

MODEL XF4U-1 AIRPLANE NO. 1443 WEIGHT AND BALANCE DATA

	Normal Loadings					Ballasted Loadings		
	Normal Fighter	Bomber	Overload Fighter	Nose Heavy	Tail Heavy	As Demon- strated 4-22-41	Most Nose Heavy	Most Tail Heavy
Specified load from detail spec. SD-261, paragraph No. -	104a	104b	104c	-	-	-	-	-
Gross weight (lbs.)...	9374	9681	10,192	8180	9237	9699	9955	9987
C.G. % MAC (wheels up) .	26.3	26.6	25.9	23.9	27.2	26.6	25.6	33.7
Fuel-Main tanks-gals. . .	101	101	101	None	101	101	100	100
Fuel-Aux. tanks-gals. . .	74	74	172	None	None	77	134	102
Oil - gals.	12	12	17	12	12	12	12	12
Number of .30 cal. Fixed guns	None	None	None	None	None	None	--	--
Number of .50 cal. Fixed guns	2	2	2	2	2	2	--	--
Rounds of .30 cal. ammunition	None	None	35 lb. ballast	None	None	None	--	--
Rounds of .50 cal. ammunition	400	400	600	None	400	400	--	--
Bomb number		40AA			40AA	40AA	--	--
Bomb weight		208#			208#	208#		
Test equipment lbs. .	221	221	221	221	221	221		

- NOTES:
1. Empty Wgt. (Engine Wet)- 7576# from NASA weighing of 4/21/41.
 2. Specific Wgt. of fuel - 6 lbs./gal.
 3. The loadings shown above are slightly modified from that given in detail Specifications #SD-261. The 221 lbs. of test equipment is approximately compensated for by omitting the .30 cal. Gun installation (125 lbs) plus 52 lbs. of missing equipment.
 4. Wheels down C.G. is approximately 1.3% MAC forward of wheels up C.G.

MODEL XF4U-1 AIRPLANE NO. 1443

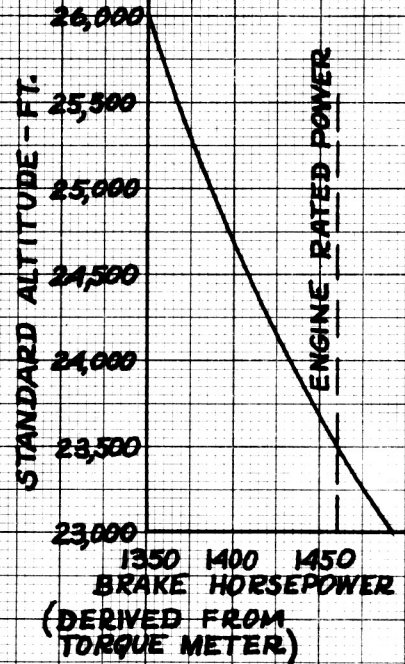
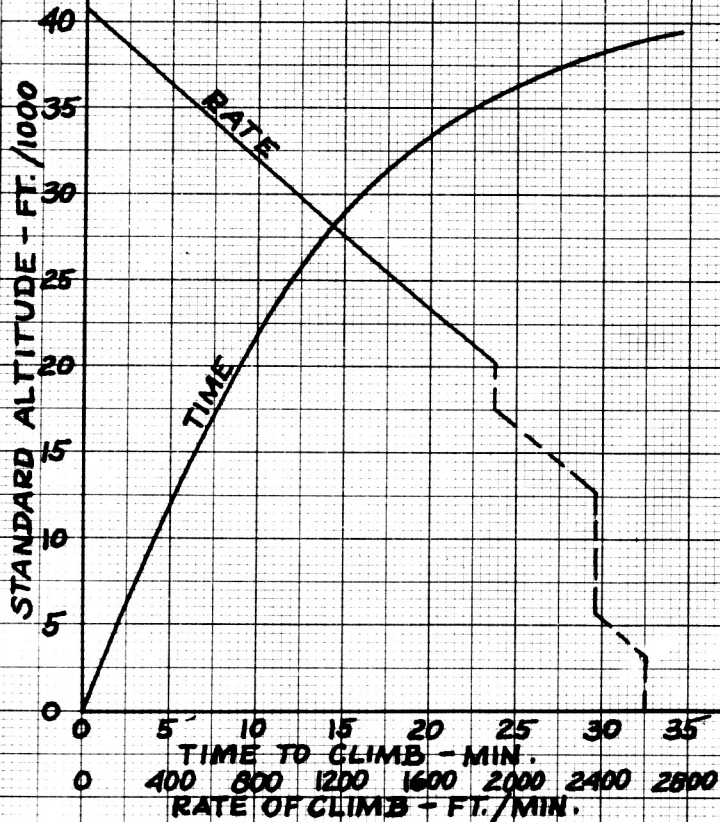
9-9-41

NORMAL FIGHTER GROSS WEIGHT = 9374 LBS.

CLIMB

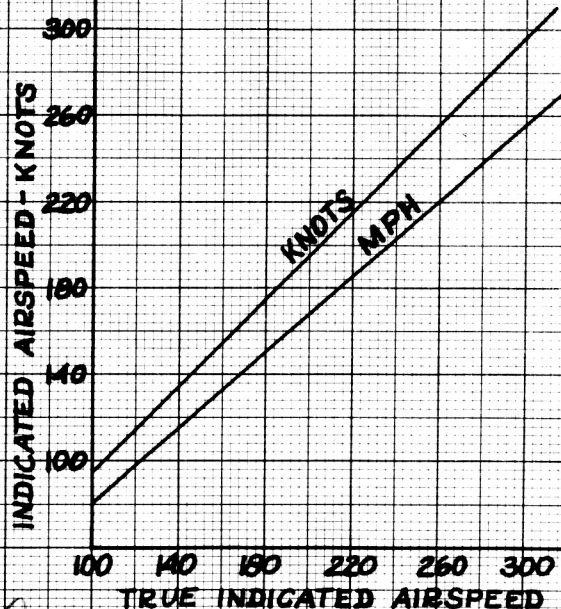
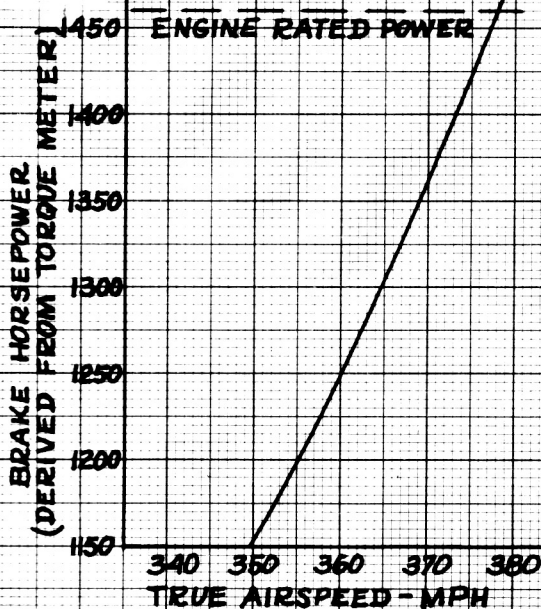
11-58555

AIRPLANE CRITICAL ALTITUDE



MAXIMUM SPEED AT AIRPLANE CRITICAL ALT. - (23,500 FT.)

AIRSPEED INDICATOR CALIBRATION



Ly