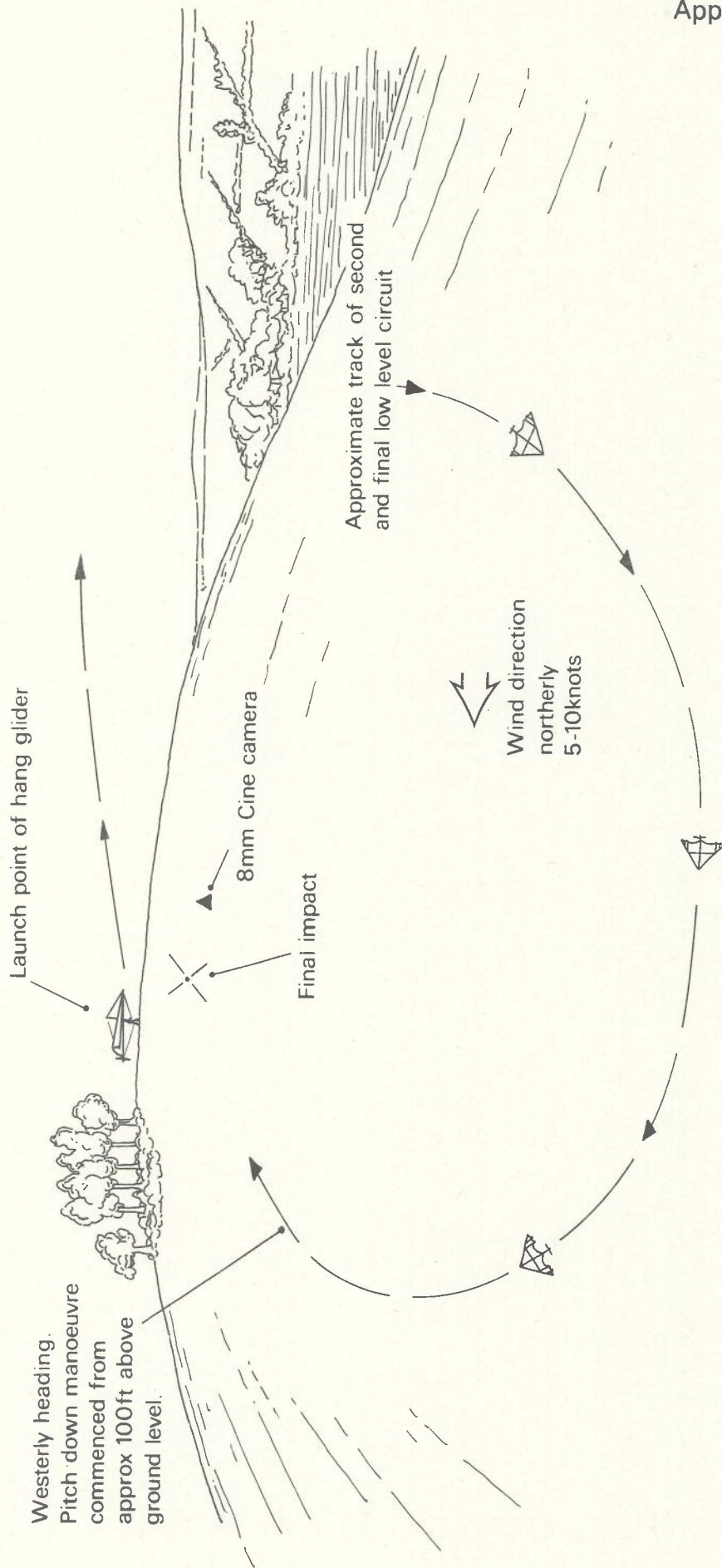


ACCIDENT SITE POWERED FALCON 4 HANG GLIDER 21 MAY 1978  
'WITTENHAM CLUMPS'; ELEVATION 340ft AMSL

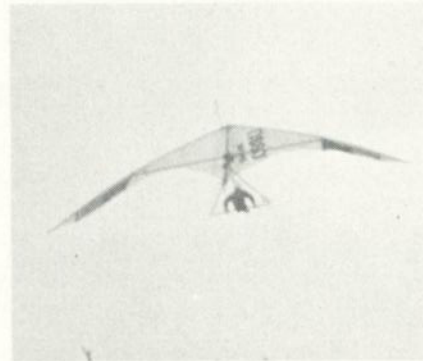


THE FRAMES 1-18 TOTAL 1½ SECONDS AND COVER THE PERIOD BETWEEN THE INITIAL PITCH DOWN CONTROL INPUT UNTIL JUST BEFORE THE FINAL IMPACT. (FRAMES 1-16 ARE SEQUENTIAL AND TAKEN AT 16 FRAMES/SECOND)  
NOTE: BECAUSE THE GLIDER IS APPROACHING AND ABOVE THE CAMERA, THE APPARENT DECREASE OF PITCH ATTITUDE IS LESS THAN THAT ACTUALLY OCCURRING

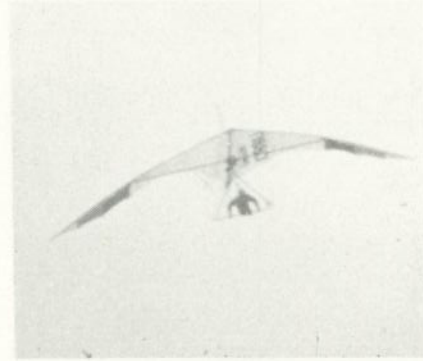
SEQUENCE OF STILLs TAKEN FROM THE 8mm CINE FILM OF THE ACCIDENT TO THE POWERED HANG GLIDER.



1. Pilot pulling the control bar



2.



3.



4.



5.



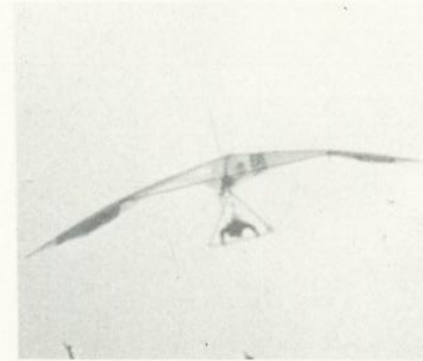
6. Apparent start of push on the control bar, indicated by change of body silhouette.



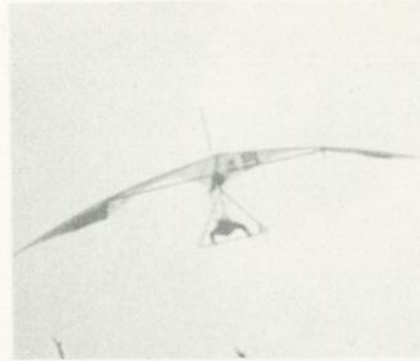
7. All following frames show increasing tip deflation, indicating reducing angle of incidence.



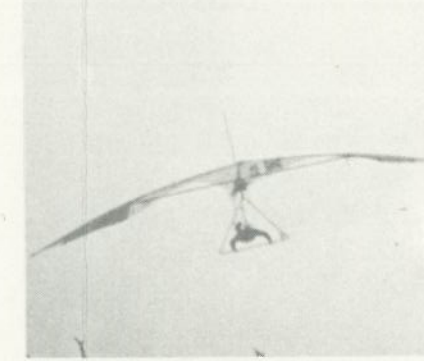
8.



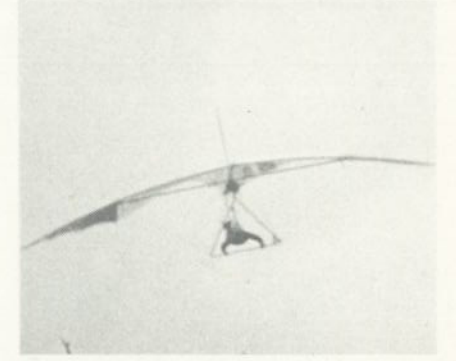
9.



10. Visible change of attitude of the glider, from this point on, indicating a rapid rate of pitch-down.



11. From this frame on the pilot's arms can be seen to be virtually fully extended.



12.



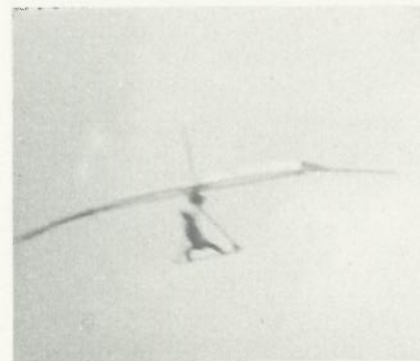
13.



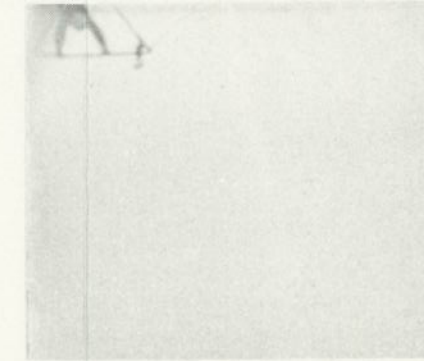
14.



15.



16.



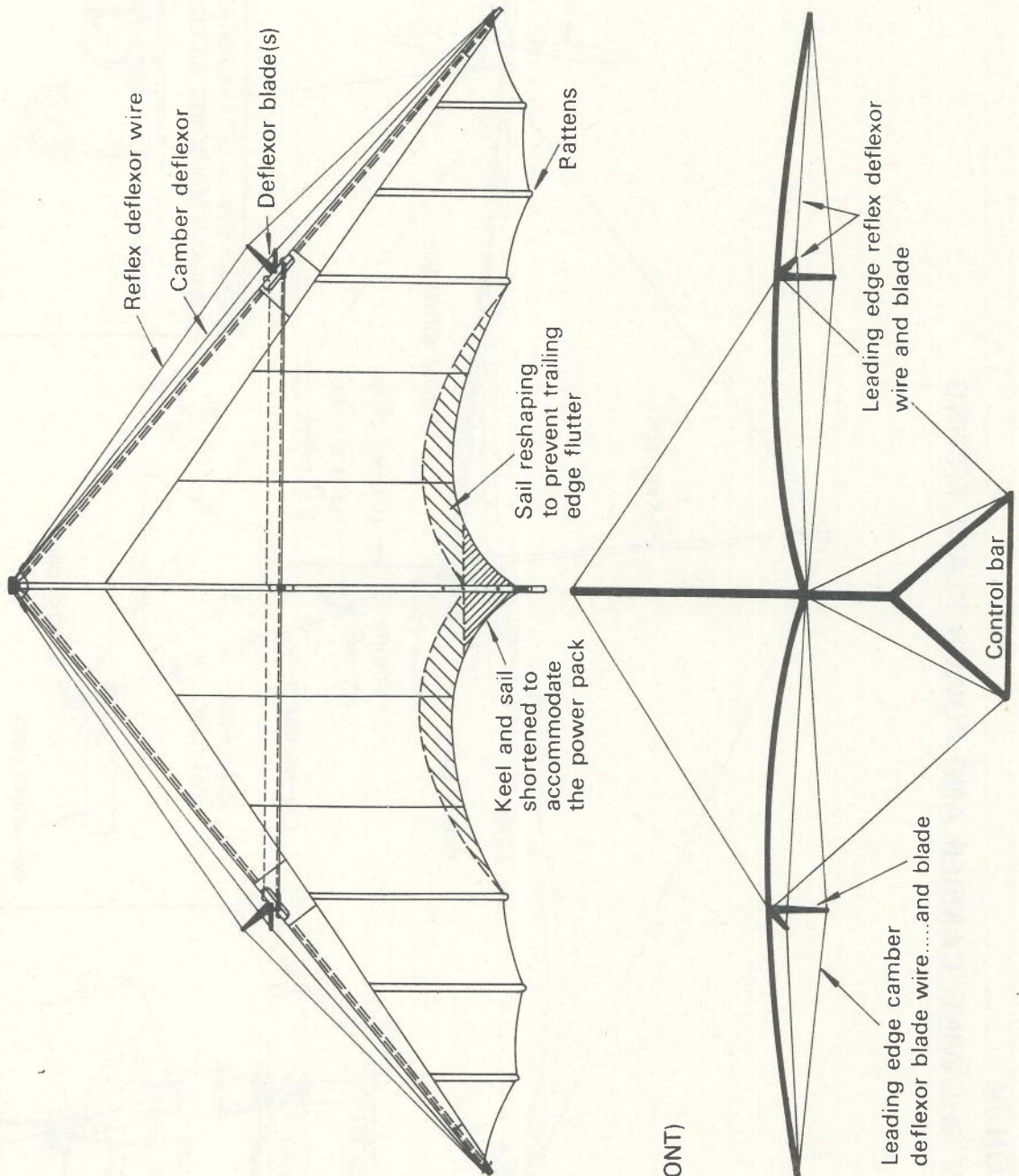
17. Full arm extension, leaving no further pitch-up control



18.



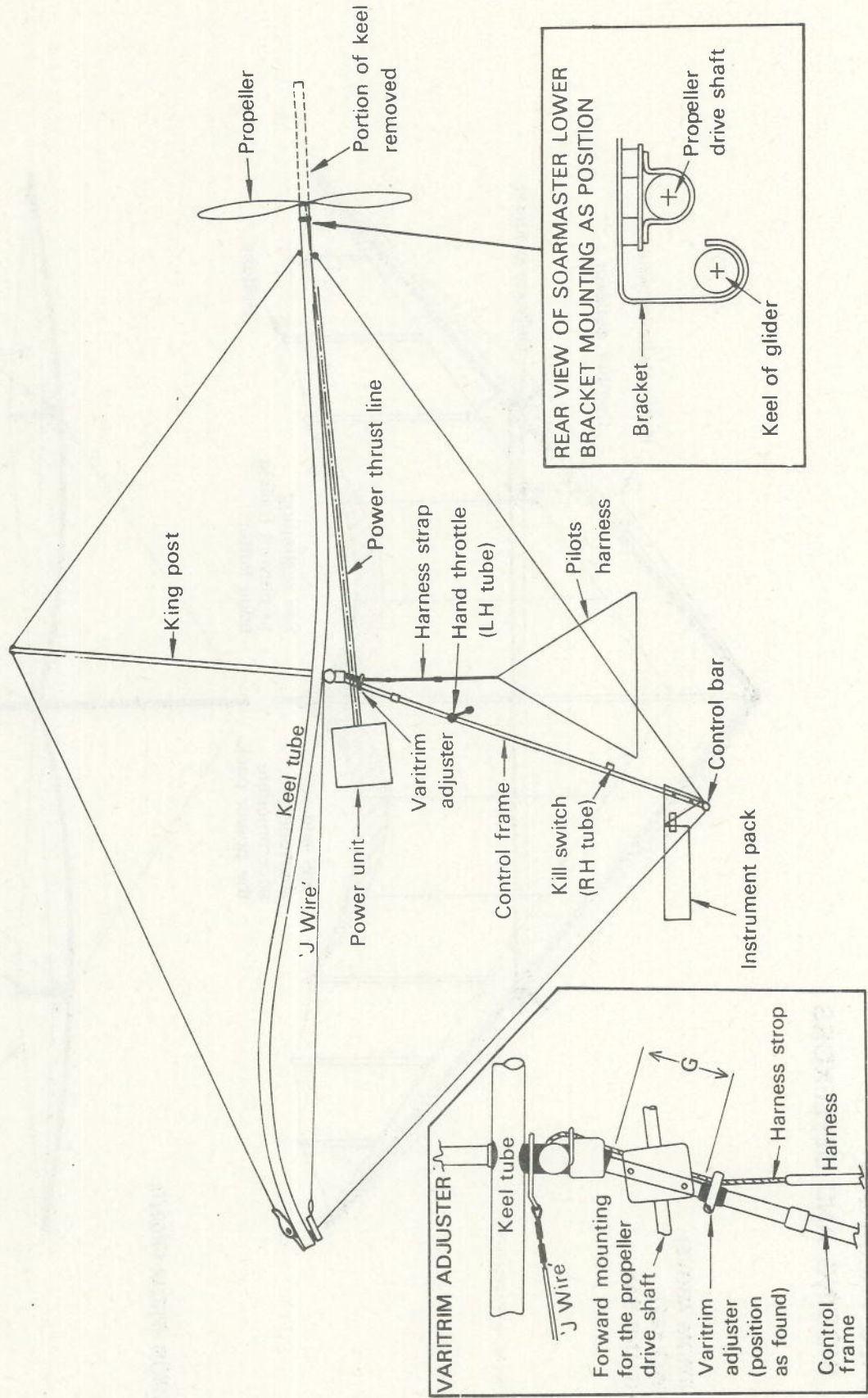
# MODIFIED FALCON IV SAIL, RIGGING AND DEFLEXORS



PLAN (FROM ABOVE)  
SHOWING KEEL  
TUBING AND SAIL

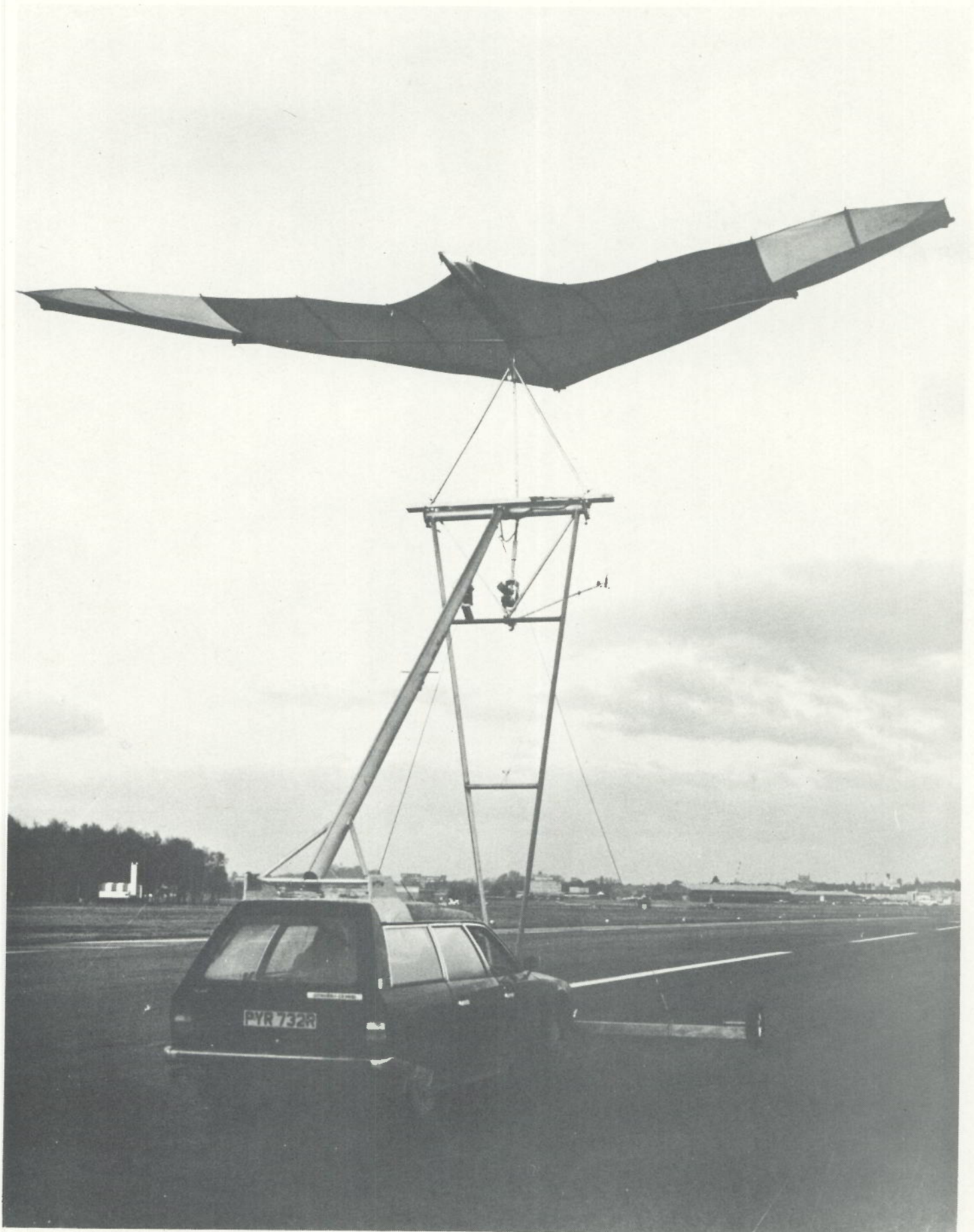
ELEVATION (FROM FRONT)

**MODIFIED FALCON IV  
SIDE ELEVATION SHOWING CAMBER AND POWER PLANT FITTING**

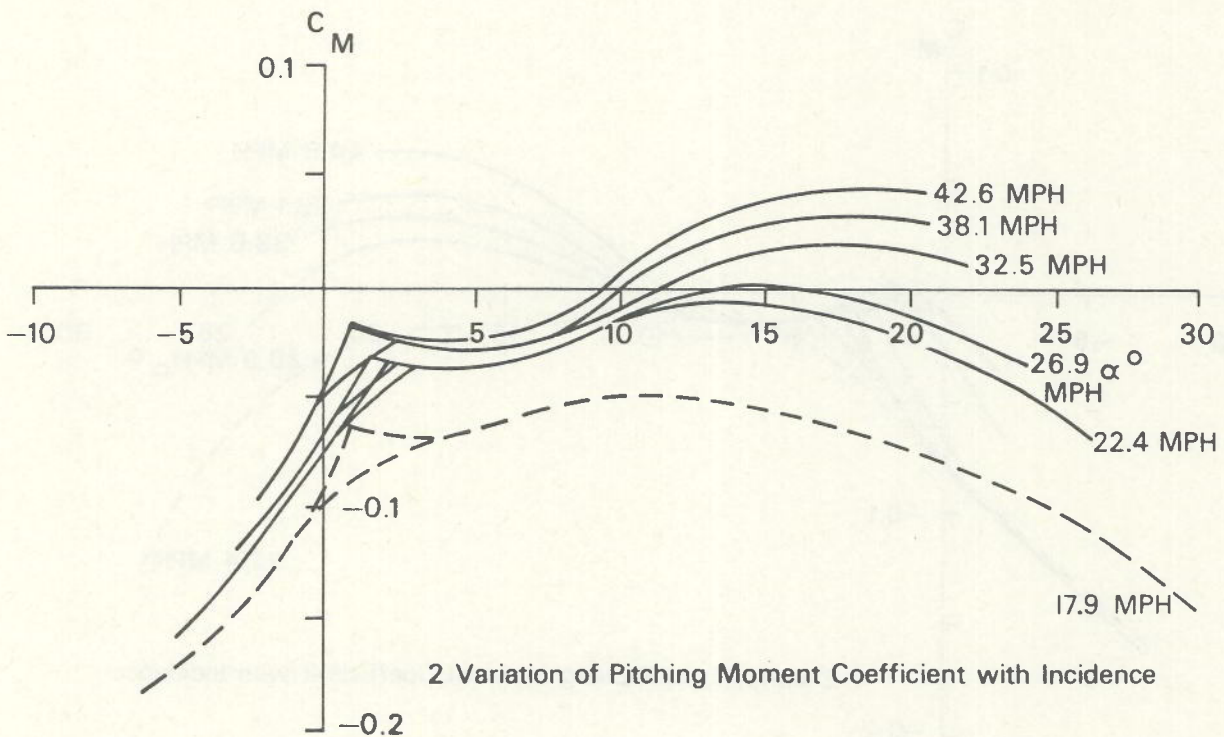
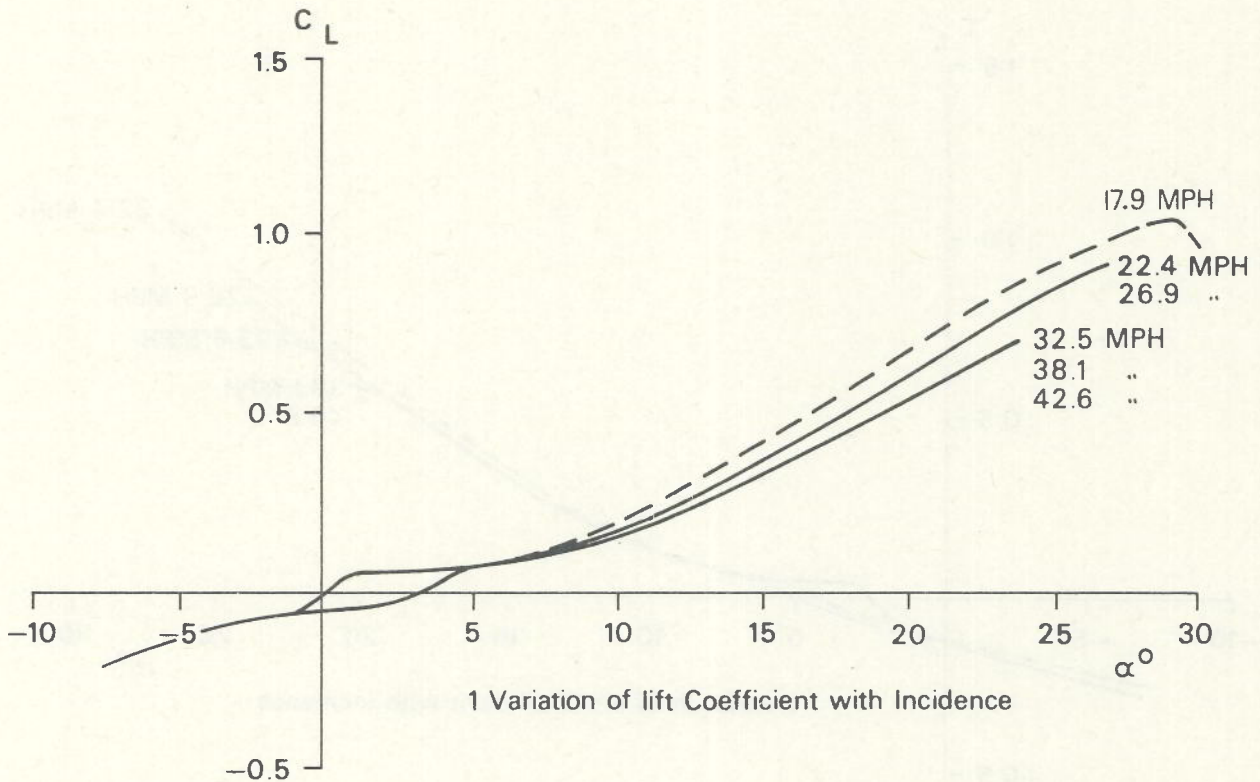




# Hang Glider Test Rig

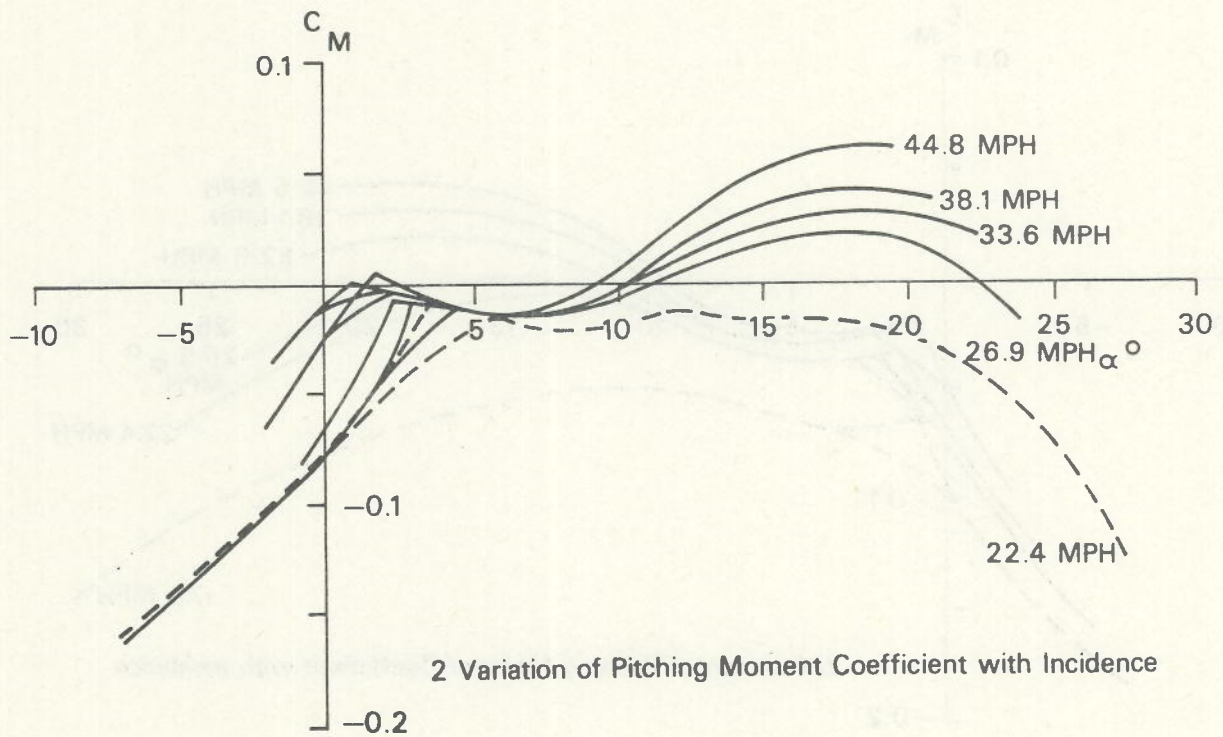
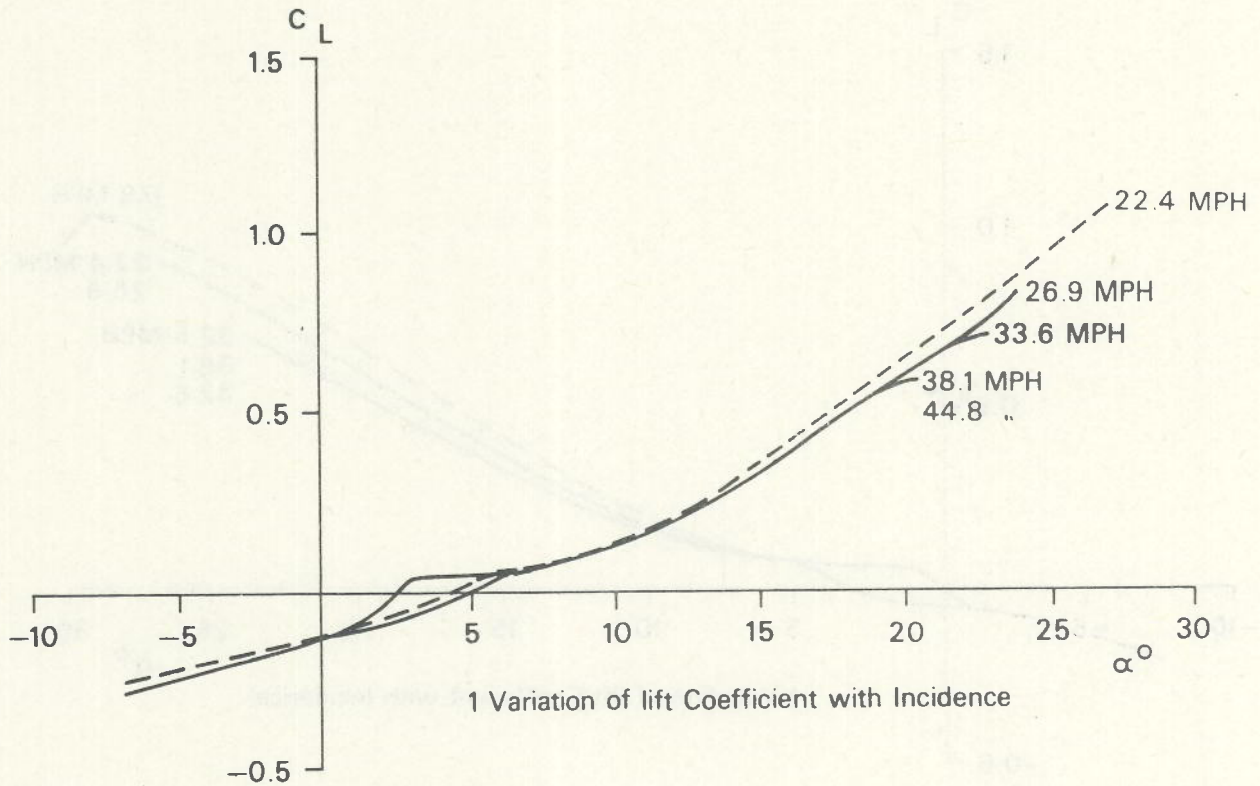


Characteristics of Standard Wasp Falcon IV B Hang Glider

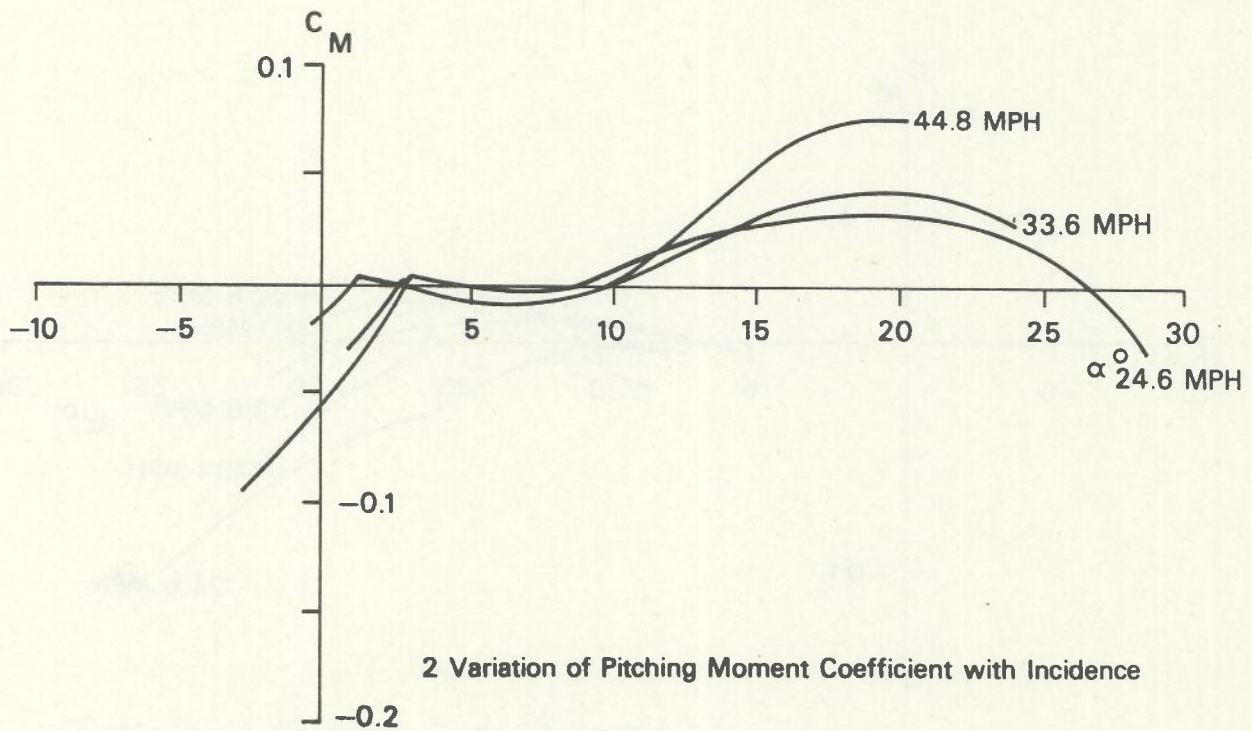
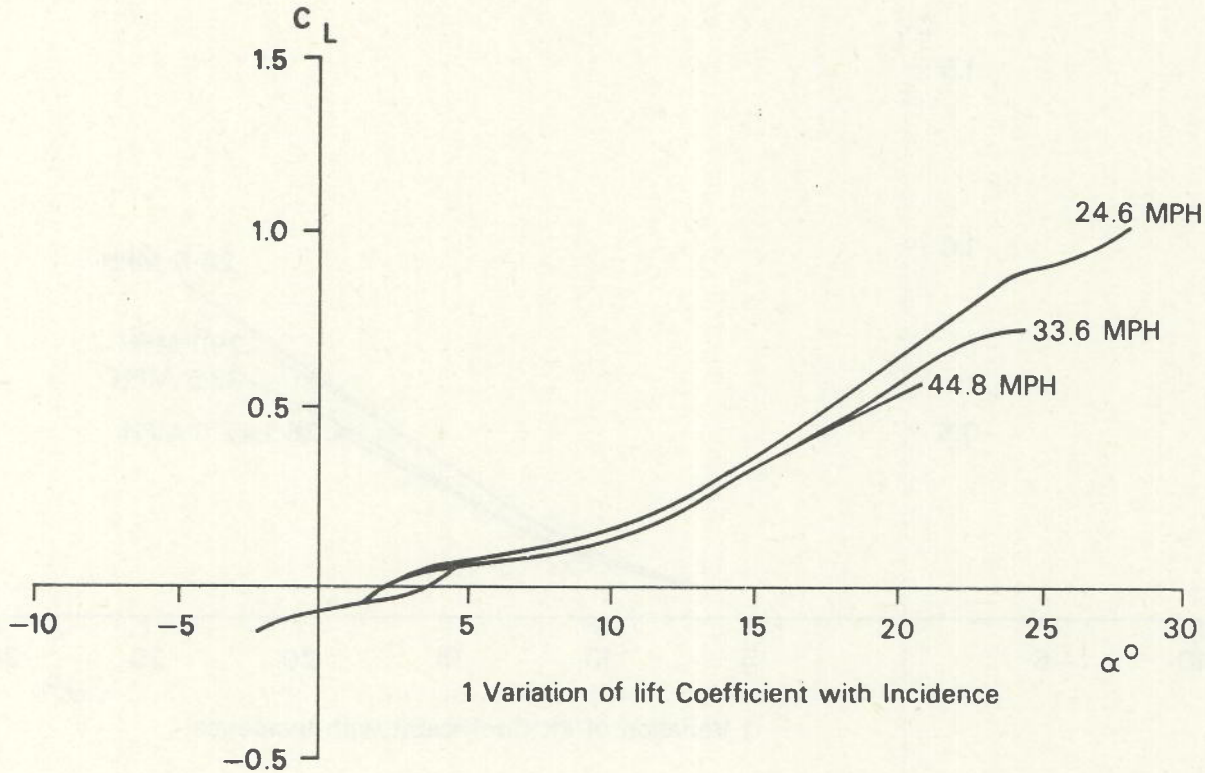




Characteristics of Modified Prototype Wasp Falcon IV Hang Glider

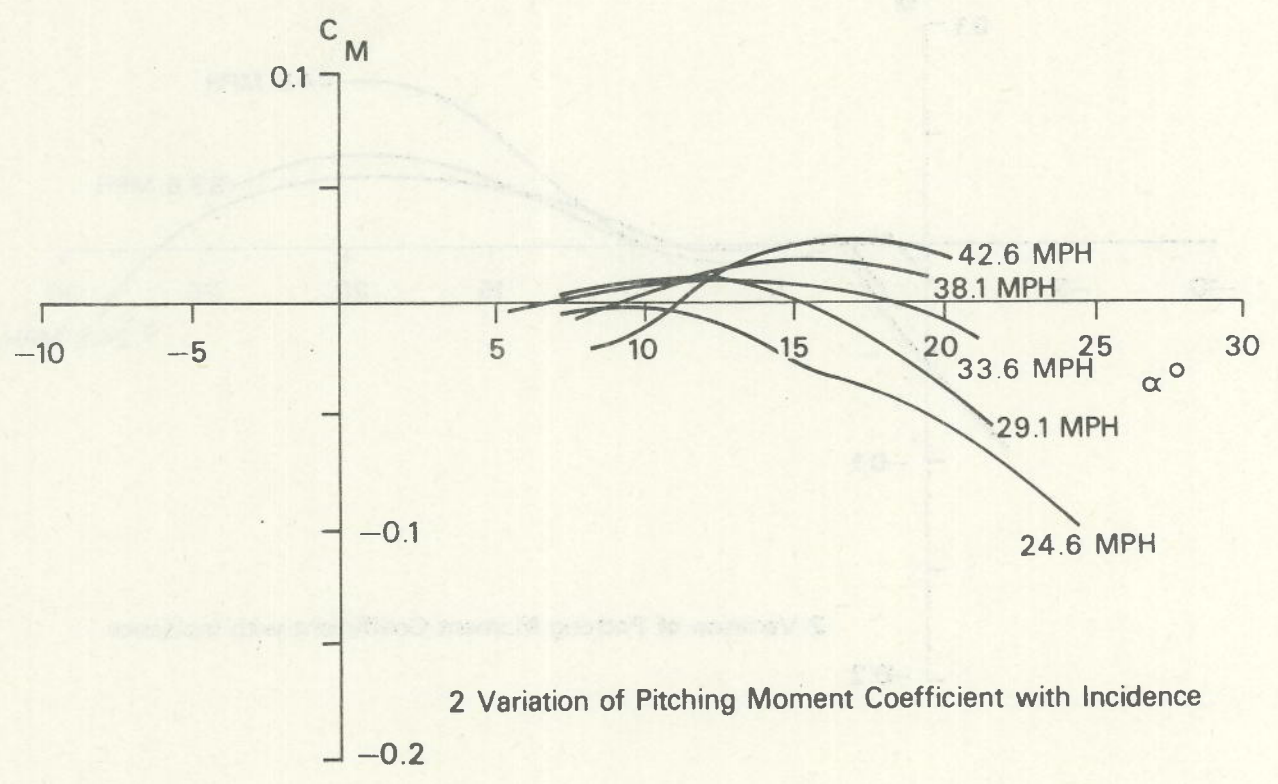
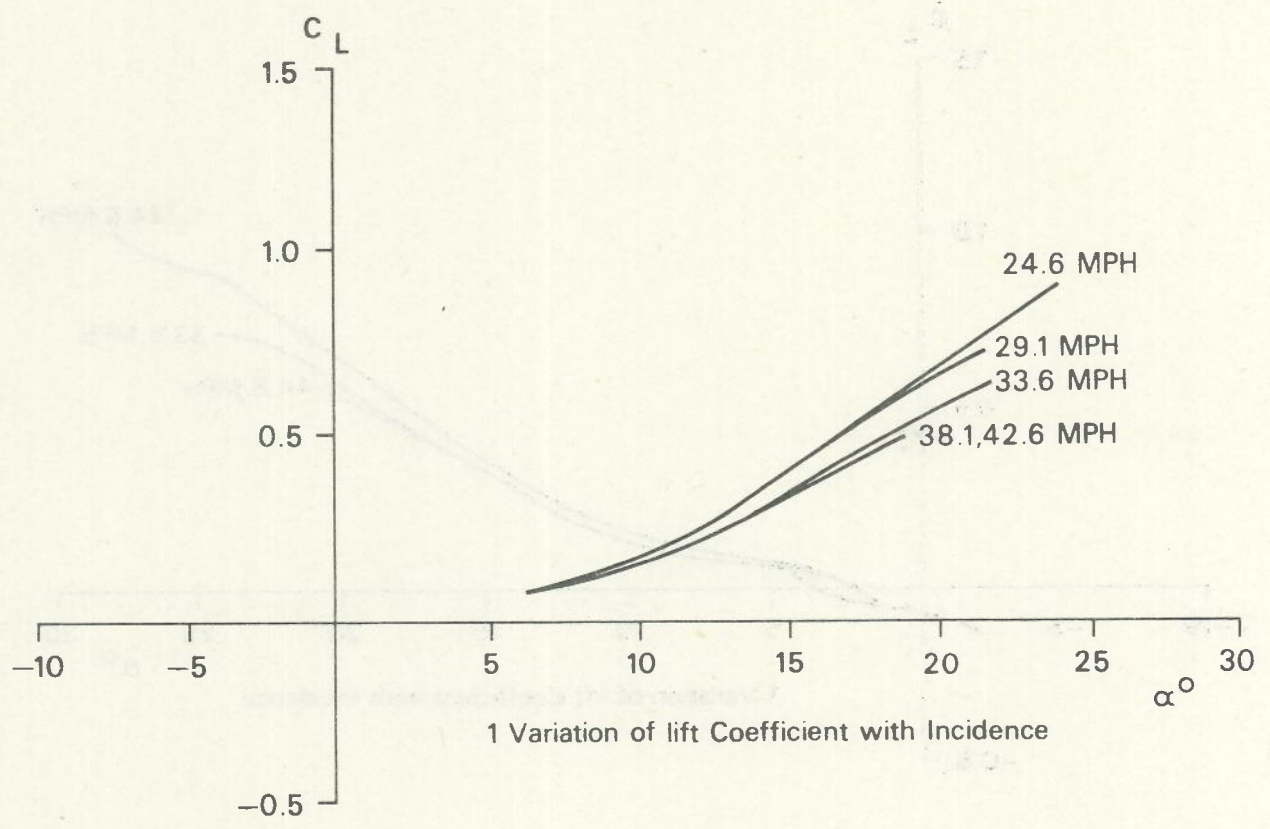


Characteristics of Modified Prototype with Soarmaster power unit attached but not running

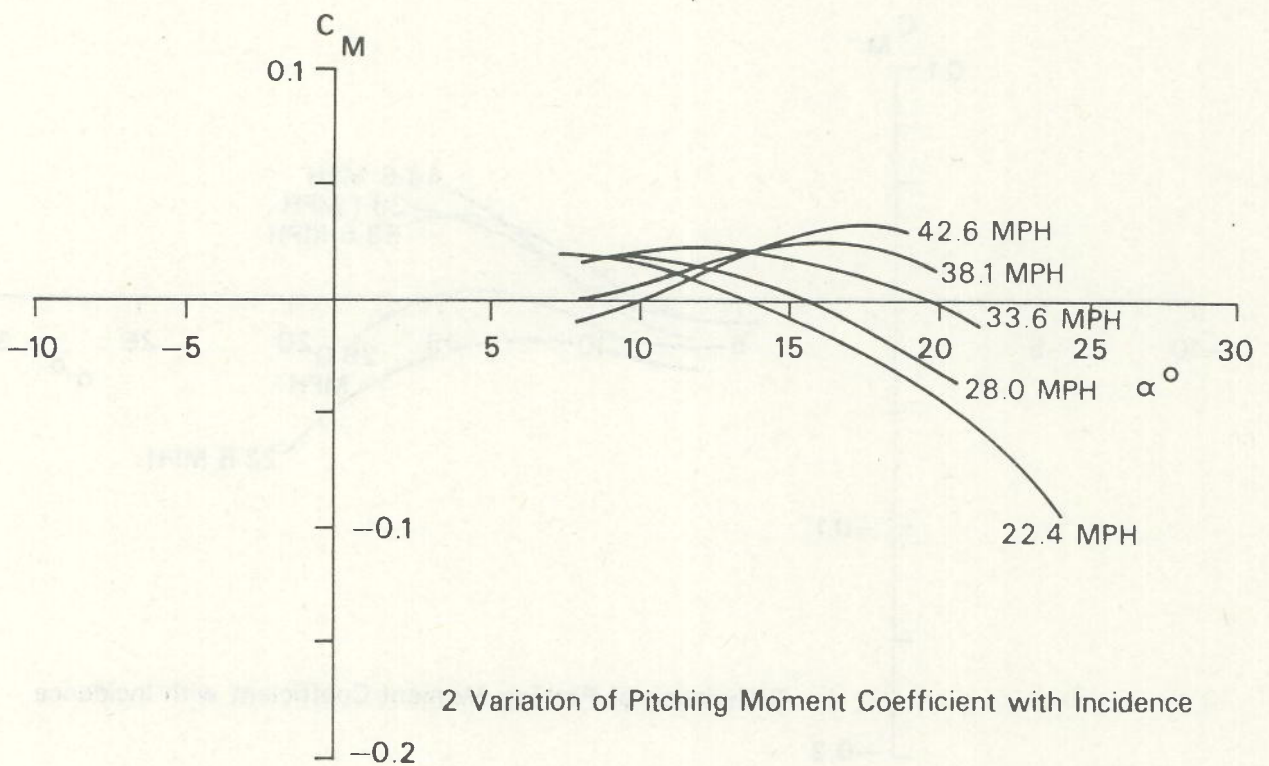
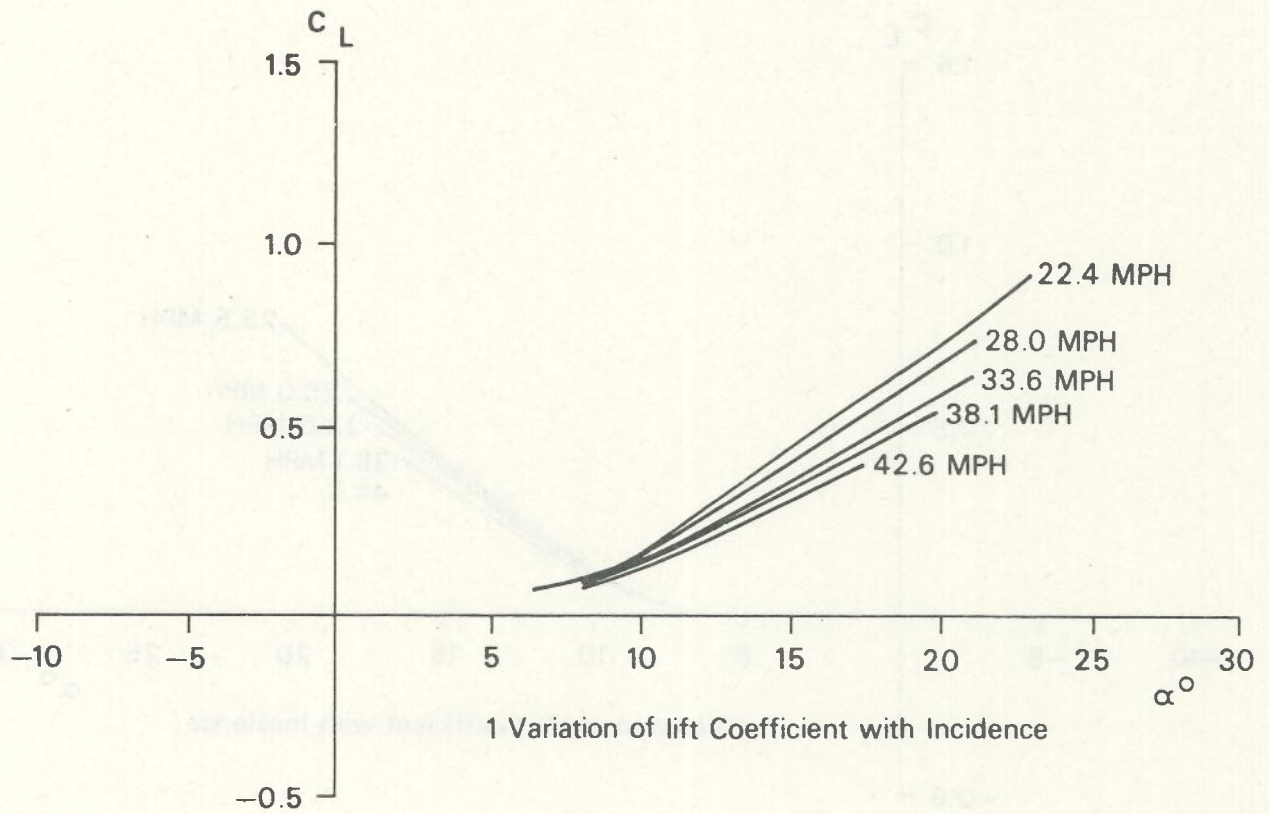




Characteristics of Modified Prototype with Soarmaster attached and running at 1/2 throttle



Characteristics of Modified Prototype with Soarmaster attached and running at ¼ throttle





Characteristics of Modified Prototype with Soarmaster attached and running at full throttle

