\section{Introduction}

\section{Observations}

\section{Timing model}

\subsection{DM variation}

\subsection{Pulse profile evolution in frequency}

\subsection{Orbit and proper motion}

Probably only need to show someMCMC histograms and the parameter numbers, as the details

has been extensively discussed in SNS05.

\subsection{T2 model versus DD?}

confirms that both model gives pretty much consistent results?

\section{Timing residual}

\subsection{Covariance with DM changes}

The lower band residuals are covariant with the DM changes.

\subsection{Compare generations of instruments}

Radiometer equation; Limit to the timing precision; Pulse jitter noise.

\subsection{Timing Noise?}

\subsection{Crude implication to GWB limit?}

\section{Testing fundamental physics principles}

\subsection{Conservation of momentum}

\subsection{The Strong Equivalence Principle}

\section{Testing Gravitation theory and the Gravitational

constant}

\section{Discussion and Conclusion}