

## Cancelling Drift Using PCScope

While the joystick protocol has an explicit method of setting inertial drift rates, TASS does not. The recommended method of canceling drift is using the joystick, but if you are not able to use one, there are two methods using TASS.

The first piece of information you will need is the current drift rate. This can be obtained by reading the encoder rate from PCScope, or by using the `*mr?` command.

Next you can send one of two commands, depending on what type of pointing you are using.

`*mPf,f,f,f` moves the gimbal to a specific position, and then commands it to continue to move at a given inertial rate. You can use this to cancel drift by sending a rate command that has the same magnitude as the drift rate, but an opposite sign. Values are in radians or radians/sec, and the format is: AzPos, AzRate, ElPos, ElRate

`*mrf,f` moves the gimbal at a specific inertial rate. You can cancel drift in a similar method to that of `*mP`. Values are in radians or radians/sec, and the format is: AzRate, ElRate.