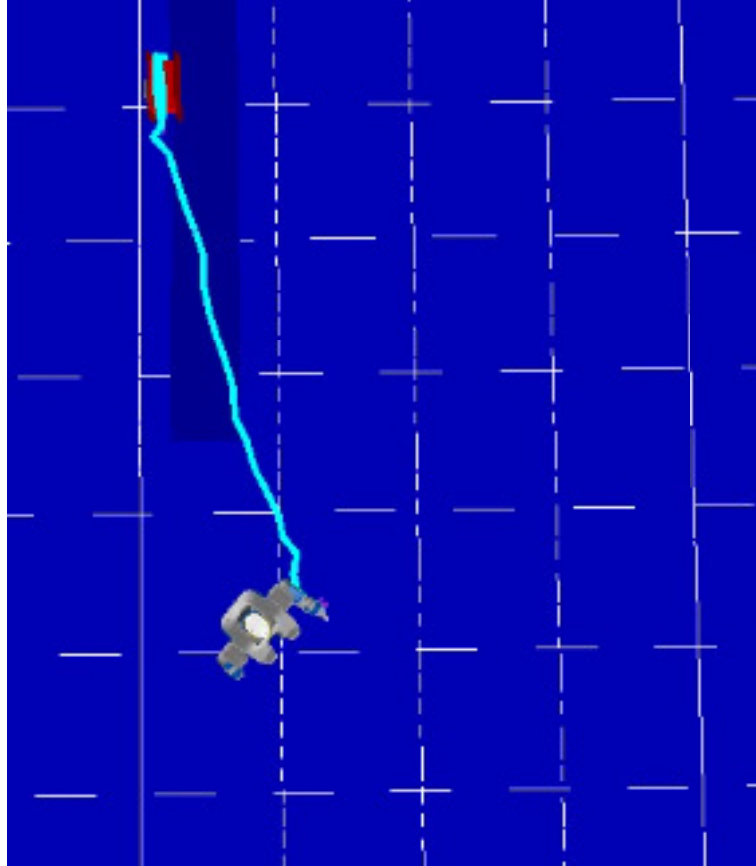
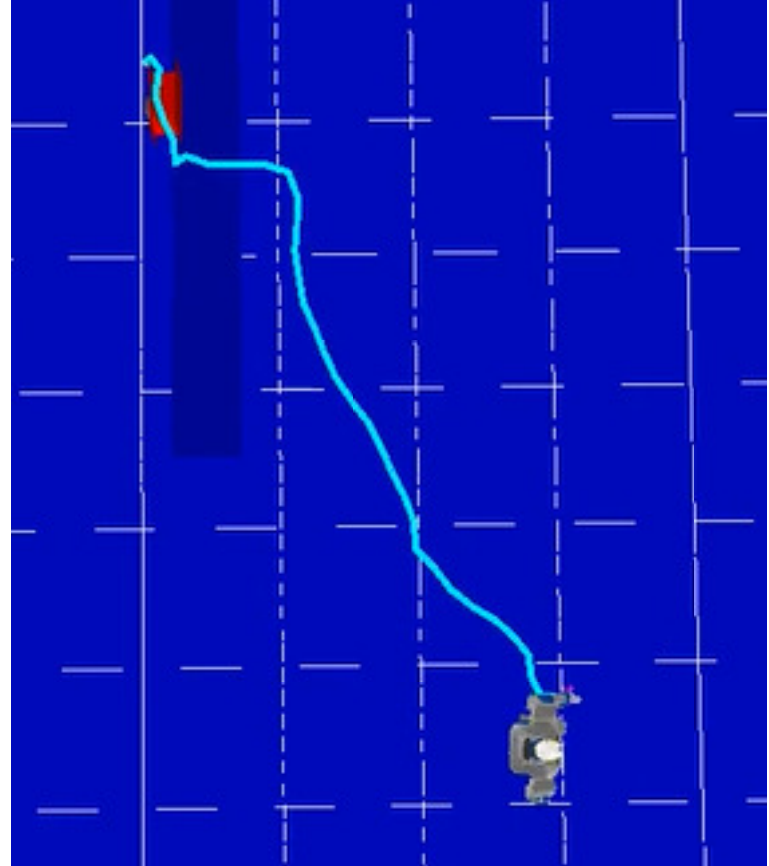


a) $t = 0$ s



b) $t = 39$ s



c) $t = 70$ s