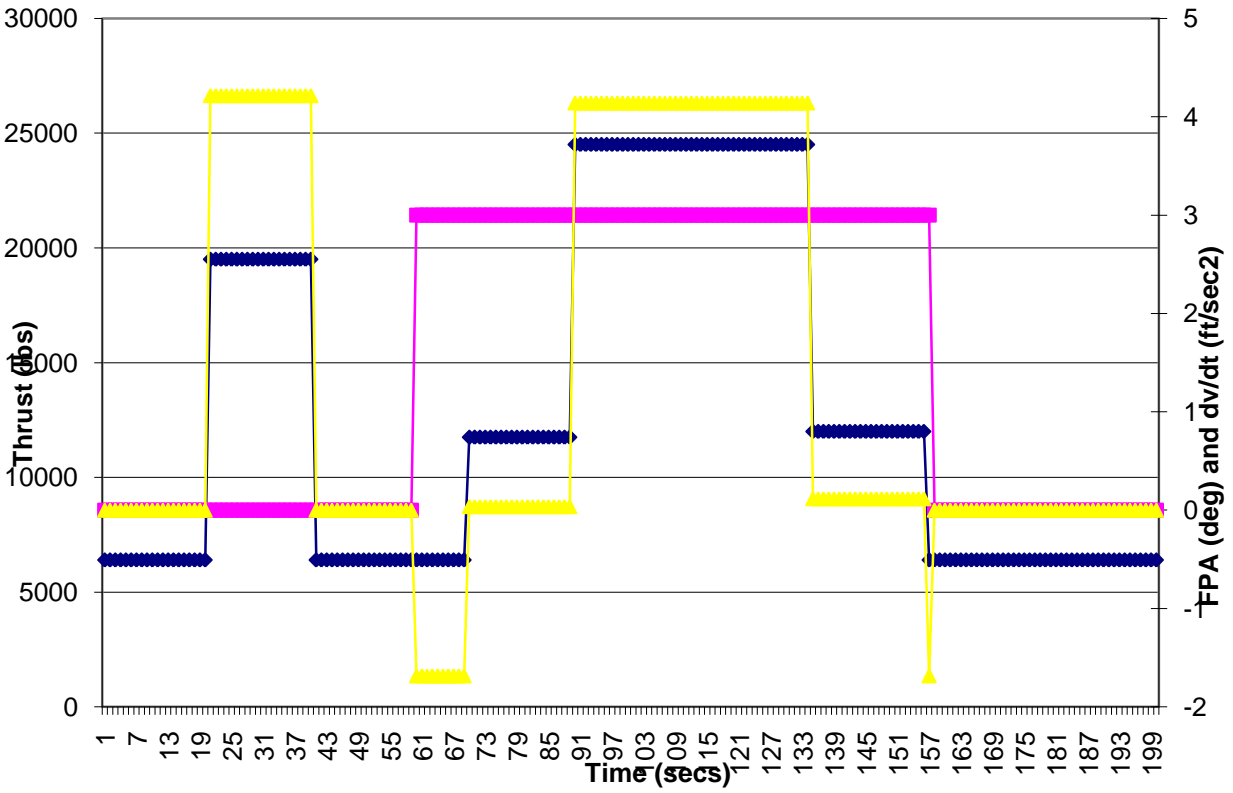


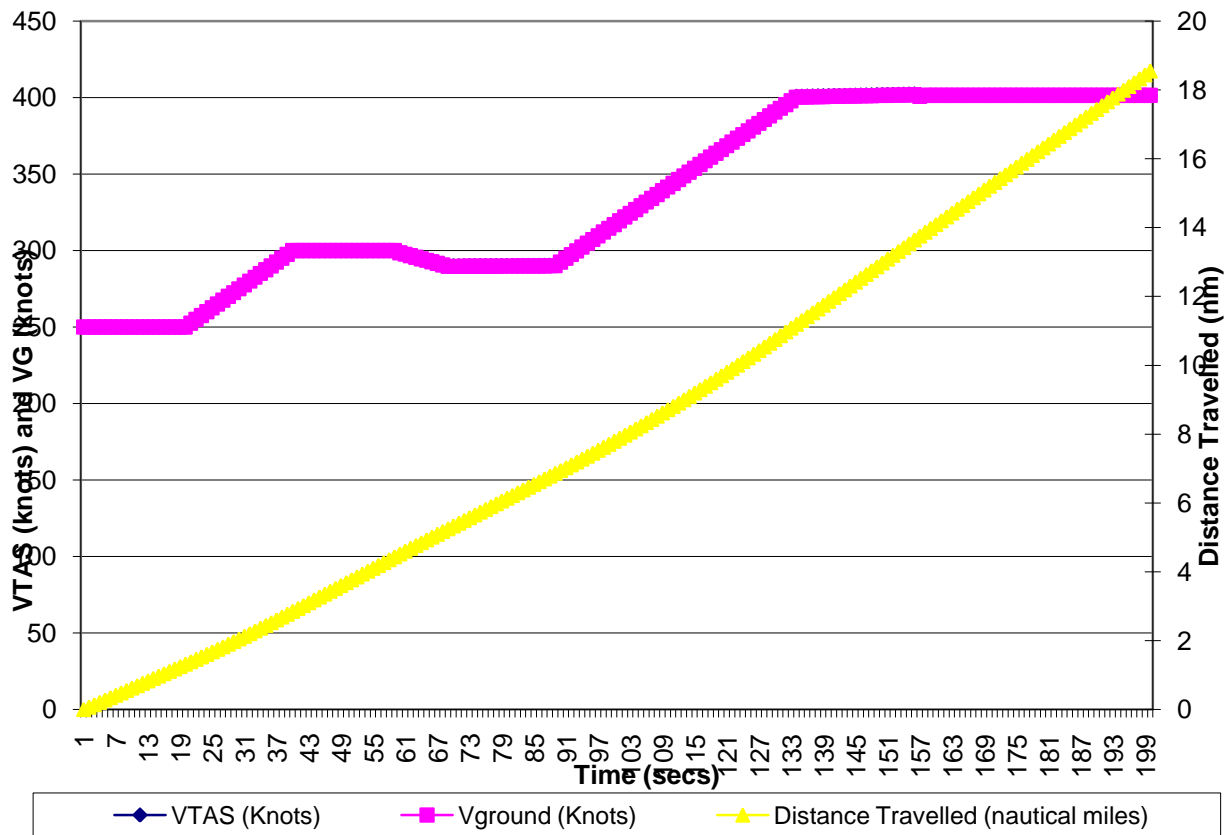
Aircraft Performance Solution Set

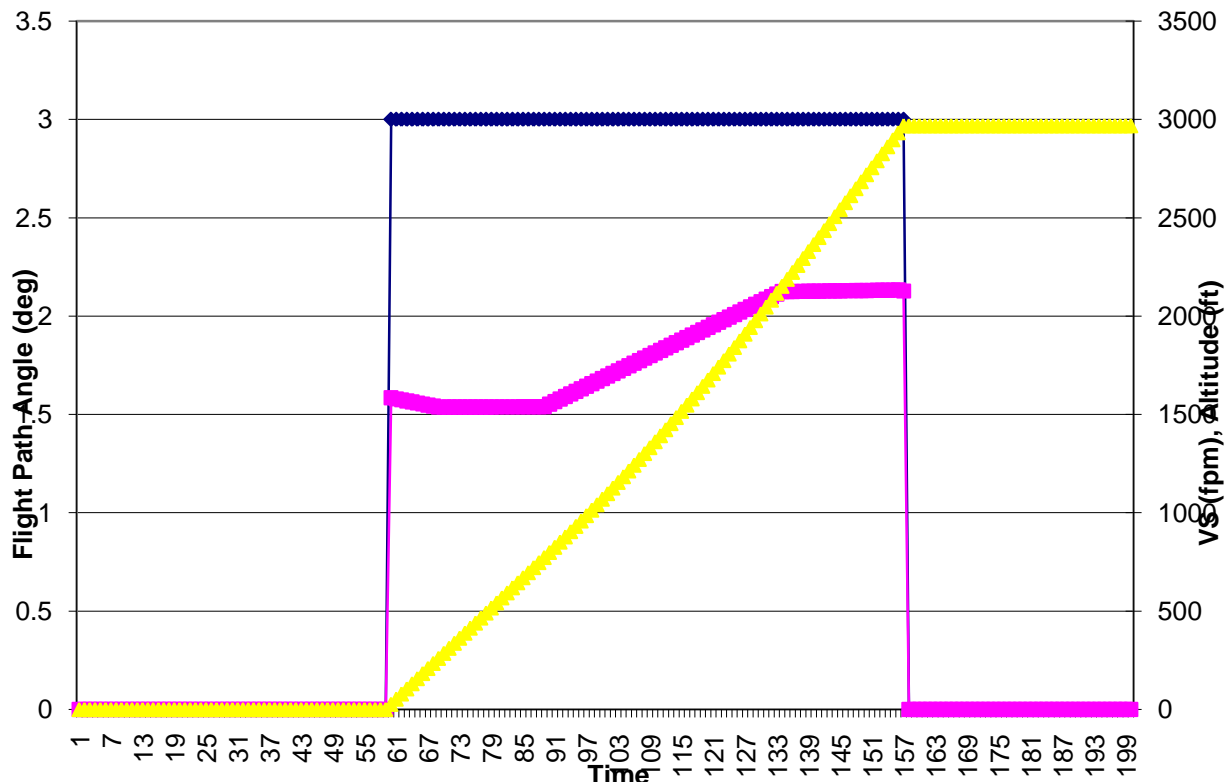
Sample Spreadsheet Results

Time	Thrust (lbs)	Drag (lbs)	Weight (lbs)	Mass	Flight Path Angle (degrees)	sin(Flight Path Angle) (radians)	dV/dt (ft/sec ²)	g	VTAS (ft/sec)	VTAS (Knots)	Vground (ft/sec)	Vground (Knots)	Distance Traveled (ft)	Distance Traveled (nautical miles)	Vertical Speed (ft/sec)	Vertical Speed (feet per minute)	Altitude (ft)
1	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	0	0	0	0	0
2	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	422	0.069454	0	0	0
3	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	844	0.138907	0	0	0
4	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	1266	0.208361	0	0	0
5	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	1688	0.277814	0	0	0
6	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	2110	0.347268	0	0	0
7	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	2532	0.416722	0	0	0
8	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	2954	0.486175	0	0	0
9	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	3376	0.555629	0	0	0
10	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	3798	0.625082	0	0	0
11	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	4220	0.694536	0	0	0
12	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	4642	0.763989	0	0	0
13	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	5064	0.833443	0	0	0
14	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	5486	0.902897	0	0	0
15	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	5908	0.97235	0	0	0
16	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	6330	1.041804	0	0	0
17	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	6752	1.111257	0	0	0
18	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	7174	1.180711	0	0	0
19	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	7596	1.250165	0	0	0
20	6404	6404	100,000	3105.59	0	0	0	0	422	250.0329	422	250.0329	8018	1.319618	0	0	0
21	1950	6404	100,000	3105.59	0	0	4.216912	0.13096	426.2169	252.5314	426.2169	252.5314	8444.217	1.389766	0	0	0
22	1950	6404	100,000	3105.59	0	0	4.216912	0.13096	430.4338	255.0299	430.4338	255.0299	8874.651	1.460607	0	0	0
23	1950	6404	100,000	3105.59	0	0	4.216912	0.13096	434.6507	257.5284	434.6507	257.5284	9309.301	1.532143	0	0	0
24	1950	6404	100,000	3105.59	0	0	4.216912	0.13096	438.8676	260.0269	438.8676	260.0269	9748.169	1.604373	0	0	0
25	1950	6404	100,000	3105.59	0	0	4.216912	0.13096	443.0846	262.5254	443.0846	262.5254	10191.25	1.677297	0	0	0
26	1950	6404	100,000	3105.59	0	0	4.216912	0.13096	447.3015	265.0239	447.3015	265.0239	10638.56	1.750914	0	0	0
27	1950	6404	100,000	3105.59	0	0	4.216912	0.13096	451.5184	267.5224	451.5184	267.5224	11090.07	1.825226	0	0	0
28	1950	6404	100,000	3105.59	0	0	4.216912	0.13096	455.7353	270.0209	455.7353	270.0209	11545.81	1.900232	0	0	0
29	1950	6404	100,000	3105.59	0	0	4.216912	0.13096	459.9522	272.5194	459.9522	272.5194	12005.76	1.975932	0	0	0
30	1950	6404	100,000	3105.59	0	0	4.216912	0.13096	464.1691	275.0179	464.1691	275.0179	12469.93	2.052326	0	0	0



◆ Thrust (lbs) ■ Flight Path Angle (degrees) ▲ dV/dt (ft/sec2)





◆ Flight Path Angle (degrees)
 ■ Vertical Speed (feet per minute)
 ▲ Altitude (ft)

