Chandra X-ray Center

How do I make a log–log plot?
How do I return to linear axes?

To set the axes in *Sherpa* to a log–log scale, use the set_log command:

```
sherpa> set_log()
sherpa> lplot data
```

To return to a linear scale:

```
sherpa> set_lin()
sherpa> lplot data
```

Or, modify the fields of the appropriate configuration variable:

```
sherpa> sherpa.dataplot.x_log = 1
sherpa> sherpa.dataplot.y_log = 1
sherpa> lplot data
sherpa> sherpa.fitlot.x_log = 1
sherpa> sherpa.fitplot.y_log = 1
sherpa> lplot fit
```

To return to a linear scale:

```
sherpa> sherpa.dataplot.x_log = 0
sherpa> sherpa.dataplot.y_log = 0
sherpa> lplot data
sherpa> sherpa.fitlot.x_log = 0
sherpa> sherpa.fitplot.y_log = 0
sherpa> lplot fit
```

How do I make a log–log plot? How do I return to linear axes?