## JOINT PROGRAM FOR AUTOMATIC ANALYSIS OF ASTROGRAPHIC PLATES

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Pulkovo and Valencia observatories are developing measuring machines based on the "Ascorecord" microscope that allow to undertake automatic measuring programs of different kind of plates (Ortiz *et al.*, 1993). All aspects of astrometry work are covered now by our software: field maps and plate files creation from the PPM and the GSC; precise ephemeris calculation of minor planets and comets, including planetary perturbations; image identification and automatic plate measurement and reduction (Lopez *et al.*, 1994a). For these tasks, correction tables for GSC catalogue vs. PPM, systematic errors (Lopez *et al.*, 1994b) have been obtained. Observing programs using plates and CCD devices at telescope focus are planned (the search of new asteroids and comets, big planets satellites observation, new high density photographic catalogues and some other projects).

## References

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