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BY T. G. Hilt ON 12/19/96

NAVAIR 00-110AA6-1



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Standard Aircraft Characteristics

NAVY MODEL A-6A AIRCRAFT

(TITLE UNCLASSIFIED)

AZF-1)

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PUBLISHED BY DIRECTION OF THE
COMMANDER OF THE NAVAL AIR SYSTEMS COMMAND

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1 JULY 1967

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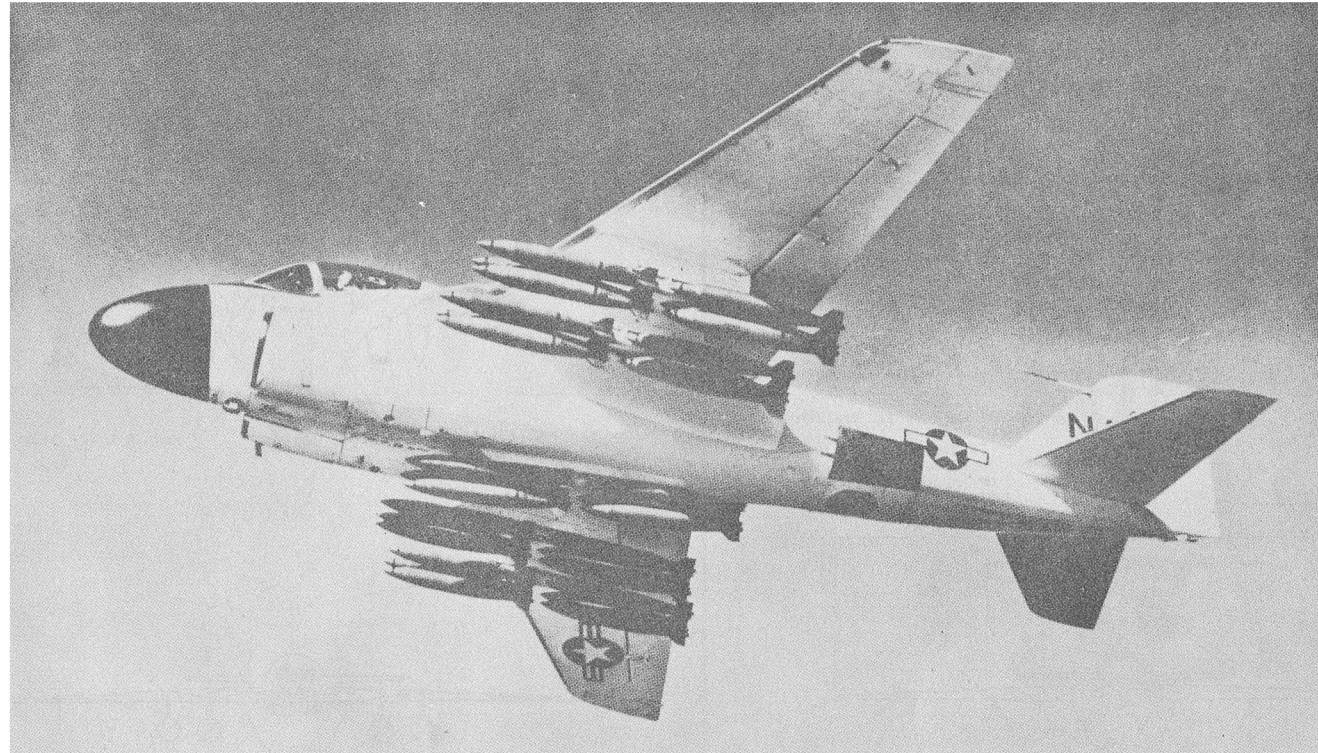
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SERVICE



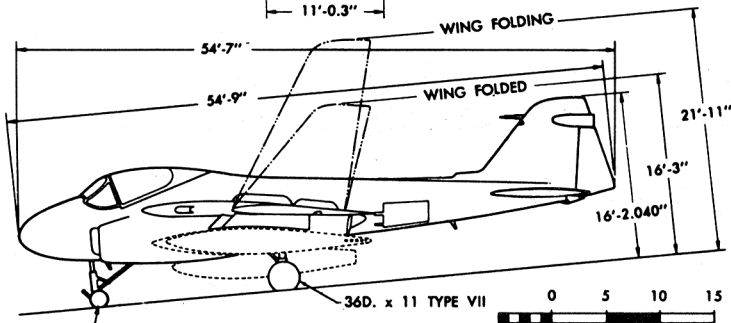
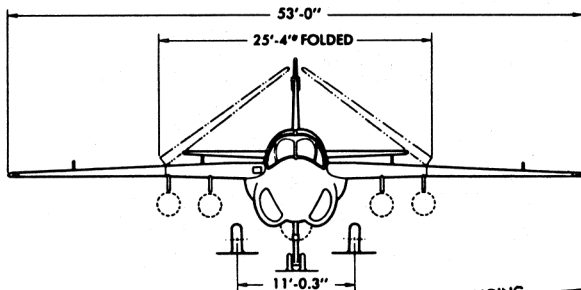
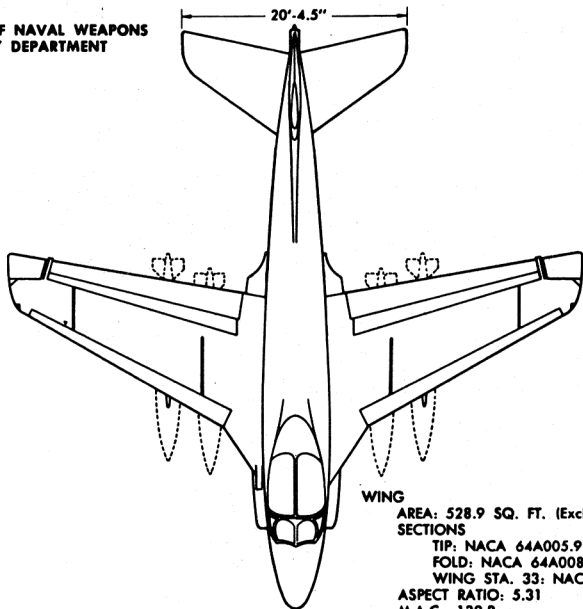
STANDARD AIRCRAFT CHARACTERISTICS

A-6A INTRUDER

GRUMMAN

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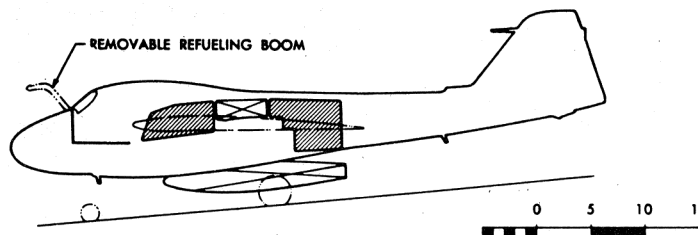
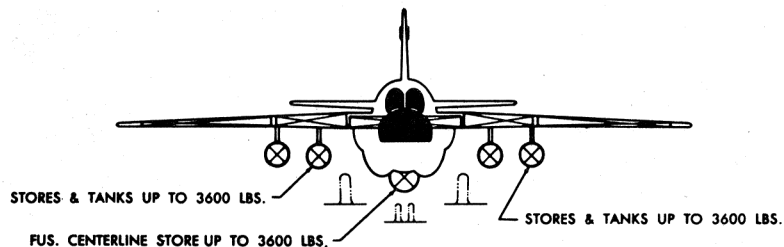
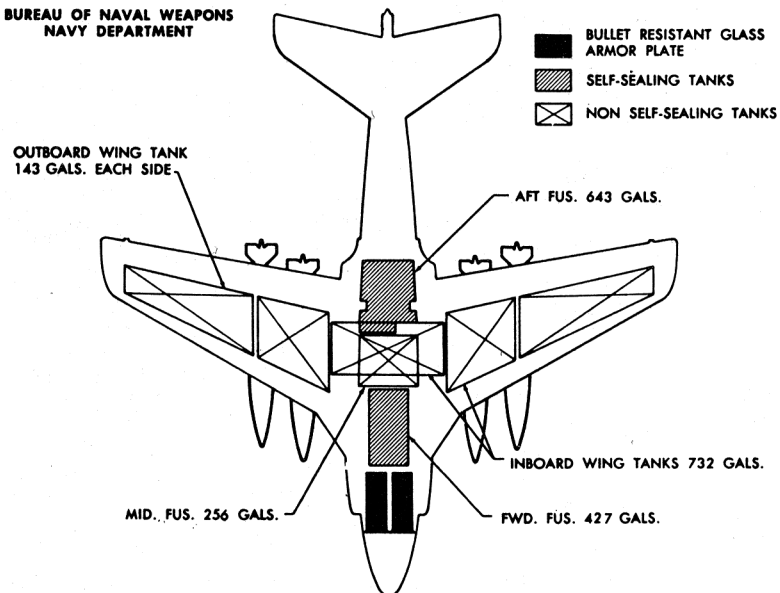
BUREAU OF NAVAL WEAPONS
NAVY DEPARTMENT



20D. x 5.5 TYPE VII

DESCRIPTIVE ARRANGEMENT
A-6A

BUREAU OF NAVAL WEAPONS
NAVY DEPARTMENT



ARMAMENT AND TANKAGE
A-6A

2

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NAVAIR 00-110AA6-1

SERVICE

POWER PLANT	MISSION AND DESCRIPTION	WEIGHTS																																													
<p>No. & Model _____ (2) J52-P-6A Manufacturer _____ Pratt & Whitney Type _____ Twin Spool Axial Flow Length _____ 117 in. Diameter _____ 31 in. Augmentation _____ none</p> <p style="text-align: center;">RATINGS</p> <table border="1"> <thead> <tr> <th></th> <th><u>LBS.</u></th> <th><u>@ RPM</u></th> </tr> </thead> <tbody> <tr> <td>Maximum</td> <td>8500</td> <td>11,650</td> </tr> <tr> <td>Take-Off & Military</td> <td>8500</td> <td>11,650</td> </tr> <tr> <td>Normal</td> <td>7500</td> <td>11,400</td> </tr> </tbody> </table> <p style="text-align: center;">Sea Level Static</p> <p>Spec. No. _____ N-1731A</p>		<u>LBS.</u>	<u>@ RPM</u>	Maximum	8500	11,650	Take-Off & Military	8500	11,650	Normal	7500	11,400	<p>The A-6A is a medium size, all weather low altitude two-place attack aircraft capable of high subsonic performance and broad mission versatility including tanker capability.</p> <p>At light gross weights it can operate from short unprepared fields, in close support of ground troops, while at higher gross weights, it can operate from C11-1 catapults on long range special weapon strikes against heavily defended fixed targets.</p> <p>An integrated attack-navigation and central digital computer system is provided to find, track and destroy small moving targets and large fixed targets in all weather conditions. Pilot displays provide contact analogue, terrain clearance, attack and horizontal situation information in integrated form. Five store stations are provided, inboard of the wing fold joint.</p> <p>Irreversible hydraulic flight controls are provided. Longitudinal control is effected by an all movable stabilizer. Lateral control is provided by flaperons while a conventional rudder is used for directional control.</p> <p>High lift devices are slotted flaps, and leading edge slats. Anti-skid brakes on main wheels are provided. Nose wheel tow catapulting is used. Speed brakes are located aft on each side of the fuselage and on the aft portion of each wing tip. Side by side ground level ejection seats are provided for the pilot and radar operator.</p> <p>Power wing folding is provided. The engines may be removed and serviced by removal of fuselage fairing panels.</p>	<table border="1"> <thead> <tr> <th><u>LOADINGS</u></th> <th><u>LBS.</u></th> <th><u>L. F.</u></th> </tr> </thead> <tbody> <tr> <td>Empty</td> <td>25,298</td> <td></td> </tr> <tr> <td>Basic</td> <td>25,857</td> <td></td> </tr> <tr> <td>Design</td> <td>36,526</td> <td>6.5/5.8*</td> </tr> <tr> <td>Combat</td> <td>44,791</td> <td></td> </tr> <tr> <td>Max. Take-Off</td> <td></td> <td></td> </tr> <tr> <td> Field</td> <td>60,626</td> <td></td> </tr> <tr> <td> Catapult</td> <td>58,600</td> <td></td> </tr> <tr> <td>Max. Landing</td> <td></td> <td></td> </tr> <tr> <td> Field</td> <td>33,637</td> <td></td> </tr> <tr> <td> Arrested</td> <td>33,637</td> <td></td> </tr> </tbody> </table> <p>All weights are based on no. 88 A-6A aircraft. (A-6A Weight & Balance Report No. 4151T) * Tip Brakes extended.</p>	<u>LOADINGS</u>	<u>LBS.</u>	<u>L. F.</u>	Empty	25,298		Basic	25,857		Design	36,526	6.5/5.8*	Combat	44,791		Max. Take-Off			Field	60,626		Catapult	58,600		Max. Landing			Field	33,637		Arrested	33,637	
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<p>ATTACK-NAVIGATION-INSTRUMENTS</p> <p>MA-1 Compass System _____ Air Data Computer _____ CP729/A Digital Computer (Diane) _____ AN/ASQ-61 Search Radar _____ AN/APQ-92 Track Radar _____ AN/APQ-112 Doppler Radar _____ AN/APN-153 Inertial Platform _____ AN/ASN-31 Radar Altimeter _____ AN/APN-141 Bullpup Transmitter _____ AN/ARW-73 All-Weather Bullpup _____ AN/ASW-22 Integrated Display Subsystem _____ AFCS _____ AN/ASW-16 Radar Recorder _____ AN/ASH-18</p> <p>COMMUNICATIONS</p> <p>CNI Package _____ AN/ASQ-57 UHF ADF _____ AN/ARA-50 UHF Rec. Transmitter _____ AN/ARC-52 UHF Stand-by Rec. _____ AN/ARR-40 IFF _____ AN/APX-6B IFF Coder _____ AN/APA-89(SIF) TACAN _____ AN/ARN-21A ICS _____ AN/AIC-14 Data Link _____ AN/ARW-67</p>	DEVELOPMENT	<table border="1"> <thead> <tr> <th><u>No. TANKS</u></th> <th><u>GALS.</u></th> <th><u>LBS.</u></th> <th><u>LOCATION</u></th> </tr> </thead> <tbody> <tr> <td>3</td> <td>1326</td> <td>9016</td> <td>Fuselage</td> </tr> <tr> <td>5</td> <td>1018</td> <td>6923</td> <td>Wings</td> </tr> <tr> <td>5 (300 gal.)</td> <td>1477</td> <td>10,045</td> <td>Drop Tanks</td> </tr> </tbody> </table> <p>Fuel Grade _____ JP-5 Fuel Spec. (appl.) _____ Mil-F-5624C-1</p> <p style="text-align: center;">OIL</p> <p>Capacity (gals.) _____ 5 per Engine Spec. (appl.) _____ Mil-L-23699</p>	<u>No. TANKS</u>	<u>GALS.</u>	<u>LBS.</u>	<u>LOCATION</u>	3	1326	9016	Fuselage	5	1018	6923	Wings	5 (300 gal.)	1477	10,045	Drop Tanks																													
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<p>COUNTER MEASURES</p> <p>Repeater Jammer _____ AN/ALQ-41 Repeater Jammer _____ (2) AN/ALQ-51 Chaff Dispenser _____ AN/ALE-18 Warning Receiver _____ AN/ALR-15</p>	DIMENSIONS	ORDNANCE																																													
		<p>Maximum Bomb Capacity: 18,000 lbs.</p> <p>Bombs: MK 81, MK 82, MK 83, MK 84, Fire Bombs MK 79 Mod-1, MK 77 Mod-1, 260 lb. Fragmentation, MK 81 Snakeye I.</p> <p>Special Weapons: MK 28 Ex Mod-1, MK 57, MK 43</p> <p>Rocket Package: LAU-32A/A, LAU-3A/A, LAU-10A/A.</p> <p>Missiles: AGM-12B, AGM-12C (Bullpup A&B), AGM-45A (Shrike), AIM-9D (Sidewinder).</p> <p>In addition the following may be carried: CBU-2A/A Aircraft Dispenser & Bomblets, A/A-37B-1 Multiple Bomb Rack, Aero 5A-1 Launcher, Aero 8A Practice Bomb Container with MK 76 Practice Bombs, A/A-37B-3 Practice Multiple Bomb Rack with MK 106 Mod-3 or MK 76 Mod-5 Practice Bombs, MK 6 Mod-6 Flare, MK 24 Mod-2A Flare.</p>																																													

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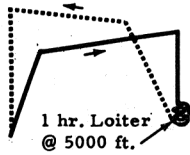
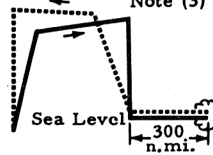
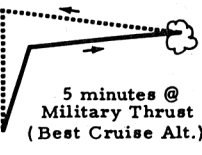
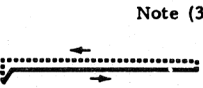

PERFORMANCE SUMMARY

TAKE-OFF LOADING CONDITION	①	HI-LO-LO-HI (1) MK 28 (4) 300 Gal. Tank	③	CLOSE SUPPORT (4) Bullpup "B" (1) 300 Gal. Tank	⑤	CLOSE SUPPORT (30) MK 81 Snakeye I (5) A/A37B-1 MBR	⑦	HI-HI-HI (1) MK 43 (4) 300 Gal. Tank	⑨	CLOSE SUPPORT (5) MK 83
TAKE-OFF WEIGHT lb.		53,659		52,236		52,376		53,699		48,051
Fuel Internal/external (JP-5) lb./lb.		15,939/8036		15,939/2009		15,939/0		15,939/8036		15,939/0
Payload lb.		2040		7268		8850		2080		5300
Wing loading lb./sq. ft.		101.5		98.8		99.0		101.5		90.9
Stall speed—power-off kn.		116.0		114.5		114.6		116.1		109.8
Take-off run at S.L.— calm ft.		4150		3840		3860		4151		3020
Take-off run at S.L.— 25 kn. wind ft.		3050		2810		2830		3055		2180
Take-off to clear 50 ft.— calm ft.		4800		4510		4545		4815		3700
Max. speed/altitude (A) kn./ft.		530/SL		532/SL		499/5000		530/SL		554/SL
Rate of climb at S.L. (A) fpm.		5450		5640		4700		5450		6800
Time: S.L. to 20,000 ft. (A) min.		5.1		5.1		6.4		5.2		3.7
Time: S.L. to 30,000 ft. (A) min.		9.6		9.6		13.5		9.7		7.0
Service ceiling (100 fpm) (A) ft.		36,500		37,000		31,700		36,500		40,000
Combat range (B) n.mi.		2638		1610		1077		2623		1648
Average cruising speed cr. distance/cr. time kn.		417		413		402		417		417
Cruising altitude(s) ft.		32,700 - 43,800		33,300 - 39,900		32,500 - 37,500		32,500 - 43,700		35,400 - 41,500
Combat radius/mission time (B) n.mi./hr.		864/4.82		625/8.01		383/2.90		1377/6.68		585/3.80
Average cruising speed kn.		353		417		410		418		418
A-6A Buddy Tanker	Receiver radius/mission time n.mi./hr.	1385/7.50		1144/6.82		879/5.80		1829/9.09		1118/6.59
	Refueling distance/fuel transferred n. mi./lb.	638/9766		690/9710		636/10,543		688/9766		755/8712
KC-130F Tanker	Receiver radius/mission time n.mi./hr.	1554/8.53		1394/8.24		949/6.14		2163/11.00		1242/7.40
	Refueling distance/fuel transferred n. mi./lb.	968/13,151		1120/14,094		750/12,485		1339/16,369		980/10,987
COMBAT LOADING CONDITION	②	TANKS OFF STORES RETAINED	④	MISSILES RETAINED	⑥	STORES RETAINED	⑧	TANKS OFF STORES RETAINED	⑩	STORES RETAINED
COMBAT WEIGHT lb.		44,791		44,849		46,000		44,831		41,675
Engine power		MILITARY		MILITARY		MILITARY		MILITARY		MILITARY
Fuel lb.		15,939		10,769		9563		15,939		9563
Combat speed/combat altitude kn./ft.		561/SL		533/5000		500/5000		482/35,900		550/5000
Rate of climb/combat altitude fpm/ft.		7650/SL		6000/5000		4850/5000		1440/35,900		7300/5000
Combat ceiling (500 fpm) ft.		40,300		39,000		35,000		40,250		41,300
Rate of climb at S.L. fpm.		7600		6800		5550		7590		8100
Max. speed at S.L. kn.		561		536		499		561		554
Max. speed/altitude kn./ft.		561/SL		536/SL		500/5000		561/SL		554/SL
LANDING WEIGHT (stores off) lb.		28,599		28,599		29,429		28,599		28,599
Fuel lb.		1787		1787		1842		1787		1787
Stall speed—power-off/approach power kn./kn.		84.5/80.8		84.5/80.8		85.7/81.9		84.5/80.8		84.5/80.8
Landing distance—ground roll/over 50 ft. obst. ft./ft.		1460/2058		1460/2058		1500/2100		1460/2058		1460/2058

NOTES (A) MILITARY RATED THRUST
 (B) LOADING WITH INTERNAL FUEL ARE BASED ON RESERVE USING 5% OF INITIAL FUEL PLUS 20 MINUTES MAXIMUM ENDURANCE AT SEA LEVEL. MISSIONS USING RESERVE FUELS BASED ON 5% OF INITIAL INTERNAL FUELL WILL INCREASE TO:
 COMBAT RADIUS: ① 893 N.M.I. ② 632 N.M.I. ⑦ 1412 N.M.I.
 MISSION TIME: ① 4.85 HR. ② 4.84 HR. ⑦ 6.85 HR.
 COMBAT RANGE: ① 2714 N.M.I. ② 1625 N.M.I. ⑦ 2694 N.M.I.
 (C) RESERVES BASED ON 5% INITIAL INTERNAL FUEL PLUS FUEL FOR 20 MIN OF ENDURANCE AT SEA LEVEL.
 PERFORMANCE BASIS: FLIGHT TEST
 SPOTTING: A TOTAL OF 63 AIRPLANES CAN BE ACCOMMODATED IN THE PARKING AREA ON THE FLIGHT AND HANGAR DECKS OF A CVA-19 CLASS ANGLED DECK CARRIER.

SERVICE NAVAIR 00-110AA6-1

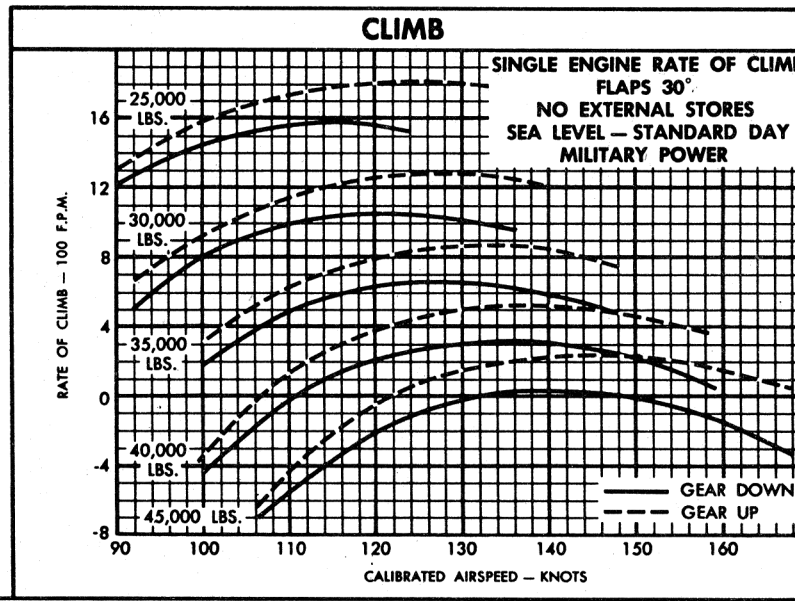
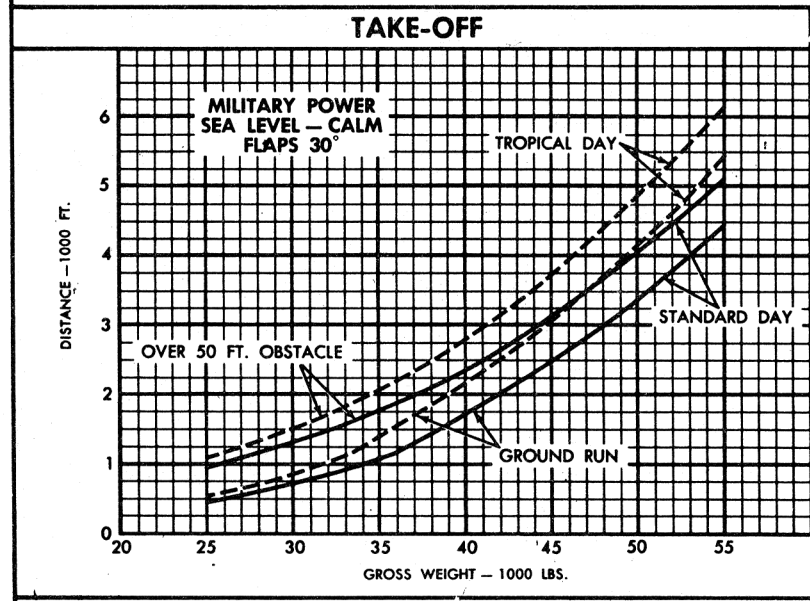
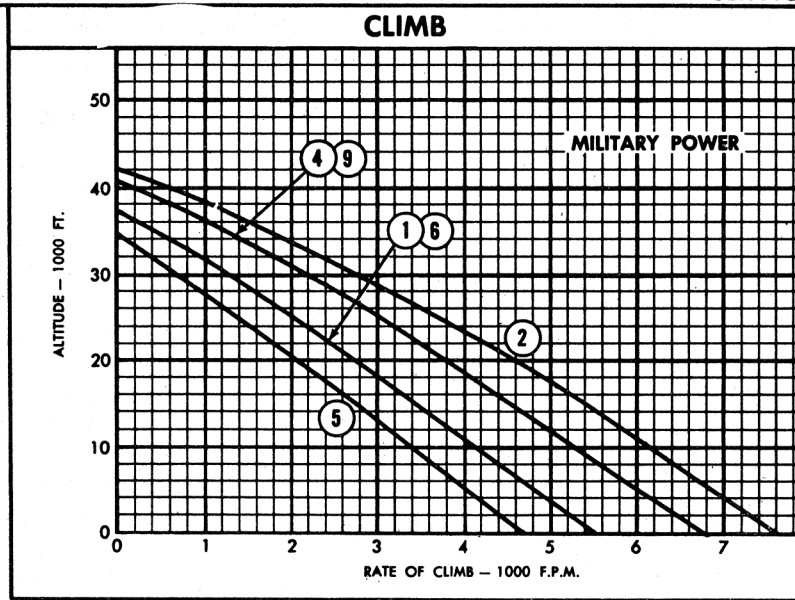
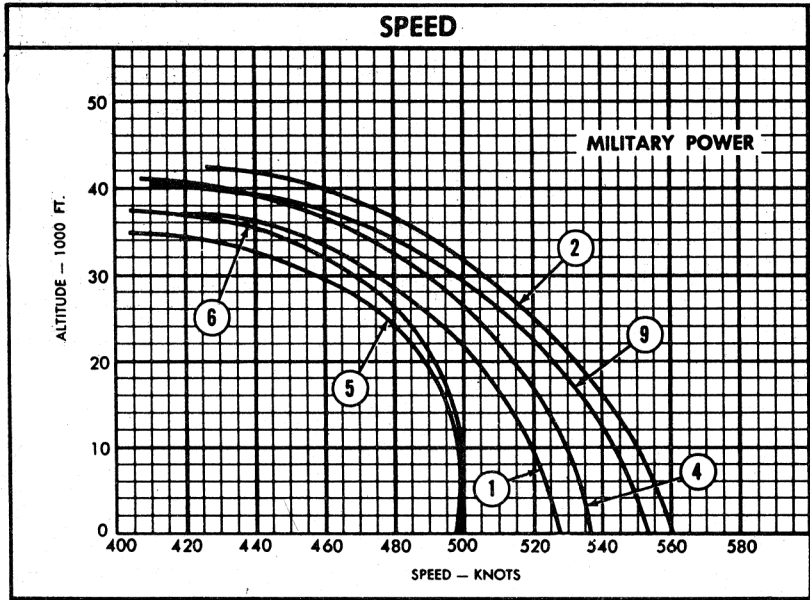
MISSION SUMMARY — ALTERNATE LOADINGS

		CLOSE SUPPORT		HI-LO-LO-HI		HI-HI-HI		LO-LO-LO		FERRY RANGE	
											
EXTERNAL STORE LOADING	T.O.B.W.	COMBAT RADIUS n. mi.	MISSION TIME hr.	COMBAT RADIUS n. mi.	MISSION TIME hr.	COMBAT RADIUS n. mi.	MISSION TIME hr.	COMBAT RADIUS n. mi.	MISSION TIME hr.	RANGE n. mi.	MISSION TIME hr.
⑪ (5) 300 Gal. Drop Tanks	53, 836	-	-	-	-	-	-	-	-	2737 * 2657	6.63 * 6.41
① (1) MK 28 (4) 300 Gal. Drop Tanks	53, 659	1102 * 1067	6.27 * 6.11	893 * 864	4.96 * 4.82	1380 * 1341	6.61 * 6.42	609 * 596	4.45 * 4.36	-	-
③ (4) Bullpup "B" (1) 300 Gal. Drop Tank	52, 236	632 * 625	4.04 * 4.01	457 * 450	3.22 * 3.18	-	-	414 * 411	2.90 * 2.88	-	-
⑤ (30) MK 81 Snakeye I (5) A/A37B-1 MBR	52, 376	383	2.90	-	-	-	-	329	2.44	-	-
⑫ (18) MK 82 Snakeye I (3) A/A37B-1 MBR (2) 300 Gal. Drop Tanks	57, 910	563 * 552	3.77 * 3.71	452 * 441	2.95 * 2.90	-	-	427 * 422	3.14 * 3.09	-	-
⑬ (4) LAU-3A/A Rocket Packs (1) 300 Gal. Drop Tank	46, 676	761 * 752	4.65 * 4.60	521 * 513	3.54 * 3.50	-	-	441 * 438	3.23 * 3.21	-	-
⑭ (5) MK 84	52, 751	512	3.45	-	-	803	3.93	366	2.62	-	-
⑮ (3) MK 84 (2) 300 Gal. Drop Tanks	53, 185	815 * 797	4.89 * 4.81	622 * 605	3.96 * 3.88	1100 * 1082	5.26 * 5.18	489 * 483	3.51 * 3.46	-	-
⑯ (18) MK 82 (3) A/A37B-1 MBR (2) 300 Gal. Drop Tanks	57, 730	606 * 591	3.95 * 3.87	479 * 467	3.08 * 3.03	-	-	437 * 432	3.19 * 3.15	-	-

NOTES

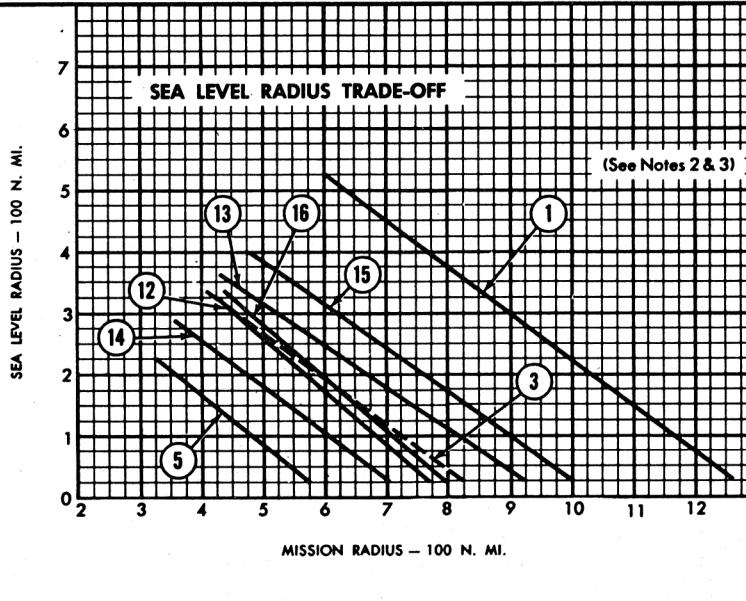
- * (1) Mission performance reflects the effects of mission reserves computed with 5% of INTERNAL fuel in lieu of 5% of TOTAL TAKE OFF FUEL. Reserve fuels also include fuel for 20 minutes maximum endurance at sea level.
- (2) Mission trade-off curves based on missions calculated using 5% of initial internal fuel.
- (3) All missions include a 3 minute run-in and 2 minute run-out at Military Power @ Sea Level.

5

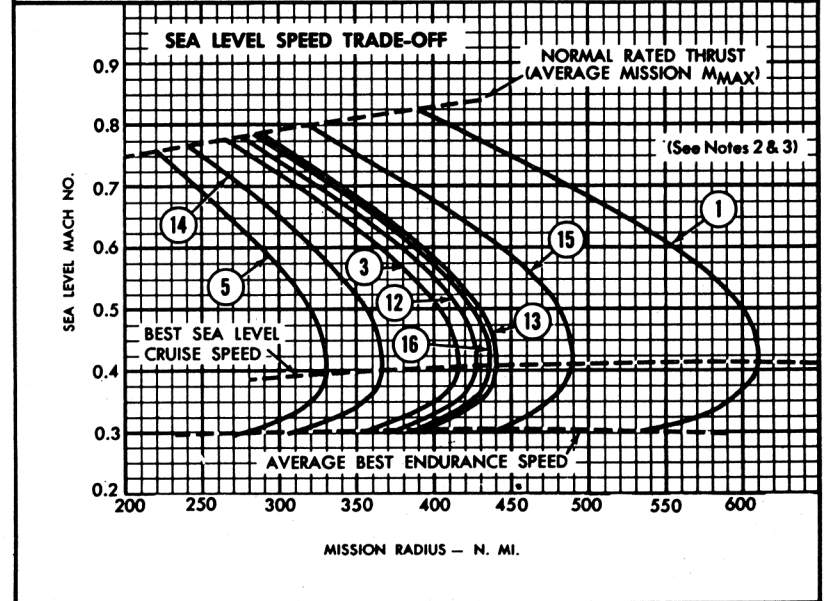


○ LOADING CONDITION COLUMN NUMBER

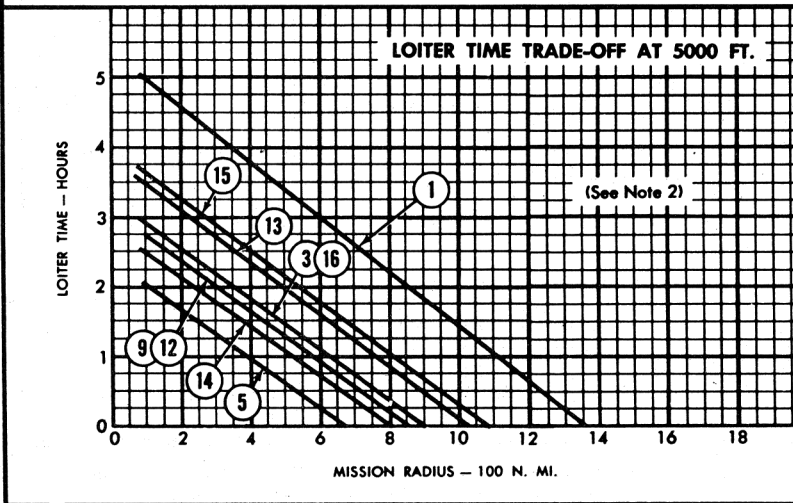
HI-LO-LO-HI



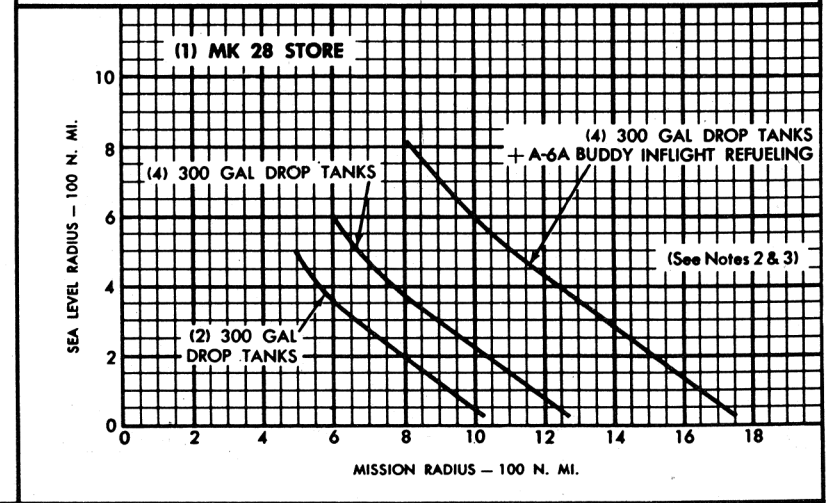
LO-LO-LO



CLOSE SUPPORT

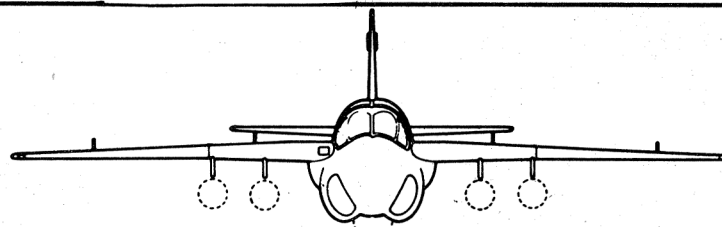


HI-LO-LO-HI



○ LOADING CONDITION COLUMN NUMBER

SERVICE



	Outboard	Inboard	Centerline	Inboard	Outboard
BOMBS	1) 250 lb (GP or LD) 1) 500 lb (GP or LD) 1) 1000 lb (GP or LD) 1) 2000 lb (GP or LD) 1) 260 lb Fragmentary	1) 250 lb (GP or LD) 1) 500 lb (GP or LD) 1) 1000 lb (GP or LD) 1) 2000 lb (GP or LD) 1) 260 lb Fragmentary	1) 250 lb (GP or LD) 1) 500 lb (GP or LD) 1) 1000 lb (GP or LD) 1) 2000 lb (GP or LD) 1) 260 lb Fragmentary	1) 250 lb (GP or LD) 1) 500 lb (GP or LD) 1) 1000 lb (GP or LD) 1) 2000 lb (GP or LD) 1) 260 lb Fragmentary	1) 250 lb (GP or LD) 1) 500 lb (GP or LD) 1) 1000 lb (GP or LD) 1) 2000 lb (GP or LD) 1) 260 lb Fragmentary
MISSILES OR ROCKETS	1) BULLPUP "A" 1) BULLPUP "B" 1) Sidewinder 1A/1C 1) LAU-10/A 1) Aero 7D or LAU-3A/A 1) Aero 6A or LAU-32A/A 1) Shrike (A)	1) BULLPUP "A" 1) BULLPUP "B" 1) Sidewinder 1A/1C 1) LAU-10/A 1) Aero 7D or LAU-3A/A 1) Aero 6A or LAU-32A/A 1) Shrike (A)	- - - - - -	1) BULLPUP "A" 1) BULLPUP "B" 1) Sidewinder 1A/1C 1) LAU-10/A 1) Aero 7D or LAU-3A/A 1) Aero 6A or LAU-32A/A 1) Shrike (A)	1) BULLPUP "A" 1) BULLPUP "B" 1) Sidewinder 1A/1C 1) LAU-10/A 1) Aero 7D or LAU-3A/A 1) Aero 6A or LAU-32A/A 1) Shrike (A)
FUEL TANKS	1) 300 Gal -	1) 300 Gal -	1) 300 Gal 1) D704 AR Tank	1) 300 Gal -	1) 300 Gal -
INCENDIARY BOMBS	1) MK 77 Mod-1 (Fire) 1) MK 79 Mod-1 (Fire)	1) MK 77 Mod-1 (Fire) 1) MK 79 Mod-1 (Fire)	1) MK 77 Mod-1 (Fire) 1) MK 79 Mod-1 (Fire)	1) MK 77 Mod-1 (Fire) 1) MK 79 Mod-1 (Fire)	1) MK 77 Mod-1 (Fire) 1) MK 79 Mod-1 (Fire)
SPECIAL WEAPONS	- - -	1) MK 28/MK-104 1) MK 43 1) MK 57/BDU-11E	1) MK 28/MK 104 1) MK 43 1) MK 57/BDU-11E	1) MK 28/MK 104 1) MK 43 1) MK 57/BDU-11E	- - -
PRACTICE BOMBS	- -	4) MK 76 Mod-5 (Aero 8A) 6) MK 106 Mod-3	4) MK 76 Mod-5 (Aero 8A) 6) MK 106 Mod-3	4) MK 76 Mod-5 (Aero 8A) 6) MK 106 Mod-3	- -
BOMBS - MULTIPLE LOADS	6) 220/260 lb Fragmentary 6) 250 lb (GP or LD) 6) 500 lb (LD) 6) 250 lb Snakeye I	6) 220/260 lb Fragmentary 6) 250 lb (GP or LD) 6) 500 lb (LD) 6) 250 lb Snakeye I	6) 220/260 lb Fragmentary 6) 250 lb (GP or LD) 6) 500 lb (LD) 6) 250 lb Snakeye I	6) 220/260 lb Fragmentary 6) 250 lb (GP or LD) 6) 500 lb (LD) 6) 250 lb Snakeye I	6) 220/260 lb Fragmentary 6) 250 lb (GP or LD) 6) 500 lb (LD) 6) 250 lb Snakeye I
PYROTECHNICS	6) MK 6 Mod-6 Flare -	6) MK 6 Mod-6 Flare 6) MK 24 Mod-2A Flare	6) MK 6 Mod-6 Flare (B) 6) MK 24 Mod-2A Flare (B)	6) MK 6 Mod-6 Flare 6) MK 24 Mod-2A Flare	6) MK 6 Mod-6 Flare -
RACKS	- 1) A/A 37B-1 MBR 1) Aero 5A-1 Launcher	1) A/A 37B-3 PMBR 1) A/A 37B-1 MBR 1) Aero 5A-1 Launcher	1) A/A 37B-3 PMBR 1) A/A 37B-1 MBR -	1) A/A 37B-3 PMBR 1) A/A 37B-1 MBR 1) Aero 5A-1 Launcher	- 1) A/A 37B-1 MBR 1) Aero 5A-1 Launcher

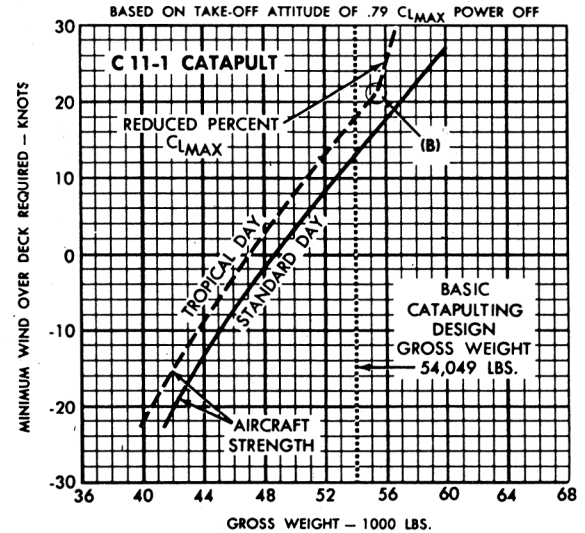
NOTES

(A) Installed on Aero 5A-1 Launcher only.

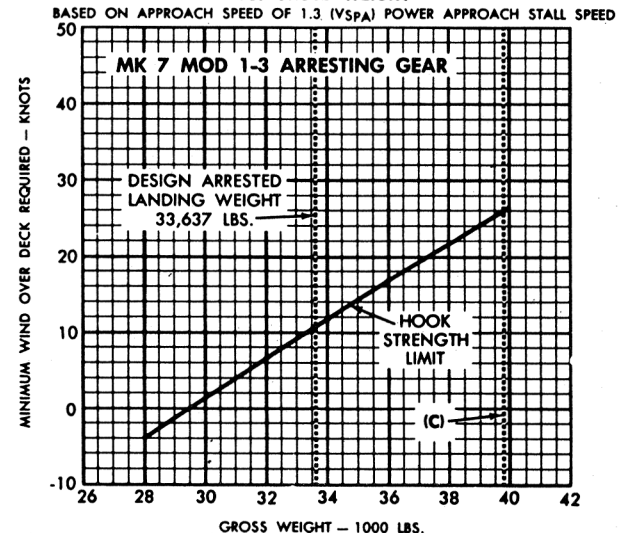
(B) Can only be carried on centerline station when landbased.

(C) Present CBU 2A/A configuration requires that (2) MK 82 GP bombs be used as counterbalance on forward station of the MER at all wing stations. Planned flight tests will establish feasibility of eliminating counterbalance in order to increase the total number of CBU 2A/A per aircraft station.

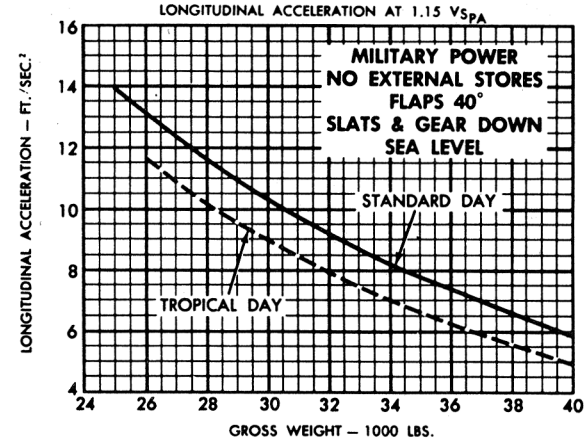
MINIMUM WIND OVER DECK REQUIRED FOR CATAPULTING VS. GROSS WEIGHT



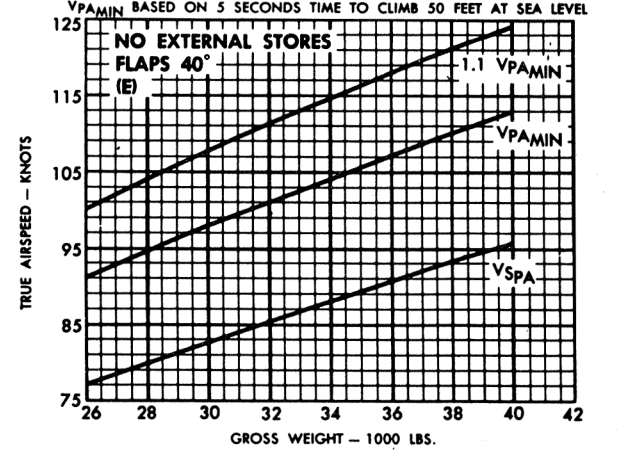
MINIMUM WIND OVER DECK REQUIRED FOR ARRESTING VS. GROSS WEIGHT



WAVE-OFF ACCELERATION



MINIMUM CARRIER APPROACH SPEEDS



NOTES

- (A) These curves should be used for planning purposes only. Actual catapult and arresting gear operation should be in accordance with applicable Aircraft Technical Orders, and Catapult and Arresting Gear Bulletins.
- (B) Maximum weight for tropical day longitudinal acceleration of 2.1 ft./sec.² for C11-1 catapult at take-off.
- (C) Maximum weight, 39,800 lbs., for tropical day longitudinal acceleration of 5.0 ft./sec.² at 1.15 V_{SPA} (speed brakes retracted).
- (D) Flap deflection, for catapulting $\delta_F = 30^\circ$, for landing $\delta_F = 40^\circ$.
- (E) Approach speeds with 30° flaps plus wing tip speed brakes are approximately 3-5 knots higher than 40° flap configuration shown.

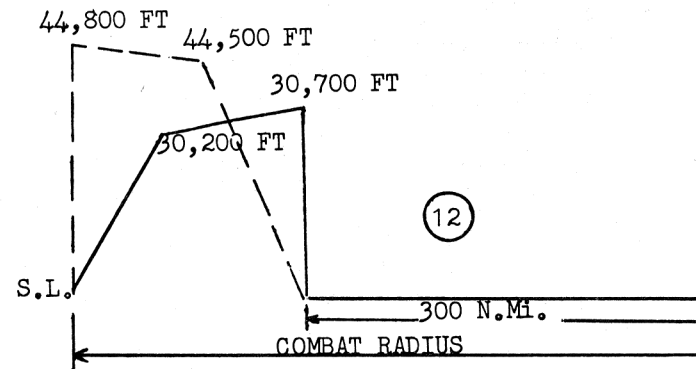
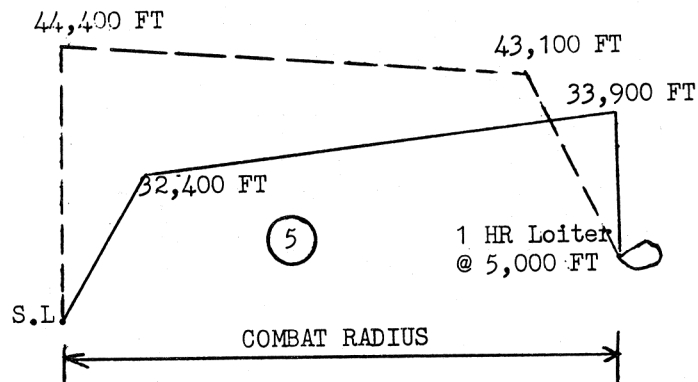
NOTES

CLOSE SUPPORT MISSION

Warm-up, Taxi & Take-Off: 5 Min. N.R.P. @ S.L.
 Climb: On course to optimum cruise altitude with Military Power
 Cruise-Out: At maximum range speed and optimum cruise altitude.
 Descend: To 5000 Ft. (No fuel used, no distance gained).
 Loiter: 1 Hour @ 5000 Ft and @ Max. endurance speed (No distance gained). Stores dropped at end of loiter.
 Climb: On course to optimum cruise altitude with Military Power
 Cruise-Back: At maximum range speed and optimum cruise altitude.
 Reserve: 5% of initial fuel plus fuel for 20 min. @ max. endurance speed at sea level (all engines operating).

HI-LO-LO-HI MISSION

Warm-up, Taxi & Take-Off: 5 min N.R.P @ S.L.
 Climb: On course to optimum cruise altitude with Military Power
 Cruise-Out: At maximum range speed and optimum cruise altitude (drop tanks when empty).
 Descend: To S.L. (no fuel used, no distance gained)
 Cruise-Out: At S.L. @ speed for maximum specific range.
 Run-Out: At S.L. @ Mil Power for 3 Minutes. Stores dropped at end of run-out.
 Run-Back: At S.L. @ Mil Power for 2 Minutes.
 Cruise-Back: At S.L. @ Speed for maximum specific range.
 Climb: On course to optimum cruise altitude with Military Power.
 Cruise-Back: At maximum range speed and optimum cruise altitude.
 Reserve: 5% of initial fuel plus fuel for 20 Min. @ Max endurance speed at sea level (all engines operative).



○ LOADING CONDITION COLUMN NUMBER

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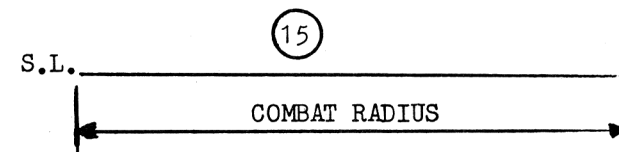
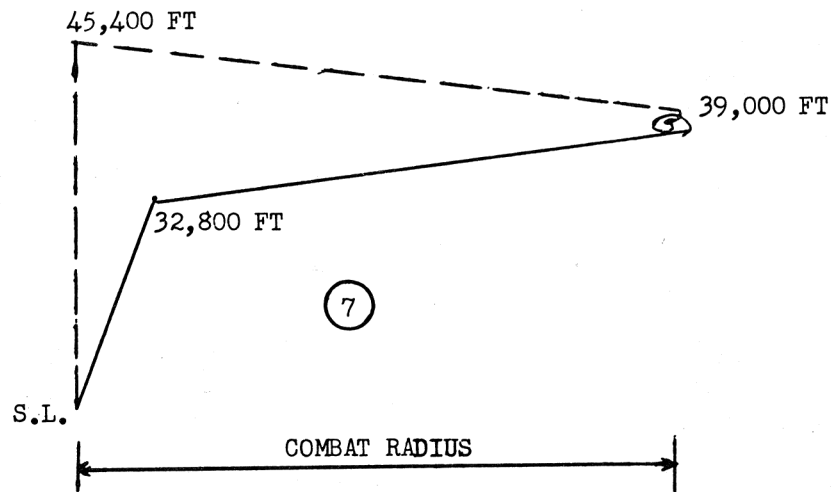
NOTES

HI-HI-HI MISSION

Warm-up, Taxi & Take-Off: 5 Min N.R.P. @ S.L.
Climb: On course to optimum cruise altitude with Military Power.
Cruise-Out: At maximum range speed and optimum cruise altitude (drop tanks when empty).
Combat: At best cruise altitude for 5 Minutes with Mil. Power.
Cruise-Back: At maximum range speed and optimum cruise altitude.
Reserve: 5% of initial fuel plus fuel for 20 Min. @ Max. endurance speed at sea level (all engines operating).

LO-LO-LO MISSION

Warm-up, Taxi & Take-Off: 5 Min N.R.P. @ S.L.
Cruise-Out: At S.L. @ speed for maximum specific range (drop tanks when empty).
Run-Out: At S.L. @ Mil. Power for 3 Minutes, and drop store
Run-Back: At S.L. @ Mil. Power for 2 Minutes.
Cruise-Back: AT S.L. @ speed for maximum specific range.
Reserve: 5% of initial fuel plus fuel for 20 Min. @ max. endurance speed at sea level (all engines operating).



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