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

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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.fitplot.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.fitplot.x_log = 0  
sherpa> sherpa.fitplot.y_log = 0  
sherpa> lplot fit
```

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URL:  
[http://cxc.harvard.edu/sherpa3.4/faq/log\\_linear.html](http://cxc.harvard.edu/sherpa3.4/faq/log_linear.html)  
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