

# Filaments

DraMS has two filaments, filament A and filament B.

## On Time

Filament A and Filament B on time are determined by measuring the amount of time that HFB\_FIL\_ON\_A or HFB\_FIL\_ON\_B are 1.

## Cycles

Filament A and Filament B cycles are determined by counting the number of times the filaments transition from off to on. A few notes about the algorithm:

- if the digital status packet indicates that the SEB is off, then the state of the filaments is considered to be off.
- a filament is considered to be on if its "on bit" is set to 1, and if the FIL\_VMON is above 2.5V. Otherwise, it is assumed to be off.
- if the FIL\_VMON is not being sampled, then only the "on bits" are used to determine if the filaments are on.

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Revision #2

Created 28 March 2026 20:59:27 by Eric Lyness

Updated 28 March 2026 21:31:17 by Eric Lyness