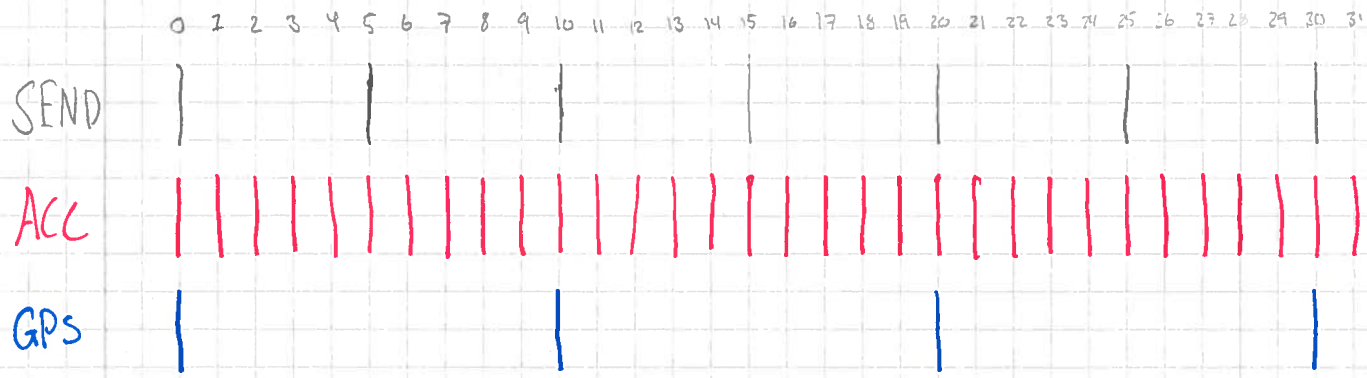

We control the system with the frequency of the SEND Rate. This frequency is maintained by the LLI. Every time the HLI receives a number of packets, it will respond with the control signals.

$20 \cdot (6 + 12) + (6 + 42) = 408 \approx 512$

IMU, GPS, overhead

$\frac{1920}{512} \approx 3,75 \approx 3\ hz$

(Maybe possible to increase to $4\ hz$ $\left(\frac{1920}{408} = 4,7\right)$)

$\frac{20\ hz}{3} = 6,666.. \approx 7$

T_{IMU} message if we sample with $3hz$

Worst case for buffer content:

$7 \cdot (6+12) + 48 = 174$

IMU, GPS

In case no "Request" is received, the HLI should re-request. However there will be a delay before this happens. In this time more measurements can be recived, To be safe, the buffer length is doubled.

Final buffer length is $348 \approx 350$

Buffer should be 350