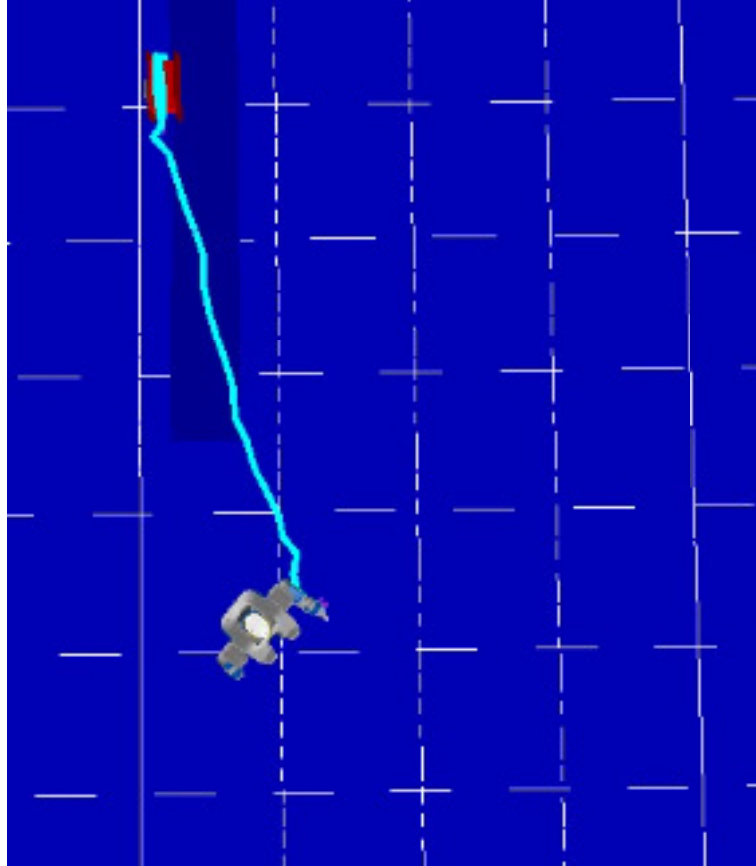
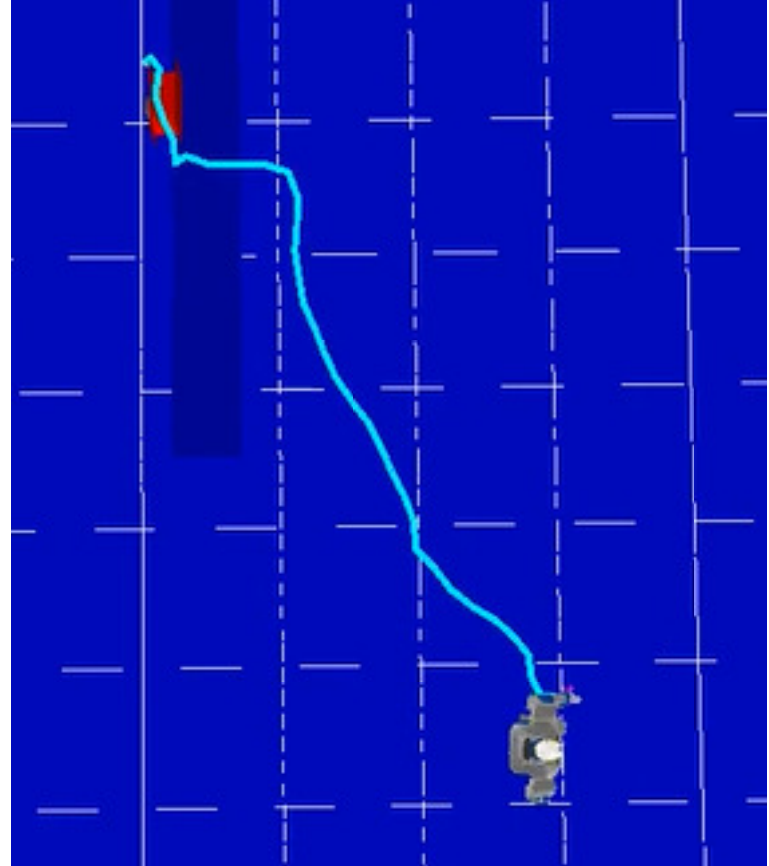


a)  $t = 0$  s



b)  $t = 39$  s



c)  $t = 70$  s