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Session 129. Astrometric Surveys
Display, Thursday, January 10, 2002, 9:20am-4:00pm, Exhibit Hall

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[129.08] UCAC2: a new high precision catalog of positions and proper motions

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The U.S. Naval Observatory (USNO) CCD Astrograph Catalog (UCAC) project started observations of the southern sky in February 1998 from the Cerro Tololo Inter-American Observatory (CTIO). The last observing night at CTIO was 18/19 September 2001 and the telescope has now relocated to the USNO station in Flagstaff, AZ to complete the northern sky.

A catalog of positions of about 40 million stars (8 to 16 mag) is being constructed based on all survey observations obtained at CTIO, with coverage from the south pole north to between +24 and +31 degrees declination, depending on the right ascension. Depending on magnitude, the positional accuracy is between 20 and 70 mas at mean epoch. Proper motions are being provided utilizing the Southern Proper Motion (SPM) first epoch and other catalog data (1 to 5 mas/yr).

The UCAC2 will become available on 2 CD-ROMs in early 2002 and will supersede the UCAC1. Internal UCAC releases are already in use with the Sloan (SDSS) and 2MASS projects and for minor planet occultation predictions. The final UCAC will be the basis for the SIM input catalog.

If you would like more information about this abstract, please follow the link to <http://ad.usno.navy.mil/ucac/>. This link was provided by the author. When you follow it, you will leave the Web site for this meeting; to return, you should use the Back comand on your browser.

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