This article was processed by the author using Springer-Verlag
LaTeX A&A style file *L-AA* version 3.

Table 2. 48 stars with absolute proper motion for the calibration of the Hipparcos proper motion system. The epoch of the observations is 1950. The internal accuracy of the proper motions is of the order of 2 mas/a.

Designation	HIC number	α_{2000} [hhmmss.sss]	δ_{2000} [ggmmss.ss]	μ_α [mas/a]	μ_δ [mas/a]
BD +17 1617	36921	073524.484	+172259.80	−11.6	−11.1
BD +18 1681	37009	073624.680	+181055.98	−16.0	−25.9
BD +17 1623	37074	073705.758	+165415.45	−1.8	−6.9
BD +18 1692	37160	073811.914	+175028.53	+12.9	−6.2
BD +18 1701	37300	073928.586	+174028.33	+1.8	−7.4
BD +17 1634	37436	074105.828	+165223.89	−6.4	+8.9
G 9 − 29	43552	085210.477	+200843.80	+191.8	−152.3
BD +19 2119	43642	085320.688	+191920.42	−22.9	−15.6
BD +20 2232	43683	085355.414	+195802.05	−23.2	−10.6
BD +20 2233	43701	085400.695	+201349.63	−54.1	−7.9
BD +21 1939	43730	085421.594	+203510.55	−21.9	−8.4
BD +20 2244	43935	085657.156	+201159.97	+14.7	−13.2
BD +20 2683	59121	120722.977	+192111.98	+13.3	−2.1
BD +19 2531	59152	120750.492	+185659.42	+119.7	−70.3
BD +19 2533	59234	120855.609	+181813.91	−15.1	+19.1
BD +19 2534	59238	120902.383	+181920.41	−121.7	−61.2
BD +19 2536	59310	121005.008	+185838.25	−159.6	−37.1
BD +19 2539	59391	121102.336	+183731.00	−40.8	−20.6
BD +18 2676	59418	121118.773	+175844.17	+3.1	+18.1
BD +19 2541	59550	121246.570	+183203.55	+86.7	−26.3
BD +19 2542	59571	121257.367	+185828.64	−19.5	+1.6
BD +02 2539	60667	122600.961	+020231.02	−39.1	−2.8
BD +03 2644	60713	122633.258	+022632.56	+5.7	−7.8
BD +01 2701	60902	122854.531	+010900.07	−99.5	−101.0
BD +03 2660	61096	123117.406	+021809.05	−14.1	+1.2
BD +29 2486	68765	140427.594	+290834.72	+7.4	−32.2
BD +29 2488	68793	140453.750	+290221.91	+7.5	−3.9
BD +28 2292	68903	140625.578	+274333.78	−40.3	+33.0
BD +29 2491	68928	140640.359	+282903.16	−5.9	−17.2
BD +29 2493	68955	140656.094	+282617.00	−69.7	+4.0
BD +29 2497	69024	140749.906	+283243.53	+23.1	−7.8
BD −01 3242	82040	164531.203	−013441.51	−9.9	−3.2
BD −01 3243	82070	164549.250	−011551.11	−20.4	+8.8
BD −01 3244	82114	164624.438	−012134.22	+40.8	−76.1
BD −02 4247	82152	164659.734	−022912.25	−5.5	−11.4
BD −01 3251	82274	164840.359	−015209.98	−0.1	−0.3
BD −01 3254	82382	165003.203	−020205.51	−8.9	−12.9
BD +70 973	88295	180150.172	+701418.31	−12.8	−22.3
BD +69 968	89005	180955.766	+694040.13	−25.1	+198.5
BD +69 970	89113	181114.984	+691456.31	+14.7	+38.4
BD +69 973	89571	181641.063	+694234.88	−37.8	+1.2
BD +79 604	92040	184537.797	+795630.50	+18.2	+71.6
BD +79 605	92208	184732.391	+800934.50	+18.4	+81.1
BD +79 610	93162	185834.469	+792320.25	+7.7	+13.7
BD −01 4172	106324	213205.016	−004254.76	+18.9	+6.0
BD −01 4173	106385	213249.516	−005258.80	−6.1	−7.4
BD −01 4177	106603	213525.734	−005853.37	+28.0	+21.7
BD −01 4178	106655	213610.766	−011816.96	+22.5	−30.2