	12 47 06.75	−40 34 29.0	120	dS0	17.00	23.3	0.00	3106±28		3106±28
53	12 47 08.06	−41 04 03.0	121	Im	18.36	24.3	0.88	4739±70		4739±70
55	12 47 10.02	−41 07 43.9	123	dS0	18.45	24.0	0.82	4661±69		4661±69
56	12 47 10.38	−40 59 16.9	125	dE,N	17.14	23.8	0.00	2880±35		2880±35
64	12 47 34.73	−41 23 31.0	146	dE	17.77	23.7	0.00	2675±53		2675±53
65	12 47 37.96	−41 01 28.9	150	dE,N	18.23	24.5	0.13	4426±46		4426±46
71	12 48 12.00	−41 06 26.0	172	dE,N	18.21	24.6	0.86	4844±45		4844±45
72	12 48 12.65	−41 13 22.9	173	Im	18.30	24.1	0.00	2139±36		2139±36
82	12 48 51.43	−40 53 59.0	193	Sc	17.51	23.4	0.76	4924±56		4924±56
83	12 48 53.30	−41 12 39.0	196	Im	18.10	24.3	0.83		4879±58	4879±58
88	12 49 06.16	−41 26 10.0	209	dE	18.32	24.2	0.00	3535±76		3535±76
91	12 49 14.16	−40 52 15.0	212	Im	19.06		0.00	2085±39		2085±39
94	12 49 15.44	−41 08 49.9	215	dE	19.50	24.6	0.00	3329±76		3329±76
96	12 49 18.24	−40 38 05.9	219	Im	17.10	23.5	0.00		3284±71	3284±71
103	12 49 34.13	−41 28 48.0	228	dE,N	18.09	24.1	0.00	3212±62		3212±62
104	12 49 35.37	−40 53 47.0	230	Im	17.94	24.4	0.83		4881±45	4881±45
106	12 49 48.10	−40 57 16.0	239	Im	18.00	24.4	0.64		4971±71	4971±71
112	12 51 15.00	−41 07 31.0	277	Sc	16.54	22.1	0.17	4441±73		4441±73

Table 5b. New redshifts of background galaxies. Coordinates (1950.0) are given in columns 2 and 3, column 4 gives the Centaurus Cluster Catalogue (Jerjen & Dressler 1996a) reference number. The galaxy morphological type (5), the total blue magnitude (6) and effective surface brightness (7) are taken from this same source. Column 10 contains the heliocentric radial velocity (cz) and its estimated uncertainty, which results from a weighted average of columns 8 (cross-correlation redshift) and column 9 (emission line redshift).

Seq (1)	RA (2)	Dec (3)	CCC (4)	$B_{\rm T}$ (5)	$SB_{\rm eff}$ (6)	$V_{\rm ccf}$ (7)	$V_{\rm emi}$ (8)	V (9)
6	12 45 00.98	−40 56 44.0	12	18.82	24.4	38469±66		38469±66
14	12 45 26.04	−40 16 07.9	33	17.49	23.1	14702±81	14706±58	14705±47
18	12 45 36.96	−41 25 31.0	44	19.76	24.3		21123±50	21123±50
21	12 45 49.10	−41 27 29.9	56	18.90	24.8	13792±84		13792±84
29	12 46 15.02	−41 09 21.0	74	18.76	23.7	16514±64		16514±64
39	12 46 38.54	−40 21 50.0	92	17.70	23.5		10746±58	10746±58
57	12 47 14.58	−41 27 06.0	127	17.85	23.6	16362±45		16362±45
58	12 47 15.19	−41 10 30.0	128	19.28	24.2	46615±85		46615±85
63	12 47 31.28	−41 01 54.9	142	18.40	24.0	20843±56		20843±56
74	12 48 27.17	−40 32 34.9	179	17.27	22.6	14863±61	14878±58	14871±42
76	12 48 31.57	−41 00 13.0	182	18.01	23.3		10679±38	10679±38
77	12 48 41.55	−40 27 12.9	186	17.98	22.6	27387±91	27371±58	27376±49
92	12 49 14.18	−40 18 54.0	213	17.23	23.5	15916±44		15916±44
97	12 49 18.44	−41 22 21.0	220	17.93	23.1		19439±50	19439±50

Table 5c. Reobserved redshifts for Centaurus cluster members. Coordinates (1950.0) are given in columns 2 and 3, column 4 gives the Centaurus Cluster Catalogue (Jerjen & Dressler 1996a) reference number. The galaxy morphological type (5), the total blue magnitude (6) and effective surface brightness (7) are taken from this same source, while the probability of being Cen45 cluster member (8) has been derived in Section 5. Please note that if $prob_{45}$=0.00 this automatically implies that the galaxy is a 100% Cen30 member. Column 11 contains the heliocentric radial velocity (cz) and its estimated uncertainty, which results from a weighted average of columns 9 (cross-correlation redshift) and column 10 (emission line redshift).

Seq (1)	RA (2)	Dec (3)	CCC (4)	Type (5)	B_T (6)	SB_{eff} (7)	$prob_{45}$ (8)	V_{ccf} (9)	V_{emi} (10)	V (11)
2	12 44 46.32	−40 59 22.0	4	S0	16.93	22.1	0.00	2704±61	2714±58	2709±42
4	12 44 56.98	−41 15 21.9	8	SB0	14.03	21.5	0.00	3531±25		3531±25
8	12 45 10.56	−40 38 53.0	17	S0	15.95	22.4	0.00	3874±70		3874±70
9	12 45 14.22	−40 56 49.2	19	d:S0	15.82	22.1	0.00	4059±19		4059±19
10	12 45 16.54	−41 01 57.5	22	dE	17.94	23.5	0.00	2433±33		2433±33
11	12 45 16.76	−40 19 19.0	24	SBd	15.21	22.5	0.00		4017±58	4017±58
12	12 45 19.01	−40 56 29.9	26	SBc	16.06	22.4	0.00	1414±77		1414±77
17	12 45 35.56	−41 26 28.9	43	S0	14.05	20.6	0.00	2647±25		2647±25
19	12 45 37.24	−40 51 03.2	45	E	14.93	20.8	0.00	3681±49		3681±49
20	12 45 45.33	−41 02 02.8	54	E	15.90	20.3	0.00	2958±44		2958±44
24	12 45 57.41	−41 22 15.9	62	S0	15.37	21.8	0.00	2193±19		2193±19
25	12 46 03.51	−41 02 18.9	65	E/S0	11.32	22.6	0.00	2985±31		2985±31
26	12 46 08.09	−41 02 48.0	70	E	15.64	18.3	0.00	2317±20		2317±20
27	12 46 09.66	−40 18 33.0	71	S0	14.76	21.3	0.00	3541±25		3541±25
31	12 46 17.22	−41 07 10.7	76	dS0	16.41	21.8	0.00	5298±28		5298±28
32	12 46 18.34	−41 03 59.9	77	Sc	15.99	23.2	0.00	3513±34		3513±34
33	12 46 20.34	−41 33 35.9	80	S0	14.78	21.8	0.13	4422±23		4422±23
35	12 46 26.03	−41 16 21.5	85	SBa	15.07	22.5	0.00	2839±20		2839±20
37	12 46 32.63	−41 03 48.0	89	E	15.77	20.0	0.00	3104±19		3104±19
40	12 46 39.53	−41 09 25.0	94	dS0,N	16.67	23.2	0.00	4076±29		4076±29
41	12 46 40.18	−41 13 03.0	95	SB0	14.56	21.7	0.00	4222±21		4222±21
43	12 46 46.81	−41 37 43.0	102	S0	14.65	22.4	0.00	3347±23		3347±23
44	12 46 48.55	−40 46 59.0	103	S0	14.41	20.4	0.00	1990±24		1990±24
45	12 46 51.82	−41 06 57.1	106	SB0/a	14.62	21.7	0.00	3677±19		3677±19
46	12 46 52.56	−40 48 58.7	108	E	16.11	19.9	0.00	3263±36		3263±36
50	12 46 56.15	−40 24 51.9	114	SBb	15.78	23.0	0.00	2242±24		2242±24
51	12 47 05.57	−40 57 14.0	119	E	14.64	20.3	0.00	2101±23		2101±23
54	12 47 08.12	−41 00 26.3	122	S0/a	14.18	21.6	0.00	3845±23		3845±23
59	12 47 17.90	−41 06 35.9	130	E	12.43	22.6	0.76	4624±25		4624±25
60	12 47 21.59	−41 07 32.9	134	E	15.04	20.6	0.66	4966±31		4966±31
61	12 47 25.40	−40 56 57.2	135	E	15.35	20.6	0.00	2908±26		2908±26
62	12 47 26.12	−41 14 36.0	137	S0	14.03	20.4	0.00	2384±24		2384±24
66	12 47 38.33	−40 34 26.9	151	Sa	14.27	22.2	0.79	4640±20		4640±20
67	12 47 48.05	−41 11 58.0	158	S0	14.77	21.3	0.01	5249±24		5249±24
68	12 48 00.14	−41 37 20.9	165	S0	14.87	20.7	0.89	4758±25		4758±25
69	12 48 11.13	−41 07 28.9	170	S0	15.24	20.4	0.25	4466±19		4466±19
70	12 48 11.30	−40 36 53.0	171	BCD	16.76	22.3	0.60	4562±22		4562±22
73	12 48 14.65	−41 27 01.9	175	E	14.65	21.7	0.00	2469±23		2469±23
75	12 48 31.55	−40 32 50.0	181	SB0	14.76	21.8	0.00	3391±23		3391±23
78	12 48 42.69	−41 34 20.9	187	d:S0	15.99	22.3	0.00	1826±19		1826±19
79	12 48 46.40	−40 57 21.5	189	Sc	15.02	21.3	0.89	4771±24		4771±24
80	12 48 49.76	−41 13 14.4	190	dS0,N	16.11	21.7	0.00	4048±23		4048±23
81	12 48 50.78	−41 01 54.7	191	S0	15.32	21.1	0.00	3467±22		3467±22
84	12 48 59.52	−40 59 42.7	203	dS0	16.72	21.7	0.08	4400±20		4400±20
85	12 49 01.57	−40 43 19.9	205	S0	15.95	22.1	0.00	2563±47		2563±47

(cont.)

Seq (1)	RA (2)	Dec (3)	CCC (4)	Type (5)	B_T (6)	SB_{eff} (7)	$prob_{45}$ (8)	V_{ccf} (9)	V_{emi} (10)	V (11)
86	12 49 04.27	−40 54 52.8	207	E	16.01	21.0	0.87	4712±18		4712±18
87	12 49 04.70	−41 09 38.3	208	dE,N	17.44	23.3	0.00	3624±22		3624±22
89	12 49 09.74	−41 16 02.8	210	SB0	15.16	21.7	0.00	3675±19		3675±19
90	12 49 13.97	−40 52 32.2	211	S0	14.09	22.1	0.00	2025±26		2025±26
93	12 49 14.56	−41 00 28.0	214	Sc	14.73	22.6	0.89	4806±32	4757±50	4792±27
95	12 49 16.48	−41 11 17.6	217	SB0	14.04	21.1	0.00	3950±22		3950±22
98	12 49 26.21	−41 04 02.8	222	Sc	14.74	23.2	0.17	5107±31		5107±31
99	12 49 28.70	−41 12 19.0	224	dS0	16.49	23.5	0.00	3037±26		3037±26
100	12 49 29.06	−40 59 15.5	225	S0	15.71	22.5	0.00	3459±23		3459±23
101	12 49 29.31	−41 07 08.6	226	S0/a	14.08	21.7	0.00	2968±23		2968±23
102	12 49 33.02	−40 47 22.0	227	SBa	13.60	22.2	0.00	3389±26		3389±26
105	12 49 39.54	−40 26 13.0	236	SB0	14.32	22.0	0.18	4445±21		4445±21
107	12 49 54.27	−40 57 31.0	242	S0	15.46	19.3	0.85	4858±23		4858±23
108	12 50 18.65	−40 33 13.9	255	S0	15.92	20.6	0.87	4831±22		4831±22
109	12 50 27.27	−40 52 10.6	260	dE,N	17.59	23.9	0.00	2766±43		2766±43
110	12 50 39.31	−40 55 59.9	266	E	13.08	21.4	0.01	4314±23		4314±23
111	12 50 55.53	−40 45 32.0	272	Im/BCD	16.51	23.0	0.00	4215±48		4215±48
113	12 51 19.19	−40 37 47.9	279	S0	15.67	20.7	0.00	3024±17		3024±17
114	12 51 41.30	−40 53 12.0	284	Sd	15.86	21.7	0.02	4367±41	4319±58	4351±34
115	12 52 10.47	−40 42 48.9	290	E	16.31	21.7	0.02	4344±19		4344±19

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