Time (s)	Position (m)	Sqrt(Position)
0	1.802	1.342
1	5.777	2.404
2	8.999	3.000
3	22.554	4.749
4	30.018	5.479
5	45.553	6.749
6	78.022	8.833
7	110.452	10.510
8	136.907	11.701
9	164.711	12.834
10	195.980	13.999

Position (m)

$y = 1.8856x^2 + 1.2729x + 0.4382$
$R^2 = 0.9946$

Sqrt(Position)

$y = 1.3271x + 0.7825$
$R^2 = 0.9912$
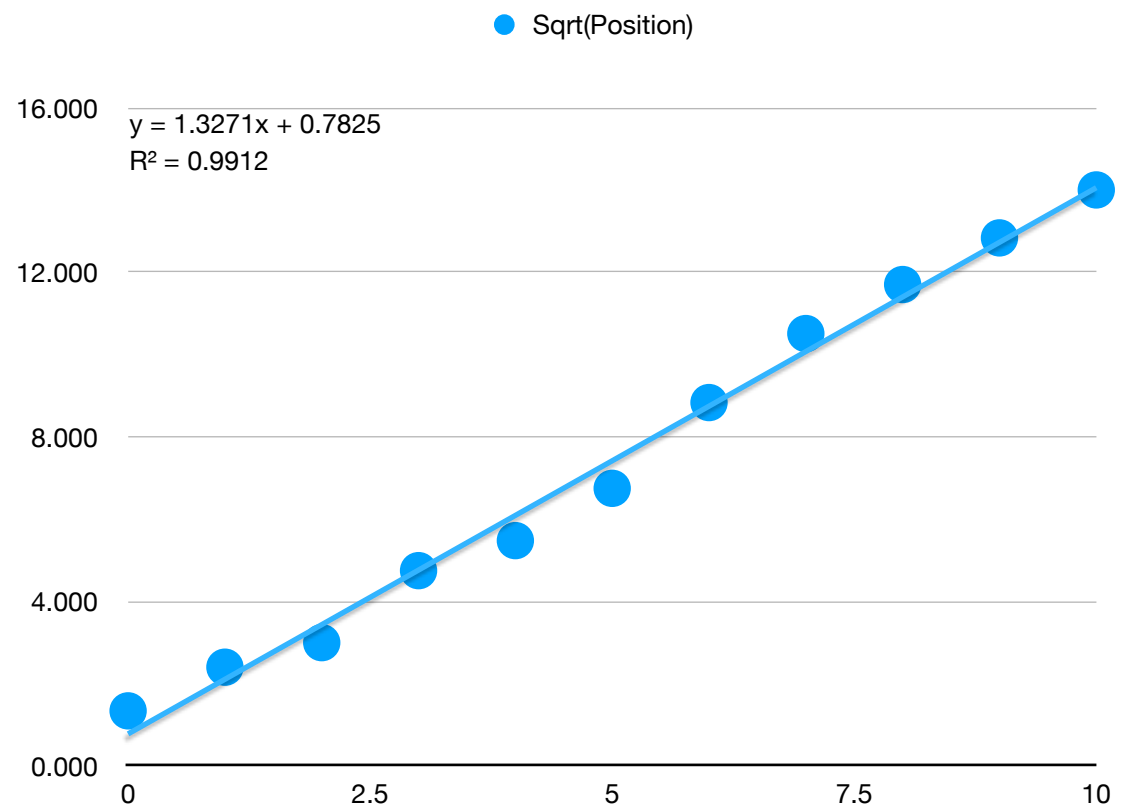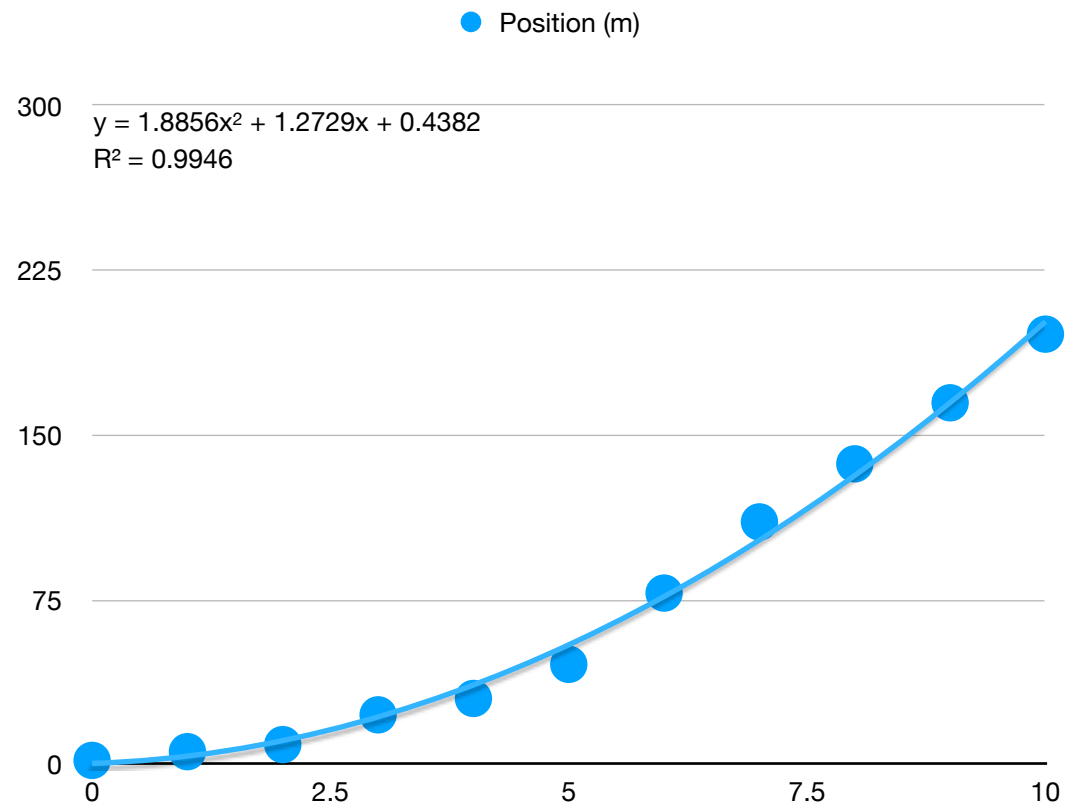
Time (s)	Position (m)	Log(Position)
0	5.44	0.736
1	9.07	0.958
2	14.87	1.172
3	25.55	1.407
4	42.09	1.624
5	64.12	1.807
6	107.41	2.031
7	190.03	2.279
8	298.57	2.475
9	491.20	2.691
10	800.00	2.903

Position (m)

Log(Position)

$y = 0.2166x + 0.7426$
$R^2 = 0.9997$
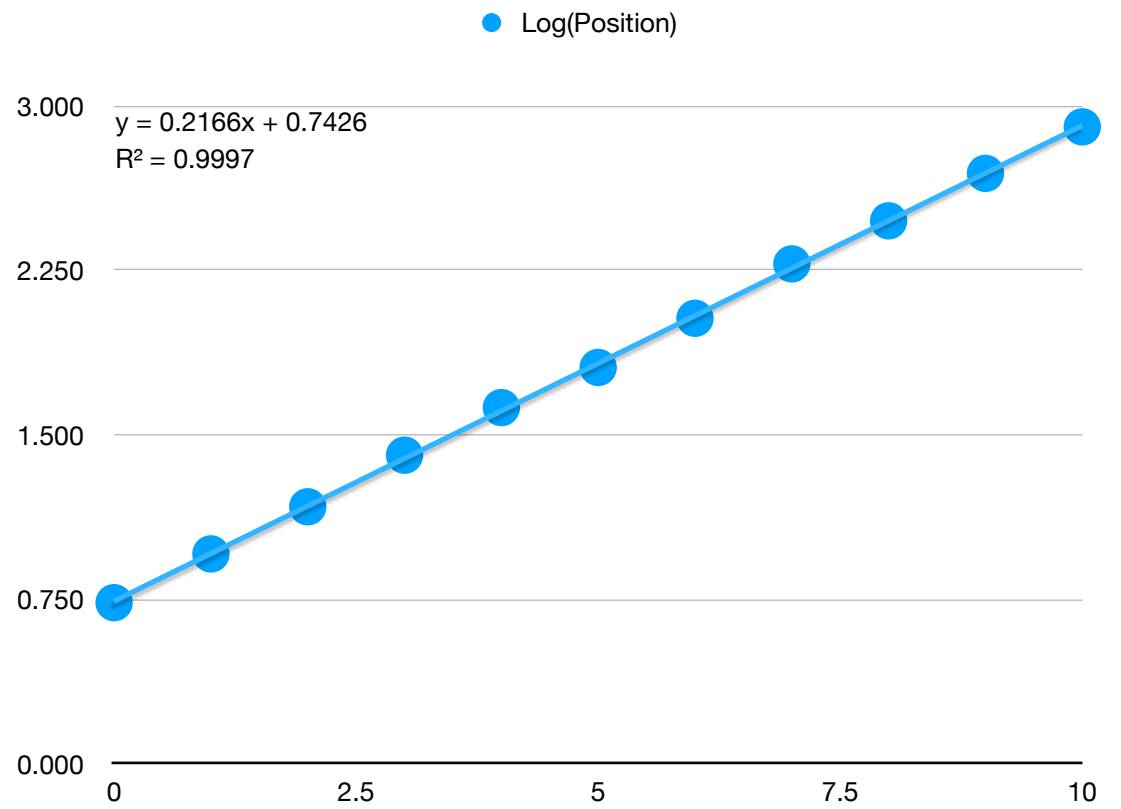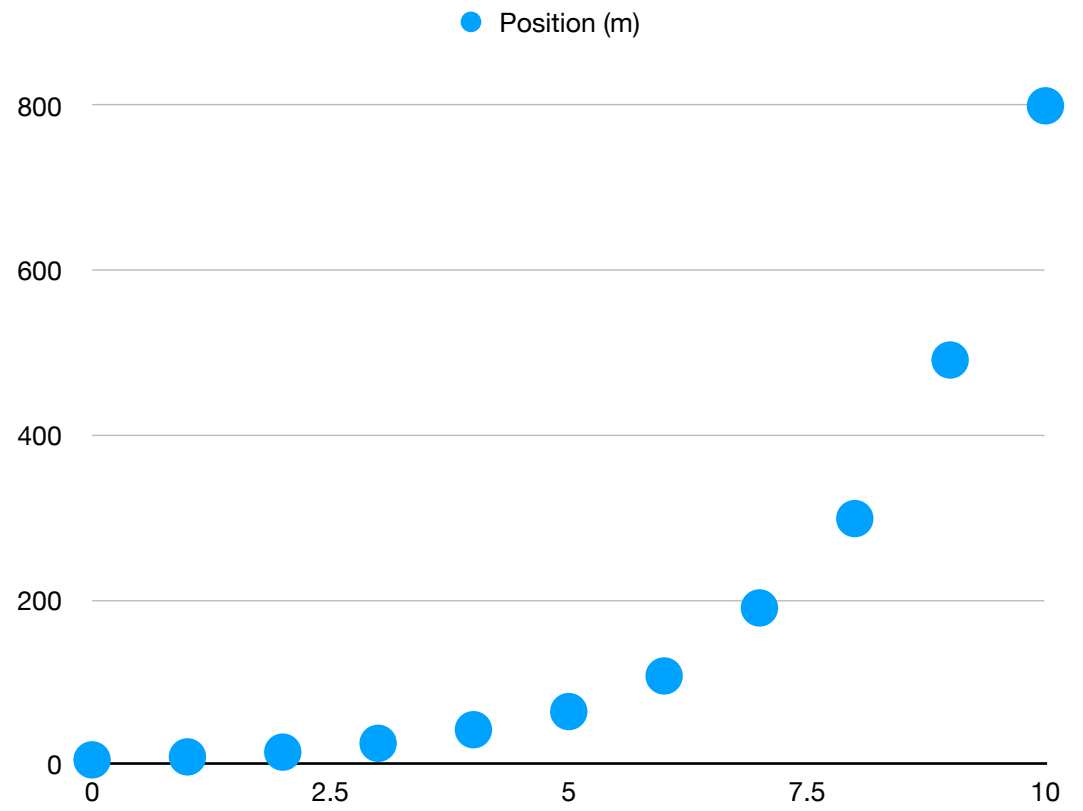
Time (s)	Position (m)	Exp(Position)
0	0.01	1.010
1	0.21	1.234
2	0.30	1.350
3	0.50	1.649
4	0.61	1.840
5	0.72	2.054
6	0.76	2.138
7	0.85	2.340
8	0.85	2.340
9	0.94	2.560
10	0.98	2.664

Position (m)

Exp(Position)

$y = 0.1657x + 1.0969$
$R^2 = 0.9788$