

**Test Card - Dynamic Longitudinal Stability**

Date:  
Weight:

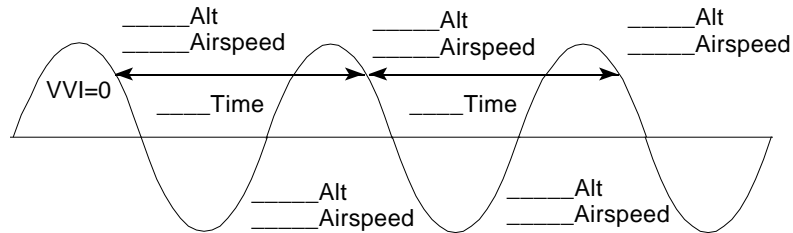
Pilot:  
CG:

**Short Period**

Config	Trim Speed	1000 ft	2000 ft	5000 ft	No. Of overshoots	Heavily Damped Yes/No
Clean						
Full Flaps						
Gear Flaps						

**Long Period**

**Note:** If the amplitude damps out, the aircraft has positive dynamic stability. This is the most desired effect as it needs less pilot attention to fly the aircraft. If the amplitude does not change over time it is said to have neutral dynamic stability. If the oscillations increase over time it is said to have negative dynamic stability. This is not dangerous as long as the rate of change is not too great, but the aircraft will be difficult to trim and will require frequent pilot attention.



Stable? Yes/No, if yes, lightly damped? Yes/No  
Controllable? Yes/No