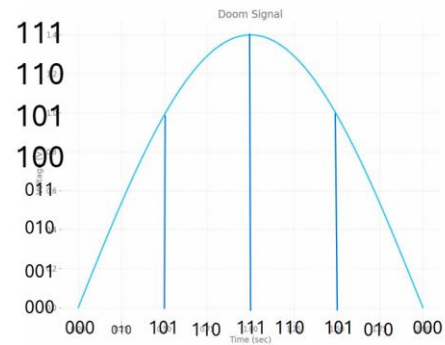
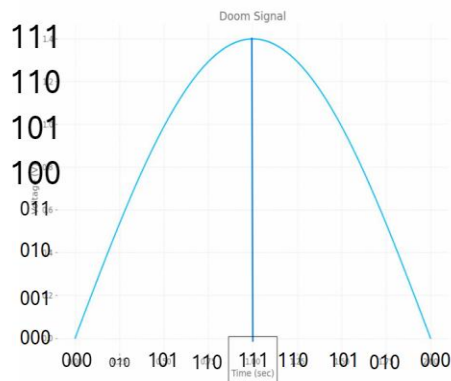


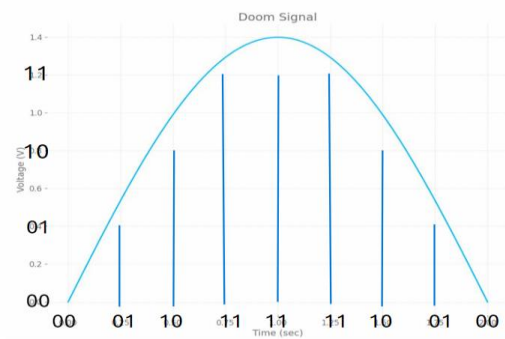
3-bit encoder with sampling time 0.25sec



3-bit encoder with sampling time 0.5 sec



3-bit encoder with sampling time 1 sec



2-bit encoder with sampling time 0.25 sec

#### Notes :

- 1- The 3 bit encoder with sampling time 0.25 was the best choice for ADC
- 2- The 2 bit encoder with the same sampling time was less effective than the 3 bit encoder one
- 3- The 3 bit encoder with sampling time 1 sec will almost waste the whole data