Verification of the PROS Timing Analysis Package

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ROSAT observations of known pulsars are used to verify the functions of timing programs. The Crab Pulsar and PSR 0540-69, with 33 and 50 millisecond periods are used to examine the fast fourier transform and the epoch-folding task used to search for periodic signals. These fast pulsars provide a more vigorous test of the system than those with periods of a few seconds.