

**NAME**

a3scan – three-motor scan

**SYNOPSIS**

```
a3scan m1 start1 end1 m2 start2 end2 m3 start3 end3 intervals time
```

**DESCRIPTION**

a3scan scans three motors, as specified by *m1*, *m2* and *m3*. Each motor moves the same number of intervals with starting and ending positions given by *start1* and *end1*, *start2* and *end2*, *start3* and *end3*, respectively. The step size for each motor is  $(start - end) / intervals$ . The number of data points collected will be  $intervals + 1$ . Count time is given by *time*, which if positive, specifies seconds and if negative, specifies monitor counts.

**EXAMPLE**

```
a3scan tab1 0 10 tab2 0 10 tab3 0 10 20 10
```

**SEE ALSO**

motors ascan a2scan a4scan dscan d2scan d3scan mesh