Using ramps in the tracking screen

To ramp in the orthogonal direction with respect to the plane of the orbit, select ramp, enter the fields from and to in pixels and the ramp time. Generally the ramp is symmetric.

There is a relationship of how fast you can ramp and the number of R-periods. If the orbit period is longer that 8192us, the R-period is automatically set to 1 and the timing of the ramp is precise. For shorter periods, the R-period value is increased to take into account the speed of feedback. In my tests, the ramp time is precise only up to a period of 4096us. For shorter period, the system cannot ramp precisely. We do not recommend using orbit periods shorter than 4096us. Note that this value is irrespective of the ramp speed and of the ramp total size. This limitation is due to the feedback system.