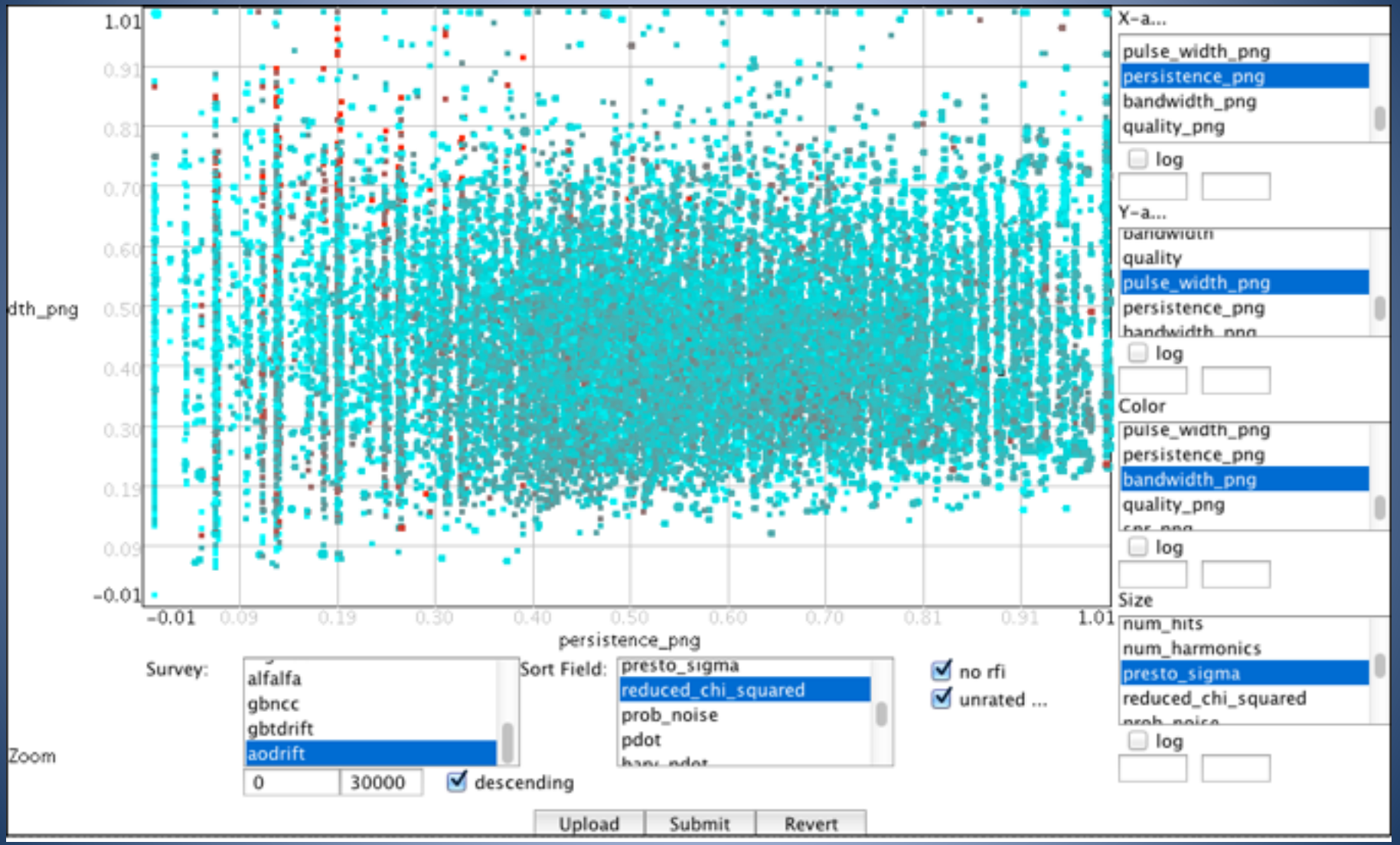
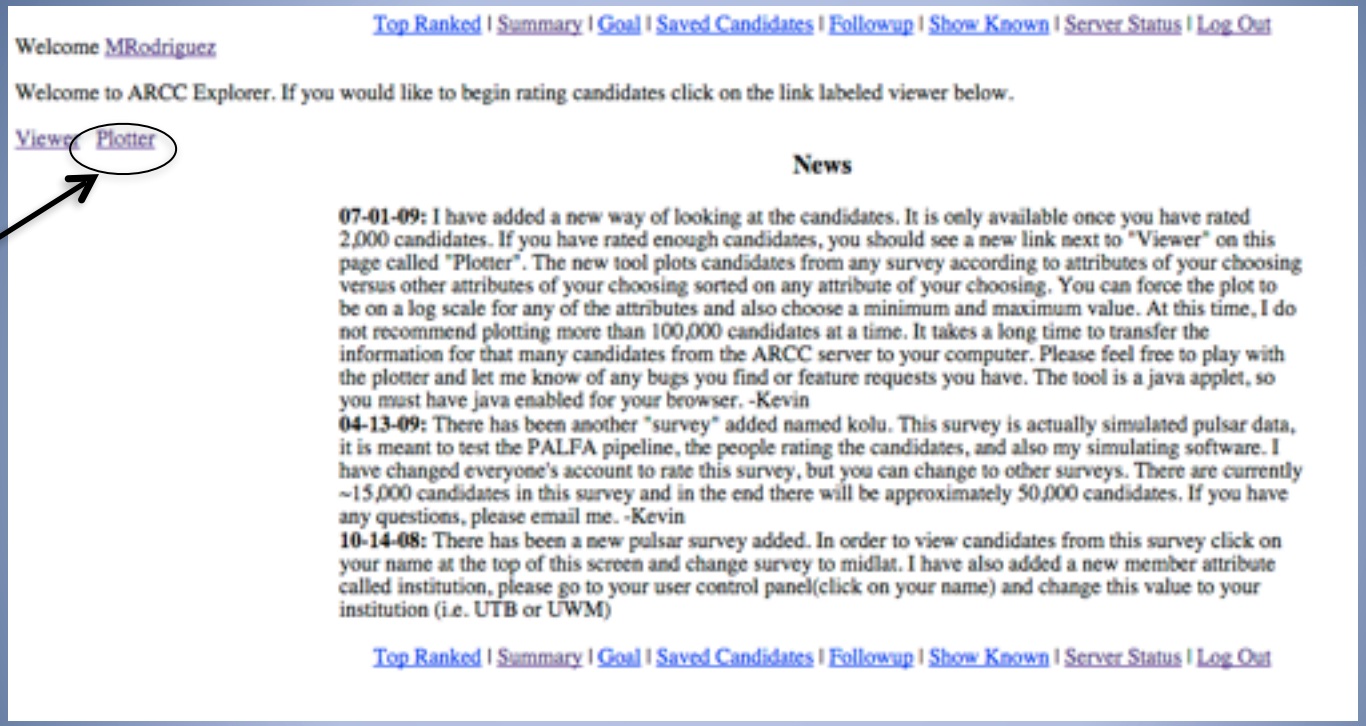
ARCC PLOTTER

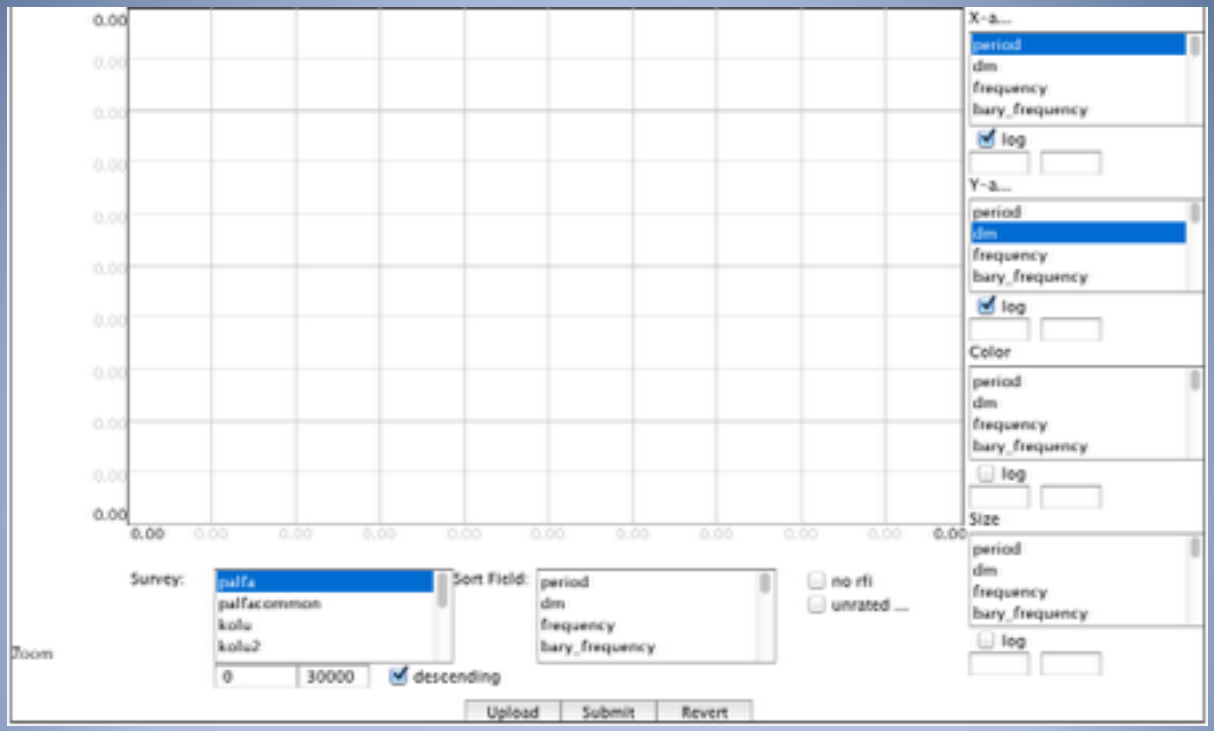


OPEN PLOTTER



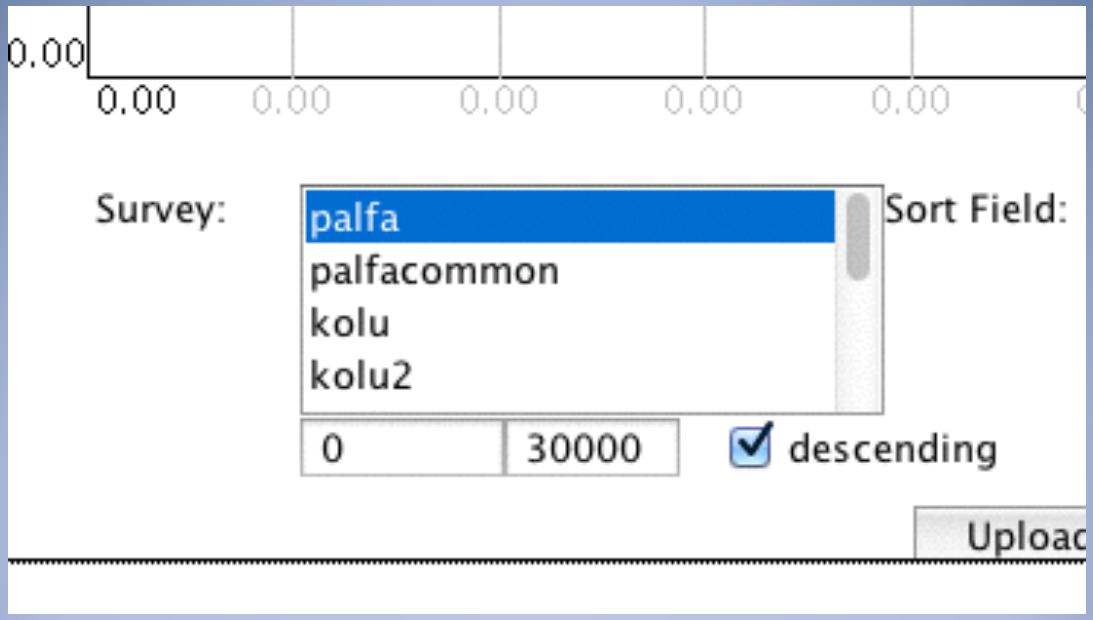
- Click on the Plotter link.

THE PLOTTER



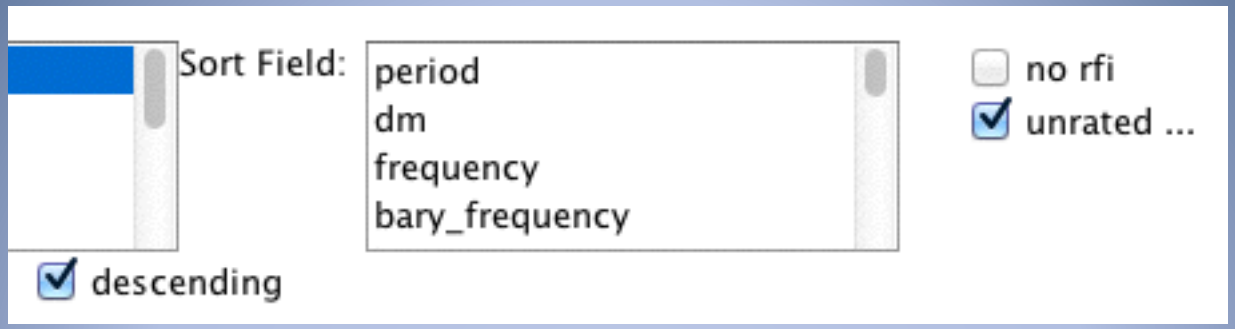
- The plotter allows you to plot candidates using any attribute vs any other attribute of your choice.
- Choose attributes that will allow you to easily and quickly identify possible pulsars.

SURVEY



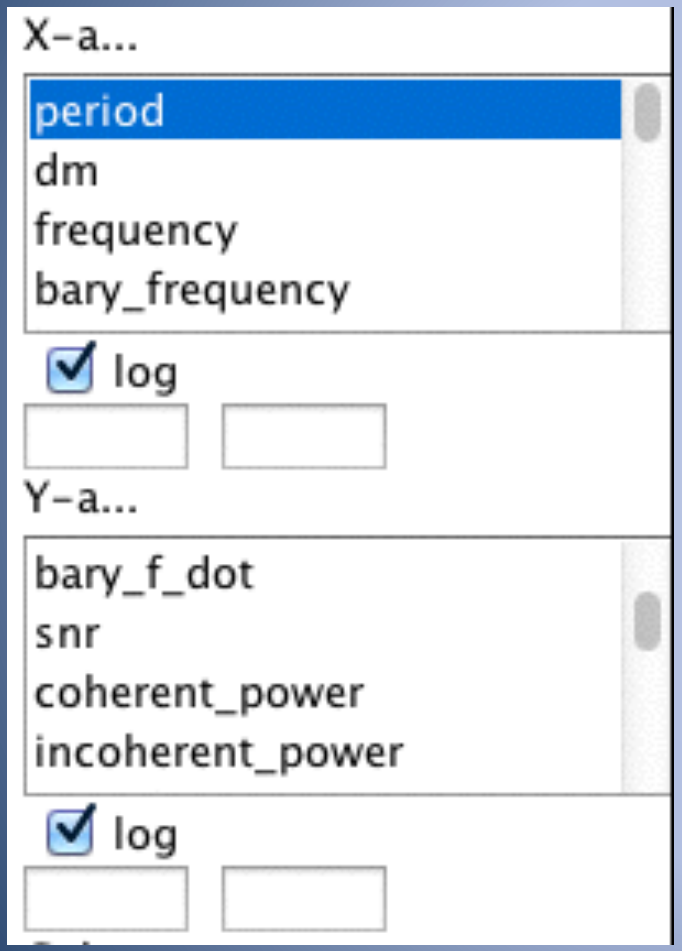
- On the survey section choose the survey you want to use (e.g. aodrift).
- The text boxes below survey contain the range of the number of candidates you will plot. You can change these values.

SORT FIELD



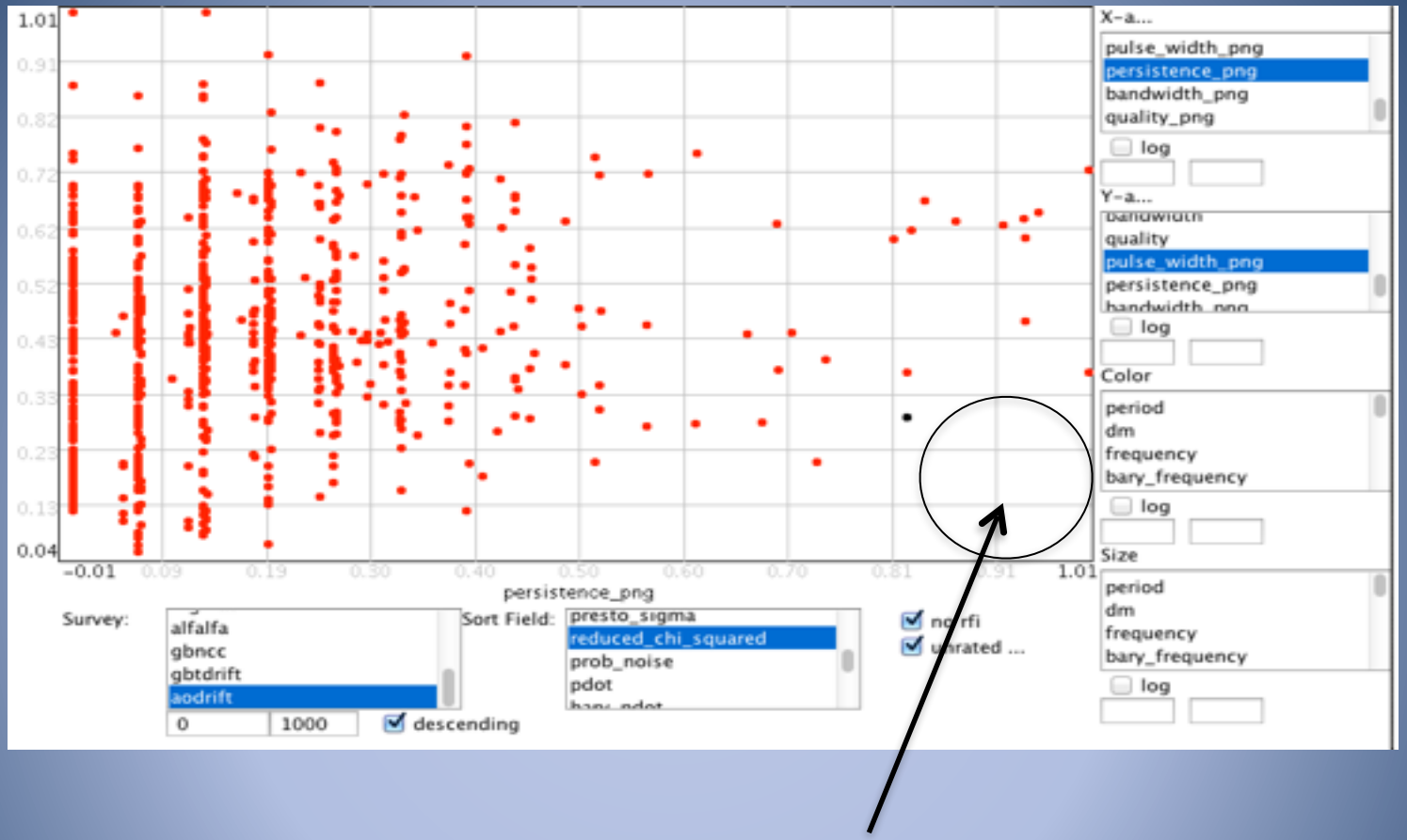
- The range of candidates plotted will be selected either ascending or descending from the sort field chosen.
- For example: (if you choose 0-30000 candidates, sort field: period, and descending), you will plot the 30000 candidates with the highest period.
- Uncheck [descending] to get the candidates with the lowest values instead.
- Check the [unrated] box to get only candidates that have not yet been rated by anyone.
- Check the [no rfi] box to remove candidates that have been rated as RFI.
- Some choices in sort field are pulse width: ascending, period: ascending, reduced chi squared: descending, and pulse width: ascending.

X – Y AXIS



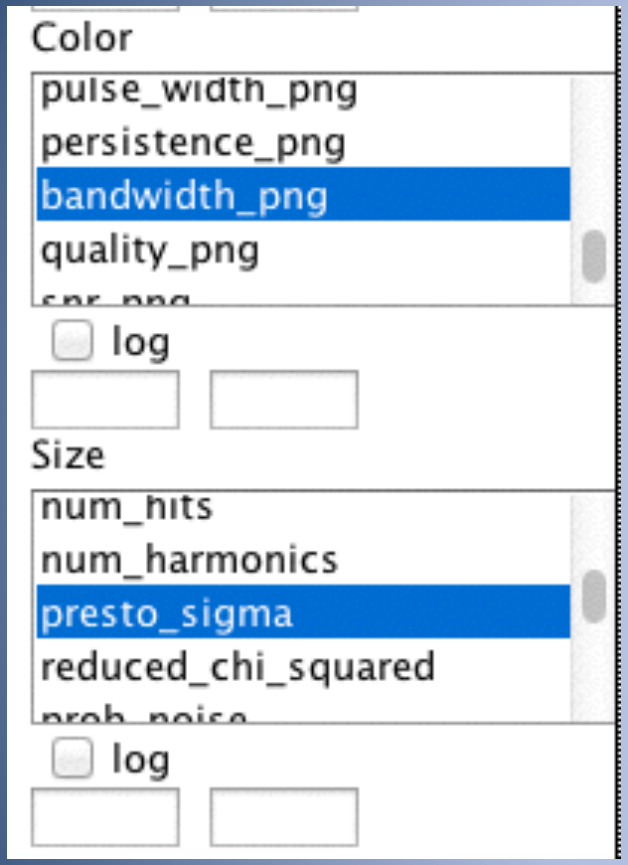
- Select the attributes that will correspond in the x and y axis so that possible pulsars will be located in a desired area of the plot.
- Check [log] if you want the graph to be logarithmically scaled (useful when using attributes with a long range of values).
- Select attributes with _png if available for that attribute.
- For example: choose always persistence_png instead of persistence.

X – Y AXIS



- For example: A useful combination is persistance_png vs pulse_width_png where the best candidates will be in the lower right corner.
- Be creative and create your own combination of attributes using your pulsar knowledge.

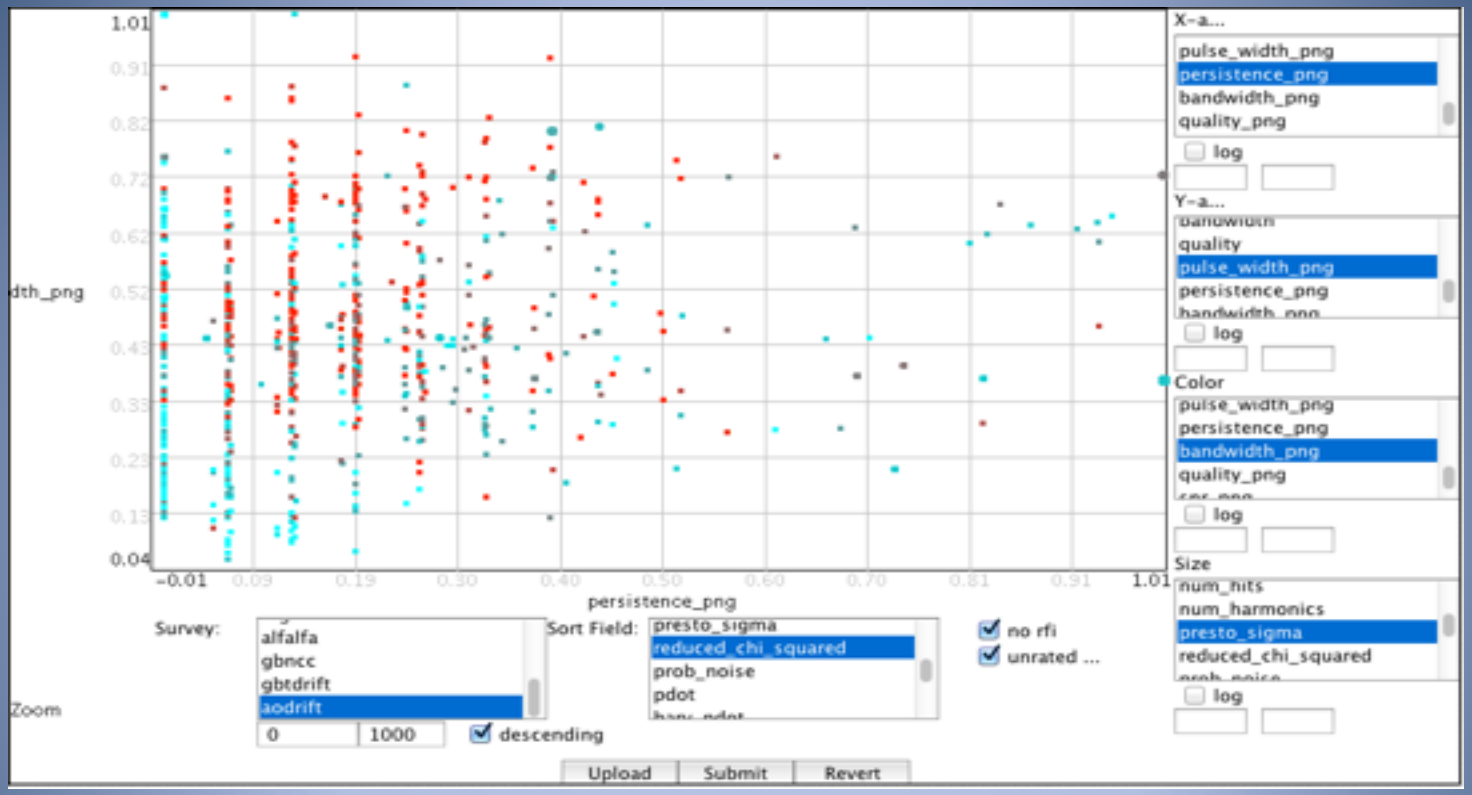
COLOR AND SIZE



- You may assign an attribute to color where a darker color means a higher value for the attribute.
- Color mapping ranges from:
  light blue = low value
  dark red = high value

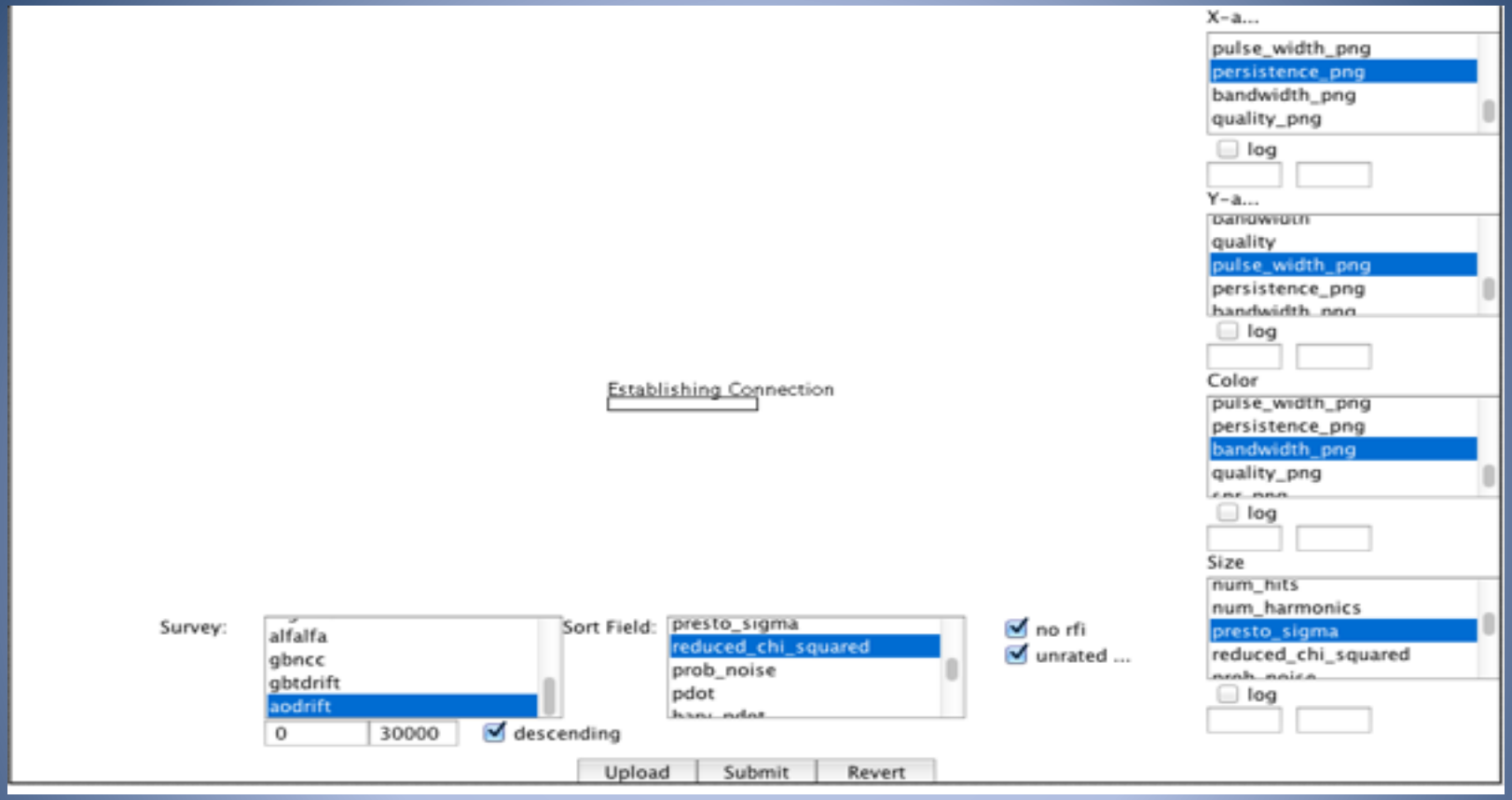
- You may assign an attribute to size where a bigger size means a higher value for the attribute.

COLOR AND SIZE



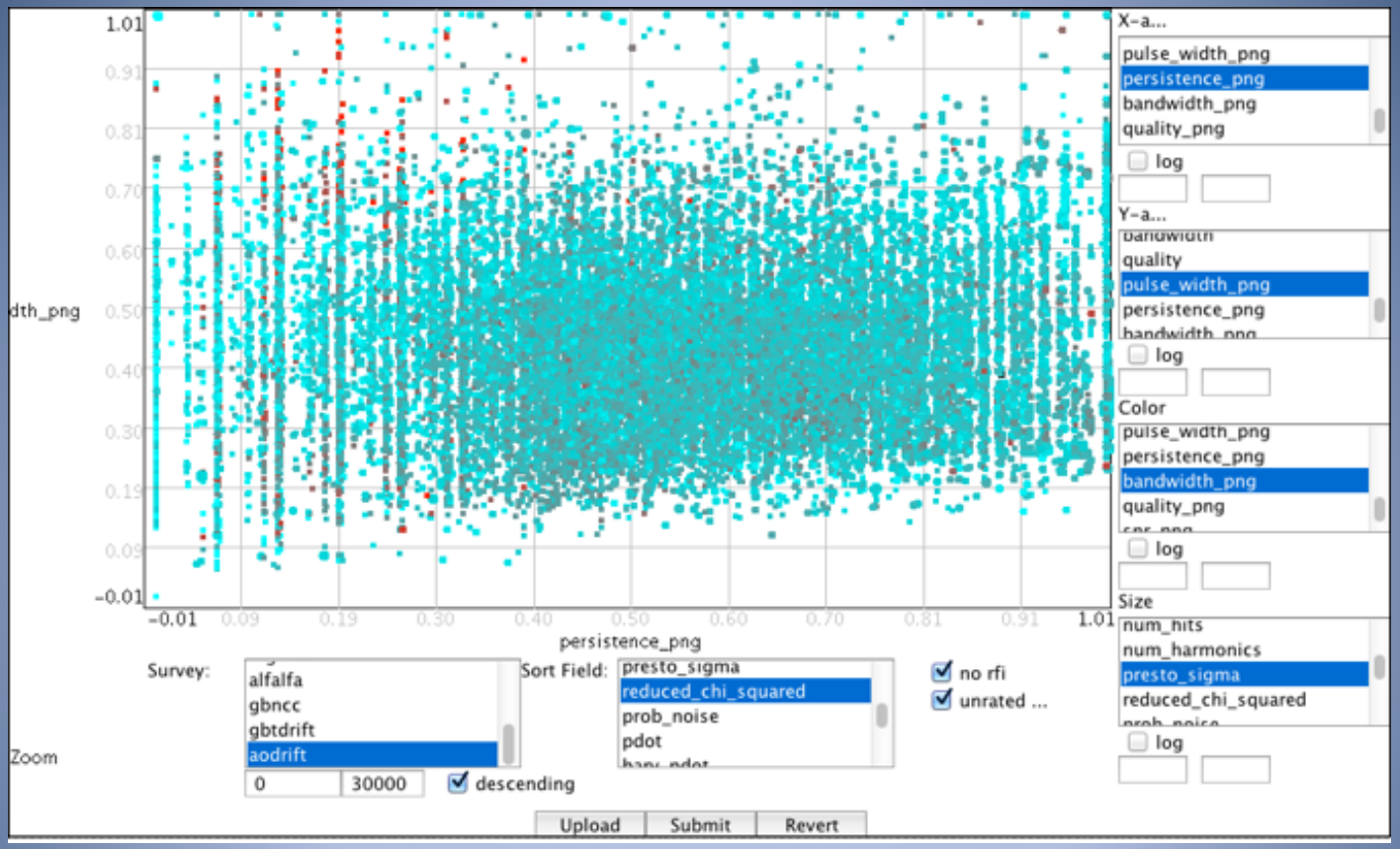
- This is what a plot with color and size attributes looks like.

SUBMIT



- When you have selected your attributes, click the submit button and wait.

SEARCH



- When the plot loads, you can begin searching for pulsars!