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A COMPILATION OF REDSHIFTS AND VELOCITY DISPERSIONS FOR ACO CLUSTERS

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ABSTRACT

We present a compilation of redshifts for 1572 Abell, Corwin, & Olowin (ACO) clusters, referenced to both the heliocentric and cosmic background radiation reference frames, and 395 velocity dispersions corrected to the reference frame of the cluster, available from the literature as of 1998 December. We present an additional list of 81 ACO clusters with published redshifts which are probably those of galaxies or groups superimposed on, or near, the ACO cluster position.

Subject headings: galaxies: clusters: general — galaxies: distances and redshifts

1. INTRODUCTION

Published compilations of redshifts of clusters of galaxies were initiated by Noonan (1973), who listed both Abell (1958) clusters and clusters from other catalogs, and Corwin (1974), who listed only Abell clusters. Subsequent compilations continued this trend of exclusively listing Abell clusters (see Sarazin, Rood, & Struble 1982, hereafter SRS; Struble & Rood 1987, hereafter SR1; Struble & Rood 1991a, hereafter SR2), or both types [see Noonan 1981; Fetisova 1982, hereafter Fet) Schmidt 1986]. Unpublished compilations of either type are also available (see Andernach 1989; Peacock & West 1992; Lebedev & Lebedeva 1992).

2. THE LISTING

The current compilation is intended to include redshift data up to the end of 1998, updating our previous list (SR2) to include southern rich clusters in Table 3 of Abell, Corwin, & Olowin (1989, hereafter ACO). Redshifts of several southern clusters were identified by one of the authors (M. F. S.) by comparing ACO positions and distance classes with those in the APM Cluster Catalog (Dalton et al. 1997), and from galaxies in the redshift survey of Vettolani et al. (1998).

The observed helicentric redshift (fractional displacement of spectral lines) $\bar{z}_h$ defines the average radial velocity V_h of N_z cluster members in units of the vacuum speed of light c with respect to the centroid of the solar system,and $\bar{z}_C$ is the redshift corrected to the velocity centroid of the 3° cosmic background radiation, V_C, the currently preferred reference frame for extragalactic studies (de Vaucouleurs et al. 1991, hereafter RC3):

$$V_C = V_h - 351 \cos \alpha \cos \delta + 70 \sin \alpha \cos \delta - 35 \sin \delta ,$$

where right ascension and declination, α and δ, respectively, are referenced to epoch 1950.0 and taken from ACO. Below we will use $\bar{z}$ to indicate $\bar{z}_h$ and $\bar{z}_C$ collectively. For the small number of references that do not state the reference frame of their published galaxy velocities or of cluster redshifts, we assume velocity data are heliocentric. For cluster redshifts published only with respect to the Local Group (see de Vaucouleurs, & Corwin 1976), we obtain $\bar{z}_h$ using ACO's α and δ. Note also that published redshifts with three or fewer significant figures are all quoted as $\bar{z}_h$, but that values of $\bar{z}_C$ derived therefrom are given to four figures.

The cluster's velocity dispersion in the frame of the observer, $\sigma_{\rm obs}$, is the rms radial velocity V_C of the cluster members relative to the average, $\bar{V}_C$. The corrected velocity dispersion (i.e. in the frame of the cluster) $\sigma_{\rm corr}$ is related to $\sigma_{\rm obs}$ to first order in c (Harrison 1974; Gross 1977; Faber & Dressler 1977) by

$$\sigma_{\rm corr} = \frac{\sigma_{\rm obs}}{1 + \bar{z}_C} .$$

Table 1 presents the listing; the columns contain the following data:

Column (1).—ACO number; asterisks denote membership in Abell's (1958) nonstatistical sample. Note that ACO does not designate a statistical sample for A2713–A4076.

Column (2).—Adopted heliocentric redshift, $\bar{z}_h$.

Column (3).—Flag indicating the accuracy a of $\bar{z}_h$ in the original references; 2 or 3 indicates a redshift given to two or three decimal places, respectively; a blank indicates four decimal places.

Column (4).—Redshift with respect to the cosmic background radiation, $\bar{z}_C$, derived from $\bar{z}_h$ and given to four significant figures.

Column (5).—Number of cluster members with published redshift, N_z, used to determine the cluster's $\bar{z}_h$ and $\sigma_{\rm corr}$. The notation >0, >1, etc., reflects the ambiguity in the number of velocities used to determine redshifts in the original references. See § 3 for further discussion. Note that some references (see Refs. 21, 221, and 225) do not list N_z.

Column (6).—Adopted velocity dispersion, $\sigma_{\rm corr}$, in the rest frame of the cluster, in units of km s^{-1}.

Column (7).—Code for the reference sources for $\bar{z}$ and $\sigma_{\rm corr}$; these numerical codes are listed at the end of Table 2. Note that only new references are included in this paper; refer to SR1 and SR2 for reference code numbers below 118.

Column (8).—Designation indicating either a new comment in Table 2 (N) (i.e., not given in SR2, or revisions to comments in SR2), or a comment in SR2 which is not repeated herein (n).

In contrast to our previous compilations, we do *not* list data for subclusters or superposed clusters in Table 1. This auxiliary information is now included in Table 2.

Table 1 can be accessed from the Internet[3].

3. ADDITIONAL COMMENTS

It is usually, but not always, true that the $\bar{z}$ derived from a given N_z is for that number of separate galaxies. The

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[3] ftp://ftp.sns.ias.edu/pub/rood/aco.z99

TABLE 1

REDSHIFTS AND VELOCITY DISPERSIONS FOR ACO CLUSTERS

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
1	0.1249		0.1237	1		Fet	0
2	0.1227		0.1215	1		144	0
3	0.1017		0.1005	1		144	0
7	0.1062		0.1050	2		91	0
10	0.1858		0.1846	2		142	0
12	0.1255		0.1243	1		142	0
13	0.0943		0.0931	37	886	149, 180	N
14*	0.0655		0.0643	9	677	224	N
15	0.1241		0.1229	3		186	N
16	0.0843		0.0831	>0		35	0
17	0.0888		0.0876	1		144	0
19	0.1876		0.1864	1		142	0
21*	0.0946		0.0934	11	621	117	n
22	0.1410		0.1398	3		91	0
23*	0.1052		0.1040	>0		35	0
24	0.1338		0.1326	1		24	0
26*	0.1461		0.1449	2		125	0
27*	0.0542		0.0530	2		146	0
28	0.1850		0.1838	2		142	0
31	0.1596		0.1584	2		24	0
34	0.1316		0.1304	>0		133, 144	0
37	0.1671		0.1659	1		144	0
38	0.1414		0.1402	1		144	0
41	0.2770	3	0.2758	1		24, 21	0
42	0.1129		0.1117	4		186	N
43*	0.1114		0.1102	1		26	0
44	0.1400		0.1388	1		144	0
46	0.1500	3	0.1488	2		24	0
47	0.1382		0.1370	1		144	0
49	0.1574		0.1562	1		144	0
50	0.2050	3	0.2038	1		221	N
55*	0.1339		0.1327	1		146	0
63*	0.1082		0.1070	2		121	0
64	0.1496		0.1484	1		125	0
65	0.1218		0.1206	1		125	0
66*	0.1369		0.1357	2		125	0
67	0.1370		0.1358	1		144	0
68	0.2550	3	0.2538	>0		203	0
69	0.1454		0.1442	1		146	0
71*	0.0724		0.0712	2		10	0
72*	0.0886		0.0874	2		121	0
74*	0.0651		0.0639	6	700	96, 145	0
75*	0.0626		0.0614	4		10, 40	0
76*	0.0405		0.0393	9	492	224	N
77	0.0708		0.0696	3		208	0
79	0.0927		0.0915	1		26	0
80	0.1118		0.1106	4		186	N
84	0.1030		0.1018	>1		34, 35	0
85	0.0555		0.0543	308	969	131, 193, 209	N
86*	0.0634		0.0622	7	617	96, 126	0
87	0.0550		0.0538	27	859	149, 180	N
88	0.1125		0.1113	8	354	186	N
89*	0.1371		0.1359	2		125, 210	N
90	0.1423		0.1411	1		142	N
91	0.1278		0.1266	1		144	0
95	0.1119		0.1107	>0		35	0
96*	0.1344		0.1332	1		24	0
98	0.1042		0.1030	24	883	48	0
101	0.1169		0.1157	3		142, 144	0
102*	0.0653		0.0641	6	628	224	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
103	0.1934		0.1922	2		142	0
104	0.0821		0.0809	14	732	200	0
108	0.1019		0.1007	2		142	0
111	0.1613		0.1601	2		142	0
113	0.1923		0.1911	1		142	0
114*	0.0587		0.0575	14	517	102	0
115	0.1971		0.1959	8	1167	25	N
116*	0.0665		0.0653	>3		10, 35	0
117*	0.0535		0.0523	3		10, 40	0
118	0.1148		0.1136	30	649	180	N
119	0.0442		0.0430	125	740	180	N
121	0.0550		0.0538	2		200	0
122	0.1128		0.1116	>0		125, 144	0
123	0.0959		0.0947	2		144	0
125	0.1880	3	0.1868	1		50	0
126	0.0546		0.0534	8	465	200	0
129	0.1507		0.1495	2		142, 144	0
133*	0.0566		0.0554	7	623	117, 47	N
134*	0.0699		0.0687	>2		10, 35	0
136	0.1569		0.1557	1		26	0
140	0.1607		0.1595	8	902	186	N
141	0.2300	3	0.2288	0		143	0
144	0.2047		0.2035	1		144	0
145	0.1912		0.1900	>0		142, 144	0
146	0.1878		0.1866	1		144	0
147*	0.0447		0.0435	11	387	119, 224	N
150	0.0588		0.0576	5	626	200	0
151	0.0533		0.0521	63	669	180	N
152*	0.0581		0.0569	3		125	0
153	0.1279		0.1267	>1		142, 144	0
154	0.0636		0.0624	41	868	105, 117, 120	0
157	0.1034		0.1022	>1		125	0
158*	0.0645		0.0633	7	307	77	N
160*	0.0447		0.0435	10	572	9, 65	0
161*	0.0758		0.0746	3		121	0
162	0.1273		0.1261	4	924	200	0
166	0.1156		0.1144	1		0	0
168	0.0450		0.0438	76	517	180	N
171*	0.0706		0.0694	>4	560	9, 35	n
172	0.1251		0.1239	1		144	0
174*	0.0758		0.0746	2		121	0
175	0.1292		0.1280	>0		35	0
178	0.1935		0.1923	1		144	0
179*	0.0547		0.0535	3		Fet	0
180*	0.1350	3	0.1338	1		Fet	0
183*	0.1116		0.1104	1		121	0
186	0.1029		0.1017	2		31	n
188	0.1230		0.1218	2		31	0
189	0.0328		0.0316	10	259	102	n
190*	0.1015		0.1003	3		31	0
192	0.1219		0.1207	>0		125, 144	0
193	0.0488		0.0476	56	715	139	n
194*	0.0180		0.0168	146	398	202	0
195*	0.0430		0.0418	12	507	224	0
201*	0.1105		0.1093	1		125	0
202	0.1500		0.1488	2		142	0
204	0.1557		0.1545	1		31	n
208*	0.0798		0.0786	>0		133	0
209	0.2060	3	0.2048	2		Fet	0
211	0.1368		0.1356	3		142, 144	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
214	0.1597		0.1585	1		144	0
216	0.1158		0.1146	1		31	0
217	0.1126		0.1114	2		31	0
222	0.2130	3	0.2118	6	570	85	0
223	0.2070	3	0.2058	4		66	0
224	0.1617		0.1605	2		31	0
225	0.0687		0.0675	5	608	200	0
226	0.1283		0.1271	2		31	0
227	0.1768		0.1756	1		144	0
228*	0.1289		0.1277	3		31	0
229	0.1139		0.1127	32	856	180	N
232	0.1875		0.1863	2		31	0
234	0.1731		0.1719	1		24	0
236	0.1874		0.1862	2		31	0
240*	0.0612		0.0600	4		Fet, 146	0
242	0.2496		0.2484	1		144	0
243*	0.1117		0.1105	4		31	0
245*	0.0790		0.0778	2		Fet	0
246	0.0700		0.0688	2		Fet	0
254	0.1578		0.1566	1		142	0
256	0.0885		0.0873	11	545	140, 193	0
257	0.0703		0.0691	>1		35, 146	0
259*	0.1273		0.1261	3		31	0
260*	0.0363		0.0351	18		119	N
261	0.0469		0.0457	>3		148, 144	0
262*	0.0163		0.0151	151	588	224	N
264	0.1440	3	0.1428	1		221	N
265	0.1299		0.1287	2		142	0
266*	0.0951		0.0939	2		79	0
267*	0.2300	3	0.2288	1		141	0
272*	0.0877		0.0865	14	691	24	0
274	0.1282		0.1270	5	935	200	0
276*	0.0818		0.0806	2		121	0
277	0.0949		0.0937	5	740	200	0
278*	0.0891		0.0879	1		24	0
279	0.0797		0.0785	1		26	0
281*	0.0880	3	0.0868	>0		35	0
286	0.1603		0.1591	>0		142	0
289	0.2048		0.2036	2		144	0
290*	0.1507		0.1495	1		121	0
291*	0.1970	3	0.1958	1		141	0
292*	0.0664		0.0652	3		121	0
293	0.1631		0.1619	1		42	0
294	0.0783		0.0771	1		144	N
295	0.0427		0.0415	47	359	140, 193	0
303	0.0621		0.0609	>4	1493	149, 200	N
306	0.2165		0.2153	1		144	0
311*	0.0661		0.0649	1		121	0
315	0.1754		0.1742	1		142	0
319	0.1446		0.1434	1		144	N
326*	0.0559		0.0547	>1		26, 91, 128, 144	0
347*	0.0184		0.0172	75	777	224	0
348	0.2740	3	0.2728	1		24	0
353	0.1636		0.1624	1		144	0
356	0.1960		0.1948	2		142	0
358*	0.0576		0.0564	2		10	0
359	0.2448		0.2436	2		142	0
360	0.2205		0.2193	1		144	0
364	0.1800		0.1788	1		220	N
367	0.0907		0.0895	27	963	149, 180	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
370*	0.3750	3	0.3738	40	1364	74, 85	0
371	0.0961		0.0949	2		144	0
372*	0.1073		0.1061	1		75	0
376*	0.0484		0.0472	14	519	224	0
380	0.1337		0.1325	25	703	149, 180	0
381	0.1794		0.1782	2		142	0
383	0.1871		0.1859	1		142	0
388	0.1342		0.1330	1		142	0
389	0.1133		0.1121	8	765	144, 186	N
394	0.2061		0.2049	1		144	0
395	0.1478		0.1466	2		144	0
396*	0.0928		0.0916	1		125	0
397*	0.0327		0.0315	46	566	224	N
399	0.0724		0.0712	115	1186	172, 139	0
400	0.0244		0.0232	115	663	224	N
401	0.0737		0.0725	123	1130	139	0
403	0.1033		0.1021	>1		24, 35	0
404*	0.0622		0.0610	1		75	0
407*	0.0462		0.0450	34	769	224	0
409	0.1530	3	0.1518	1		141	0
410	0.0897		0.0885	1		26	0
411	0.1567		0.1555	1		144	0
415	0.0805		0.0793	5	525	200	0
416	0.1060	3	0.1048	3		145	0
419*	0.0662		0.0650	2		121	N
420	0.0858		0.0846	19	514	149, 180	N
423	0.0791		0.0779	7		200	N
426*	0.0179		0.0167	192	1324	224	0
428*	0.0666		0.0654	3		121	0
432	0.2026		0.2014	2		144	0
437*	0.0847		0.0835	3		121	0
438	0.1761		0.1749	1		144	N
439*	0.1068		0.1056	>1		24, 34	n
447	0.1123		0.1111	1		144	0
449*	0.0803		0.0791	4		42	0
450*	0.0607		0.0595	1		42	0
458	0.1057		0.1045	30	736	102, 193	0
462	0.1490	3	0.1478	2		145	0
464	0.1462		0.1450	>0		144	0
465	0.1300	3	0.1288	>0		215	0
468*	0.1325		0.1313	1		24	0
478*	0.0881		0.0869	13	904	102	0
483	0.2800	2	0.2788	>0		107	0
484	0.0386		0.0374	4		12	0
493*	0.1152		0.1140	1		75	0
496	0.0329		0.0317	138	714	131	N
500	0.0670	3	0.0658	<4		195	0
501*	0.1516		0.1504	1		146	0
505*	0.0547		0.0535	4	286	224	0
506	0.1561		0.1549	3		31	0
507	0.2810	3	0.2798	1		125	0
508	0.1479		0.1467	3		60	0
509	0.0836		0.0824	1		38	0
510	0.1813		0.1801	2		144	N
511*	0.1150	3	0.1138	2		145	0
513*	0.1491		0.1479	1		31	N
514	0.0713		0.0701	82	874	149, 180	0
516	0.1407		0.1395	2		31	0
517	0.2244		0.2232	1		31	0
518	0.1804		0.1792	4		31, 60	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
520*	0.1990	3	0.1978	>3		75, 201	0
523*	0.1000		0.0988	>0		226	0
524	0.0779		0.0767	26	822	149, 180	N
526*	0.0835		0.0823	7	336	200	N
527*	0.0794		0.0782	2		42	N
528*	0.2896		0.2884	1		31	0
531	0.0940	3	0.0928	1		141	0
533*	0.0467		0.0455	>3		148	N
536	0.0398		0.0386	1		91	N
539*	0.0284		0.0272	160	629	89, 193	N
543	0.0850		0.0838	10	413	149, 180	0
545*	0.1540	3	0.1528	2		26	0
548*	0.0416		0.0404	323	842	180	N
553*	0.0664		0.0652	5	556	224	0
559*	0.0757		0.0745	5		42	0
562	0.1100	3	0.1088	1		34	0
564*	0.0778		0.0766	4	113	200	0
565	0.1053		0.1041	9	513	200	0
566*	0.0973		0.0961	9	682	200, 20	0
568*	0.0761		0.0749	5	787	224	0
569*	0.0201		0.0189	39	327	123, 193	N
576*	0.0389		0.0377	248	1135	224	N
578*	0.0866		0.0854	2		146	N
582*	0.0582		0.0570	3		121	0
586*	0.1710	3	0.1698	1		Fet	0
587*	0.1680	3	0.1668	3		124	0
588	0.1600	3	0.1588	0		21	0
591	0.1178		0.1166	6	578	200	0
592*	0.0628		0.0616	3		224	0
593	0.2260	3	0.2248	1		24	0
595*	0.0666		0.0654	3		10	N
600*	0.0775		0.0763	3		121	0
602*	0.0619		0.0607	3		121	0
604*	0.1190	3	0.1178	5		215	0
607*	0.0690		0.0678	>0		133	0
608	0.1236		0.1224	>0		125	0
610*	0.0954		0.0942	2		121	0
611*	0.2880	3	0.2868	1		141	0
612*	0.0773		0.0761	1		121	0
614*	0.1432		0.1420	1		146	0
618	0.1190	3	0.1178	>0		215	0
621	0.2230	3	0.2218	1		141	0
623*	0.0902		0.0890	3		75	0
628*	0.0834		0.0822	3		77, 146	0
629	0.1460	3	0.1448	7		215	N
634*	0.0265		0.0253	56	391	224	0
636*	0.0874		0.0862	>0		125	0
639	0.2910	3	0.2898	1		Fet	0
643*	0.1890		0.1878	1		75	0
644*	0.0704		0.0692	5		47	n
646*	0.1292		0.1280	2		0, 146	0
652*	0.1935		0.1923	2		18	0
655	0.1265		0.1253	2		24	0
658*	0.0917		0.0905	2		144	0
663*	0.1700	3	0.1688	1		125	0
665	0.1819		0.1807	33	1201	115	0
667*	0.1450	3	0.1438	1		141	0
668	0.1588		0.1576	1		125	0
671*	0.0502		0.0490	41	1043	224	0
680	0.0790	3	0.0778	1		0	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
689*	0.2793	3	0.2781	>0		226	0
690	0.0788		0.0776	1		10	0
692*	0.0894		0.0882	3		121	0
695	0.0687		0.0675	2		24, 46	0
697	0.2820	3	0.2808	1		141	0
699	0.0851		0.0839	9	407	200	N
714	0.1396		0.1384	6	336	200	0
719	0.2458		0.2446	1		125	0
720	0.1329		0.1317	1		144	N
722*	0.0894		0.0882	3		125	0
724	0.0933		0.0921	9	287	200	0
725*	0.0904		0.0892	1		146	0
727	0.0951		0.0939	10	494	200	0
731*	0.1725		0.1713	>0		133	0
732	0.2030		0.2018	3		24	0
733	0.1159		0.1147	1		26	0
734	0.0719		0.0707	2		144	0
738	0.2143		0.2131	1		31	N
739	0.1722		0.1710	1		146	0
744*	0.0729		0.0717	20	812	41	0
750	0.1800	3	0.1788	>0		206	N
754*	0.0542		0.0530	92	931	224	0
756	0.1176		0.1164	1		146	0
757*	0.0517		0.0505	>3		10, 77, 146	0
761*	0.0916		0.0904	2		141, 146	0
762*	0.1332		0.1320	2		Fet	0
763	0.0847		0.0835	5		121	0
765	0.1327		0.1315	1		125	0
769	0.1410		0.1398	6	1123	200	0
773	0.2170	3	0.2158	2		141	0
775	0.1334		0.1322	1		144	0
777	0.2210	3	0.2198	3		26, 85	0
779*	0.0229		0.0217	54	339	217	N
780*	0.0539		0.0527	4		0, 77, 146	N
781	0.2980	3	0.2968	>0		203	0
784	0.1236		0.1224	1		Fet	0
786*	0.1241		0.1229	3		Fet	0
787	0.1352		0.1340	3		Fet	0
788	0.1349		0.1337	2		125	0
795	0.1359		0.1347	2		24, 21	0
797	0.1165		0.1153	5	824	200	0
801	0.1918		0.1906	1		24	0
809*	0.1252		0.1240	1		125	0
814	0.1503		0.1491	1		125	0
818*	0.1213		0.1201	3		121	0
819*	0.0759		0.0747	1		26	0
830	0.2154		0.2142	1		144	0
834*	0.0709		0.0697	5		121	0
838*	0.0502		0.0490	4		0, 77, 144	0
841*	0.0696		0.0684	2		121	0
848*	0.1215		0.1203	1		125	0
849*	0.2256		0.2244	1		146	0
851*	0.4069		0.4057	31	864	190	N
854	0.2072		0.2060	1		24, Fet	0
858*	0.0863		0.0851	2		26, 146	0
864	0.1850	3	0.1838	>0		21	0
868*	0.1530	3	0.1518	1		24	0
869*	0.1174		0.1162	1		146	0
873	0.1820	3	0.1808	1		24	0
878	0.0904		0.0892	8	508	200	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
882*	0.1407		0.1395	2		144	0
883	0.0729		0.0717	14	700	144, 200	0
895	0.3600	3	0.3588	0		21	0
899	0.2000	2	0.1988	>0		212	0
908*	0.3660	3	0.3648	>0		21	0
909	0.2953		0.2941	2		110	0
910	0.2055		0.2043	2		26	0
912*	0.0446		0.0434	>3		148, 121	N
913	0.1675		0.1663	1		19	N
914	0.1946		0.1934	3		110	0
915	0.1484		0.1472	2		125	0
917	0.1324		0.1312	3		110	0
918	0.1666		0.1654	1		110	0
919	0.0954		0.0942	2		144	N
922	0.1895		0.1883	3		110	0
923	0.1162		0.1150	1		24	0
924	0.0989		0.0977	1		0	0
927	0.2183		0.2171	3		125	0
930*	0.0549		0.0537	3		121	0
933*	0.0956		0.0944	4		77, 146	0
941	0.1044		0.1032	1		144	0
945*	0.1982		0.1970	1		110	0
947	0.1770		0.1758	2		110	0
948*	0.1212		0.1200	2		110	0
950	0.1333		0.1321	1		125	0
951	0.1428		0.1416	1		18	0
954*	0.0932		0.0920	3		119	0
956	0.1703		0.1691	1		125	0
957	0.0436		0.0424	44	659	189, 193	N
959	0.3533		0.3521	2		110	0
960	0.1294		0.1282	1		110	0
961	0.1241		0.1229	2		125	0
962*	0.1696		0.1684	2		110	0
963	0.2060	3	0.2048	36	1350	213	N
965	0.1568		0.1556	2		125	0
968	0.1954		0.1942	1		110	0
970*	0.0587		0.0575	4		121	0
971	0.0929		0.0917	17	859	200	0
975	0.1186		0.1174	2		110	0
978	0.0544		0.0532	56	498	180	0
979*	0.0535		0.0523	18	424	224	N
980	0.1582		0.1570	1		125	0
981	0.2018		0.2006	1		110	0
982	0.1473		0.1461	1		125	0
983	0.2058		0.2046	2		110	0
985	0.1347		0.1335	1		125	0
990	0.1440	3	0.1428	1		125	0
991	0.0884		0.0872	2		18	0
992	0.2470	3	0.2458	>0		203	0
993*	0.0488		0.0476	6		224	N
994	0.1227		0.1215	1		144	N
998	0.2031		0.2019	5	1499	110	0
999*	0.0323		0.0311	43	261	76	N
1000	0.1546		0.1534	1		125	0
1002	0.1344		0.1332	1		125	0
1003*	0.0520	3	0.0508	1		19	0
1004	0.1414		0.1402	1		125	0
1005	0.2003		0.1991	2		110	0
1006	0.2043		0.2031	3		110	0
1007	0.2151		0.2139	2		125	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
1014	0.1165		0.1153	1		110	0
1016*	0.0322		0.0310	38	251	76	N
1017*	0.2034		0.2022	1		110	0
1018	0.2970	3	0.2958	1		26	0
1020	0.0649		0.0637	3		128	0
1021	0.1113		0.1101	12	2387	200	0
1023*	0.1169		0.1157	6		183	0
1024	0.0734		0.0722	3		144, 146	0
1025	0.1512		0.1500	2		110	0
1029	0.1264		0.1252	2		110	0
1030*	0.1780		0.1768	1		146	0
1032*	0.0794		0.0782	>0		119	0
1033	0.1259		0.1247	1		135	0
1035	0.0684		0.0672	17	737	224	N
1037*	0.3080		0.3068	3		110	0
1038	0.1241		0.1229	1		144	0
1045	0.1407		0.1395	2		125	0
1046	0.1900		0.1888	2		110	0
1047	0.1518		0.1506	1		144	N
1049	0.2580		0.2568	2		110	0
1050	0.1208		0.1196	1		125	0
1053	0.0980		0.0968	2		125	0
1054	0.2103		0.2091	1		125	0
1060*	0.0126		0.0114	157	647	224	N
1061	0.1891		0.1879	5	1561	110	0
1064	0.1302		0.1290	1		146	0
1066	0.0699		0.0687	3		75	0
1067	0.0845		0.0833	5	1367	200	0
1068	0.1375		0.1363	2		125	0
1069*	0.0650		0.0638	35	1120	180	0
1073	0.1390		0.1378	3		39	0
1074	0.1761		0.1749	2		125	0
1076	0.1167		0.1155	2		110	0
1077	0.2386		0.2374	1		125	0
1079*	0.1320	3	0.1308	>0		215	0
1081	0.1585		0.1573	2		72	0
1083*	0.2243		0.2231	2		110	0
1084	0.1335		0.1323	6		183	0
1093	0.2260	3	0.2248	1		24	0
1094	0.2004		0.1992	1		39	0
1095	0.2108		0.2096	1		125	0
1097*	0.1175		0.1163	1		121	N
1100*	0.0463		0.0451	>3		148	0
1101	0.2322		0.2310	2		87	0
1105	0.0897		0.0885	6	1020	200	0
1110	0.1940	3	0.1928	1		125	0
1111	0.1645		0.1633	9	1168	183	0
1119	0.0874		0.0862	1		144	0
1123	0.1227		0.1215	2		110	0
1124	0.2236		0.2224	2		110	0
1126	0.0846		0.0834	3		144, 47	n
1132	0.1363		0.1351	2		24	0
1134	0.1770	3	0.1758	2		215	0
1136	0.2091		0.2079	1		125	0
1139*	0.0398		0.0386	27	351	224	0
1142*	0.0349		0.0337	44	889	224	N
1143	0.1243		0.1231	1		125	0
1144*	0.1510		0.1498	1		110	0
1145*	0.0677		0.0665	4		77, 146	0
1146*	0.1416		0.1404	58	949	172, 93	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
1149*	0.0710		0.0698	1		26	0
1150*	0.1208		0.1196	2		110	0
1153	0.1330	3	0.1318	4		215	0
1156	0.2091		0.2079	1		125	0
1166	0.1644		0.1632	1		110	0
1168	0.0906		0.0894	14	976	200	0
1169	0.0586		0.0574	16	737	200	0
1170	0.1620		0.1608	1		26	0
1171*	0.0746		0.0734	3		77	0
1173	0.0759		0.0747	15	629	200	0
1175	0.2487		0.2475	1		125	0
1177*	0.0316		0.0304	4		125	0
1178	0.2596		0.2584	1		39	0
1180	0.0904		0.0892	2		110	0
1185	0.0325		0.0313	102	753	224	0
1187	0.0749		0.0737	16	976	200	0
1190	0.0751		0.0739	20	1257	200	0
1192*	0.1983		0.1971	1		110	0
1201	0.1688		0.1676	1		39	0
1203	0.0751		0.0739	15	296	200	0
1204	0.1706		0.1694	1		135	0
1205	0.0754		0.0742	3		144	0
1206	0.1440		0.1428	1		144	0
1207	0.1351		0.1339	1		110	0
1208	0.2293		0.2281	1		125	0
1213	0.0469		0.0457	60	523	224	0
1215	0.0494		0.0482	3		200	0
1216	0.0524		0.0512	1		0	0
1218*	0.0779		0.0767	2		90	n
1219	0.1736		0.1724	1		125	0
1221	0.2124		0.2112	1		110	0
1222	0.1125		0.1113	9	543	200	N
1224	0.2897		0.2885	1		26	0
1225*	0.1038		0.1026	2		90	n
1227	0.1120		0.1108	2		26, 39	0
1228	0.0352		0.0340	40	1040	224	N
1229	0.2266		0.2254	1		125	0
1232	0.1676		0.1664	1		18	N
1234	0.1663		0.1651	2		39	0
1235	0.1042		0.1030	4		26, 39	0
1238	0.0733		0.0721	11	572	200	0
1239*	0.1674		0.1662	2		110	0
1246	0.1902		0.1890	1		135	0
1249	0.1563		0.1551	1		110	0
1254	0.1525		0.1513	1		110	0
1255	0.1656		0.1644	2		110	0
1257*	0.0344		0.0332	13	502	224	0
1264	0.1267		0.1255	1		26	0
1267*	0.0329		0.0317	14	190	224	n
1268	0.1377		0.1365	2		125	0
1270*	0.0692		0.0680	4		90	n
1271	0.1704		0.1692	2		144	0
1272	0.1371		0.1359	2		125	0
1275*	0.0603		0.0591	2		10	0
1277	0.2431		0.2419	2		144	0
1278	0.1290	3	0.1278	1		24	0
1279*	0.0553		0.0541	2		110	0
1283	0.1408		0.1396	3		110	0
1285	0.1061		0.1049	8	1096	183	0
1287*	0.1437		0.1425	2		110	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
1289*	0.1118		0.1106	3		110	0
1290	0.2212		0.2200	1		125	0
1291	0.0527		0.0515	10	948	224	n
1292	0.2319		0.2307	1		39	0
1297*	0.1254		0.1242	2		110	0
1299	0.2247		0.2235	1		39	0
1300*	0.3072		0.3060	52	1210	197	0
1301*	0.1224		0.1212	2		110	0
1302	0.1165		0.1153	3		110	0
1304	0.2131		0.2119	2		39	0
1307	0.0832		0.0820	4		144, 146	0
1308*	0.0511		0.0499	>3		148, 24, 146	0
1310	0.2619		0.2607	1		125	0
1314*	0.0335		0.0323	18	683	224	0
1315*	0.1414		0.1402	2		110	0
1317	0.0705		0.0693	>3		121, 144	0
1318	0.0578		0.0566	19	583	224	N
1319	0.2880		0.2868	2		72	0
1322*	0.1114		0.1102	4		110	0
1324	0.0520		0.0508	>0		125	0
1326	0.2989		0.2977	1		87	0
1329	0.1458		0.1446	1		110	0
1331	0.2097		0.2085	7	1148	110	0
1332*	0.1000		0.0988	1		121	0
1334*	0.0550		0.0538	3		121	0
1335	0.1505		0.1493	1		110	0
1336*	0.1318		0.1306	2		121	0
1337	0.0826		0.0814	2		30	n
1339*	0.1562		0.1550	1		110	0
1341	0.1049		0.1037	1		125	0
1342	0.1061		0.1049	1		30	n
1343*	0.1318		0.1306	2		31	0
1344	0.0764		0.0752	2		84	0
1345	0.1095		0.1083	3		30	n
1346	0.0975		0.0963	13	600	200, 26	0
1348	0.1188		0.1176	6		183	0
1349	0.1359		0.1347	>0		90	n
1351	0.3224		0.3212	3		110	0
1354	0.1178		0.1166	2		30	n
1356	0.0698		0.0686	2		30	n
1357*	0.1711		0.1699	3		110	0
1358	0.0809		0.0797	2		144	0
1359*	0.1790		0.1778	2		110	0
1360	0.1535		0.1523	3		30	n
1361	0.1171		0.1159	>1		133, 135	0
1362*	0.0961		0.0949	3		77	0
1364	0.1058		0.1046	2		119	0
1365	0.0753		0.0741	10	301	200	N
1366	0.1170		0.1158	10	778	200	0
1367	0.0220		0.0208	121	879	216	N
1368	0.1291		0.1279	1		125	0
1371	0.0687		0.0675	3		125	0
1372	0.1126		0.1114	3		30	n
1373	0.1314		0.1302	2		26	0
1376	0.1176		0.1164	10	408	200	N
1377	0.0514		0.0502	13	488	29	n
1380	0.1063		0.1051	11	929	200	0
1381	0.1171		0.1159	1		110	0
1382	0.1053		0.1041	2		0	0
1383	0.0597		0.0585	5	395	29	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
1385	0.0831		0.0819	2		30	n
1386	0.1018		0.1006	1		144	0
1387	0.1320	3	0.1308	2		125	0
1390*	0.0826		0.0814	4		125	0
1391	0.1527		0.1515	3		183	0
1392*	0.1387		0.1375	2		18	0
1394	0.2323		0.2311	1		125	0
1396*	0.1441		0.1429	1		Fet	0
1399	0.0913		0.0901	1		0	0
1400*	0.0778		0.0766	2		Fet	0
1401	0.1648		0.1636	5		26, 39	0
1402*	0.1062		0.1050	2		110	0
1406	0.1178		0.1166	1		110	0
1407	0.1358		0.1346	1		144	0
1408	0.1102		0.1090	2		84	0
1412	0.0839		0.0827	1		0	0
1413	0.1427		0.1415	2		24	0
1415	0.1591		0.1579	3		110	0
1420	0.1378		0.1366	1		125	0
1421	0.1187		0.1175	2		110	0
1423	0.0761		0.0749	3		121	N
1424	0.0768		0.0756	2		84	0
1425	0.1395		0.1383	1		125	0
1430	0.2105		0.2093	2		39	0
1432*	0.1135		0.1123	1		110	0
1433	0.0851		0.0839	1		125	0
1436	0.0658		0.0646	4		90	n
1437	0.1339		0.1327	2		39	0
1445	0.1694		0.1682	2		72	0
1446	0.1035		0.1023	2		110	0
1448	0.1243		0.1231	3		125	0
1449	0.1569		0.1557	>0		125	N
1452*	0.0631		0.0619	15	514	24	N
1455	0.1650	3	0.1638	>0		125	0
1459	0.0839		0.0827	1		146	0
1462	0.1440		0.1428	1		146	0
1467*	0.1040		0.1028	2		110	0
1468	0.0844		0.0832	2		Fet	0
1469	0.1303		0.1291	1		125	0
1470	0.1918		0.1906	3		110	0
1473	0.2260	3	0.2248	1		125	0
1474	0.0801		0.0789	8	760	200	0
1477	0.1109		0.1097	1		110	0
1480	0.0734		0.0722	1		125	0
1484	0.1226		0.1214	3		110	0
1487	0.2111		0.2099	1		72	0
1495	0.1429		0.1417	2		39	0
1496	0.0941		0.0929	2		Fet	0
1497	0.1669		0.1657	3		39	0
1499	0.1569		0.1557	2		84	n
1500*	0.0720		0.0708	2		110	n
1501	0.1310		0.1298	2		110	0
1504	0.1836		0.1824	2		39	N
1505	0.1796		0.1784	1		144	0
1507*	0.0604		0.0592	6	233	9, 110	0
1508	0.0966		0.0954	1		144	0
1513*	0.1530		0.1518	1		110	0
1514	0.1995		0.1983	1		26	0
1516	0.0769		0.0757	13	1057	200	0
1518*	0.1085		0.1073	1		110	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
1521	0.0937		0.0925	2		84	0
1524	0.1369		0.1357	2		39	0
1525	0.2590	3	0.2578	1		6	N
1526	0.0799		0.0787	4		77, 84	0
1528	0.1544		0.1532	2		110	0
1529*	0.2311		0.2299	2		110, 146	0
1530	0.2281		0.2269	1		72	0
1533	0.2341		0.2329	2		72	0
1534*	0.0702		0.0690	3		110	0
1536	0.1244		0.1232	2		110	0
1539	0.1712		0.1700	1		110	0
1541	0.0893		0.0881	15	628	119, 200	N
1544	0.1459		0.1447	1		110	n
1546	0.2335		0.2323	1		110	0
1548	0.1611		0.1599	2		26, 39	0
1550	0.2540	3	0.2528	1		4	0
1552	0.0858		0.0846	16	765	200	0
1553	0.1652		0.1640	2		24	0
1556*	0.1697		0.1685	1		125	0
1557	0.2105		0.2093	2		110	0
1559	0.1071		0.1059	2		110	0
1561*	0.1110		0.1098	2		110	0
1562	0.1920		0.1908	1		146	0
1564*	0.0792		0.0780	2		106	0
1566	0.1005		0.0993	2		110	0
1569*	0.0735		0.0723	2		146	0
1571	0.2090	3	0.2078	1		24	0
1576	0.2790	3	0.2778	>1		203	0
1577	0.1409		0.1397	1		125	N
1579*	0.2005		0.1993	1		110	0
1583	0.1383		0.1371	1		144	0
1584	0.1193		0.1181	2		144	0
1589*	0.0725		0.0713	3		24, 149	0
1590	0.2255		0.2243	1		110	0
1595	0.1382		0.1370	1		144	0
1597	0.1102		0.1090	1		110	0
1601	0.1635		0.1623	>0		125, 144	N
1607	0.1355		0.1343	1		110	0
1608*	0.1319		0.1307	1		146	0
1609	0.0891		0.0879	1		0	0
1613	0.1608		0.1596	2		125	0
1614	0.2326		0.2314	1		110	0
1616*	0.0833		0.0821	1		42	0
1617	0.1502		0.1490	2		125	0
1620*	0.0821		0.0809	1		146	0
1621	0.1034		0.1022	4		110	0
1622	0.2855		0.2843	2		39	0
1630	0.0648		0.0636	15	437	200	0
1631*	0.0462		0.0450	71	702	78, 193	0
1632	0.1962		0.1950	1		19	0
1636	0.2355		0.2343	2		110	0
1638*	0.0620		0.0608	3		77	0
1640	0.1255		0.1243	1		110	0
1643	0.1981		0.1969	1		24	0
1644	0.0473		0.0461	92	945	78	N
1646*	0.1068		0.1056	1		110	0
1648*	0.0760		0.0748	2		183	0
1650	0.0845		0.0833	2		39	0
1651	0.0844		0.0832	30	1006	102, 193	N
1655	0.2345		0.2333	1		110	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
1656	0.0231		0.0219	499	1008	224	0
1661	0.1690		0.1678	4		87	0
1662	0.0924		0.0912	1		144	0
1663	0.0843		0.0831	1		144	0
1664*	0.1276		0.1264	1		135	0
1666	0.0567		0.0555	4	1040	200	N
1667	0.1648		0.1636	2		0	0
1668	0.0634		0.0622	15	654	144, 200	0
1672	0.1882		0.1870	1		135	0
1674	0.1066		0.1054	2		110	0
1675	0.1840	3	0.1828	1		24	0
1677	0.1832		0.1820	1		24	0
1678	0.1700		0.1688	2		110	0
1679	0.1699		0.1687	2		39	0
1681	0.0912		0.0900	2		110	0
1682	0.2339		0.2327	2		125	0
1683	0.1341		0.1329	1		110	0
1684	0.0862		0.0850	2		146	0
1685*	0.1970	3	0.1958	1		24	0
1687*	0.1955		0.1943	2		110	0
1689	0.1832		0.1820	66	1989	93	0
1691	0.0722		0.0710	71	810	217, 200	0
1695	0.1975		0.1963	1		110	0
1697	0.1829		0.1817	2		39	0
1700	0.1340	3	0.1328	>0		151	0
1701*	0.1239		0.1227	1		110	0
1703	0.2580	3	0.2568	>1		135, 203	0
1704	0.2205		0.2193	1		110	0
1705	0.2966		0.2954	1		110	0
1707	0.1965		0.1953	1		110	0
1708	0.2364		0.2352	1		125	0
1709*	0.0521		0.0509	2		121	0
1713	0.1411		0.1399	1		110	0
1718	0.3340		0.3328	1		110	0
1722	0.3275		0.3263	2		110	0
1729	0.1144		0.1132	1		125	0
1731	0.1932		0.1920	3		75, 110	0
1732	0.1921		0.1909	10	1333	183	0
1736*	0.0458		0.0446	109	918	224	N
1738	0.1154		0.1142	9	417	200	0
1741	0.0745		0.0733	2		110	0
1744	0.1520		0.1508	1		110	0
1749	0.0571		0.0559	52	1050	217	0
1750*	0.0852		0.0840	46	778	102	N
1756*	0.2415		0.2403	1		110	0
1757*	0.1259		0.1247	4		183	0
1758	0.2790	3	0.2778	3		85	0
1759	0.1680	3	0.1668	1		24	0
1760	0.1711		0.1699	3		24, 39	0
1761	0.2277		0.2265	1		146	0
1763	0.2284		0.2272	2		39, 75	0
1764*	0.1172		0.1160	2		110	0
1767	0.0702		0.0690	58	849	217	0
1771*	0.1069		0.1057	2		84	0
1773	0.0765		0.0753	14	849	200	0
1774	0.1691		0.1679	2		39	0
1775	0.0717		0.0705	28	1594	102, 154	N
1776*	0.1335		0.1323	1		110	0
1777	0.2156		0.2144	2		110	0
1780	0.0786		0.0774	2		84	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
1781*	0.0618		0.0606	25	674	224	0
1783*	0.0690		0.0678	3		121	0
1785	0.2136		0.2124	2		39	0
1790	0.1215		0.1203	1		146	0
1791*	0.1250	3	0.1238	1		221	N
1793	0.0831		0.0819	9	473	200	0
1795	0.0631		0.0619	100	920	139	0
1800*	0.0755		0.0743	14	748	108	n
1803	0.1997		0.1985	1		110	0
1809	0.0789		0.0777	59	765	180, 193	0
1811	0.1168		0.1156	4		110	0
1812*	0.0630	3	0.0618	>0		125	0
1813*	0.0947		0.0935	2		121	0
1814	0.1251		0.1239	1		125	0
1825*	0.0595		0.0583	2		128	N
1827	0.0654		0.0642	8	268	200	0
1828	0.0623		0.0611	5	281	84, 146, 200	0
1831	0.0615		0.0603	17	801	224	N
1833	0.1569		0.1557	1		125	0
1835*	0.2532		0.2520	1		135	0
1836*	0.0363		0.0351	>3		148, 10, 146	0
1837	0.0698		0.0686	38	624	217	N
1838	0.2479		0.2467	1		87	0
1840*	0.1104		0.1092	1		0	0
1842	0.1847		0.1835	1		125	0
1848	0.2001		0.1989	1		110	0
1849*	0.0963		0.0951	1		125	0
1851	0.2149		0.2137	3		110	0
1852	0.1805		0.1793	2		84	N
1853*	0.1374		0.1362	1		144	N
1856	0.1854		0.1842	1		125	N
1859*	0.2359		0.2347	5	637	110	0
1864	0.0870		0.0858	2		144	0
1865*	0.2178		0.2166	3		110	0
1872*	0.1437		0.1425	3		110	0
1873*	0.0776		0.0764	1		10	n
1877	0.2499		0.2487	2		110	0
1878	0.2540	3	0.2528	1		24	0
1879	0.2061		0.2049	2		110	0
1880	0.1413		0.1401	2		26	0
1882	0.1367		0.1355	2		125	0
1884*	0.1223		0.1211	3		110	0
1885	0.0890		0.0878	>0		125	0
1889	0.1860		0.1848	3		39	0
1890*	0.0574		0.0562	4	311	224	0
1892	0.0904		0.0892	2		125	0
1893	0.2072		0.2060	2		110	0
1895	0.2257		0.2245	1		110	0
1898	0.0774		0.0762	3		125	0
1899*	0.0536		0.0524	2		10	0
1900	0.1718		0.1706	1		125	0
1901*	0.0850		0.0838	>0		133	0
1902	0.1600	3	0.1588	1		141	0
1904	0.0708		0.0696	24	803	57	0
1905	0.3392		0.3380	1		125	N
1909	0.1456		0.1444	2		84	0
1911	0.1913		0.1901	1		39	0
1913	0.0528		0.0516	16	656	71	0
1914	0.1712		0.1700	2		39	0
1918	0.1400		0.1388	>2		110	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
1920	0.1310		0.1298	1		31	0
1921	0.1352		0.1340	2		26	0
1924*	0.1114		0.1102	2		144	0
1925	0.1051		0.1039	1		125	0
1926	0.1338		0.1326	11	621	200	N
1927	0.0947		0.0935	68	583	217, 200	N
1929	0.2191		0.2179	1		39	0
1930	0.1313		0.1301	2		24	0
1933	0.2125		0.2113	3		110	0
1934	0.2194		0.2182	4		91	0
1936	0.1386		0.1374	1		31	0
1937	0.1385		0.1373	2		110	0
1939	0.0881		0.0869	5	508	18	0
1940	0.1396		0.1384	12	785	24	0
1941	0.0880		0.0868	2		146	0
1942	0.2240	3	0.2228	2		Fet	0
1944	0.1623		0.1611	1		125	0
1950	0.1956		0.1944	1		144	N
1952	0.2480	3	0.2468	2		24	0
1954	0.1810	3	0.1798	0		21	0
1957	0.2410	3	0.2398	1		24	0
1958	0.2270		0.2258	2		87	0
1960	0.1891		0.1879	2		1, 146	N
1961	0.2320	3	0.2308	2		24	0
1962*	0.1060		0.1048	1		31	0
1963	0.2210		0.2198	2		72	0
1964*	0.0710		0.0698	2		144	0
1966	0.1506		0.1494	2		110	0
1969	0.2987		0.2975	1		110	0
1970	0.1924		0.1912	1		125	0
1971*	0.2086		0.2074	1		146	0
1972*	0.1192		0.1180	1		1	0
1974	0.1776		0.1764	5	999	110	0
1975	0.2235		0.2223	1		110	N
1976	0.1171		0.1159	3		1	0
1978	0.1455		0.1443	2		200	0
1979	0.1687		0.1675	2		39	0
1980	0.1154		0.1142	3		1	0
1983	0.0436		0.0424	101	909	224	N
1984	0.1244		0.1232	2		91	0
1986	0.1185		0.1173	3		1	0
1988*	0.1162		0.1150	3		1	0
1990	0.1269		0.1257	2		Fet	0
1991	0.0587		0.0575	42	721	123.78	N
1995*	0.3186		0.3174	2		110	0
1997*	0.2501		0.2489	2		1	0
1999	0.0993		0.0981	14	567	200	N
2000	0.1012		0.1000	1		31	0
2001	0.1749		0.1737	3		95	0
2002	0.2117		0.2105	1		110	0
2003	0.2174		0.2162	1		1	0
2004*	0.1365		0.1353	1		95	0
2005	0.0774		0.0762	2		200	n
2006	0.1166		0.1154	2		1	0
2008	0.1809		0.1797	2		1	0
2009	0.1532		0.1520	5	804	1	0
2011	0.1697		0.1685	1		31	0
2012	0.1512		0.1500	3		1	0
2013	0.2401		0.2389	2		110	0
2017	0.1187		0.1175	>0		133	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
2018	0.0878		0.0866	2		84	0
2019*	0.0807		0.0795	4		119, 125	0
2020*	0.0578		0.0566	1		10	0
2021	0.0993		0.0981	1		95	0
2022	0.0578		0.0566	8		121	0
2023	0.0547		0.0535	2		144	0
2026	0.0876		0.0864	4		144	0
2028	0.0777		0.0765	20	434	102	0
2029	0.0773		0.0761	85	1436	154, 103, 104	0
2030	0.0919		0.0907	1		144	0
2033*	0.0818		0.0806	6		125	0
2034	0.1130	3	0.1118	2		141	0
2036*	0.1163		0.1151	1		26	0
2040	0.0460	3	0.0448	37	673	149, 180	N
2042	0.2353		0.2341	1		125	0
2048	0.0972		0.0960	25	668	149, 180	N
2049*	0.1170		0.1158	1		95	0
2050	0.1183		0.1171	1		60	0
2052*	0.0350		0.0338	69	751	224	0
2053	0.1127		0.1115	1		60	0
2055*	0.0530		0.0518	1		0	N
2056	0.0846		0.0834	1		95	0
2059	0.1305		0.1293	1		95	N
2061	0.0784		0.0772	105	1020	199	N
2062	0.1122		0.1110	3		95	0
2063	0.0353		0.0341	94	659	172, 139	N
2064*	0.1076		0.1064	2		34	0
2065	0.0726		0.0714	31	1203	199	N
2067	0.0748		0.0736	55	953	199	N
2069	0.1160	3	0.1148	9	831	99	0
2072*	0.1270		0.1258	>0		226	0
2073	0.1717		0.1705	1		95	0
2079	0.0661		0.0649	62	680	217	N
2083	0.1142		0.1130	1		95	0
2084	0.3420	3	0.3408	1		24	0
2089	0.0732		0.0720	30	545	199	N
2091	0.1335		0.1323	1		146	0
2092	0.0669		0.0657	44	581	199	N
2093	0.1524		0.1512	1		125	0
2094	0.1444		0.1432	9	461	200	0
2096	0.1533		0.1521	1		125	0
2100	0.1533		0.1521	3		24	0
2104*	0.1554		0.1542	1		135	0
2107	0.0411		0.0399	68	672	132	0
2108*	0.0919		0.0907	2		0	0
2110	0.0980		0.0968	3		95	0
2111	0.2290	3	0.2278	14		66	0
2122	0.0661		0.0649	7	614	84, 200	0
2124	0.0661		0.0649	63	847	139	0
2125	0.2465		0.2453	1		26	0
2126*	0.1650		0.1638	1		125	0
2128*	0.1010		0.0998	>1		121, 144	N
2141	0.1584		0.1572	1		146	0
2142	0.0909		0.0897	103	1280	154	n
2145*	0.0880		0.0868	1		125	0
2146	0.2343		0.2331	1		135	0
2147	0.0350		0.0338	93	821	201	N
2148*	0.0430		0.0418	9	1521	224	N
2149*	0.0679		0.0667	3		77, 146	N
2151	0.0366		0.0354	179	691	224	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	*a* (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
2152	0.0410		0.0398	62	1338	224	N
2155	0.2465		0.2453	1		125	0
2158*	0.1349		0.1337	3		1	0
2159*	0.0983		0.0971	1		121	0
2162*	0.0322		0.0310	35	365	224	N
2163*	0.2030	3	0.2018	>0		129	0
2165*	0.1286		0.1274	3		24	0
2168	0.0626		0.0614	1		121	0
2169*	0.0586		0.0574	6		121	0
2170*	0.1030		0.1018	3		121	0
2172	0.1393		0.1381	3		1	0
2175	0.0951		0.0939	22	1078	200	N
2176	0.1304		0.1292	>0		125	0
2177*	0.1610	3	0.1598	>0		206	N
2178	0.0928		0.0916	2		60	0
2179	0.1360		0.1348	3		1	0
2183	0.1365		0.1353	3		1	0
2184*	0.0562		0.0550	2		119	0
2187*	0.1836		0.1824	3		1	0
2192	0.1875		0.1863	3		1	0
2196*	0.1339		0.1327	3		1	0
2197	0.0308		0.0296	46	593	67	N
2198	0.0798		0.0786	2		1	0
2199	0.0299		0.0287	92	733	217	n
2201	0.1300	3	0.1288	1		141	0
2204*	0.1523		0.1511	2		Fet	0
2205*	0.0876		0.0864	3		121	0
2208	0.1337		0.1325	1		135	0
2210*	0.1465		0.1453	3		60	0
2211	0.1362		0.1350	3		1	0
2212	0.1891		0.1879	1		84	0
2213	0.1604		0.1592	1		1	0
2214*	0.1616		0.1604	1		146	0
2218	0.1756		0.1744	50	1370	138	0
2219	0.2256		0.2244	2		135	0
2220*	0.1106		0.1094	1		24	0
2223*	0.1033		0.1021	1		121	0
2224*	0.1504		0.1492	1		24	0
2225	0.2436		0.2424	1		146	0
2228	0.1019		0.1007	1		135	0
2230	0.1354		0.1342	2		84	0
2235	0.1511		0.1499	3		60	0
2240	0.1380	3	0.1368	1		24	0
2241*	0.0635		0.0623	2		24	0
2244	0.0968		0.0956	27	1240	94	0
2245	0.0850		0.0838	4		84	0
2246	0.2250	3	0.2238	1		26	0
2247*	0.0385		0.0373	16	304	224	0
2248*	0.0646		0.0634	12	486	224	0
2249*	0.0816		0.0804	3	548	224	0
2250	0.0654		0.0642	18	693	61	0
2252	0.1147		0.1135	1		60	0
2253*	0.0891		0.0879	1		121	0
2254*	0.1780	3	0.1768	1		141	0
2255	0.0806		0.0794	42	1266	224	0
2256	0.0581		0.0569	116	1376	224	N
2257*	0.1054		0.1042	1		60	0
2259*	0.1640	3	0.1628	1		141	0
2261*	0.2240	3	0.2228	1		141	0
2263*	0.1051		0.1039	1		26	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
2266*	0.1671		0.1659	1		24	0
2270*	0.2377		0.2365	1		60	0
2271*	0.0576		0.0564	10	460	111	n
2272*	0.1329		0.1317	2		84	0
2275*	0.1029		0.1017	2		121	0
2280	0.3260	3	0.3248	7	948	153	0
2283	0.1830		0.1818	1		26	0
2289*	0.2276		0.2264	1		146	0
2292*	0.1190	3	0.1178	1		141	0
2293*	0.0689		0.0677	1		121, 125, 149	0
2294	0.1780	3	0.1768	1		141	0
2295*	0.0823		0.0811	3		125	0
2296*	0.0611		0.0599	>0		119, 125	0
2301*	0.0874		0.0862	3		0	0
2304*	0.0890		0.0878	2		75, 149	0
2306*	0.1276		0.1264	>0		133, 149	0
2308*	0.0824		0.0812	3		125	0
2309*	0.0525		0.0513	3		121	0
2311*	0.0890		0.0878	6	773	200	0
2312*	0.0937		0.0925	2		121	0
2315*	0.0894		0.0882	10	907	200	0
2316	0.2147		0.2135	1		146	0
2317*	0.2110	3	0.2098	1		24	0
2318	0.1405		0.1393	1		135	0
2319*	0.0557		0.0545	130	1770	154	N
2320*	0.1710	3	0.1698	1		24	0
2328*	0.1470		0.1458	1		0	n
2330	0.1138		0.1126	1		60	0
2331*	0.0793		0.0781	16	876	200	0
2333	0.1123		0.1111	1		144	0
2334	0.1855		0.1843	1		144	0
2339	0.1128		0.1116	2		60	0
2344	0.1447		0.1435	2		60	0
2345	0.1765		0.1753	1		146	0
2346*	0.0914		0.0902	2		121	0
2347	0.1196		0.1184	1		0, Fet	0
2353	0.1210		0.1198	24	599	149, 180	0
2354	0.0880	3	0.0868	5		149	N
2355	0.1244		0.1232	2		38	0
2356	0.1161		0.1149	3		60	0
2357	0.1235		0.1223	1		144	0
2361	0.0608		0.0596	17	329	149, 180	N
2362	0.0608		0.0596	24	340	149, 180	N
2364	0.1473		0.1461	1		144	0
2365	0.1873		0.1861	1		146	0
2366*	0.0529		0.0517	11	490	200	0
2372*	0.0583		0.0571	>2		121, 184	0
2376	0.0896		0.0884	1		144	0
2377	0.0808		0.0796	1		26	0
2378*	0.0829		0.0817	2		121, 125	0
2381	0.0726		0.0714	1		144	0
2382	0.0618		0.0606	3		146	0
2383	0.0578		0.0566	5		149	0
2384	0.0943		0.0931	1		0, Fet	0
2388*	0.0615		0.0603	1		26	0
2390*	0.2280		0.2268	225	1686	179, 118	N
2394	0.0815		0.0803	1		144	0
2395*	0.1508		0.1496	1		146	0
2396*	0.1946		0.1934	>0		133, 146	0
2397	0.2240	3	0.2228	1		24	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
2399	0.0579		0.0567	8	530	128, 200	0
2400	0.0882		0.0870	16	654	200, 26	0
2401	0.0571		0.0559	23	472	149, 180	0
2402*	0.0809		0.0797	1		121, 125	0
2403*	0.1070	3	0.1058	<4		195	N
2409*	0.1479		0.1467	1		135	0
2410	0.0809		0.0797	10	598	200	0
2412*	0.0781		0.0769	5		106, 146	N
2415*	0.0581		0.0569	>2		35, 42, 146	0
2416	0.2133		0.2121	1		144	0
2420	0.0846		0.0834	9	717	200, 26	0
2424*	0.1510	3	0.1498	2		215	0
2426	0.0978		0.0966	15	846	149, 180	N
2428	0.0851		0.0839	>0		135, 144	N
2433*	0.0880		0.0868	>0		109, 133	0
2436	0.0914		0.0902	14	530	149, 180	0
2440*	0.0906		0.0894	48	957	188	N
2443*	0.1080	3	0.1068	1		24	0
2444	0.3240	3	0.3228	0		21	0
2448*	0.0823		0.0811	>2		42, 149	0
2452	0.1342		0.1330	1		144	0
2454	0.1590	3	0.1578	>0		215	0
2456	0.0766		0.0754	1		144	0
2457	0.0594		0.0582	18	316	200	0
2459*	0.0736		0.0724	1		26	N
2462*	0.0733		0.0721	10	548	149, 180	N
2465	0.2450	3	0.2438	>0		2	0
2468	0.1421		0.1409	1		144	0
2469	0.0800		0.0788	13	592	200	0
2471	0.1078		0.1066	>0		35	0
2479*	0.0842		0.0830	2		121	0
2480	0.0719		0.0707	11	862	149, 180	0
2482	0.1816		0.1804	2		142	0
2490	0.0702		0.0690	2		144	0
2492*	0.0711		0.0699	2		149	0
2495*	0.0775		0.0763	2		121	0
2496	0.1233		0.1221	1		26	0
2500	0.0895		0.0883	13	477	149, 180	N
2503*	0.0839		0.0827	5		121	0
2507	0.1960	3	0.1948	1		152	0
2509	0.2306		0.2294	1		31	0
2511*	0.0780		0.0768	2		121	0
2512	0.1603		0.1591	1		144	N
2516	0.0793		0.0781	1		144	0
2518	0.1351		0.1339	1		31	0
2521	0.1340		0.1328	2		91	0
2522	0.1562		0.1550	1		144	0
2524	0.0805		0.0793	6		121	0
2525*	0.0788		0.0776	2		121	0
2528*	0.0955		0.0943	1		31	0
2529	0.1105		0.1093	1		144	0
2531	0.1741		0.1729	1		31	0
2533	0.1114		0.1102	1		144	0
2534	0.1976		0.1964	3		12, 31	N
2536	0.1971		0.1959	1		31	0
2538	0.0831		0.0819	42	805	102	N
2539	0.1735		0.1723	1		31	0
2540	0.1297		0.1285	1		31	0
2541	0.1100		0.1088	2		186	N
2542	0.1603		0.1591	1		31	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
2543	0.1067		0.1055	2		144	0
2546	0.1119		0.1107	1		31	0
2547	0.1501		0.1489	2		31, 221	0
2548	0.1101		0.1089	1		31	0
2550	0.1543		0.1531	1		60	0
2552	0.1330	3	0.1318	2		141	0
2553	0.1496		0.1484	2		144	0
2554	0.1111		0.1099	28	827	102	0
2555	0.1385		0.1373	1		31	0
2556	0.0865		0.0853	2		31, 60	0
2558*	0.0849		0.0837	1		125	0
2559	0.0796		0.0784	1		26	0
2565*	0.1271		0.1259	1		31	0
2566	0.0821		0.0809	1		31	0
2568*	0.1398		0.1386	1		31	0
2569	0.0809		0.0797	36	481	149, 180	N
2571	0.1084		0.1072	>0		35, 144	0
2572*	0.0403		0.0391	24	676	224	N
2577	0.1251		0.1239	1		144	0
2579	0.1117		0.1105	1		144	0
2583	0.1160	3	0.1148	<4		195	N
2584*	0.1200	3	0.1188	2		147	0
2589*	0.0414		0.0402	47	819	71, 122, 123	N
2590	0.0790		0.0778	1		144	0
2593*	0.0413		0.0401	50	763	224	N
2597*	0.0852		0.0840	3		60	0
2599	0.0889		0.0877	4		145, 186	N
2606	0.2800	2	0.2788	1		221	N
2607*	0.1201		0.1189	1		146	0
2613	0.1170		0.1158	1		144	0
2616	0.1832		0.1820	1		Fet	0
2617	0.1630		0.1618	1		146	0
2618*	0.0705		0.0693	2		Fet	0
2619*	0.0998		0.0986	2		121	0
2620	0.0990		0.0978	3		125, 142	0
2622*	0.0620		0.0608	40	942	191	0
2623	0.1784		0.1772	1		Fet	0
2625*	0.0609		0.0597	3		Fet	0
2626*	0.0553		0.0541	70	696	224	N
2627	0.1255		0.1243	3		41, 146	0
2630*	0.0667		0.0655	3	410	224	0
2631	0.2730	3	0.2718	>1		127, 141, 142	0
2632	0.1860	3	0.1848	2		Fet	0
2634*	0.0310		0.0298	241	1119	224	N
2636	0.1637		0.1625	1		142	0
2637	0.0702		0.0690	15	713	224	N
2638	0.0825		0.0813	2		Fet	0
2640	0.1023		0.1011	6	371	200	0
2644	0.0693		0.0681	12	179	149, 180, 193	N
2645	0.2510	3	0.2498	5	1230	85	0
2646	0.1930	3	0.1918	1		Fet	0
2652	0.1922		0.1910	2		142	0
2654	0.1256		0.1244	2		142	0
2656*	0.0773		0.0761	2		121	0
2657	0.0402		0.0390	31	829	224	N
2658	0.1850	3	0.1838	1		Fet	0
2660*	0.0525		0.0513	3		121	0
2661	0.1911		0.1899	2		142	0
2664	0.1471		0.1459	2		142	0
2665*	0.0556		0.0544	>3		10, 35, 40	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
2666*	0.0272		0.0260	43	518	224	N
2667	0.2300		0.2288	>0		225	0
2670	0.0765		0.0753	219	908	172, 82	N
2671	0.1799		0.1787	5	691	200	0
2672	0.2412		0.2400	1		146	0
2674	0.2030		0.2018	2		142	0
2675	0.0713		0.0701	6	374	200	0
2678*	0.0726		0.0714	4		125	0
2681	0.1580	3	0.1568	<4		195	N
2683*	0.0731		0.0719	1		218	N
2684	0.1672		0.1660	2		142	0
2686	0.1124		0.1112	1		26	0
2694	0.0958		0.0946	1		26	0
2696*	0.0844		0.0832	>0		133	0
2698	0.0979		0.0967	3		142	0
2700	0.0924		0.0912	9	1483	200	0
2703*	0.1144		0.1132	2		18	N
2705	0.1147		0.1135	1		125	0
2708	0.1469		0.1457	1		144	0
2710	0.1004		0.0992	2		144	0
2715	0.1139		0.1127	14	556	180	N
2716	0.0681		0.0669	3		133	0
2717	0.0490		0.0478	56	512	149, 180	N
2721	0.1147		0.1135	75	803	172, 130, 125, 93	N
2730	0.1195		0.1183	13	871	186	N
2731	0.0312		0.0300	>3	471	148, 224	N
2734	0.0625		0.0613	80	628	149, 180, 193	0
2736	0.0851		0.0839	>3		133, 157	0
2744	0.3080		0.3068	>3		133, 158	0
2749	0.1460		0.1448	5		186	N
2751	0.1070	3	0.1058	<4		194	N
2753	0.1270	3	0.1258	<4		195	N
2755	0.0949		0.0937	22	789	149, 180	N
2758	0.0934		0.0922	>3		133, 157	0
2762	0.1121		0.1109	>0		133	0
2764	0.0711		0.0699	19	788	149, 180	0
2765	0.0801		0.0789	16	905	149, 180	0
2767	0.1192		0.1180	4		186	N
2769	0.1416		0.1404	3		207	N
2771	0.0696		0.0684	7	349	207	N
2778	0.1018		0.1006	17	947	180	N
2780	0.0988		0.0976	4		198	N
2782	0.0879		0.0867	3		184	0
2784	0.0980	3	0.0968	2		145	0
2789	0.0951		0.0939	2		144	0
2790	0.1117		0.1105	21	700	186	N
2794	0.0620	3	0.0608	3		145	0
2798	0.1050		0.1038	20	711	159, 193	N
2799	0.0633		0.0621	36	424	149, 180	0
2800	0.0636		0.0624	34	430	149, 180	0
2801	0.1080		0.1068	25		159	0
2802	0.1250		0.1238	18		159	0
2804	0.1080	3	0.1068	<4		195	N
2806	0.0277		0.0265	20	577	224	0
2811	0.1086		0.1074	13	695	186	N
2814	0.1082		0.1070	2		184	0
2819	0.0747		0.0735	50	406	149, 180	N
2824	0.0582		0.0570	7	913	125, 224	N
2829	0.1000		0.0988	11		159	N
2836	0.0300	3	0.0288	>0		160	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
2840......	0.1067		0.1055	7	244	207	N
2841......	0.0646		0.0634	>0		133, 157	0
2844......	0.1130		0.1118	3		186	N
2846......	0.0772		0.0760	1		218	N
2847......	0.1040		0.1028	1		184	0
2850......	0.1003:		0.0991	>0		160	0
2852......	0.2021		0.2009	5	379	207	N
2853......	0.1338		0.1326	1		207	N
2854......	0.0613		0.0601	22	369	149, 180	0
2857......	0.2120		0.2108	4		207	N
2859......	0.0653		0.0641	>0		133, 160	0
2860......	0.1058		0.1046	12	371	184, 186	N
2864......	0.0700		0.0688	2		184	0
2870......	0.0237		0.0225	15	948	224	N
2871......	0.1219		0.1207	18	930	180	N
2874......	0.1428		0.1416	20	937	186, 207	N
2877......	0.0247		0.0235	97	898	224	0
2881......	0.0421		0.0409	5	1426	224	0
2882......	0.0436		0.0424	3		148	0
2889......	0.0666		0.0654	>0		149, 143	0
2891......	0.0773		0.0761	3		145	0
2896......	0.0318		0.0306	>3		148	0
2911......	0.0808		0.0796	31	576	149, 180	N
2912......	0.2380	3	0.2368	<4		195	N
2915......	0.0864		0.0852	4		149	0
2919......	0.0914		0.0902	1		218	N
2923......	0.0715		0.0703	16	339	149, 180	N
2924......	0.0830		0.0818	2		184	0
2926......	0.1253		0.1241	5		186	N
2933......	0.0925		0.0913	9		149	0
2934......	0.2111		0.2099	>0		133, 160	0
2938......	0.2780	3	0.2768	>0		206	N
2952......	0.1228		0.1216	1		184	0
2954......	0.0566		0.0554	6		149	0
2961......	0.1246		0.1234	1		218	N
2962......	0.1006		0.0994	11	1152	186	N
2969......	0.1236		0.1224	7	865	186	N
2983......	0.1240	3	0.1228	<4		195	N
2984......	0.1008		0.0996	6	872	186	N
2988......	0.1150	3	0.1138	>0		113	0
2992......	0.0582		0.0570	2		164	0
2995......	0.0372:		0.0360	>1		143, 148	0
2998......	0.1630	3	0.1618	<4		195	N
3004......	0.0631		0.0619	>0		133, 125	0
3005......	0.1392		0.1380	>0		133, 160	0
3009......	0.0653		0.0641	12	514	149, 180	0
3021......	0.0949		0.0937	2		184	0
3023......	0.2092		0.2080	>0		133, 221	N
3027......	0.0760		0.0748	22	977	186	N
3038......	0.1352		0.1340	1		165	N
3040......	0.0932		0.0920	5		165	0
3047......	0.0950	3	0.0938	<4		195	N
3062......	0.1160		0.1148	2		145	0
3069......	0.1245		0.1233	4		186	N
3070......	0.1106		0.1094	13	519	186	N
3074......	0.0730	3	0.0718	<4		195	N
3077......	0.1150	3	0.1138	<4		195	N
3078......	0.0648		0.0636	>0		133	0
3084......	0.0977		0.0965	1		218	N
3089......	0.0667		0.0655	8	323	186	N

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
3093......	0.0830		0.0818	22	435	149, 180	0
3094......	0.0677		0.0665	67	653	149, 180, 193	N
3095......	0.0646		0.0634	>0		133, 125, 184	0
3098......	0.0833		0.0821	6	709	186	N
3100......	0.0629		0.0617	>0		133, 160	0
3104......	0.0730	3	0.0718	<4		195	N
3106......	0.0639		0.0627	>0		133	0
3107......	0.0875		0.0863	>0		149	0
3108......	0.0625		0.0613	7		149	N
3109......	0.0920	3	0.0908	1		145	N
3110......	0.0749		0.0737	>0		133	0
3111......	0.0775		0.0763	35	770	149, 180	0
3112......	0.0750		0.0738	67	950	149, 180	0
3116......	0.0830	3	0.0818	<4		195	N
3120......	0.0690		0.0678	>0		133	0
3122......	0.0643		0.0631	87	755	149, 180	N
3123......	0.0644		0.0632	>0		133	0
3125......	0.0589		0.0577	19	273	194	N
3126......	0.0856		0.0844	38	1041	73, 180	0
3128......	0.0599		0.0587	180	802	149, 180	N
3129......	0.1260	3	0.1248	<4		195	N
3133......	0.0534		0.0522	>0		133	0
3135......	0.0642		0.0630	82	1100	224	N
3136......	0.1196		0.1184	>0		133	0
3140......	0.0620	3	0.0608	1		145	0
3141......	0.1058		0.1046	15	646	180	0
3142......	0.1030		0.1018	21	814	180	N
3144......	0.0443		0.0431	16		184	0
3145......	0.0604		0.0592	1		218	N
3146......	0.1102		0.1090	2		184	0
3150......	0.1100	3	0.1088	2		145	0
3151......	0.0676		0.0664	38	747	149, 180	0
3157......	0.2109		0.2097	>2		133, 144, 113	0
3158......	0.0597		0.0585	123	976	149, 180, 193	0
3164......	0.0570		0.0558	3	991	224	0
3165......	0.1365		0.1353	>3		133, 144, 221	N
3166......	0.1125		0.1113	>0		133	0
3186......	0.1273		0.1261	2		144	0
3193......	0.0357		0.0345	36	872	224	0
3194......	0.0974		0.0962	32	790	149, 180	0
3195......	0.0750	3	0.0738	<4		195	N
3202......	0.0693		0.0681	27	433	149, 180	N
3207......	0.2120	3	0.2108	>0		133	0
3212......	0.1630	3	0.1618	<4		195	N
3215......	0.1640	3	0.1628	<4		195	N
3219......	0.1480	3	0.1468	2		166	N
3223......	0.0601		0.0589	68	636	149, 180	0
3225......	0.0549		0.0537	40	1072	73	0
3231......	0.1550		0.1538	1		165	0
3234......	0.1230	3	0.1228	<4		195	N
3259......	0.1540	3	0.1528	>0		212	0
3260......	0.0640	3	0.0628	2		145	0
3264......	0.0978		0.0966	5		149	0
3266......	0.0589		0.0577	317	1085	181	0
3269......	0.1165		0.1153	2		184	0
3279......	0.1510	3	0.1498	<4		195	N
3295......	0.1074		0.1062	2		162	0
3301......	0.0536		0.0524	5		149	0
3312......	0.0538		0.0526	1		165	0
3321......	0.1172		0.1160	2		184	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
3322......	0.2000	2	0.1988	1		125	0
3323......	0.0633		0.0621	2		144	0
3330......	0.0921		0.0909	2		184	0
3331......	0.1030	3	0.1018	<4		194	N
3332......	0.0792		0.0780	1		184	0
3334......	0.0965		0.0953	32	671	149, 180	0
3336......	0.0786		0.0774	2		145, 162	0
3338......	0.0446:		0.0434	>0		143	0
3341......	0.0379		0.0367	64	585	149, 180, 193	N
3342......	0.1987		0.1975	1		144	0
3351......	0.0819		0.0807	>0		149	N
3354......	0.0584		0.0572	57	383	180	0
3356......	0.0761		0.0749	>0		133	0
3360......	0.0848		0.0836	36	801	149, 180	0
3362......	0.0951		0.0939	>0		133	0
3365......	0.0926		0.0914	32	1153	180	0
3367......	0.1016		0.1004	40	602	214	0
3368......	0.0978		0.0966	3		125	0
3374......	0.0472		0.0460	7		125	0
3376......	0.0456		0.0444	77	641	78, 149	0
3380......	0.0558		0.0546	>0		133	0
3381......	0.0359		0.0347	52	1083	224	N
3389......	0.0267		0.0255	42	785	224	N
3390......	0.0333		0.0321	15	590	224	0
3391......	0.0514		0.0502	85	1157	93	0
3392......	0.0554		0.0542	9	517	224	0
3395......	0.0506		0.0494	159	1090	93	N
3407......	0.0428		0.0416	6	605	224	0
3408......	0.0420		0.0408	1		178	N
3420......	0.0599		0.0587	>3		133, 125	0
3429......	0.0472		0.0460	>0		133	0
3444......	0.2533		0.2521	7		183	0
3490......	0.0688		0.0676	7		183	0
3497......	0.0677		0.0665	>0		133	0
3526......	0.0114		0.0102	287	863	202	N
3528......	0.0528		0.0516	39	740	176	N
3530......	0.0537		0.0525	5		174	0
3532......	0.0554		0.0542	44	742	173	0
3535......	0.0652		0.0640	4		174	0
3537......	0.0320		0.0308	15	641	224	N
3541......	0.1288		0.1276	8	1390	183	0
3542......	0.0525		0.0513	>2		133, 125	0
3545......	0.0943		0.0931	>0		133	0
3553......	0.0487		0.0475	>4		133, 174	0
3554......	0.0470		0.0458	>3		148, 174	0
3555......	0.0488		0.0476	>4		133, 174	0
3556......	0.0479		0.0467	79	643	205	N
3557......	0.0764		0.0752	>0		133	0
3558......	0.0480		0.0468	341	977	180, 193	N
3559......	0.0461		0.0449	39	443	180	N
3560......	0.0489		0.0477	14	1123	224	0
3562......	0.0490		0.0478	114	1048	180	0
3564......	0.0505		0.0493	4	464	224	0
3565......	0.0123		0.0111	45	842	224	0
3566......	0.0510		0.0498	25	1204	224	0
3570......	0.0366		0.0354	6	603	224	0
3571......	0.0391		0.0379	84	988	224	0
3572......	0.0517		0.0505	6	1216	224	N
3574......	0.0160		0.0148	55	793	224	N
3575......	0.0377		0.0365	10	476	224	0

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
3577......	0.0494		0.0482	18	487	224	0
3578......	0.0393		0.0381	25	1262	224	0
3581......	0.0230		0.0218	24	577	224	0
3593......	0.1196		0.1184	1		125	0
3596......	0.0878		0.0866	1		157	0
3603......	0.0601		0.0589	>2		133, 157	0
3618......	0.1222		0.1210	>0		133	0
3627......	0.0157		0.0145	112	897	168	0
3629......	0.0847		0.0835	>0		133	0
3632......	0.0412		0.0400	>0		160	0
3638......	0.0806		0.0794	>0		133	0
3639......	0.1496		0.1484	10		170	0
3651......	0.0599		0.0587	78	661	149, 180	0
3653......	0.1089		0.1077	1		148	0
3656......	0.0190		0.0178	17	371	224	0
3659......	0.0907		0.0895	>2		133, 164	0
3663......	0.2401		0.2389	5	1593	208	0
3664......	0.0369		0.0357	>0		143	0
3665......	0.2370	3	0.2358	5		158	0
3667......	0.0556		0.0544	162	1059	149, 180	0
3676......	0.0404		0.0392	>3		148, 143	0
3677......	0.0912		0.0900	8		149	0
3682......	0.0921		0.0909	10	863	149, 180	0
3685......	0.0620		0.0608	1		Fet	0
3686......	0.0878		0.0866	1		133, 164	0
3687......	0.0759		0.0747	>1		133, 125	0
3691......	0.0873		0.0861	33	792	149, 180	0
3692......	0.0804		0.0792	1		157	0
3693......	0.0910		0.0898	16	585	149, 180	0
3694......	0.0936		0.0924	2		157	0
3695......	0.0894		0.0882	81	845	149, 180	0
3696......	0.0882		0.0870	12	428	149, 180	0
3698......	0.0200		0.0188	7	230	224	0
3703......	0.0735		0.0723	18	455	149, 180	N
3705......	0.0906		0.0894	40	877	73, 193	N
3706......	0.1018		0.1006	>0		133, 148	0
3716......	0.0462		0.0450	111	733	149	0
3727......	0.1190	3	0.1178	<4		195	N
3733......	0.0382		0.0370	91	760	224	N
3735......	0.2211:		0.2199	>0		160	0
3736......	0.0487		0.0475	>3		148	0
3739......	0.0820	3	0.0808	16		145	N
3740......	0.1521		0.1509	2		184	0
3742......	0.0164		0.0152	19	267	224	0
3744......	0.0381		0.0369	66	559	149, 180	0
3747......	0.0310		0.0298	10	391	224	0
3756......	0.0769		0.0757	1		157	0
3757......	0.0970	3	0.0958	<4		195	N
3758......	0.1030	3	0.1018	0		221	N
3764......	0.0757		0.0745	38	671	149, 180	0
3771......	0.0796		0.0784	>1		133, 125	0
3775......	0.1048		0.1036	3		184	0
3778......	0.1115		0.1103	3		186	N
3781......	0.0571		0.0559	4		180	N
3782......	0.0554		0.0542	>0		133, 125	0
3783......	0.1955		0.1943	>0		133	0
3785......	0.0773		0.0761	>0		133, 125	0
3793......	0.1150	3	0.1138	<4		195	N
3795......	0.0890		0.0878	13	336	149, 180	0
3796......	0.0755		0.0743	>1		133, 125	N

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
3799......	0.0453		0.0441	10	428	149, 180	0
3800......	0.0990	3	0.0978	<4		195	N
3802......	0.1630	3	0.1618	<4		195	N
3806......	0.0765		0.0753	84	813	149, 180	0
3809......	0.0620		0.0608	77	499	149, 180	0
3812......	0.1067		0.1055	1		184	N
3813......	0.0936		0.0924	>2		133, 164	0
3814......	0.1179		0.1167	4		186	N
3816......	0.0385		0.0373	31	452	225	0
3822......	0.0759		0.0747	84	969	149, 180	0
3825......	0.0760		0.0748	59	698	149, 180, 193	0
3826......	0.0754		0.0742	1		149	0
3827......	0.0984		0.0972	20	1114	149, 180	0
3831......	0.0650	3	0.0638	>0		125	0
3836......	0.1100	3	0.1088	<4		195	N
3837......	0.0896		0.0884	2		186	N
3844......	0.0731		0.0719	3		186	N
3847......	0.1530	3	0.1518	1		219	N
3849......	0.0678		0.0666	>1		133, 125	0
3851......	0.0530		0.0518	>1		133, 125	0
3854......	0.1492		0.1480	30	1180	73	N
3856......	0.1379		0.1367	4		186	N
3858......	0.1564		0.1552	4		186	N
3864......	0.1033		0.1021	32	940	180	0
3869......	0.0398		0.0386	>3	237	148, 133, 125, 224	N
3875......	0.1300	3	0.1288	<4		195	N
3876......	0.1130	3	0.1118	<4		195	N
3877......	0.0990	3	0.0978	3		145	0
3879......	0.0669		0.0657	46	516	149, 180	0
3880......	0.0584		0.0572	22	855	192	N
3883......	0.1025		0.1013	3		184	0
3886......	0.0748		0.0736	>0		133	0
3888......	0.1510		0.1498	70	1831	93	0
3889......	0.2511		0.2499	24	1119	208	0
3895......	0.0590		0.0578	5	388	224	N
3907......	0.0980	3	0.0968	<4		195	N
3908......	0.0900	3	0.0888	<4		195	N
3910......	0.0900		0.0888	3		184	0
3911......	0.0965		0.0953	>1		148, 149	0
3912......	0.0663		0.0651	>3		133, 164	0
3916......	0.1260	3	0.1248	<4		195	N
3920......	0.1260		0.1248	3		186	N
3921......	0.0936		0.0924	32	585	149, 180	0
3922......	0.0970		0.0958	2		184	0
3925......	0.0830	3	0.0818	<4		195	N
3934......	0.2241		0.2229	>0		133	0
3939......	0.1494		0.1482	10	311	170	0
3944......	0.1732		0.1720	2		207	N
3959......	0.0751		0.0739	>0		133	0
3963......	0.0889		0.0877	>0		133	0
3968......	0.1671		0.1659	3		186	N
3969......	0.0699		0.0687	1		180	0
3971......	0.1470	3	0.1458	<4		195	N
3972......	0.0890	3	0.0878	<4		195	N
3984......	0.1805		0.1793	3		186	N
3992......	0.0902		0.0890	>0		133, 157	0
3998......	0.0883		0.0871	2		186	N
4003......	0.0866		0.0854	1		218	N
4008......	0.0549		0.0537	27	424	149, 180	0
4010......	0.0957		0.0945	30	615	149, 180	N

TABLE 1—*Continued*

ACO (1)	$\bar{z}_h$ (2)	a (3)	$\bar{z}_C$ (4)	N_z (5)	σ_{corr} (km s^{-1}) (6)	References (7)	Notes (8)
4012......	0.0510	3	0.0498	2		145	0
4013......	0.0500	3	0.0488	17		145	N
4018......	0.1110	3	0.1098	<4		195	N
4021......	0.1086		0.1074	3		186	N
4038......	0.0300		0.0288	157	882	224	N
4043......	0.2100	2	0.2088	>0		212	0
4049......	0.0648		0.0636	4	1579	224	N
4053......	0.0720		0.0708	17	731	149, 180	N
4058......	0.0638:		0.0626	>0		160	0
4059......	0.0475		0.0463	45	628	224	0
4067......	0.0989		0.0977	30	719	93, 180	0
4068......	0.1015		0.1003	>0		133, 152	0

TABLE 2

NEW AND REVISED NOTES TO TABLE 1

Cluster	Note
A13	Ref. 193 partitions the velocities into two subgroups: $N_z = 21$, $z = 0.0972$, $\sigma = 515$ km s^{-1}, and $N_z = 29$, $z = 0.0919$, $\sigma = 361$ km s^{-1}.
A14	EDCC 418 of Ref. 186.
A15	EDCC 419 of Ref. 186. Additional superpositions: $z = 0.0865$ and 0.1450.
A42	EDCC 447 of Ref. 186.
A50	Object MRC B0028−223 of Ref. 221.
A76	Hickson Compact Group 5 is a subcluster (Rood & Struble 1994).
A80	EDCC 471 of Ref. 186.
A85	$\bar{z}_h$ is from Ref. 209; σ_{corr} was provided by F. Durret, (1999, private communication), who notes that it is comprised of several components and may not be meaningful.
A87	Ref. 200 gives $N_z = 12$, $z = 0.0543$, $\sigma = 927$ km s^{-1}, as well as individual velocities, but references in Table 1 do not, so they cannot be combined with those in Ref. 200. Ref. 210 notes several subclusters but lists no data.
A88	EDCC 474 of Ref. 186. Additional superpositions: $N_z = 3$, $z = 0.1137$; $N_z = 1$, $z = 0.1224$; and $N_z = 3$, $z = 0.0543$.
A89	Ref. 125 gives Fet as the origin of z, but this cluster is not listed in Fet, so its origin is not known; σ is from Ref. 210, but N_z is not given. Ref. 210 also gives the foreground group's $\sigma = 733$ km s^{-1}, but neither $\bar{z}$ nor N_z is given.
A90	Ref. 144 lists a foreground galaxy at $z = 0.0584$.
A115	If all $N_z = 24$ in Ref. 102 are used, $z = 0.1924$ and $\sigma_{corr} = 1610$ km s^{-1}.
A118	Ref. 193 also partitions the velocities into two subgroups: $N_z = 13$, $z = 0.1137$, $\sigma = 187$ km s^{-1}, and $N_z = 13$, $z = 0.1127$, $\sigma = 385$ km s^{-1}.
A119	Ref. 149 lists $z = 0.0442$ for $N_z = 125$, but no σ. Ref. 189, using data in Ref. 180, partitions the velocities into three subclusters: $N_z = 53$, $z = 0.0438$, $\sigma = 212$ km s^{-1}; $N_z = 18$, $z = 0.0457$, $\sigma = 100$ km s^{-1}; and $N_z = 13$, $z = 0.0416$, $\sigma = 80$ km s^{-1}.
A133	$\bar{z}_h$ and σ_{corr} are determined from galaxies within 0.5 Mpc of the brightest cluster galaxy in the core.
A140	EDCC 520 of Ref. 186.
A147	$\bar{z}_h$ from Ref. 119, σ from Ref. 224, $N_z = 8$.
A151	$\sigma_{corr} = 471$ km s^{-1} using $N_z = 12$ of Ref. 86. Ref. 180 lists data for superposed groups: $N_z = 40$, $z = 0.0997$, $\sigma = 857$ km s^{-1}, and $N_z = 29$, $z = 0.0410$, $\sigma = 395$ km s^{-1}.
A158	σ_{corr} for $N_z = 5$ is from Ref. 9; Ref. 77 does not give one.
A168	Ref. 119 gives $N_z = 23$ and cites Ref. 102 as origin, which gives only $N_z = 13$, and σ_{corr} is determined from the latter. Ref. 149 gives $z = 0.0541$ for $N_z = 76$, but gives no σ.
	Ref. 193 partitions the velocities into three subgroups: $N_z = 25$, $\bar{z} = 0.0469$, $\sigma = 118$ km s^{-1}; $N_z = 29$, $\bar{z} = 0.0436$, $\sigma = 160$ km s^{-1}; and $N_z = 21$, $\bar{z} = 0.0454$, $\sigma = 88$ km s^{-1}.
A229	Ref. 200 gives $N_z = 11$, $\bar{z} = 0.1143$, $\sigma = 1320$ km s^{-1}, as well as individual velocities but Ref. 180 does not, so they cannot be combined with those in Ref. 200.
A260	Ref. 119 cites Ref. 102 as the source of z, but this reference does not list the cluster. Individual velocities are not listed, so σ cannot be computed.
A262	Ref. 204 gives z and σ as a function of distance from cluster center ($N_z = 82$).
A264	Object MRC B0149−260 of Ref. 221.
A286	Ref. 142 also lists $z = 0.0791$.
A294	Ref. 144 suspects z is that of a foreground galaxy.
A303	Ref. 200 lists a background group: $N_z = 3$, $z = 0.1653$.

TABLE 2—*Continued*

Cluster	Note
A319	Ref. 144 lists a foreground galaxy at $z = 0.076$. Ref. 193 partitions the velocities into foreground/background superpositions: $N_z = 13$, $z = 0.0882$, $\sigma = 394$ km s^{-1}, and $N_z = 13$, $z = 0.0936$, $\sigma = 479$ km s^{-1}.
A370	Couch et al. (1994) list $N_z = 47$, but state that "the S/N of these spectra is often poor"; $z = 0.374$ and $\sigma = 1584$ km s^{-1}, but individual redshifts are given to between 2 and 4 decimal places.
A384	*IRAS* object 02459 − 0234 of Ref. 220.
A389	EDCC 699 of Ref. 186, which also lists a foreground galaxy, $z = 0.0344$.
A400	Ref. 134 also partitions the velocities into two subgroups: $N_z = 63$, $z = 0.0233$, $\sigma = 486$ km s^{-1} and $N_z = 17$, $z = 0.0274$, $\sigma = 245$ km s^{-1}.
A419	Ref. 148 lists a foreground group: $N_z > 3$, $z = 0.0408$.
A420	Ref. 200 gives $N_z = 6$, $z = 0.0846$, $\sigma = 1322$ km s^{-1}, as well as individual velocities, but references in Table 1 do not, so they cannot be combined with those in Ref. 200.
A423	Ref. 200 lists a foreground group: $N_z = 7$, $z = 0.0486$, $\sigma = 875$ km s^{-1}.
A438	Ref. 144 lists a foreground galaxy at $z = 0.031$.
A496	Ref. 92 does not list individual velocities, so they cannot be combined with those in Ref. 117. Ref. 180 lists $N_z = 134$, $z = 0.0328$, $\sigma = 682$ km s^{-1}.
A510	Ref. 144 lists $z = 0.199$ of a background galaxy.
A513	Ref. 31 also lists $N_z = 1$, $z = 0.1105$.
A524	Ref. 180 lists a foreground group: $N_z = 10$, $z = 0.0561$, $\sigma = 211$ km s^{-1}.
A526	Ref. 34 lists $N_z > 0$, $z = 0.0541$ as given in SR1 and SR2. Ref. 200 lists a background group: $N_z = 4$, $z = 0.1070$, $\sigma = 738$ km s^{-1}.
A527	Ref. 121 also lists $N_z = 1$, $z = 0.0841$.
A533	Ref. 121 also lists $N_z = 3$, $z = 0.0453$.
A536	The value of z is low for this $D = 5$ cluster, so object (a binary galaxy) may be foreground.
A539	Two velocities given in Ref. 17 are probably foreground (M. Kowalski, 1990, private communication), so $z_{\rm adt}$ is $z_{\rm SRS}$ and $z_{\rm Fet}$.
	Ref. 149 gives $\sigma = 592$ km s^{-1} but not N_z. Hickson Compact Group 34 is a subcluster (Rood & Struble 1994).
A548	Ref. 149 partitions the velocities into two subgroups: W: $z = 0.0402$, $\sigma = 656$ km s^{-1} and E: $z = 0.0424$, $\sigma = 902$ km s^{-1}, but N_z is listed for neither.
	Ref. 180 lists superpositions: $N_z = 21$, $z = 0.1009$, $\sigma = 406$ km s^{-1}, and $N_z = 15$, $z = 0.0868$, $\sigma = 1060$ km s^{-1}.
	Ref. 214 gives velocities for $N_z = 64$, $z = 0.0429$, $\sigma = 869$ km s^{-1} which overlap A3367, and were mistaken as members of this more distant cluster in Ref. 125.
A569	Ref. 123 partitions the velocities into two subgroups: $N_z = 12$, $z = 0.0199$, $\sigma = 501$ km s^{-1}, and $N_z = 18$, $z = 0.0197$, $\sigma = 324$ km s^{-1}.
A576	Ref. 187 lists for non–emission galaxies $N_z = 111$, $z = 0.0387$, $\sigma = 977$ km s^{-1}, and for emission galaxies $N_z = 58$, $z = 0.0389$, $\sigma = 1297$ km s^{-1}; it also lists for the core ($r < 0.132$ Mpc, $H_0 = 100$ km s^{-1} Mpc^{-1}) $N_z = 10$, $\sigma = 387$ km s^{-1}.
A578	Ref. 75 lists redshifts for two galaxies with coordinates in this cluster, but gives the cluster as A571; this typo or misidentification is corrected in Owen & White 1991.
A595	Ref. 119 lists $N_z = 3$, $z = 0.0691$.
A629	SRS, SR1, and SR2 give $z = 0.138$.
A699	Ref. 200 lists a background group: $N_z = 4$, $z = 0.1053$, $\sigma = 238$ km s^{-1}.
A720	Ref. 144 lists a foreground group: $N_z = 3$, $z = 0.0743$.
A738	Ref. 31 also lists $N_z = 1$, $z = 0.2599$.
A750	Cluster MS 0906.5 + 1100 of Ref. 206. Ref. 226 gives $z = 0.1630$.
A779	Ref. 217 lists two background clusters: $z = 0.0483$ and $z = 0.0596$.
A780	Ref. 125 cites Fet and SRS as origin, but they both list $z = 0.0799$.
A851	Identified as cluster 0939 + 4713 in Ref. 190.
A912	$z_{\rm Fet}$ is probably wrong; SR catalog notes "looks closer than $D = 5$ cluster."
A913	Ref. 21 gives $z = 0.366$.
A919	Ref. 144 lists a foreground galaxy at $z = 0.085$.
A957	Ref. 123 lists a foreground group: $N_z = 32$, $z = 0.0439$, $\sigma = 1009$ km s^{-1}. Ref. 193 partitions the velocities into foreground/background superpositions: $N_z = 21$, $z = 0.0416$, $\sigma = 254$ km s^{-1}, and $N_z = 23$, $z = 0.0457$, $\sigma = 481$ km s^{-1}.
	Ref. 223 partitions $N_z = 32$ velocities by morphological type.
A963	The value of $\bar{z}$ is from Ref. 16. Ref. 213 states that $N_z = 56$ are cluster members but uses only $N_z = 36$ red members to compute $\sigma_{\rm corr}$.
A979	Ref. 223 partitions $N_z = 15$ velocities into morphological type, and lists a foreground group: $N_z = 5$, $z = 0.0359$.
A993	Ref. 224 notes that the cluster has a large spread in velocities between 9000 and 18,000 km s^{-1}.
A994	Ref. 144 (Table 3) gives z determined from spectra obtained during very bad seeing.
A999	Hickson Compact Group 47 is a subcluster (Rood & Struble 1994).
A1016	Ref. 224 lists a background group: $N_z = 6$, $z = 0.0476$, $\sigma = 747$ km s^{-1}.
A1035	Note that $\sigma_{\rm corr}$ of Ref. 224 is 54% smaller than that of Ref. 200 (1365 km s^{-1}, $N_z = 11$). Ref. 224 lists a background group: $N_z = 8$, $z = 0.0789$, $\sigma = 567$ km s^{-1}.
A1047	Ref. 144 lists a foreground galaxy at $z = 0.0961$.
A1060	Hickson Compact Group 48 is a subcluster (Rood & Struble 1994).
A1097	Ref. 125 also lists $N_z = 1$, $z = 0.0793$.
A1142	Note that $\sigma_{\rm corr}$ of Ref. 224 is over twice as large as that of Ref. 119 (417 km s^{-1}, $N_z = 41$).
A1222	Ref. 200 lists a foreground group: $N_z = 4$, $z = 0.0532$, $\sigma = 703$ km s^{-1}.
A1228	Note that $\sigma_{\rm corr}$ of Ref. 224 is *five* times larger than that of Ref. 150 (196 km s^{-1}, $N_z = 20$).
A1232	Ref. 18 also lists $z = 0.1997$.
A1318	Note that $\sigma_{\rm corr}$ of Ref. 224 is about twice as large as that of Ref. 121 (284 km s^{-1}, $N_z = 9$).
A1365	Ref. 200 lists a foreground group: $N_z = 11$, $z = 0.0590$, $\sigma = 428$ km s^{-1}.
A1367	From velocities between 4000 and 9000 km s^{-1}.

TABLE 2—*Continued*

Cluster	Note
A1376	Ref. 200 lists a background group: $N_z = 4$, $z = 0.0797$, $\sigma = 93$ km s^{-1}.
A1423	Ref. 141 lists a galaxy at $z = 0.213$.
A1449	Ref. 215 gives $z = 0.135$.
A1452	Hickson Compact Group 60 is the central subcluster (Rood & Struble 1994).
A1505	Ref. 144 lists a foreground group: $z = 0.112$, but N_z is not given.
A1525	Ref. 21 gives $z = 0.325$.
A1541	σ is from Ref. 200 ($N_z = 12$, $z = 0.0888$); Ref. 119 does not list individual velocities, so more accurate σ cannot be computed.
A1577	Ref. 125 questions the z they cite.
A1601	Ref. 125 questions the accuracy of the z they cite.
A1644	Ref. 193 lists $N_z = 84$, $z = 0.0464$, but smaller $\sigma = 759$ km s^{-1}.
A1651	Ref. 193 partitions the velocities into two subgroups: $N_z = 20$, $z = 0.0893$, $\sigma = 685$ km s^{-1}, and $N_z = 10$, $z = 0.0805$, $\sigma = 363$ km s^{-1}.
A1736	Ref. 193 partitions the velocities into foreground/background superpositions: $N_z = 34$, $z = 0.0347$, $\sigma = 415$ km s^{-1}; $N_z = 37$, $z = 0.0439$, $\sigma = 569$ km s^{-1}, and $N_z = 26$, $z = 0.0493$, $\sigma = 456$ km s^{-1}.
	Ref. 224 lists $N_z = 55$, $z = 0.0347$, $\sigma = 386$ km s^{-1} as the Abell cluster, which is probably a foreground group.
A1750	Ref. 123 partitions the velocities into three subclusters: N: $N_z = 18$, $z = 0.0829$, $\sigma = 606$ km s^{-1}, S: $N_z = 9$, $z = 0.0865$, $\sigma = 287$ km s^{-1}, and C (central): $N_z = 20$, $z = 0.0868$, $\sigma = 705$ km s^{-1}.
	Ref. 167 partitions the velocities into two subclusters: $N_z = 24$, $z = 0.0795$, $\sigma = 731$ km s^{-1}, and $N_z = 27$, $z = 0.0838$, $\sigma = 609$ km s^{-1}.
A1775	Hintzen 1979 originally suggested A1775 was comprised of two superimposed clusters, and Ref. 102 agrees: A1775A: $N_z = 12$, $z = 0.0662$, $\sigma = 896$ km s^{-1}, and A1775B: $N_z = 16$, $z = 0.0760$, $\sigma = 378$ km s^{-1}.
	A photometric study by Hayes & Bhattacharya (1989) of the most luminous galaxy, a supergiant binary, suggests that the object is two galaxies in collision within a single cluster.
	Ref. 154 partitions velocities into two subclusters: A: $N_z = 21$, $z = 0.0650$, $\sigma = 518$ km s^{-1}, and B: $N_z = 29$, $z = 0.0780$, $\sigma = 394$ km s^{-1}.
	Ref. 193 also partitions velocities into two subclusters: $N_z = 25$, $z = 0.0650$, $\sigma = 478$ km s^{-1}, and $N_z = 10$, $z = 0.0759$, $\sigma = 293$ km s^{-1}.
A1791	Object MRC B1346 − 252 of Ref. 221.
A1825	Ref. 119 lists $N_z = 2$, $z = 0.0633$, but their citation (No. 26 in SR1) lists $N_z = 1$.
A1831	Ref. 224 lists a background group with $N_z = 10$, $z = 0.0763$, $\sigma = 753$ km s^{-1}.
A1837	Ref. 217 lists a foreground group at $z = 0.0368$.
A1852	Ref. 200 finds no obvious clustering of redshifts, and so claims the cluster is nonexistent.
A1856	Ref. 125 questions the accuracy of the z they cite.
A1905	Ref. 125 questions the accuracy of the z they cite.
A1926	Ref. 200 lists a foreground group: $N_z = 4$, $z = 0.0798$, $\sigma = 162$ km s^{-1}.
A1927	Ref. 217 notes that AWM 3 with $z = 0.0047$ is foreground.
A1950	Ref. 144 lists a foreground galaxy at $z = 0.064$.
A1960	Ref. 200 finds no obvious clustering of redshifts, and so claims the cluster is nonexistent.
A1975	Ref. 31 lists $N_z = 1$, $z = 0.0911$.
A1983	Note that σ_{corr} of Ref. 224 is 83% larger than those of Refs. 78 and 123 combined (498 km s^{-1}, $N_z = 77$).
A1991	The values of z and σ_{corr} are derived from samples A and B (with suspected foreground members of A1983 removed) of Ref. 123. Two velocities with values less than 21,000 km s^{-1} are not used.
A1999	Ref. 119 lists $N_z = 1$, $z = 0.1018$, but their citation gives the value adopted in SR1 and SR2.
A2040	Ref. 193 lists $N_z = 28$, $z = 0.0454$, but a smaller $\sigma = 458$ km s^{-1}. Ref. 200 gives $N_z = 19$, $z = 0.0547$, $\sigma = 693$ km s^{-1}, as well as individual velocities, but references in Table 1 do not, so they cannot be combined with those in Ref. 200.
	Ref. 223 partitions $N_z = 25$ velocities by morphological type.
A2048	Ref. 200 gives $N_z = 10$, $z = 0.0942$, $\sigma = 749$ km s^{-1}, as well as individual velocities, but references in Table 1 do not, so they cannot be combined with those in Ref. 200.
A2055	Ref. 125 lists $N_z = 1$, $z = 0.1085$. Ref. 226 gives $z = 0.1021$.
A2059	Ref. 125 lists $N_z = 2$, $z = 0.1272$.
A2061	Values of z and σ_{corr} are from galaxies $\leq 1.5h^{-1}$ Mpc.
A2063	Ref. 223 partitions $N_z = 34$ velocities by morphological type.
A2065	Values of z and σ_{corr} from galaxies $\leq 1.5h^{-1}$ Mpc.
A2067	Values of z and σ_{corr} from galaxies $\leq 1.5h^{-1}$ Mpc. Ref. 217 lists background cluster: $N_z = 22$, $z = 0.1133$, $\sigma = 716$ km s^{-1}.
A2079	Value of σ_{corr} is computed only for $N_z = 29$ in Ref. 102, since Ref. 95 does not list individual velocities.
	Ref. 199 gives $z = 0.0655$ and $\sigma_{corr} = 652$ km s^{-1} for $N_z = 26$ galaxies $\leq 1.5h^{-1}$ Mpc.
A2089	Values of z and σ_{corr} from galaxies $\leq 1.5h^{-1}$ Mpc.
A2092	Values of z and σ_{corr} from galaxies $\leq 1.5h^{-1}$ Mpc.
A2128	Ref. 144 lists a foreground galaxy at $z = 0.0574$.
A2147	Ref. 125 mistakenly lists $N_z = 121$ when the reference they cite notes that this is the *total* for the Hercules supercluster containing A2147, A2151, and A2152.
A2148	Ref. 224 notes that the cluster has a large spread in velocities, but no identifiable cluster is evident in the velocity histogram.
A2149	Ref. 77 lists a background group with $N_z = 1$, $z = 0.1064$.
A2152	Note that σ_{corr} of Ref. 224 is 87% larger than that of Ref. 201 (715 km s^{-1}, $N_z = 56$). Membership in this cluster is problematic because of overlaps with A2151 within the Hercules supercluster.
A2162	Ref. 224 lists a background group with $N_z = 39$, $z = 0.0511$, $\sigma = 677$ km s^{-1}.
A2175	Ref. 119 does not list individual velocities, so σ cannot be computed.

TABLE 2—*Continued*

Cluster	Note
A2177	Cluster MS 1618.9 + 2552 of Ref. 206.
A2197	Value of σ_{corr} is based on the largest sample of Table 2 in Ref. 67, since the others given are statistically indistinguishable.
	Ref. 125 lists $N_z = 60$, but their citations do not contain this many individual velocities.
A2256	Hickson Compact Group 84 is a subcluster (Rood & Struble 1994).
A2319	Ref. 154 also partitions the velocities into two subgroups: $N_z = 100$, $z = 0.0534$, $\sigma = 1324$ km s^{-1}, and $N_z = 28$, $z = 0.0631$, $\sigma = 742$ km s^{-1}.
A2354	Ref. 149 does not give σ, but gives a foreground group: $N_z = 4$, $z = 0.038$.
A2361	Ref. 180 gives $N_z = 24$, but Ref. 149 gives $N_z = 17$ (possible confusion with data for A2362?).
A2362	Ref. 180 gives $N_z = 17$, but Ref. 149 gives $N_z = 24$ (possible confusion with data for A2361?).
A2390	We compute z and σ_{corr} from data in Ref. 118; note that they give $\sigma = 2112$ km s^{-1} for $N_z = 43$ from galaxy spectra with "good" signal to noise.
A2403	APM 735 of Ref. 195.
A2412	Ref. 119 lists $N_z = 1$, $z = 0.0736$. We do not include this in the new average.
A2426	Ref. 200 gives $N_z = 6$, $z = 0.0987$, $\sigma = 674$ km s^{-1}, as well as individual velocities, but references in Table 1 do not, so they cannot be combined with those in Ref. 200.
	Ref. 180 lists a foreground group: $N_z = 11$, $z = 0.0879$, $\sigma = 313$ km s^{-1}.
A2428	Ref. 144 lists a foreground group: $N_z = 2$, $z = 0.0385$.
A2440	Ref. 188 partitions the velocities into three possible subclusters: G1: $N_z = 18$, $z = 0.0906$, $\sigma = 876$ km s^{-1}, G2: $N_z = 15$, $z = 0.0899$, $\sigma = 1083$ km s^{-1}, and G3: $N_z = 14$, $z = 0.0916$, $\sigma = 728$ km s^{-1}.
A2443	Ref. 122 gives $N_z = 1$, $z = 0.0892$.
A2459	Ref. 119 cites SR1 as the origin of the z, but it does not appear there; the z listed in SR1 is for A2462.
A2462	Same cluster identified as A3897 by ACO.
A2500	Ref. 180 lists foreground group: $N_z = 12$, $z = 0.0783$, $\sigma = 283$ km s^{-1}.
A2512	Ref. 144 lists foreground galaxy at $z = 0.1001$.
A2534	Ref. 149 lists $\sigma = 682$ km s^{-1} but no N_z.
A2538	Ref. 180 gives $\sigma = 861$ km s^{-1} for same N_z. Ref. 193 partitions the velocities into foreground/background superpositions: $N_z = 23$, $z = 0.0858$, $\sigma = 326$ km s^{-1}, and $N_z = 18$, $z = 0.0808$, $\sigma = 410$ km s^{-1}.
A2541	EDCC 256 of Ref. 186, which also gives $N_z = 2$, $z = 0.0908$.
A2569	Ref. 200 gives $N_z = 13$, $z = 0.0800$, $\sigma = 592$ km s^{-1}, as well as individual velocities, but references in Table 1 do not, so they cannot be combined with those in Ref. 200.
A2572	Ref. 185 suggests the cluster is a projection of foreground ($z = 0.04$) and background ($z = 0.15$) groups; σ is from Ref. 163, which does not give the value of N_z on which it is based. Hickson Compact Group 94 is a subcluster (Rood & Struble 1994). See Ebeling, Mendes de Olivera, & White 1995 for discussion.
A2583	APM 890 of Ref. 195.
A2589	Ref. 111 gives $\sigma = 811$ km s^{-1} for $N_z = 25$ galaxies within a projected separation of $300h^{-1}$ kpc of the central galaxy. The z and σ_{corr} given include sample A of Ref. 123.
A2593	Values of z and σ_{corr} are for sample A of Ref. 123.
A2599	EDCC 297 of Ref. 186, which also lists $N_z = 2$, $z = 0.1137$.
A2606	Object MRC B2327 − 215 of Ref. 221.
A2620	Ref. 142 also lists $z = 0.1911$.
A2626	Ref. 188 also lists subgroup B: $N_z = 30$, $z = 0.0647$, $\sigma = 415$ km s^{-1}, and a background group C: $N_z = 11$, $z = 0.0713$, $\sigma = 200$ km s^{-1}.
	Ref. 224 lists a background group: $N_z = 14$, $z = 0.0646$, $\sigma = 761$ km s^{-1}.
A2634	Note that σ_{corr} of Ref. 224 is 56% larger than that of Ref. 191 (716 km s^{-1}, $N_z = 200$, and refer to values within 2°). Ref. 191 also gives values within 0°.5: $N_z = 99$, $z = 0.0313$, $\sigma = 800$ km s^{-1}.
A2637	Ref. 224 notes that this is probably the same as their cluster A2626C.
A2644	Ref. 200 gives $N_z = 3$, and $z = 0.0702$, as well as individual velocities, but references in Table 1 do not, so they cannot be combined with those in Ref. 200. Ref. 149 does not give σ, and also lists superimposed groups: $N_z = 4$, $z = 0.060$, and $N_z = 7$, $z = 0.133$.
A2657	Values of z and σ_{corr} are for samples A and B of Ref. 123, excluding two velocities less than 9000 km s^{-1}.
A2666	The z and σ given refer to values within $1R_A$; Ref. 191 also gives values within 0.5 R_A: $N_z = 26$, $z = 0.0279$, $\sigma = 380$ km s^{-1}.
A2670	Ref. 196 partitions a subset of the cluster velocities of Ref. 82 into four subclusters: A: $N_z = 76$, $z = 0.0774$, $\sigma = 271$ km s^{-1}, B: $N_z = 40$, $z = 0.0809$, $\sigma = 347$ km s^{-1}, C: $N_z = 106$, $z = 0.0737$, $\sigma = 544$ km s^{-1}, and D: $N_z = 7$, $z = 0.0655$, $\sigma = 210$ km s^{-1}.
A2681	APM 941 of Ref. 195.
A2683	Galaxy 058 of UKST field 537 of Ref. 218.
A2703	The z_{SR1} and z_{SR1} values given are heliocentric values (typos).
A2715	EDCC 392 of Ref. 186. Ref. 149 lists a foreground group: $N_z = 7$, $z = 0.0976$.
A2717	EDCC 394 of Ref. 186.
A2721	EDCC 400 of Ref. 186.
A2730	EDCC 408 of Ref. 186.
A2731	Value of $\sigma(N_z = 3)$ is from Ref. 224.
A2749	EDCC 421 of Ref. 186.
A2751	APM 35 of Ref. 195. Ref. 184 lists foreground groups: $N_z = 1$, $z = 0.0805$, and $N_z = 1$, $z = 0.0719$.
A2753	APM 34 of Ref. 195.
A2755	EDCC 429 of Ref. 186.
A2767	EDCC 438 of Ref. 186.

TABLE 2—*Continued*

Cluster	Note
A2769	From galaxies 31614, 31641, and 34431 of Ref. 207.
A2771	From galaxies 31715, 31720, 31748, 34444, 34445, 34463, and 35107 of Ref. 207.
A2778	EDCC 448 of Ref. 186, which also gives $N_z = 3$, $z = 0.1281$ and $N_z = 3$, $z = 0.1198$. Ref. 180 lists a background group: $N_z = 10$, $z = 0.1182$, $\sigma = 557$ km s^{-1}.
A2780	EDCC 450 of Ref. 186.
A2790	EDCC 460 of Ref. 186.
A2798	Ref. 184 lists $N_z = 21$, $z = 0.1130$; σ in Ref. 193 is for $N_z = 18$.
A2804	APM 99 of Ref. 195.
A2811	EDCC 473 of Ref. 186.
A2819	Ref. 180 lists a background group: $N_z = 44$, $z = 0.0867$, $\sigma = 359$ km s^{-1}.
A2824	Value of $\sigma_{corr}(N_z = 6)$ is from Ref. 224.
A2829	EDCC 485 of Ref. 186, which gives $N_z = 6$, $z = 0.1124$, $\sigma = 443$ km s^{-1}.
A2840	From galaxies 37428, 37436, 39910, 39915, 39917, 39919, and 40484 of Ref. 207.
A2844	EDCC 500 of Ref. 186.
A2846	Galaxy 029 of UKST field 411 of Ref. 218.
A2852	Galaxies 38467, 38470, 38473, 38520, and 40136 of Ref. 207.
A2853	Galaxy 40149 of Ref. 207.
A2857	Galaxies 38749, 38783, 38814, and 40217 of Ref. 207.
A2860	EDCC 519 of Ref. 186.
A2870	Note that σ_{corr} of Ref. 224 is 2.5 times larger than that of Ref. 194 (372 km s^{-1}, $N_z = 7$).
A2871	EDCC 524 of Ref. 186. Ref. 180 lists a foreground group: $N_z = 14$, $z = 0.1132$, $\sigma = 319$ km s^{-1}.
A2874	From galaxies 22508, 22532, 22546, 22554, 22559, 22594, 22596, 22631, 22702, 26044, 26045, 26054, 26056, 26057, 26058, 26059, and 26070 of Ref. 207, and EDCC 526 of Ref. 186.
A2911	EDCC 557 of Ref. 186. Ref. 148's z is for a foreground group: $N_z = 3$, $z = 0.0201$.
A2912	APM 176 of Ref. 195.
A2919	Galaxy 052 of UKST field 476 of Ref. 218.
A2923	EDCC 571 of Ref. 186.
A2926	EDCC 575 of Ref. 186.
A2938	Cluster R84155 of Ref. 206.
A2961	Galaxy 027 of UKST field 414 of Ref. 218.
A2962	EDCC 606 of Ref. 186.
A2969	EDCC 618 of Ref. 186.
A2983	APM 245 of Ref. 195.
A2984	EDCC 632 of Ref. 186.
A2998	APM 252 of Ref. 195.
A3023	Object MRC B0226 − 284 of Ref. 221.
A3027	EDCC 658 of Ref. 186. ID in Ref. 184.
A3038	Ref. 212 gives $z = 0.16$.
A3047	APM 290 of Ref. 195.
A3069	EDCC 710 of Ref. 186.
A3070	EDCC 712 of Ref. 186.
A3074	APM 323 of Ref. 195.
A3077	APM 328 of Ref. 195.
A3084	Galaxy 051 of UKST field 357 of Ref. 218.
A3089	EDCC 728 of Ref. 186.
A3094	EDCC 735 of Ref. 186.
A3098	EDCC 742 of Ref. 186.
A3104	APM 357 of Ref. 195.
A3108	Ref. 180 lists a background group: $N_z = 5$, $z = 0.0819$.
A3109	Ref. 162 lists $z = 0.0621$.
A3116	APM 377 of Ref. 195.
A3122	EDCC 758 of Ref. 186.
A3125	Includes only galaxies with $\delta < 54°$ and velocities within 17,000–18,500 km s^{-1} of Ref. 194.
A3128	Ref. 180 lists foreground groups: $N_z = 12$, $z = 0.0395$, $\sigma = 386$ km s^{-1}, and $N_z = 12$, $z = 0.0771$, $\sigma = 103$ km s^{-1}.
A3129	APM 405 of Ref. 195.
A3135	EDCC 762 of Ref. 186.
A3142	EDCC 765 of Ref. 186. Ref. 180 lists a foreground group: $N_z = 12$, $z = 0.0648$, $\sigma = 785$ km s^{-1}.
A3145	Galaxy 059 of UKST field 301 of Ref. 218.
A3165	Object MRC B0344 − 291 of Ref. 221.
A3195	APM 468 of Ref. 195.
A3202	Ref. 193 partitions the velocities into foreground/background superpositions: $N_z = 16$, $z = 0.0708$, $\sigma = 250$ km s^{-1}, and $N_z = 10$, $z = 0.0683$, $\sigma = 179$ km s^{-1}.
A3212	APM 476 of Ref. 195.
A3215	APM 480 of Ref. 195.
A3219	Cluster F1557.11BR of Ref. 166.

TABLE 2—*Continued*

Cluster	Note
A3234	APM 489 of Ref. 195.
A3279	APM 517 of Ref. 195.
A3331	APM 590 of Ref. 195.
A3341	Ref. 180 lists a foreground group: $N_z = 15$, $z = 0.0776$, $\sigma = 751$ km s^{-1}. Ref. 193 partitions the velocities into foreground/background superpositions: $N_z = 43$, $z = 0.0390$, $\sigma = 351$ km s^{-1}, and $N_z = 21$, $z = 0.0356$, $\sigma = 209$ km s^{-1}.
A3381	Cluster DC 0608 − 33 of Ref. 78. Note that σ_{corr} of Ref. 224 is 3.8 times larger than that of Ref. 78 (282 km s^{-1}, $N_z = 31$).
A3389	Ref. 224 notes that the velocity histogram has a long upper tail, which was truncated at 12,000 km s^{-1} to compute $\bar{z}$ and σ_{corr}.
A3395	The listed data are for cluster 0627 − 54S of Ref. 93, which also lists another subcluster 0627 − 54N with $N_z = 52$, $z = 0.0545$, $\sigma_{corr} = 1152$ km s^{-1}.
A3408	Ref. 178 lists galaxy 3 in A3407, but it is within the boundary of A3408.
A3526	Centaurus cluster. Ref. 193 partitions the velocities into two subclusters: $N_z = 121$, $z = 0.0108$, $\sigma = 447$ km s^{-1}, and $N_z = 41$, $z = 0.0157$, $\sigma = 289$ km s^{-1}.
	Ref. 222 partitions the velocities into two subclusters: $N_z = 99$, $z = 0.0113$, $\sigma = 933$ km s^{-1} (the "actual" cluster), and $N_z = 21$, $z = 0.0158$, $\sigma = 131$ km s^{-1} (a "loosely bound group" near it).
A3528	Ref. 180 lists a foreground group: $N_z = 28$, $z = 0.0526$, $\sigma = 969$ km s^{-1}.
A3537	Ref. 224 lists a foreground galaxy: $N_z = 1$, $z = 0.0548$.
A3556	Ref. 205 also partitions the velocities into two subclusters: $N_z = 56$, $z = 0.0471$, $\sigma = 411$ km s^{-1}, and $N_z = 23$, $z = 0.0502$, $\sigma = 222$ km s^{-1}.
	Bardelli et al. (1998a) partition the velocities into two different subclusters: $N_z = 14$, $z = 0.0479$, $\sigma = 520$ km s^{-1}, and $N_z = 23$, $z = 0.0483$, $\sigma = 575$ km s^{-1}.
A3558	Ref. 205 gives $N_z = 307$, $z = 0.0480$, $\sigma = 996$ km s^{-1} ($r < 1R_A$), and also divides velocities by magnitude and by subcluster. Bardelli et al. (1998a) partition the velocities into seven subclusters.
A3562	Bardelli et al. (1998a) partition the velocities into three subclusters: $N_z = 35$, $z = 0.0482$, $\sigma = 1113$ km s^{-1}, $N_z = 8$, $z = 0.0492$, $\sigma = 880$ km s^{-1}, and $N_z = 18$, $z = 0.0478$, $\sigma = 1462$ km s^{-1}.
A3559	Ref. 180 lists a foreground group: $N_z = 11$, $z = 0.1119$, $\sigma = 539$ km s^{-1}.
A3572	Ref. 174 gives $N_z = 6$, $z = 0.0405$.
A3574	Note that σ_{corr} of Ref. 224 is 74% larger than that of Ref. 152 (456 km s^{-1}, $N_z = 41$).
A3703	Ref. 180 lists a background group: $N_z = 13$, $z = 0.0914$, $\sigma = 697$ km s^{-1}.
A3705	Ref. 180 gives $N_z = 29$, $z = 0.0898$, $\sigma = 1057$ km s^{-1}.
A3727	APM 618 of Ref. 195.
A3733	Ref. 211 gives $N_z = 82$, $z = 0.0385$, $\sigma = 754$ km s^{-1} for all galaxies within $r_A = 0^{\circ}.812$, as well as separate kinematic values for emission-line and non-emission-line galaxies.
A3739	Ref. 145 lists neither σ nor data to compute it.
A3757	APM 653 of Ref. 195.
A3758	Object MRC B2117 − 269 of Ref. 221.
A3778	EDCC 5 of Ref. 186.
A3781	Ref. 180 lists a background group: $N_z = 4$, $z = 0.0729$.
A3793	APM 689 of Ref. 195.
A3796	Ref. 184 lists $N_z = 1$, $z = 0.0934$, and $N_z = 1$, $z = 0.0586$.
A3800	APM 696 of Ref. 195. z seems too small for $D = 6$ cluster, so it may be a foreground group.
A3802	APM 707 of Ref. 195.
A3812	Ref. 184 lists $N_z = 1$, $z = 0.0852$.
A3814	EDCC 42 of Ref. 186.
A3836	APM 754 of Ref. 195.
A3837	EDCC 99 of Ref. 186, which also gives a foreground group: $N_z = 2$, $z = 0.0673$.
A3844	EDCC 115 of Ref. 186.
A3847	3C444 of Ref. 219.
A3854	EDCC 124 of Ref. 186.
A3856	EDCC 127 of Ref. 186, which also lists several foreground galaxies. Ref. 184 lists $N_z = 2$, $z = 0.1260$.
A3858	EDCC 131 of Ref. 186.
A3869	$\sigma(N_z = 3)$ is from Ref. 224; Ref. 185 lists $z = 0.0777$ but not N_z.
A3875	APM 775 of Ref. 195.
A3876	APM 778 of Ref. 195.
A3880	EDCC 145 of Ref. 186.
A3895	EDCC 172 of Ref. 186.
A3907	APM 813 of Ref. 195.
A3908	APM 814 of Ref. 195.
A3916	APM 820 of Ref. 195.
A3920	EDCC 198 of Ref. 186, which also lists background galaxies.
A3925	APM 830 of Ref. 195.
A3944	From galaxies 8096 and 8097 of Ref. 207.
A3968	EDCC 247 of Ref. 186.
A3971	APM 856 of Ref. 195.
A3972	APM 854 of Ref. 195.
A3984	EDCC 269 of Ref. 186, which also gives $N_z = 5$, $z = 0.0935$, and $N_z = 4$, $z = 0.0645$.
A3998	EDCC 285 of Ref. 186, which also gives $N_z = 2$, $z = 0.0561$.

TABLE 2—*Continued*

Cluster	Note
A4003	Galaxy 051 of UKST field 536 of Ref. 218.
A4010	EDCC 311 of Ref. 186.
A4013	Ref. 145 lists neither σ nor data to compute it.
A4018	APM 909 of Ref. 195.
A4021	EDCC 326 of Ref. 186.
A4038	Klemola 44 cluster (Ref. 192). Ref. 193 partitions the velocities into foreground/background superpositions: $N_z = 40$, $z = 0.0285$, $\sigma = 413$ km s^{-1}, and $N_z = 20$, $z = 0.0339$, $\sigma = 337$ km s^{-1}.
A4053	EDCC 366 of Ref. 186. Ref. 180 lists a foreground group: $N_z = 9$, $z = 0.0501$.

NOTE—EDCC = Edinburgh-Durham (Southern) Cluster Catalog ID (Ref. 186); APM = Automatic Plate Measuring Machine (Southern) Cluster ID (Ref. 195).

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ambiguity arises when N_z is not given in the reference cited, or the position of each galaxy is not given in all the multiple references listed in column (7), so we are unable to check for overlaps. However, even for the small number of cases discussed in the notes, we attempted to list as N_z the number of individual z-values of separate galaxies used to determine $\bar{z}$ and $\sigma_{\rm corr}$; the notes also give details for the small number of clusters where $\bar{z}$ and $\sigma_{\rm corr}$ are determined from different numbers of galaxies because of these ambiguities. Note that there are many cases where we can give only a lower limit for N_z based on information provided in the original references. Galaxy positions in the references are typically given in epoch 1950.0, but note that Slinglend et al. (1998) list them in equinox (and equator) 2000, although this is not stated in the reference.

Note that $\sigma_{\rm corr}$ of several clusters in Chen et al.'s (1998) sample differ by at least 50% from the values given in other references (A1035 is smaller; A1142, A1228, A1318, A1983, A2152, A2634, A2870, A3381, and A3574 are all larger). In several cases this is related to N_z increasing by a factor of order 2, but in others N_z is increased by only a small factor. See the notes for details.

Table 3 contains data for 81 ACO clusters with published $\bar{z}$ that are very probably redshifts of foreground or background groups or galaxies superposed on the ACO cluster. This assessment is either contained in the reference listed or determined from our inspection of the redshifts in two or more references (often simply a case where one reference bases $\bar{z}$ on one to three redshifts while another reference bases their $\bar{z}$ on more), the rough magnitudes (if available) of the galaxies with measured z, their proximity to the location of the cluster center, and the distance class (ACO) of the cluster. The column headings of Table 3 are self-explanatory; the final column contains details justifying our assessment for including a cluster's published $\bar{z}$ in the table. The ratio of the number of suspected incorrect redshifts to the number of probable true redshifts seems to have leveled off to about 5% of the total number of ACO cluster redshifts: 2.8% in SR1, 4.4% in SR2, and 5.1% herein.

Some ACO clusters are asserted to be nonexistent, such as two (A1852 and A1960) in Slinglend et al.'s (1998) sample of 95 Abell richness class $R \geq 1$, distance class $D \leq 4$ clusters, and perhaps one (A2148) in Chen et al.'s (1998) similar sample of 107 clusters with sufficient N_z ($N_z \geq 10$) to resolve superpositions. These appear to be comprised of groups of galaxies randomly distributed along the line of sight, none of whose individual richnesses are sufficiently high to be included as a bona fide ACO cluster. This is consistent with Struble & Rood's (1991) estimate that 5% of Abell's $R \geq 1$, $D \leq 4$ clusters are affected by superpositions, based on a sample of 43 with sufficient redshift data ($N_z \geq 30$).

We remark that caution is advised, as usual, when using this compilation for statistical purposes. Beware that $\bar{z}$ determined with $N_z = 1$–3 may be suspect; the listed $\bar{z}$ may be that of superposed galaxies despite efforts to prune them from the listing. Postman, Huchra, & Geller (1986) recommend that only clusters with $N_z \geq 5$ are trustworthy

TABLE 3

REDSHIFTS PREVIOUSLY ASSIGNED INCORRECTLY TO ACO CLUSTERS

ACO	z	N_z	References	Notes
22	0.0633	5	186	z superseded by Table 1 ref.
34	0.0140	1	26	z too small for $D = 6$
40	0.0999	4	125	z superseded by Table 1 ref.
71	0.0121	1	77	z superseded by Table 1 ref.
80	0.0646	3	96	z superseded by Table 1 ref.
121	0.1048	1	Fet	z superseded by Table 1 ref.
133	0.058	>0	221	z superseded by Table 1 ref.
157	0.0518	1	109	z superseded by Table 1 ref.
256	0.0425	>0	35	z superseded by Table 1 ref.
286	0.0791	1	109	z superseded by Table 1 ref.
295	0.0428	>0	35	z superseded by Table 1 ref.
309	0.1565	1	SR87	z uncertain
419	0.0406	1	77	z superseded by Table 1 ref.
465	0.0855	1	24, SR91	z superseded by Table 1 ref.
480	0.0473	1	SRS, 60	z too small for $D = 6$
571	0.0863	2	75	See notes to Table 2 for A578.
688	0.0421	>0	ACO	z too small for $D = 6$
689	0.086	1	141	z superseded by Table 1 ref.
762	0.0445	1	42	z superseded by Table 1 ref.
769	0.1194	1	121	z superseded by Table 1 ref.
913B	0.0470	1	21	z superseded by Table 1 ref.
915	0.0917	1	109	z superseded by Table 1 ref.
945	0.0917	1	SR1	z superseded by Table 1 ref.
994	0.0390	1	14	z superseded by Table 1 ref.
1067........	0.1065	2	125	z superseded by Table 1 ref.
1155........	0.0738	1	26	z seems low for $D = 5$
1186........	0.0791	1	SRS, SR1, 109, 110	See SR2 text
1254........	0.0628	1	SRS, Fet, SR1	z superseded by Table 1 ref.
1461........	0.0538	1	26	z seems low for $D = 5$
1489........	0.028	>0	215	z too small for $D = 6$
1500........	0.1059	1	75, 109	See notes to Table 1 of SR2
1539........	0.0586	1	109	z superseded by Table 1 ref.
1544........	0.0586	1	SRS, Fet, SR1	z superseded by Table 1 ref.
1576........	0.3025	>0	110	z superseded by Table 1 ref.
1596........	0.302	>0	ACO	z superseded by Table 1 ref.
1666........	0.1098	1	84	z superseded by Table 1 ref.
1703........	0.2859	>0	125	z superseded by Table 1 ref.
1785........	0.0792	1	26	z superseded by Table 1 ref.
1859........	0.0989	1	SR1	z superseded by Table 1 ref.
1861........	0.079	1	SR1	z is of foreground galaxy
1877........	0.1241	1	31, SR1	z superseded by Table 1 ref.
2001........	0.1122	2	SR2	z superseded by Table 1 ref.
2004........	0.0643	1	SR2	z superseded by Table 1 ref.
2005........	0.1257	1	SR1	z superseded by Table 1 ref.
2163........	0.1698	1	60	z superseded by Table 1 ref.
2241........	0.1013	>0	226	z superseded by Table 1 ref.
2328........	0.2027	1	91	z superseded by Table 1 ref.
2360........	0.0683	1	42	z too small for $D = 6$
2469........	0.0656	1	26	z superseded by Table 1 ref.
2506........	0.0331	1	Fet	z too small for $D = 5$
2645A......	0.186	1	109	z superseded by Table 1 ref.
2661........	0.064	>0	ACO, 79	z too small for $D = 6$
2798........	0.113	≤ 3	195 (APM92)	z superseded by Table 1 ref.
2801........	0.062	≤ 3	195 (APM96)	z superseded by Table 1 ref.
2814........	0.045	>0	160	z superseded by Table 1 ref.
2819........	0.087	≤ 3	195 (APM107)	z superseded by Table 1 ref.
2829........	0.112	≤ 3	195 (APM112)	z superseded by Table 1 ref.
2860........	0.0268	>0	143	z superseded by Table 1 ref.
2871........	0.116	≤ 3	195 (APM144)	z superseded by Table 1 ref.
2911........	0.0201	>3	148	z superseded by Table 1 ref.
3009........	0.075	≤ 3	195 (APM261)	z superseded by Table 1 ref.
3095........	0.107	≤ 3	195 (APM349)	z superseded by Table 1 ref.
3107........	0.064	≤ 3	195 (APM360)	z superseded by Table 1 ref.
3109........	0.0627	1	96	z superseded by Table 1 ref.

TABLE 3—*Continued*

ACO	z	N_z	References	Notes
3142......	0.0689	2	184	z superseded by Table 1 ref.
3330......	0.186	>0	221	z superseded by Table 1 ref.
3354......	0.0444	1	178	z superseded by Table 1 ref.
3367......	0.0419	6	125	z superseded by Table 1 ref.
3392......	0.0206	3	178	z superseded by Table 1 ref.
3537......	0.0161	6	174	z superseded by Table 1 ref.
3542......	0.0339	>3	148	z superseded by Table 1 ref.
3560......	0.0117	>3	148	z superseded by Table 1 ref.
3563......	0.0475	1	163	z superseded by Table 1 ref.
3653......	0.0475	>0	ACO	z superseded by Table 1 ref.
3677......	0.0461	>3	148	z superseded by Table 1 ref.
3816......	0.200	≤3	195 (APM716)	z superseded by Table 1 ref.
3837......	0.0656	>3	133	z superseded by Table 1 ref.
3864......	0.079	≤3	195 (APM766)	z superseded by Table 1 ref.
4037......	0.0292	32	186	z too small for $D = 6$; confused with A4038
4049......	0.0286	>3	133, 148	z superseded by Table 1 ref.
4059......	0.053	≤3	195 (APM938)	z superseded by Table 1 ref.

enough for statistical studies, but note, remarkably, that Table 3 lists A3367, with $N_z = 6$, which are members of an overlapping foreground cluster, A548 (Andreuzzi et al. 1998), and A3537, also with $N_z = 6$ (Vettolani et al. 1990), which is apparently a foreground group superimposed on the ACO cluster. One should therefore be cautious of clusters with $\sigma_{\rm corr}$ computed from small N_z ($N_z \leq 5$). Note also that Table 2 lists A4037 ($N_z = 32$) which was likely confused with A4038 by Lumsden et al. (1992). Finally, we reiterate Abell's (1958) warning regarding the use of clusters in his *non*statistical sample: they were included in his catalog merely to enhance its value as a finding list, and thus are incomplete in an unknown way.

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