



РОССИЙСКАЯ АКАДЕМИЯ НАУК

**Астрометрия, геодинамика
и небесная механика
на пороге XXI века**

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Determination of optical positions for extragalactic radio sources under the collaboration between SHAO and NAO

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The optical positions of some compact extragalactic radio sources were determined with 1.5 m, 1 m and 60 cm telescope equipped with CCD by Shanghai Astronomical Observatory and the Axial Meridian Circle at Nikolaev Astronomical Observatory during the period of 1996–1999 under a collaboration project between two Observatories. The instrumentation, observation, reduction are briefly described and the preliminary results are presented. The comparison between the optical and radio positions for the sources are also given. With the AMC 2.0 being released soon, more optical positions of radio sources will be obtained.

Таблица 1. Results of determination of optical positions of radio sources and comparison with radio positions.

Name	m_v	α	δ	$\Delta\alpha$	$\Delta\delta$
	<i>mag</i>	<i>h m s</i>	<i>o ' "</i>	<i>s</i>	<i>"</i>
0552+398	18.0	05 55 30.797	+39 48 49.20	-0.009	+0.03
0735+178	16.2	07 38 07.358	+17 42 19.29	-0.035	+0.29
0818-188	15.0	08 20 57.462	-12 58 59.32	+0.014	-0.16
0827+243	17.3	08 30 52.029	+24 11 00.80	-0.057	+0.98
0851+202	15.4	08 54 48.874	+20 06 30.24	-0.001	-0.40
1652+398	13.9	16 53 52.210	+39 45 37.33	-0.007	+0.72
1727+502	16.0	17 28 18.635	+50 13 10.71	+0.011	+0.24
2145+067	16.5	21 48 05.487	+06 57 39.37	+0.028	+0.77
2200+420	14.7	22 02 43.292	+42 16 40.03	+0.001	+0.05