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 if its on "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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