

Summar of work done so far :

This is in reference to the steps mentioned in the one of the emails

1. Data reduction pprocess with PINTA.

2. Data visualization using PSRCHIVE commands (using PSRCHIVE's python interace).All the plots are included in the report.

All the steps mentioned were completed.

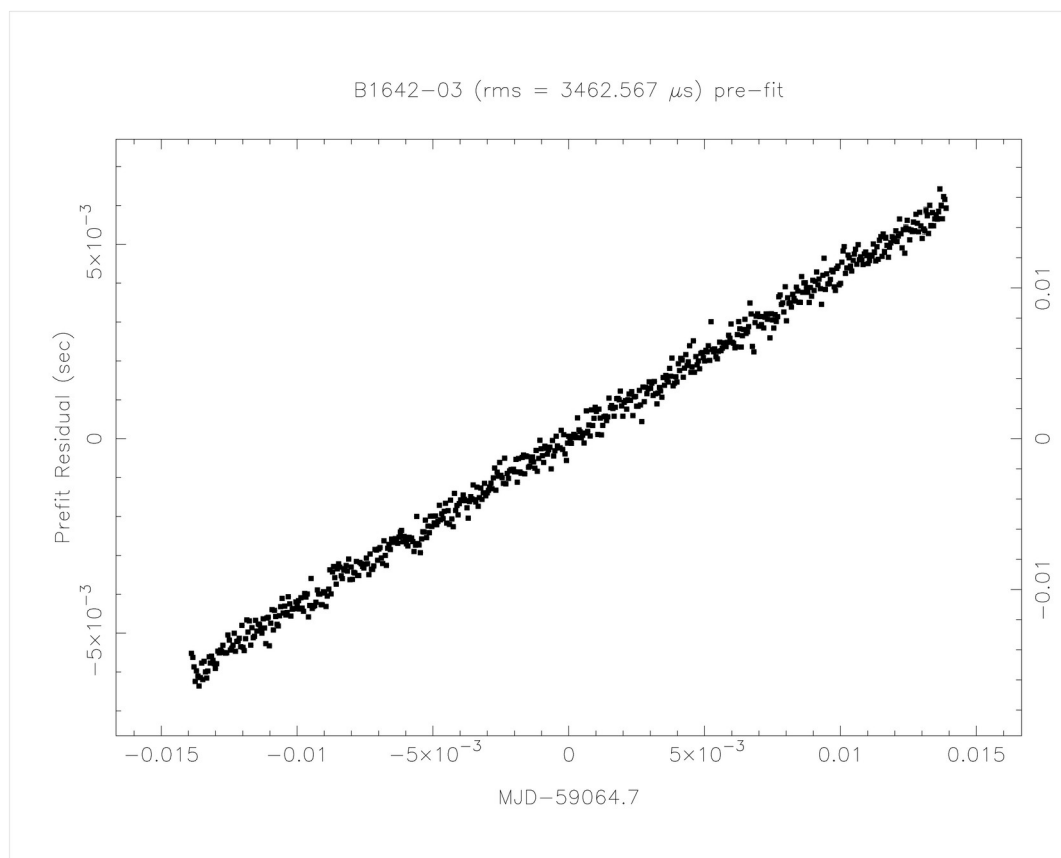
3. Generating time of arrivals in tempo2 format using python interface again.

4. Obtaining Residuals.

Tried the above step with python interface , but was unsuccessful because of lack of documentation of the functions involved so switched back to Tempo2.

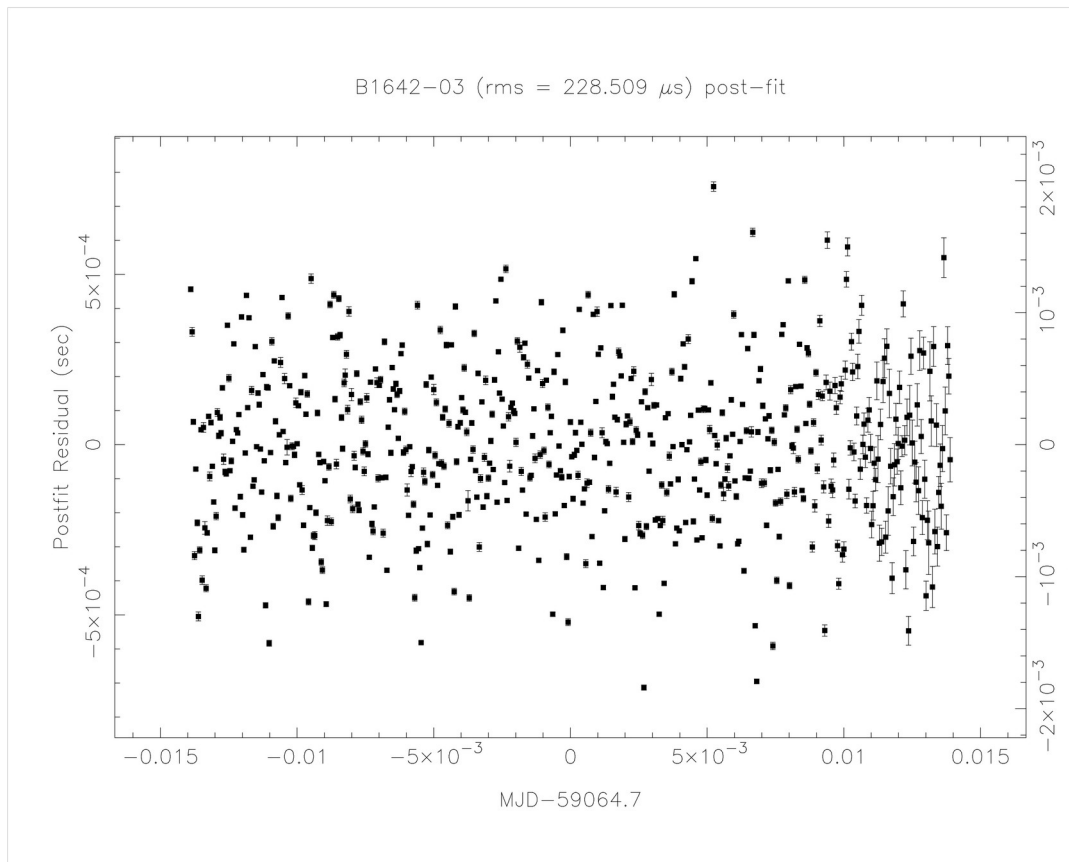
5. Tempo2 Analysis:

Succesfully plotted residuals of dedispersed data.



We see a systematic increase in the residuals.

After fitting for f_0 , we get the following plot.



Following comment was displayed after fitting for f_0 :
RMS pre-fit residual = 3462.567 (us), RMS post-fit residual = 228.509 (us)

Still exploring the Tempo2 analysis part.