



Figure 4.3: Timing diagram of Hubo-Ach. All times t_* denote measured times each block takes to complete. Tests were done on a 1.6Ghz Atom D525 Dual Core with 1GB DDR3 800Mhz memory running Ubuntu 12.04 LTS linux kernel 3.2.0-29 on a Hubo2+ utilizing a CAN bus running at 1Mbps baud. Average CPU usage is 7.6% using a total of 4Mb of memory.