

Determination of precise optical positions of some compact extragalactic radio sources from CCD-observations

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Optical positions of more than 10 extragalactic radio sources from list of select compact extragalactic radio sources (CERS) have been obtained at the Astronomical Observatory of Kharkov National University with 70-cm telescope and CCD camera ST-6. The CCD chip consists of 375 x 242 pixels giving a field of view of about 10.5' x 8.5'. Author obtained more than 150 CCD-images of 25 CERS with exposure time 90-420 seconds during 1997 September - 1998 June. The reference stars (from 6 to 12 for each CERS) had been taken from a Catalog of Astrometric Standards (USNO- A2.0) which adopted the ICRS as its reference frame. The mean internal errors for the CERS are 0.10" in right ascension and 0.04" in declination. The comparison of our results with positions in other optical and radio catalogues is given. The mean differences between radio positions of CERS and their optical positions from our observations not significantly differ from zero on the 0.05 level. Author is very grateful to P.N.Fedorov for his help in organization of observations and to F.P.Velichko for his help during the observations.