

NAME

d4scan – four-motor scan relative to the starting positions

SYNOPSIS

```
d4scan m1 start1 end1 m2 start2 end2 m3 start3 end3 m4 start4
      end4 intervals time
```

DESCRIPTION

d4scan scans four motors, as specified by *motor1*, *motor2*, *motor3* and *motor4*. Each motor moves the same number of intervals. If each motor is at a position *X* before the scan begins, it will be scanned from *X+start* to *X+end*. 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.

Upon termination, the motors are returned to their starting positions.

EXAMPLE

```
d4scan e11 -1 1 e12 -1 1 e13 -1 1 e14 -1 1 20 10
```

SEE ALSO

motors ascan a2scan a3scan a4scan dscan d2scan mesh a4scan