# This will generate polyco.dat file which has range of periods between the given MJD range specially estimated for

# our telescope.

# This file can be used with the sigproc's fold command to fold the dedisperse time series .tim file

> fold -p polyco.dat clean1\_data.tim > clean1\_data.prof

# The .prof file is an ascii file which can be plotted using the GNUPLOT following way.

> gnuplot

> pl 'clean1\_data.prof' u 1:2 w l

# If there is a pulse, you can see that in the final folded profile

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To plot the filterbank files....simple

> python /data0/programs/FilPlot.py clean1\_data.fil 0 1000

# This will produce a 2d plot of the section of filterbank file starting with zero sample with total

# 1000 samples.

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To use DSPSR to DD and fold the file.... advanced

> dspsr -D 26.7 -P polyco.dat -O dspsr\_output clean1\_data.fil

#To view the folded profile use following command

> psrplot -p F dspsr\_output.ar

# If there is RFI use following command to remove RFI

> paz -r -e paz dspsr\_output.ar

# Above command will generate a file with extension '.paz'

# If you want to remove more RFI use interactive tool to manually select RFI channels

> pazi dspsr\_output.ar

# Press F to get the frequency vs phase plot

# Left click to zoom and Right click to remove frequency channels

# Press S to save with extension .pazi

# Redo plotting with psrplot and save in ps file

> psrplot -p F -j "D, F 128" -D outplot.ps/cps dspsr\_output.ar.pazi

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To search for pulses, contact Chenhui

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