

# GPS Valves

## GPS Valve Cycles

GPS valves are the microvalves and GC valves in the manifolds. The high- conductance valve (HCV) and the multi-function valve (MFV) are documented in another entry.

Valve cycles are determined by examining the message log and counting the number of times a valve transitions from closed to opened. When counting valve cycles for a TID, the state of the valve cycles in the previous TID is accounted for. The exact regexes used (as of Feb 22) are:

```
VALVE_OPENED_REGEX = r'.*valve \d opened$'
```

```
VALVE_CLOSED_REGEX = r'.*valve \d closed$'
```

---

Revision #1

Created 28 March 2026 21:49:50 by Eric Lyness

Updated 28 March 2026 21:51:51 by Eric Lyness