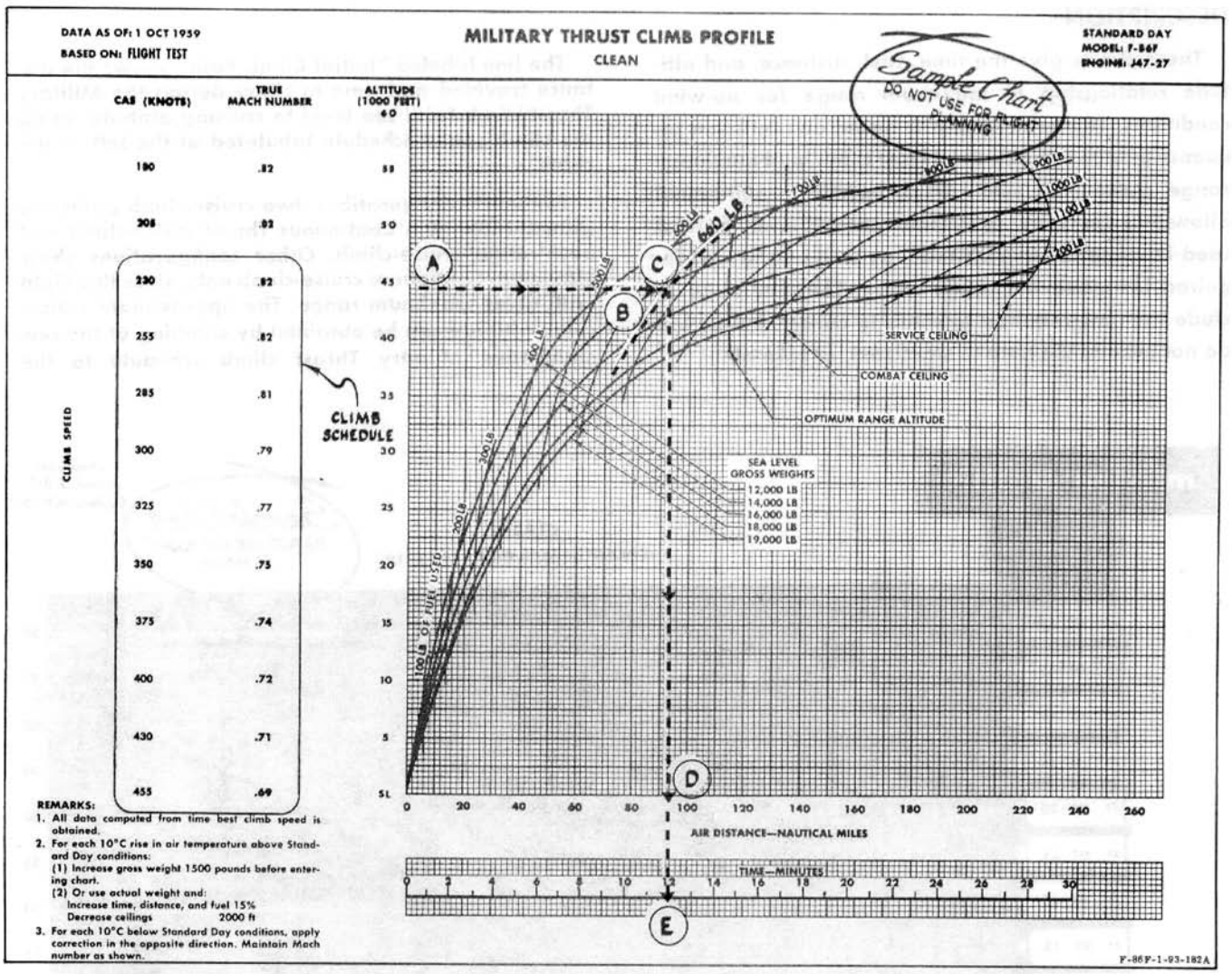
climb profile

DESCRIPTION

The climb profile charts give time required, distance traveled, and fuel used (based on the recommended climb speed schedule) for a Military Thrust climb from sea level for several gross weights. The reduction in weight due to fuel used during climb is taken into account. Approximate climb data for climbs between two specific altitudes may be obtained from these profile charts, but it is recommended that the graphical climb charts be used for such in-flight climb data.



USE

Enter the profile at the altitude at the end of the climb and proceed across to the gross weight at the start of climb (sea level gross weight). At this point, determine the fuel used to climb. Then, proceed straight down from this point to the bottom of the chart, and read distance traveled and time required to climb. The gross weight at the end of climb is the sea level gross weight minus the fuel used during climb.

The example shown is for a Military Thrust climb from sea level to 45,000 feet with a gross weight of 14,000 pounds in the clean configuration.

A is altitude at end of climb	45,000 ft.
B is sea-level gross weight	14,000 lb
C is fuel used to climb	660 lb
D is distance traveled in climb	92 naut mi
E is time required to climb	11.8 min
B minus C is gross weight at end of climb	13,340 lb