



Monitoring Commands on the T1

We receive a lot of calls about issues that arise from PC software doing things to the instruments that the crew doesn't know about. When we suspect this type of problem, our standard advice is to:

Unplug all PCs and reset the system.

When that fixes the problem, at least we've placed blame. This paper goes a bit further to help in finding out what's going on.

There is a way to actually find out what commands are being received by the T1; by turning on the "command debug tag", Option 27. Here's how.

1. Decide on an unused tag for monitoring (we usually use the period, ASCII code 46). It might help to review the list of tags on our website (<http://www.ockam.com/docs/taglist.html>).
2. Send the direct command to enable the debug tag; O27=46 (or whatever tag you've chosen). You should do this first, so Matryx displays will add "Tag ." to their list.
3. Set a display to show this tag, and observe the results. Many times, there will be so much stuff, that you can't see all of them. In this case you should enable logging to capture them all, then review the log file.

Option 27 is reset on power-up.

The command set is detailed starting at <http://www.ockam.com/control.html>.