Parser and handler

Point S.4

Handle the request

Is the request NMEA data? → Execute command: PRINTCLIENTS, DISCONNECT, QUERYCSAC, etc.

Calculate NMEA checksum

NMEA checksum ok?

No → Return

Yes → Format NMEA data, fill NMEA struct.

Mark Sensor as ready

Acquire ready lock

All Sensors ready?

Yes → Apply filters

Go to S.6

Apply filters

No → Release ready lock

Release ready lock

Return