Point S.2

Load config

Config loading successful?

No → Print error message → Set shared variable int done to 1. → _exit()

Yes ↓

Enter loop, querying csac while(!done)

↓

Acquire CSAC lock

↓

Get CSAC telemetry data

↓

Release CSAC lock

Is the filter initialized?

No → Initialize with values parsed from CSAC telemetry and config file (if present)

Yes ↓

Calculate predicted steer values

→ Filter "maturered"?

Yes → Steer CSAC

No ↓

Logging enabled?

No → Sleep

Yes ↓

Log telemetry and filter state

→ Sleep