

Checkout2 Pulsar analysis

Pulsar analysis for the science tools checkout

The tools in this area are **glbary**, **pulsePhase**, **gtpsearch**, and **gtpulsar db**

Short descriptions of the tools and links to available documentation are on the [tools summaries page](#).
gtpulsar db is for adding entries to the pulsar ephemeris file.

(28 March 2005) Here is an [ephemeris file](#) from Masa Hirayama and James Peachey that can be used with **pulsePhase** and **gtpsearch** for timing analyses of the pulsars in the Checkout 2 data set. With this file, the pulsars can be referenced by name, with the following translation:

checkout2v1.fits	name in XML file
PSR J0534+2200	PSRCRAB
PSR J0835-4510	PSRVELA
PSR J0633+1746	PSRGEMINGA
PSR J1057-5226	PSR1055-52
PSR J1709-4429	PSR1706-44

In case this it is not already clear, please be aware that the timing parameters for these pulsars are for Checkout 2 only. The periods are approximately correct, but nothing has been done to try to make the parameters particularly accurate or sensible. *Seth Digel*

(15 April 2005) Massimiliano Razzano's [review and reports](#) of the Pulsar Tools. *Massimiliano Razzano*

(21 April 2005) Added Massimiliano Razzano's [test](#) on simple Pulsar profiles. *Massimiliano Razzano*

(21 April 2005) Added Massimiliano Razzano's [test page](#) with EGRET pulsars. *Massimiliano Razzano*