

PROPER MOTION SURVEY IN THE BORDEAUX M2000 ZONE

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ABSTRACT. We started in 1997 the astrometric project of re-measurement of the Bordeaux Carte du Ciel zone ($11^\circ < \delta < 18^\circ$) with the Bordeaux automated CCD meridian circle. These recent observations should be combined with the Carte du Ciel plate measurements scanned at APM (Cambridge) in order to produce an astrometric catalogue of positions and proper motions in the Hipparcos Reference Frame for all stars detected on the plates. The positional catalogue M2000 has been published in June 2001 (Rapaport et al. 2001) including 2.3 million stars down to the magnitude limit $V = 15.4$. The median internal standard error in position is 35 mas in the magnitude range $11 < V < 15$. The 563 Carte du Ciel plates have been automatically scanned at the cambridge APM automated plate measuring machine. The combination of the M2000 astrometric catalogue with these first epoch measurements and other available astrometric sources is underway. The resulting proper motion catalogue should be ready by the end of 2002. We present here the Carte du Ciel plates reductions and preliminary results for the proper motion derivation.