



State Object Bugs: sherpa.output

Bugs

1. Precision field in *sherpa.output* state object

The [ahelp file for the *sherpa.output* state object](#) says that the precision field is "number of digits after decimal point." This works correctly when results are printed to the screen:

```
sherpa> sherpa.output.precision = 2
sherpa> write data
Write X-Axis: Bin Y-Axis: Flux (Counts)
      -0.5 1.39
       0.5 1.81
```

When they are written to a file, however, they are incorrectly truncated:

```
sherpa> sherpa.output.precision=2
sherpa> write data prec_2.dat ascii
Write X-Axis: Bin Y-Axis: Flux (Counts)

unix% cat prec_2.dat
      -0.5 1.4
       0.5 1.8
       1.5 2.3
```

Workaround:

set the precision to be one step higher than the desired number of decimal places:

```
sherpa> sherpa.output.precision=3
sherpa> write data prec_3.dat ascii
Write X-Axis: Bin Y-Axis: Flux (Counts)

unix% cat prec_3.dat
      -0.5 1.39
       0.5 1.81
       1.5 2.26
```

