

REFERENCES & THANKS

Information for this guide was collected from various websites and from DCS itself.

Key contributors to the information are:

- airgoons.com
- wikipedia.org
- the Vault (A guide to weapons in Falcom BMS).
- Aerodrome Data and Frequencies by Dmitriy Kozyrev

All weapon illustrations were created by Goldwolf. Aircraft illustrations were created by Kaboldy and Goldwolf.

Aircraft information has been taken from DCS, Aircraft Manuals, online and Chuck's guides.

Turn rates are based on max sustained turn rate on this [website](#).

Thank you to the Hoggit community and everyone who gave their feedback and helped make the guide more complete.

DCS Files created by Goldwolf

Find below other files online, each is clickable.

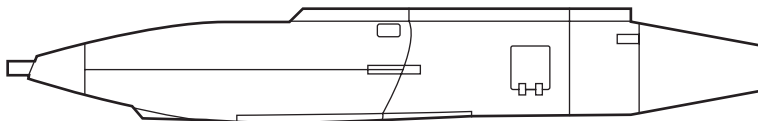
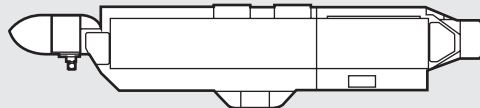
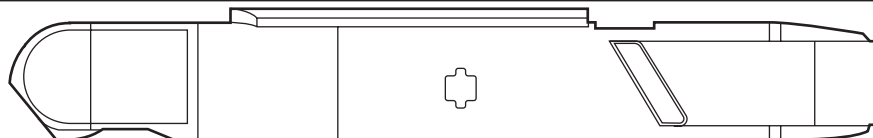
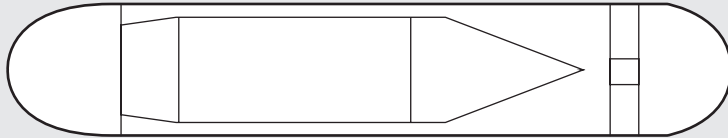


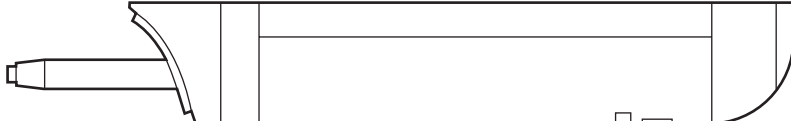
- [DCS Stream Deck Profiles](#)
- [A-10C HOTAS](#)
- [Quick Reference Guide - This document](#)
- [F-16C HOTAS](#)

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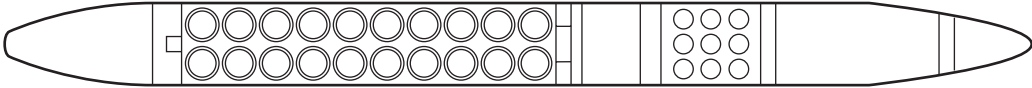



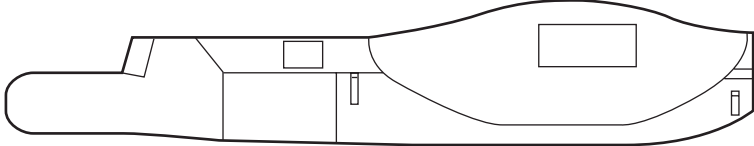
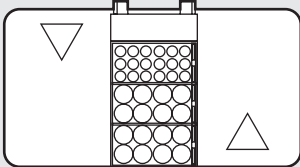
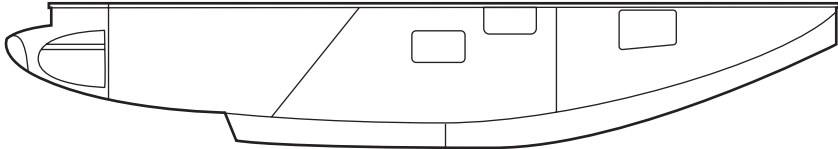
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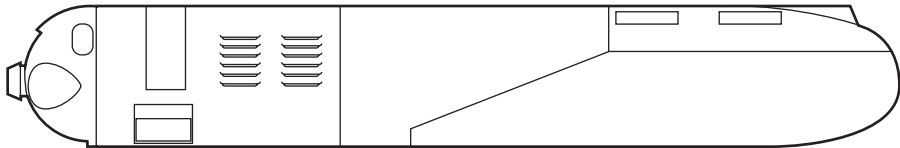
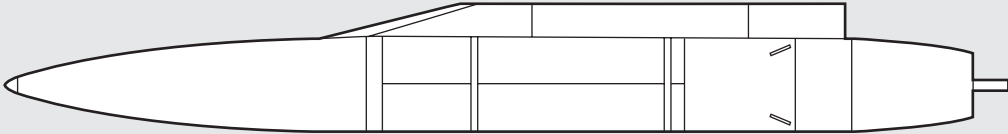
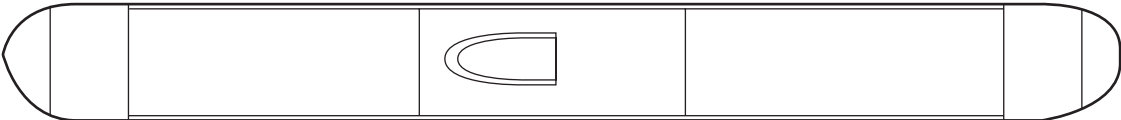
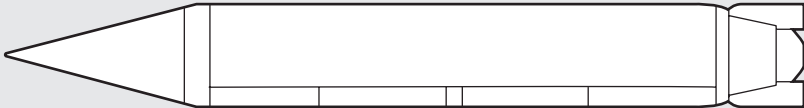
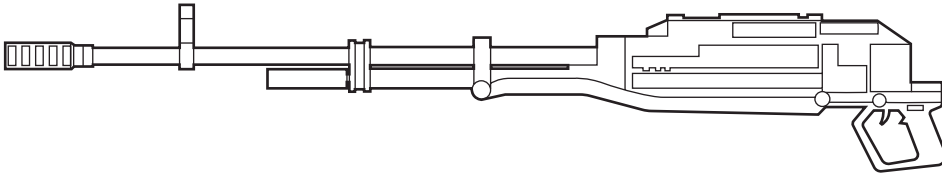
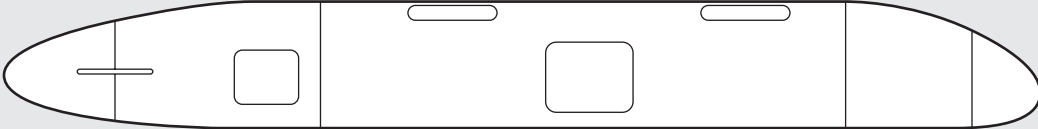

AIR TO GROUND WEAPONS - PODS

POD	TYPE	IMAGE	
AKAN	GUN		
MODEL	WEIGHT	PLATFORM	INFO
30/55	608 lbs 275.8 kg	AJS37	ADEN 30mm gun with 150 rounds.
POD	TYPE	IMAGE	
ALQ	ECM		
MODEL	WEIGHT	PLATFORM	INFO
131	672 lbs 304.8 kg	A-10A, A-10C	Electronic countermeasures pod.
184	648 lbs 294 kg	A-10A, A-10C, F-16	
POD	TYPE	IMAGE	
AN/AAQ	TARGETING		
MODEL	WEIGHT	PLATFORM	INFO
14 LANTIRN	754 lbs 342 kg	F-14A/B	IR/Laser target spotting and marking pod.
28 LITENING	458 lbs 207.7 kg	A-10C, AV-8B, F-16, F/A-18C	
POD	TYPE	IMAGE	
AN/ALQ	ECM ELINT		
MODEL	WEIGHT	PLATFORM	INFO
164 DECM	317 lbs 143.8 kg	AV-8B	ECM/ELINT pod.
POD	TYPE	IMAGE	
AN/ASQ	TARGETING		
MODEL	WEIGHT	PLATFORM	INFO
228 ATFLIR	336 lbs 152.4 kg	F/A-18C	ATFLIR targeting pod.
213 HTS	126 lbs 57 kg	F-16	HARM targeting pod. Used to locate SAM radar emitters.
POD	TYPE	IMAGE	
AN/ASQ	TRAINING		
MODEL	WEIGHT	PLATFORM	INFO
T50 TCTS	139 lbs 63 kg	A-10A, A-10C, A-4E, AV-8B, F-5E, F-14A/B, F-15C, F-16, F-18C	Recording/simulation pod.
POD	TYPE	IMAGE	
AN	GUN		
MODEL	WEIGHT	PLATFORM	INFO
M3	481 lbs 218.2 kg	C-101CC	Browning .50 caliber machine guns.

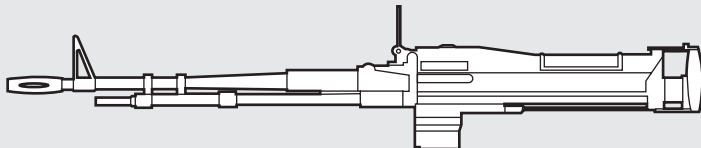
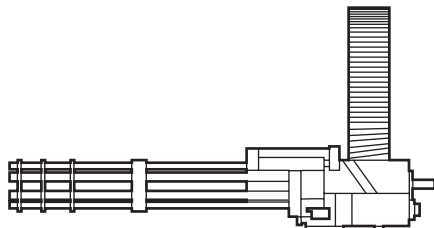
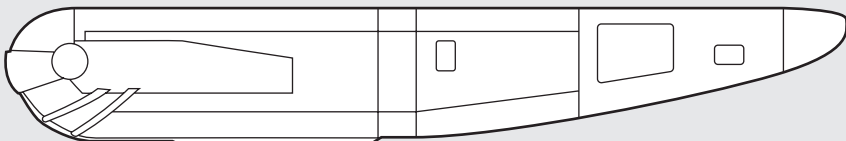
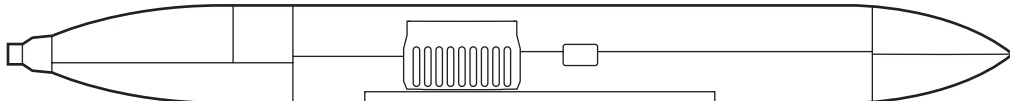
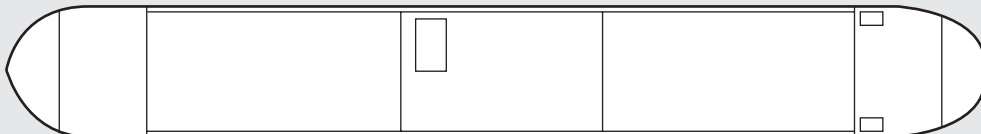
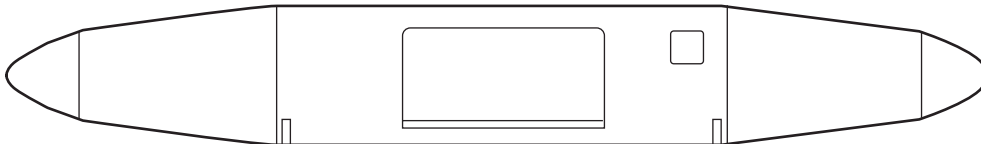
AIR TO GROUND WEAPONS - PODS

POD	TYPE	IMAGE	
ASO	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
2	49 lbs 22.2 kg	MiG-21	Countermeasures pod.
POD	TYPE	IMAGE	
AWW	DATA LINK		
MODEL	WEIGHT	PLATFORM	INFO
13 DATALINK	752 lbs 341.1 kg	F/A-18C	Data link pod for MitL weapons guidance.
POD	TYPE	IMAGE	
CBU	SUB-MUNITION DISPENSER		
MODEL	WEIGHT	PLATFORM	INFO
1/A	Dependant on submunition	A-4E	Submunition dispenser.
POD	TYPE	IMAGE	
DATA-LINK	DATA LINK		
MODEL	WEIGHT	PLATFORM	INFO
2	651 lbs 295.3 kg	JF-17	Data link pod for MitL weapons guidance.
POD	TYPE	IMAGE	
DEFA	GUN		
MODEL	WEIGHT	PLATFORM	INFO
553	481 lbs 218.2 kg	C-101CC	30mm caliber rounds.
POD	TYPE	IMAGE	
ECLAIR	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
	44 lbs 20 kg	M-2000C	Extended countermeasures pod. Replaced drag chute.
	POD	TYPE	IMAGE
GAU	GUN		
MODEL	WEIGHT	PLATFORM	INFO
12	626 lbs 284 kg	AV-8B	25mm gun pod.


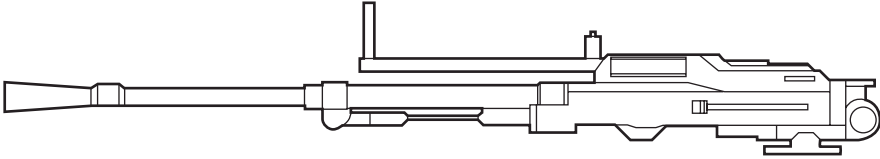
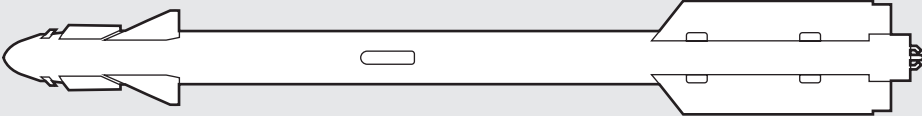
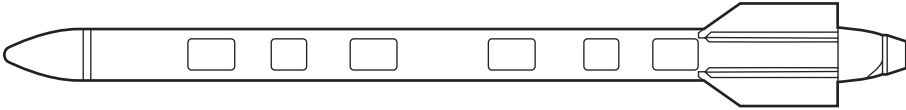

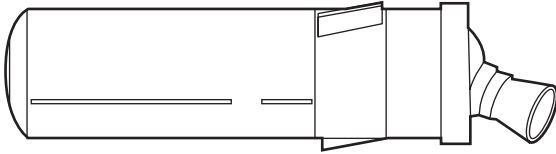
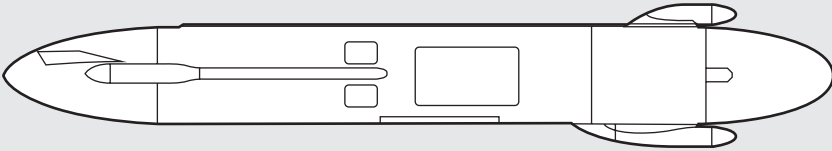
AIR TO GROUND WEAPONS - PODS

POD	TYPE	IMAGE	
GUV	GUN		
MODEL	WEIGHT	PLATFORM	INFO
AP-30	604 lbs 274 kg	Mi-8, Mi-24P	30mm automatic grenade launcher
YakB GSHP	996 lbs 451.8 kg		2×7.62mm + 1×12.7mm machine gun pod.
POD	TYPE	IMAGE	
KB F/C	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
12	653 lbs 296.2 kg	AJS37	Countermeasure dispenser used in conjunction with U22 or U22/A.
POD	TYPE	IMAGE	
KG / SPJ	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
600	595 lbs 269.9 kg	JF-17	Self-protection jammer pod.
POD	TYPE	IMAGE	
KMGU	BOMB DISPENSER		
MODEL	WEIGHT	PLATFORM	INFO
2	Dependant on submunition	Ka-50, MiG-29, Su-25, Su-27, Su-33	Submunition dispenser pod.
POD	TYPE	IMAGE	
KORD	GUN		
MODEL	WEIGHT	PLATFORM	INFO
25	209 lbs 94.8 kg	Mi-8	12.7mm gun emplacement.
POD	TYPE	IMAGE	
L-081	ELINT		
MODEL	WEIGHT	PLATFORM	INFO
FANTASMAGORIA	662 lbs 300.3 kg	Su-25T	Electronic intelligence (ELINT) emission targeting for Kh-25MP/MPU and Kh-58U.
POD	TYPE	IMAGE	
L005	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
SORBTSIYA	661 lbs 299.8 kg	J-11, Su-27, Su-33	Electronic countermeasures (ECM) pod.


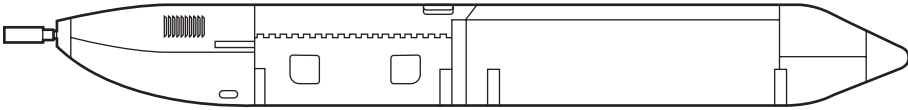
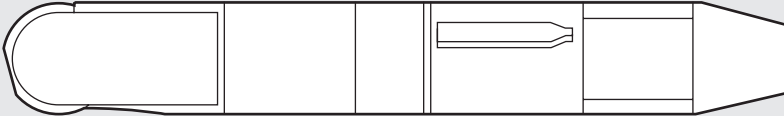
AIR TO GROUND WEAPONS - PODS

POD	TYPE	IMAGE	
M60	GUN		
MODEL	WEIGHT	PLATFORM	INFO
	311 lbs 141.1 kg	UH-1H	7.62mm M60 machine gun emplacement.
POD	TYPE	IMAGE	
M134	GUN		
MODEL	WEIGHT	PLATFORM	INFO
PYLON	322 lbs 146 kg	UH-1H	7.62mm Minigun emplacement.
WINDOW	595 lbs 269.9 kg		
POD	TYPE	IMAGE	
MERCURY	TARGETING		
MODEL	WEIGHT	PLATFORM	INFO
	1,047 lbs 474.9 kg	Su-25T	Low-light television (LLTV) EO targeting for Kh-29T, KAB-500kr.
POD	TYPE	IMAGE	
MK4	GUN		
MODEL	WEIGHT	PLATFORM	INFO
HIPEG	1,349 lbs 611.9 kg	A-4E	20mm cannon. 750 rounds.
POD	TYPE	IMAGE	
MPS	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
410	871 lbs 398.1 kg	Su-25T	Electronic countermeasures (ECM) pod.
POD	TYPE	IMAGE	
MXU	TRAVEL		
MODEL	WEIGHT	PLATFORM	INFO
648	662 lbs 300.3 kg	A-10C, F-5E, F-16	Travel/cargo pod.

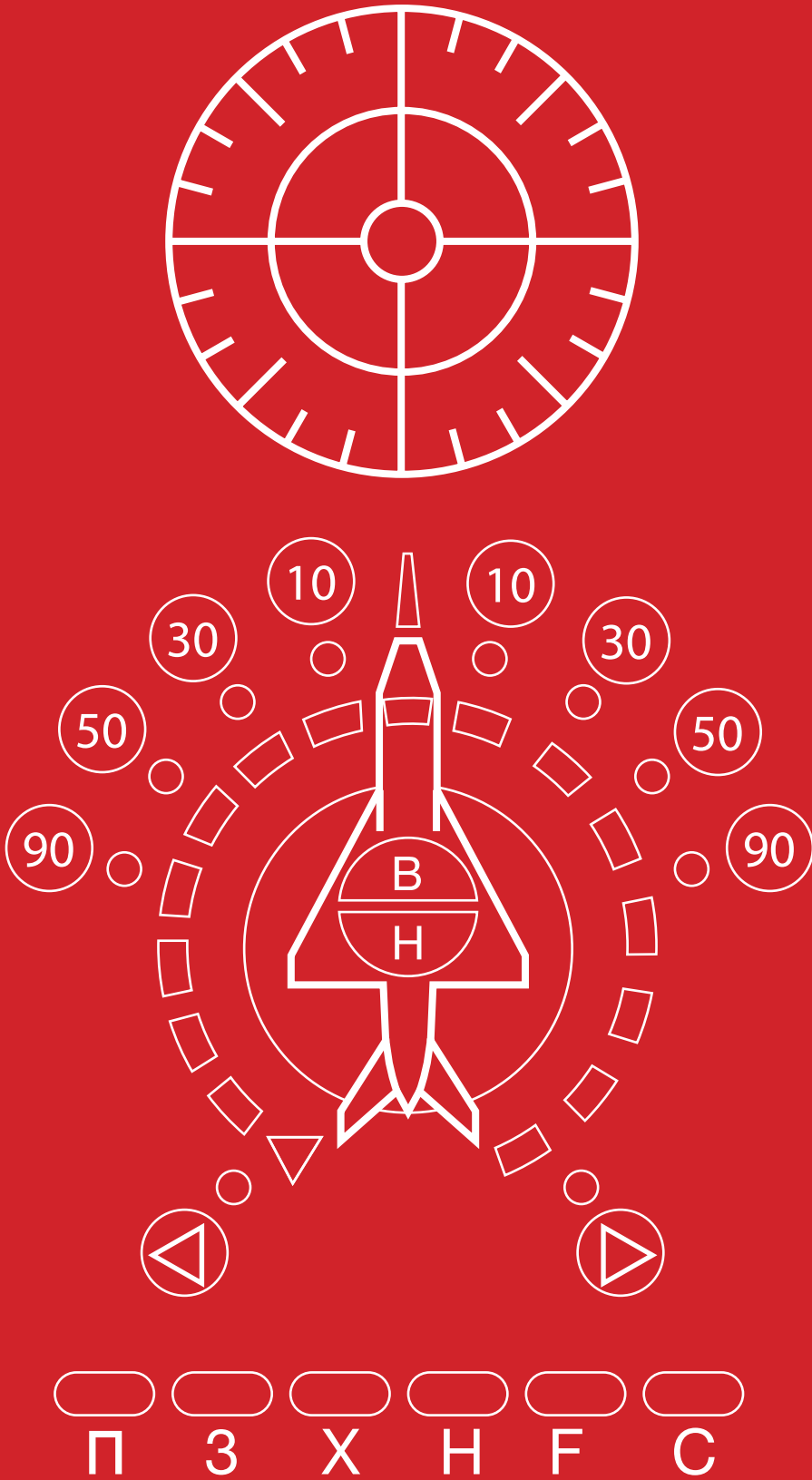
AIR TO GROUND WEAPONS - PODS

POD	TYPE	IMAGE	
PK	GUN		
MODEL	WEIGHT	PLATFORM	INFO
3	480 lbs 217.7 kg	L-39	3 7.62mm guns.
POD	TYPE	IMAGE	
PKT	GUN		
MODEL	WEIGHT	PLATFORM	INFO
	198 lbs 89.8 kg	Mi-8	7.62mm gun emplacement.
POD	TYPE	IMAGE	
SMOKE GENERATOR	SMOKE		
MODEL	WEIGHT	PLATFORM	INFO
	1,025 lbs 464.9 kg	MiG-19P, MiG-29, Su-25, Su-27, Su-33, JF-17	Smoke pod for wing tip pylons.
POD	TYPE	IMAGE	
SMOKE WINDER	SMOKE		
MODEL	WEIGHT	PLATFORM	INFO
	441 lbs 200 kg	A-10A, A-10C, A-4E, AV-8B, F-5E, F-14A/B, F-15C, M-2000C	Smoke pod for wing tip pylons.
POD	TYPE	IMAGE	
SPPU	GUN		
MODEL	WEIGHT	PLATFORM	INFO
22-1	1,179 lbs 534.8 kg	Su-25	Dual traversable 23mm GSh-23.
POD	TYPE	IMAGE	
SPRD	TAKE OFF		
MODEL	WEIGHT	PLATFORM	INFO
99	1,103 lbs 500.3 kg	MiG-21	Take-off assist rockets.
POD	TYPE	IMAGE	
SPS	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
141	331 lbs 150.1 kg	Su-25	Electronic countermeasures (ECM) pod with ASO countermeasures. ASO Pod cannot be used when equipped.
141-100		MiG-21	

AIR TO GROUND WEAPONS - PODS

POD	TYPE	IMAGE	
U22	COUNTER MEASURES		
MODEL	WEIGHT	PLATFORM	INFO
/A	767 lbs 347.9 kg	AJS37	Electronic countermeasures (ECM) used in conjunction with KB F/C.
			ECM and ELINT gathering pod used in conjunction with KB F/C.
POD	TYPE	IMAGE	
UPK	GUN		
MODEL	WEIGHT	PLATFORM	INFO
23-250	481 lbs 218.2 kg	Ka-50, Mi-8, MiG-21	Dual GSh-23L 23mm gun pod.
POD	TYPE	IMAGE	
WMD7	TARGETING		
MODEL	WEIGHT	PLATFORM	INFO
99	651 lbs 295.3 kg	JF-17	IR/Laser target spotting and marking pod.

DEFENSIVE SYSTEMS



DEFENSIVE SYSTEMS

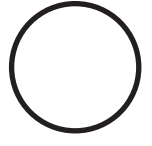
RADAR WARNING RECEIVER (RWR) SYMBOLISM

BLUFOR Threat Display - A-10, F-5, F-15, F-16, F-18

The BLUFOR RWR displays radar warning threats being received by your aircraft. Your aircraft is located in the very centre of these circles. The closer the threat is to the centre of the circle the greater the threat to you. The threats position around the circle represents approximately where that threat is coming from. The display does not convey distance to threat, only the greatest threat to you. If an **F** is shown in the centre, the RWR has failed.



PRIMARY THREAT



THREAT IS TRACKING/LOCKED ON YOU



NEWEST THREAT DETECTED



AIRBORNE THREAT

EXAMPLES:



S-300 Clam Shell is tracking/locked on to you and is the primary threat.



SA-3 Flat Face is the newest threat detected but not the primary threat. It is not tracking you.

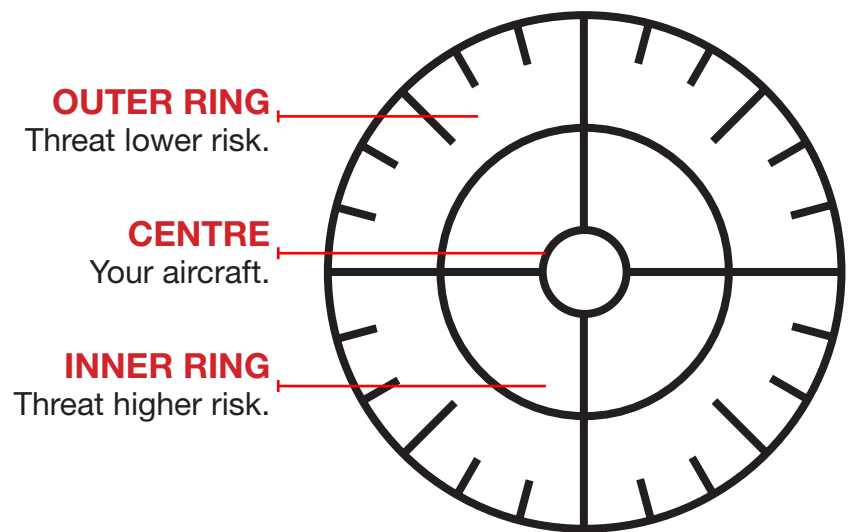
AUDIBLE WARNINGS

SINGLE BEEP - A new ground or sea based emitter has been detected.

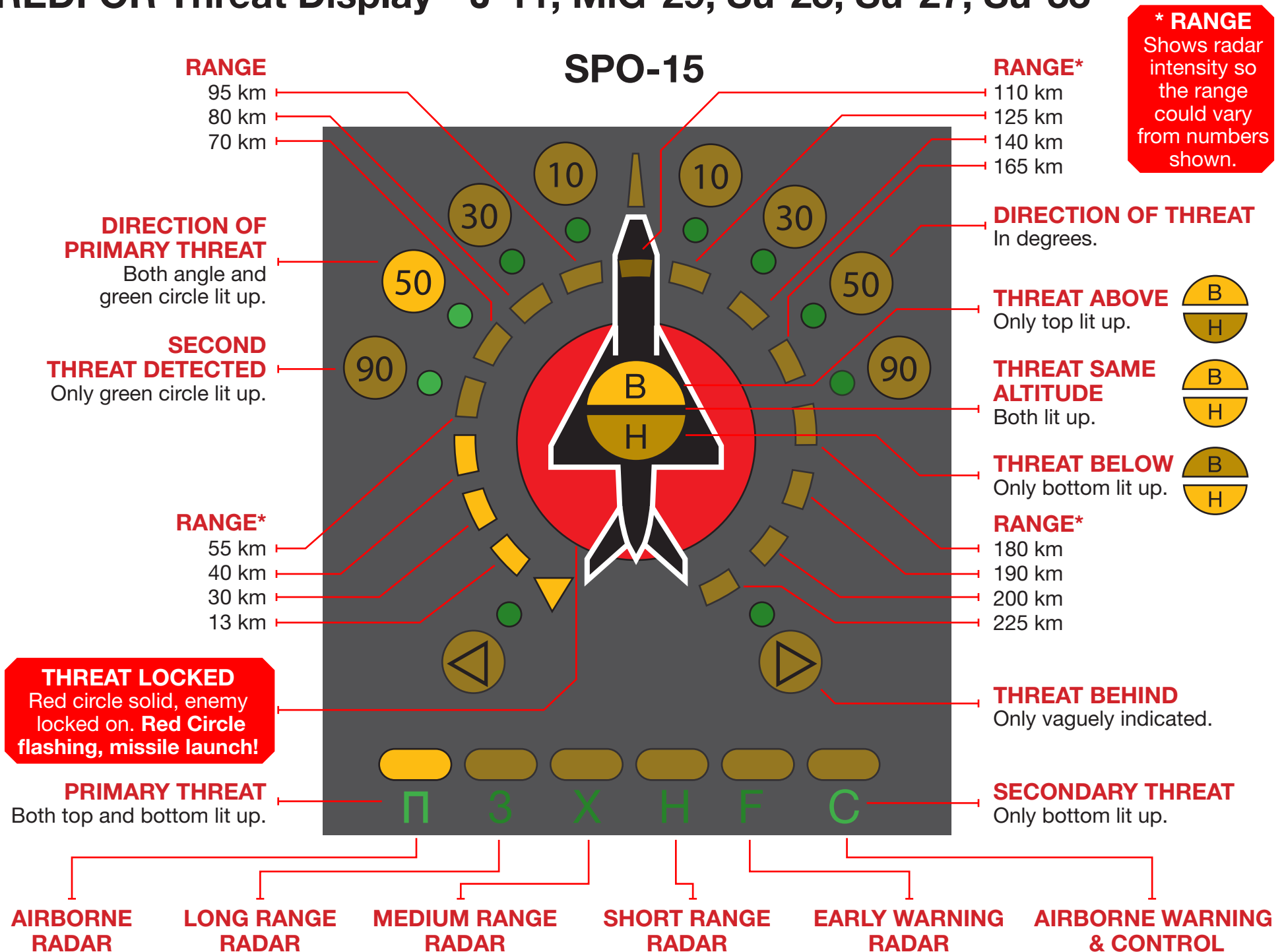
DOUBLE BEEP - A new airborne emitter has been detected.


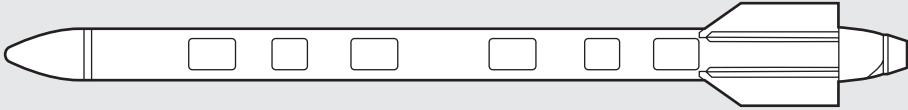
REPEATING BEEP - An emitter is tracking.


FAST REPEATING BEEP - An emitter is guiding a missile or is a missile.

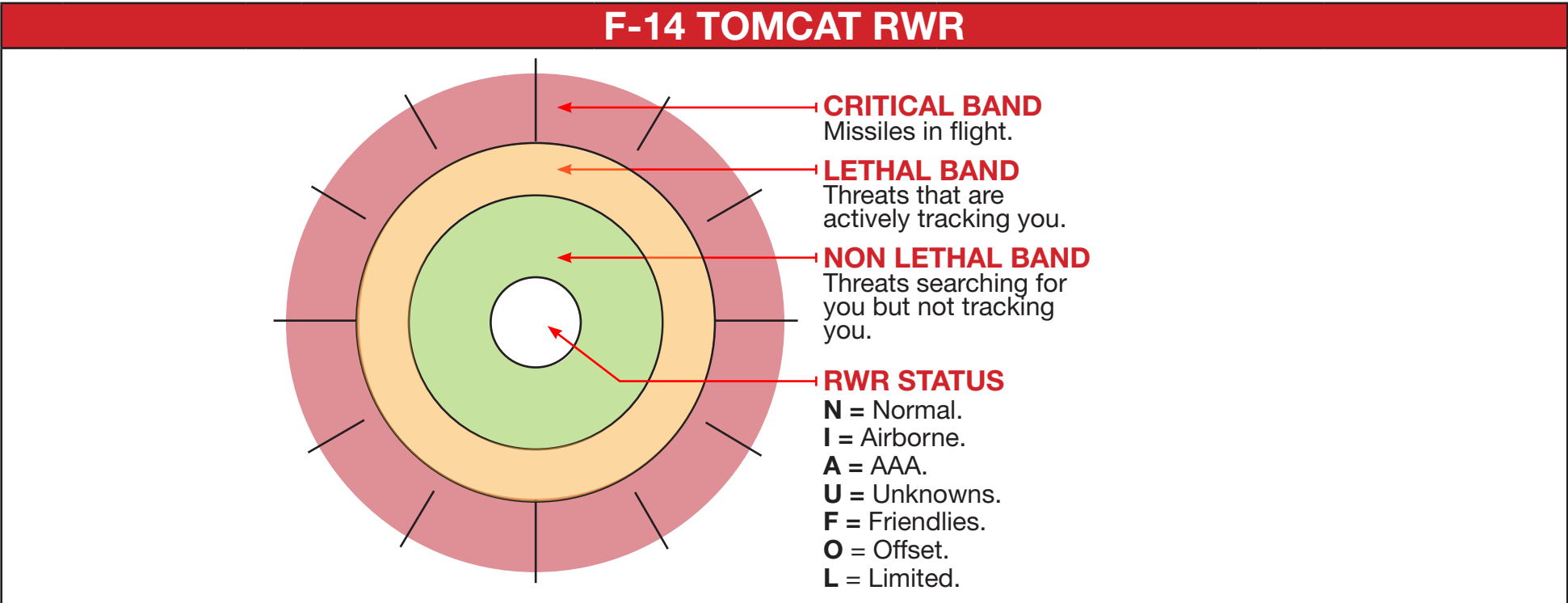



REDFOR Threat Display - J-11, MiG-29, Su-25, Su-27, Su-33



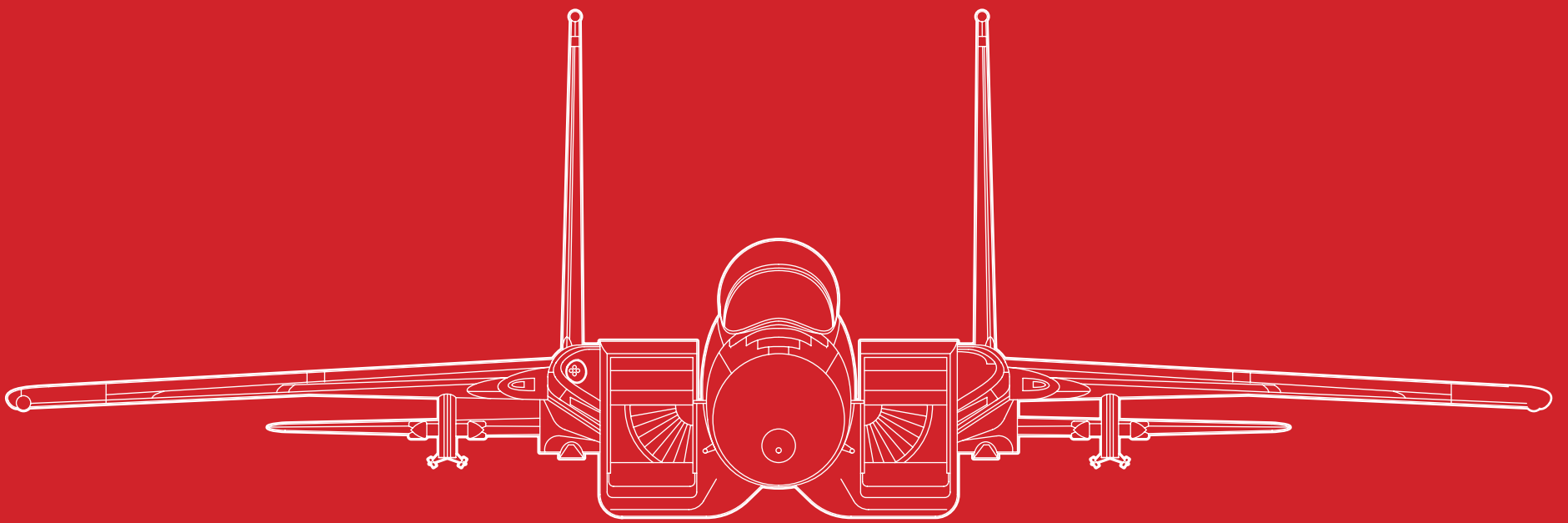
AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
AN/ASQ	TRAINING		
STATION	VERSION	WEIGHT	INFO
1A, 8A	T50 TCTS	139 lbs 63 kg	Recording/simulation pod.
POD	TYPE	IMAGE	
SMOKEWINDER	SMOKE		
STATION	VERSION	WEIGHT	INFO
1A, 8A		441 lbs 200 kg	Smoke pod for wing tip pylons.

FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
300 GAL	2, 7	110 lbs 49.9 kg	



RWR SYMBOLOGY									
2	SA-2	23	MiG-23	AN	AN-26B	HA	Hawk	RO	Roland
3	SA-3	24	Su-24	AP	AH-64D	HK		S	IL13 & 55G6 EWR
6	SA-6	25	MiG-25	B1	B-1	HP	Oliver Hazard Perry	S3	S-3
8	SA-8	29	MiG-29, Su-27, Su-33	BB	S-300	HU	DDG-171	SH	SH-60B
10	SA-10	30	Su-30	BD		HX	Ka-27	SD	S-11 Snow Drift
11	SA-11	31	MiG-31	BE	Tu-95 or Tu-142	IL	IL-76, IL-78	SN	PRW-11 Side Net
12	S-300	34	Su-34	BF	Tu-22	KC	KC-130, KC-135	SV	Slava
13	SA-13, C130	39	Su-39	BJ	Tu-160	KJ	KJ-2000	T	ATC Radar
14	F-14	50	A-50	CS	S-300	KK	Krivak 3	TC	Ticonderoga
15	SA-15, F-15	52	B-52	DE	Dog Ear	KV	Kirov	TT	Tarantul
16	F-16	76	IL-76	E2	E-2C	M	Missile	TW	Tarawa
17	C-17	78	IL-78	E3	E-3	M2	M-2000	Y1	FFG-538
18	F/A-18	95	Tu-95	F4	F-4	N	Ship Nav Radar	 SURFACE SHIP	
19	SA-19, MiG19	A	Gepard, Vulcan, Shilka	F5	F-5	NE	Neustrashimy		
21	MiG-21	AB	Arleigh Burke	GR	Grisha 5	NZ	Nimitz		
22	Tu-22	AK	Admiral Kuznetsov	GZ	DDG-168	PT	Patriot		

AIRCRAFT QUICK REFERENCE



**F-15C
EAGLE**

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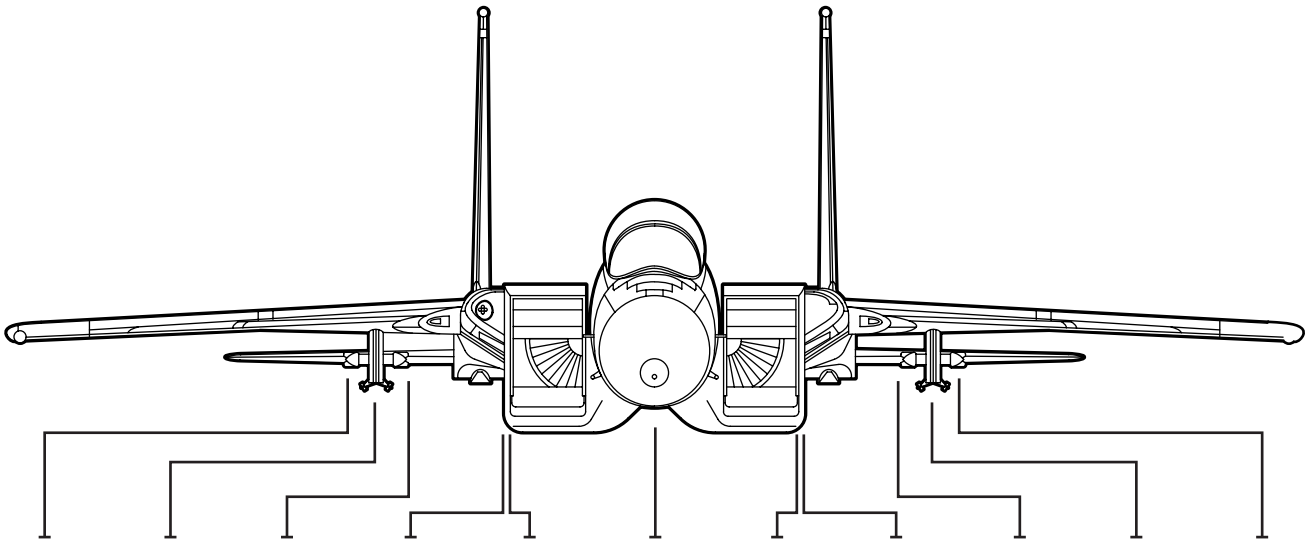
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F-15C EAGLE


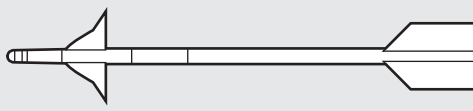
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	MAX	68,002 LBS
TAKE OFF	CLEAN	130 KTS
	LOADED	150 KTS
LANDING	FLAPS	250 KTS
	GEAR	230 KTS
	GROUND	150 KTS
TOP SPEED	SEA LEVEL	MACH 1.2
	45,000 FT	MACH 2.5
MAX ALTITUDE		58,000 FT
MAX G		9+ G
MAXIMUM TURN RATE	CLEAN	350 KTS
RADAR MAX RANGE		160 NM
GUN	940 ROUNDS	
COUNTER MEASURES	CHAFF	120
	FLARE	60

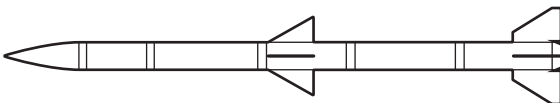
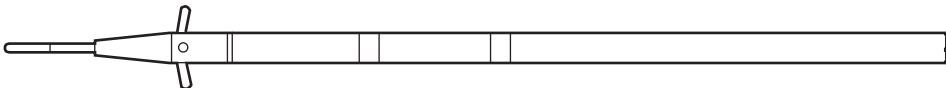
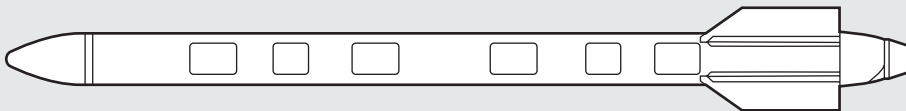

WEAPONS AVAILABLE ON STATION | 1 ●



STATION			11	10	9	8	7	6	5	4	3	2	1
AIR TO AIR WEAPONS	AIM-7	E				●	●		●	●			
		F				●	●		●	●			
		M				●	●		●	●			
		MH				●	●		●	●			
	AIM-9	L	●		●						●		●
		M	●		●						●		●
		P	●		●						●		●
		P5	●		●						●		●
	AIM-120	B	●		●	●	●		●	●	●		●
		C-5	●		●	●	●		●	●	●		●
PODS	AN/ASQ	T-50 TCTS	●										●
	SMOKEWINDER		●										●
FUEL TANK		610 GAL		●				●				●	

AIR TO AIR WEAPONS

WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-7	SEMI-ACTIVE RADAR					SPARROW	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
4, 5, 7, 8	E	24 nm 45 km	ALL	1-4	1970	First model.	
	F	38 nm 70 km			1976	Improved range.	
	M				1982	Improved warhead.	
	MH				1985	Improved tracking and loft.	
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 3, 9, 10	L	10 nm 18.5 km	ALL	1-4	1977	9G launch capable, CM resistant.	
	M				1982	Improved slightly over L.	
	P		REAR		1975	Improved over B.	
	P5		LMT FRONT		1975	Improved over P.	

WEAPON	TYPE	IMAGE					NAME	RANGE
AIM-120	ACTIVE RADAR						AMRAAM	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO		
1, 3, 4, 5, 7, 8, 9, 11	B	40 nm 75 km	ALL	1-8	1994	Improved variant over A.		
	C-5	60 nm 111 km		1-8	1996	Smaller control surfaces over B.		
AIR TO GROUND - PODS								
POD	TYPE	IMAGE						
AN/ASQ	TRAINING							
STATION	VERSION	WEIGHT	INFO					
1, 11	T-50 TCTS	139 lbs 63 kg	Recording/simulation pod.					
POD	TYPE	IMAGE						
SMOKE WINDER	SMOKE							
STATION	VERSION	WEIGHT	INFO					
1, 11		441 lbs 200 kg	Smoke pod for wing tip pylons.					
FUEL TANKS								
TANK	STATION	WEIGHT	IMAGE					
610 GAL	2, 6, 10	320 lbs 145.2 kg						

AIRCRAFT QUICK REFERENCE



F-16CM VIPER BLOCK 50

CREATED BY GOLDWOLF

04/26/22

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F-16CM VIPER BLOCK 50

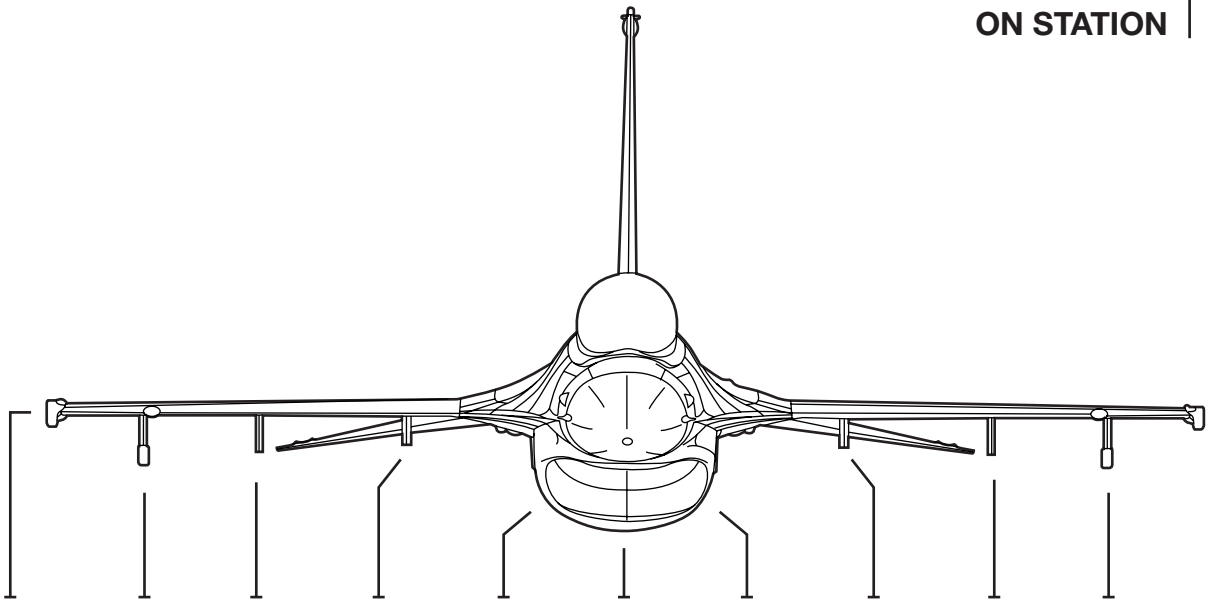
WEIGHT	CLEAN	19,899 lbs
	MAX	48,000 lbs
TAKE OFF	CLEAN	128 KTS
	44,000 lbs	198 KTS
LANDING	FLAPS	AUTO
	GEAR	200 KTS
TOP SPEED	LOW	800 KTS
	30,000	2.05 MACH
MAX ALTITUDE		59,000 FT
MAX G	CLEAN	+9G -3G
MAXIMUM TURN RATE	CLEAN	397 KTS
RADAR	MAX RNG	120 nm
GUN	512 ROUNDS	
COUNTER MEASURES	CHAFF	60
	FLARES	60

WEAPONS AVAILABLE ON STATION

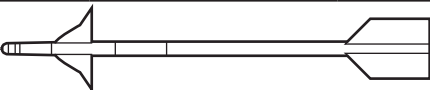
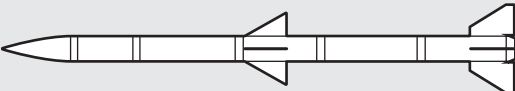
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2 ●

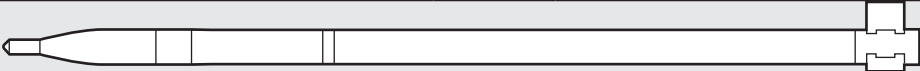
3 ○




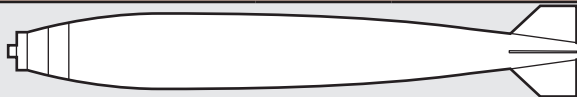
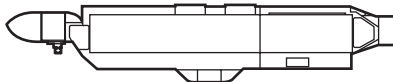
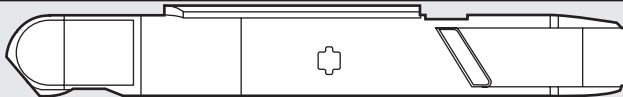
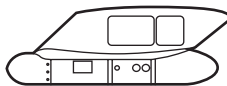


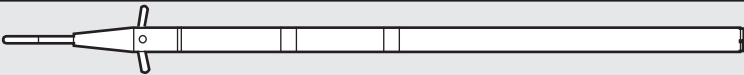
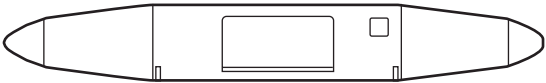
STATION			9	8	7	6	5R	5	5L	4	3	2	1
AIR TO AIR MISSILES	AIM-9	L	●	●	●						●	●	●
		M	●	●	●						●	●	●
		M-CAP	●	●	●						●	●	●
		X	●	●	●						●	●	●
	AIM-120	B	●	●	●						●	●	●
		C-5	●	●	●						●	●	●
AIR TO GROUND MISSILES	AGM-65	D			○●●						●●○		
		G			●						●		
		H			○●●						●●○		
		K			●						●		
	AGM-88	C			●	●				●	●		
	AGM-154	A			●●						●●		
ROCKETS	HYDRA	M151			●	●				●	●		
		M156			●	●				●	●		
		MK5			●	●				●	●		
		MK61			●	●				●	●		
		WTU-1/8			●	●				●	●		
BOMBS	BDU	33			○	○				○	○		
	CBU	87			●●	○●●				●●○	●●		
		97			●●	○●●				●●○	●●		
		103			●●						●●		
		105			●●						●●		
	GBU	10			●	●				●	●		
		12			●●	●				●	●		
		31(V)1/B			●						●		
		31(V)3/B			●						●		
		38			●●						●●		
		82			○●●	○●●				●●○	●●○		
	MK	82 SE			○●●	○●●				●●○	●●○		
		82 AIR			○●●	○●●				●●○	●●○		
		84			●	●				●	●		
PODS	ALQ	184			●			●			●		
	AN/AAQ	28 LITENING					●						
	AN/ASQ	213 HTS							●				
	AN/ASQ	T50 TCTS	●	●	●						●	●	●
	MXU	648			●	●		●		●	●		
FUEL TANKS		300 GAL						●					
		370 GAL				●				●			

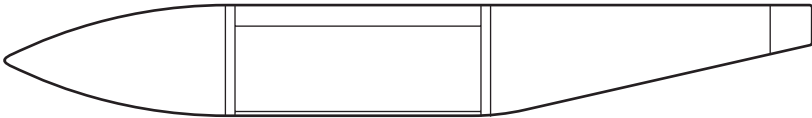

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 3, 7, 8, 9	L	10 nm 18.5 km	ALL	1-6	1977	9G launch capable, CM resistant	
	M				1982	Improved slightly over L	
	CAP					Training AIM-9M	
	X	20 nm 37 km	ALL	1-6	2003	High off boresight	
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-120	ACTIVE RADAR					AMRAAM	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 3, 7, 8, 9	B	40 nm 75 km	ALL	1-6	1994	Improved variant over A	
	C-5	60 nm 111 km			1996	Smaller control surfaces over B	

AIR TO GROUND - MISSILES							
WEAPON	TYPE	IMAGE				NAME	
AGM-65	AIR TO SURFACE					MAVERICK	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
3, 7	D	8 nm 15 km	ANTI-ARMOR	1-6	1975	Infrared Seeker. Shaped charge.	
	G	15 nm 27 km	HARD TARGET	1-2		Infrared Seeker. Penetrating blast fragmentation.	
	H	5 nm 9 km	ANTI-ARMOR	1-6		Electro-Optical TV. Shaped charge.	
	K	5 nm 9 km	HARD TARGET, SHIP	1-2	1986	Electro-Optical TV. Shaped charge.	
WEAPON	TYPE	IMAGE				NAME	
AGM-88	ANTI-RADIATION					HARM	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
3, 4, 6, 7	C	80 nm 150 km	RADAR	1-2	1983	Can detect and home in on multiple radar antennas or transmitters.	
WEAPON	TYPE	IMAGE				NAME	
AGM-154	GLIDE BOMB					JSOW	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
3, 7	A	12 - 70 nm 22 - 130 km	SOFT TARGET	1-4	1998	GPS/INS guided. 145 bomb submunitions.	

AIR TO GROUND - ROCKETS							
WEAPON	SIZE	IMAGE					
HYDRA	2.75 in 70 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
3, 4, 6, 7	M151	SOFT TARGET	LAU-3/61	19, 38, 57, 76	High Explosive.		
	M156	TARGET MARKING			White phosphorus.		
	MK5	HARD TARGET			High Explosive Anti-Tank warhead.		
	MK61	TARGET MARKING			Smoke.		
	WTU-1/8	PRACTICE TARGET			Inert warhead for training purposes.		

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BDU	TRAINING				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3, 4, 6, 7	33	SOFT TARGET	25 lbs 11.3 kg	3, 6	Training smoke.
WEAPON	TYPE	IMAGE			
CBU	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3, 4, 6, 7	87 CEM	SOFT TARGET	950 lbs 431 kg	1-6	High-explosive, high-drag.
	97 SFW	ANTI-ARMOR	1000 lbs 453.6 kg		High-drag.
3, 7	103	SOFT TARGET	950 lbs 431 kg		1-4
	105	ANTI-ARMOR	1000 lbs 453.6 kg	INS-guided, wind-corrected CBU-97.	
WEAPON	TYPE	IMAGE			
GBU	LASER GUIDED				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3, 4, 6, 7	10	HARD TARGET	2,000 lbs 907.2 kg	1-2	Laser guided Mk-84.
	12	MED STRUCTURE	500 lbs 226.8 kg	1-4	Laser guided Mk-82.
3, 7	31(V)1/B	HARD TARGET	2,000 lbs 907.2 kg	1-2	INS guided Mk-84.
	31(V)3/B				INS guided BLU-109 hardened penetration.
	38	MED STRUCTURE	500 lbs 226.8 kg	1-4	INS guided Mk-82.
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
3, 4, 6, 7	82	LIGHT STRUCTURE	500 lbs 226.8 kg	1-6	High-explosive, low-drag.
	82 SE		1000 lbs 453.6 kg		Mk-82 with high-drag fin kit.
	82 AIR				Mk-82 with high-drag ballute kit.
	84	HARD TARGET	2000 lbs 907.2 kg	1-2	High-explosive, low-drag.
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
ALQ	ECM				
STATION	VERSION	WEIGHT	INFO		
3, 5, 7	184	648 lbs 294 kg	Electronic countermeasures pod.		
	184 LONG	805 lbs 365 kg			
POD	TYPE	IMAGE			
AN/AAQ	TARGETING				
STATION	VERSION	WEIGHT	INFO		
5R	28 LITENING	458 lbs 207.7 kg	IR/Laser target spotting and marking pod.		
POD	TYPE	IMAGE			
AN/ASQ	TARGETING				
STATION	VERSION	WEIGHT	INFO		
5L	213 HTS	126 lbs 57 kg	HARM targeting pod. Used to locate SAM radar emitters.		

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
AN/ASQ	TRAINING		
STATION	VERSION	WEIGHT	INFO
1, 2, 3, 7, 8, 9	T50 TCTS	139 lbs 63 kg	Recording/simulation pod.
POD	TYPE	IMAGE	
MXU	TRAVEL		
STATION	VERSION	WEIGHT	INFO
3, 4, 5, 6, 7	648	662 lbs 300.3 kg	Travel/cargo pod.

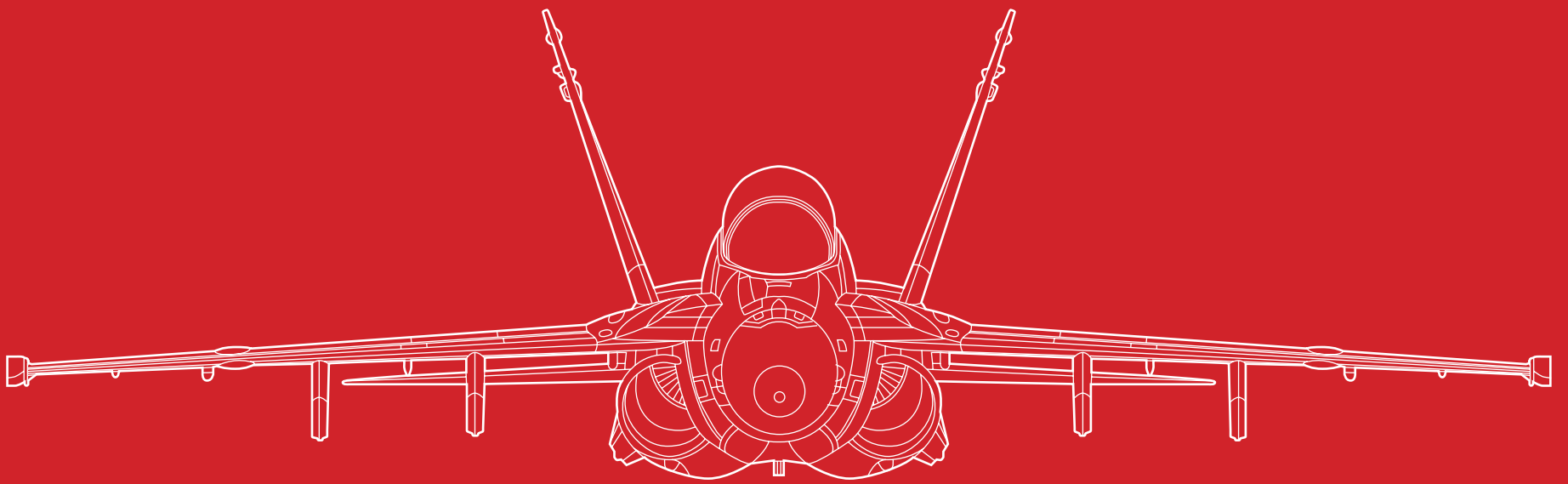
FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
300 GAL	5	770 lbs 349.3 kg	
TANK	STATION	WEIGHT	IMAGE
370 GAL	4, 6	556 lbs 252.2 kg	

HOTAS											
SOI	TMS						SOI	DMS			
	FORWARD	AFT	LEFT		RIGHT			FORWARD	AFT	LEFT	RIGHT
	SHORT	SHORT	SHORT	LONG	SHORT	LONG		SHORT	SHORT	SHORT	SHORT
TGP	POINT TRACK	TARGET REJECT	POLARITY SWAP		AREA TRACK		TGP	SOI TO HUD	SOI MFD SWAP	NEXT LEFT MFD	NEXT RIGHT MFD
WPN	TRACK						WPN				
FCR	RWS SPOTLIGHT ACM BORE		INTERROGATE ALL	INTERROGATE TARGET	TWS BUG STEP	TWS/RWS SWAP	FCR				
HUD	DTOS/EO-VIS DESIGNATE						HUD		SOI TO MFD		
HSD	DESIGNATE	DROP									

SOI	CMS				IMAGE BASED VERSION	
	FORWARD	AFT	LEFT	RIGHT		
ALL	DISPENSE MANUAL SELECTED PROGRAM	GIVES CONSENT TO SEMI AND ENABLES AUTO DISPENSE MODE	DISPENSE PROGRAM 6	DISABLE AUTO DISPENSE MODE	<div> <div> <div>HSD</div> <div>TGP</div> <div>HUD</div> <div>FCR</div> <div>WPN</div> </div> <div> <div>FORWARD</div> <div>HSD</div> <div>TGP</div> <div>HUD</div> <div>FCR</div> <div>WPN</div> </div> <div> <div>DESIGNATE</div> <div>POINT TRACK</div> <div>DTOS/EO-VIS DESIGNATE</div> <div>RWS SPOTLIGHT ACM BORE</div> <div>WPN TRACK</div> </div> </div> <div> <div>The full sized image of this can be found on this website to download.</div> </div>	

HARM HAS/HTS TABLE															
HAS	HAD	ID	RWR	NAME	HAS	HAD	ID	RWR	NAME	HAS	HAD	ID	RWR	NAME	
1		103	CS	SA-10 SR		2	129	5	SA-5 SR		7	125	RT	RAPIER FSA	
		104	BB	SA-10 SR		4	101	S	EWR			201	RO	ROLAND ADS	
		107	SD	SA-11 SR			102					203	HK	HAWK SR	
		110	10	SA-10 TR		5	301	SW	CV KUZNETSOV			204		HAWK TR	
		115	11	SA-11 LN			303	T2	CG MOSKVA			205	RO	ROLAND SR	
2	1	119	15	SA-15 TOR	306		HP	FFL GRISHA	206	HK	HAWK CWAR				
	2	117	8	SA-8 OSA	309		TP	FF REZKY	8	207	A	AAA GEPARD			
	3	109	DE	CP SBORKA	312		PS	FSG MOLNIYA		208		AAA VULCAN			
		120	19	SA-19 TUNGUSKA	313	HN	CGN VELIKIY	10	315	AE	TICONDEROGA				
		121	A	AAA SHILKA	319	TP	FFB NEUSTRA		401	49	OLIVER PERRY				
3	2	108	6	SA-6 STR	320	SW	CV KUZNETSOV		402	SS	CVN-70 VINSON				
		118	13	SA-13 STRELA	408	PS	TYPE 071		403		CVN-71 ROOSEVELT				
		122	5	SR P-19	409	MR	TYPE 052B		404		CVN-72 LINCOLN				
		123	3	SA-3 TR	410	HN	TYPE 052C		405		CVN-73 WASHINGTON				
		126	2	SA-2 TR	411	MR	TYPE 054A		406		CVN-74 STENNIS				
	1	127	7	HQ7 LN		6	202		P	PATRIOT STR			407	40	LHA TARAWA
		128	HQ	HQ7 STR			209		NS	NASAMS SR			412	AE	DDG ARLEIGH BURKE
		130	TS	SA-5 SR			7		124	RP			RAPIER FSA	413	SS

AIRCRAFT QUICK REFERENCE



**F/A-18C
HORNET**

CREATED BY GOLDWOLF

04/26/22

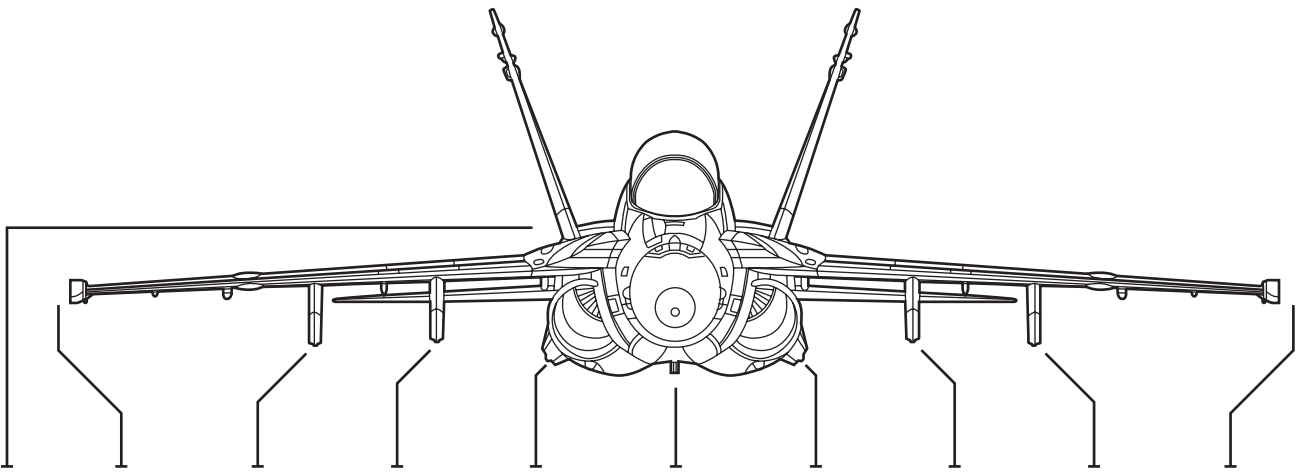
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F/A-18C HORNET

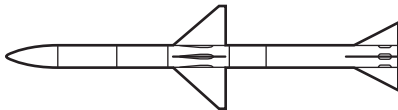
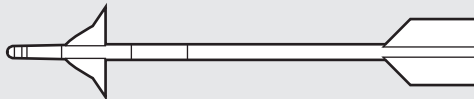
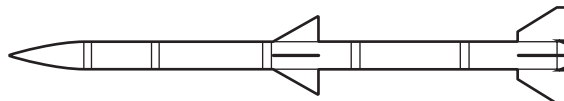
WEIGHT	CLEAN	25,093 LBS
	MAX	51,899 LBS
TAKE OFF	CLEAN	130
	LOADED	150
LANDING	FLAPS	250
	GEAR	250
	GROUND	150
TOP SPEED	LOW ALT	766 KTS
	HIGH ALT**	MACH 1.85
MAX ALTITUDE		69,800 FT
MAX G		+9G
MAX TURN RATE	CLEAN**	361 KTS
RADAR	MAX RNG	160 NM
GUN	578 ROUNDS	
COUNTER MEASURES	CH:60 FL:60	

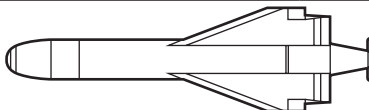
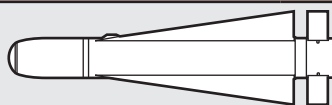
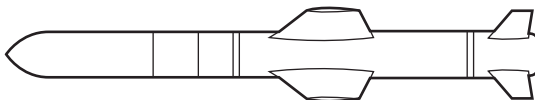
* APPROXIMATELY 45,000 LBS.
** CLEAN.

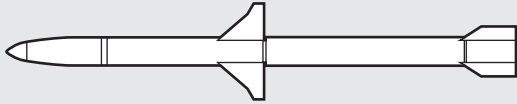

WEAPONS AVAILABLE ON STATION | 1 ●
2 ●

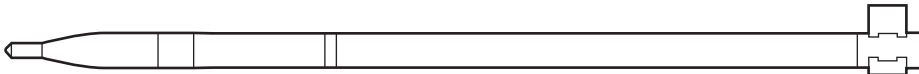
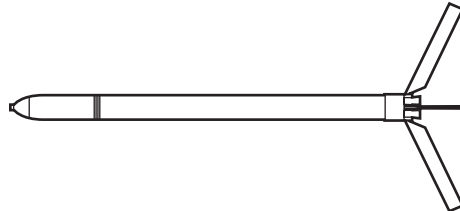


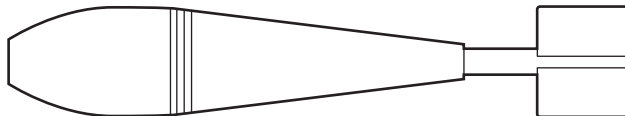

STATION			10	9	8	7	6	5	4	3	2	1
AIR TO AIR MISSILES	AIM-7	F			●	●	●		●	●	●	
		M			●	●	●		●	●	●	
		MH			●	●	●		●	●	●	
	AIM-9	L		●	●●						●●	●
		M		●	●●						●●	●
		X		●	●●						●●	●
	AIM-120	B			●●	●●	●		●	●●	●●	
		C-5			●●	●●	●		●	●●	●●	
AIR TO GROUND MISSILES	AGM-62			●							●	
	AGM-65	E			●	●				●	●	
		F			●	●				●	●	
	AGM-84	D			●	●				●	●	
		E			●	●				●	●	
		H			●	●				●	●	
	AGM-88	C			●	●				●	●	
	AGM-154	A			●●	●●				●●	●●	
C				●●	●●				●●	●●		
ROCKETS	HYDRA	M151			●●	●●				●●	●●	
		MK5			●●	●●				●●	●●	
	ZUNI	MK71			●●	●●				●●	●●	
BOMBS	BDU	45			●●	●●		●●		●●	●●	
		45B			●●	●●		●●		●●	●●	
		45LG			●●	●●				●●	●●	
	CBU	99			●●	●●		●●		●●	●●	
	GBU	10			●	●				●	●	
		12			●●	●●				●●	●●	
		16			●	●				●	●	
		24			●	●				●	●	
		31(V)1/B			●	●				●	●	
		31(V)2/B			●	●				●	●	
		31(V)3/B			●	●				●	●	
		31(V)4/B			●	●				●	●	
		32(V)2/B			●	●				●	●	
		38			●●	●●				●●	●●	
	MK	20			●●	●●		●●		●●	●●	
		82			●●	●●		●●		●●	●●	
		82 SE			●●	●●		●●		●●	●●	
		82Y			●●	●●		●●		●●	●●	
		83			●●	●●		●		●●	●●	
		84			●	●		●		●	●	
PODS	AN/AAQ	28 LITENING						●	●			
	AN/ASQ	228 ATFLIR							●			
		T50 TCTS		●								●
	AWW	13 DATALINK			●	●		●		●	●	
SMOKE			●									
FUEL TANK		330 GAL				●		●		●		

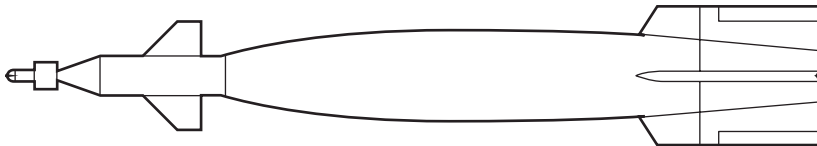

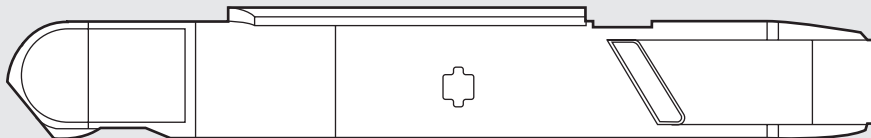

AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-7	SEMI-ACTIVE RADAR					SPARROW	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
2, 3, 4, 6, 7, 8	F	38 nm 70 km	ALL	1-6	1976	Improved range.	
	M				1982	Improved warhead.	
	MH				1985	Improved tracking and loft.	
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-9	INFRARED					SIDEWINDER	SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1, 2, 7, 8	L	10 nm 18.5 km	ALL	1-6	1977	9G launch capable, CM resistant.	
	M				1982	Improved slightly over L.	
	X	20 nm 37 km			2003	High off boresight.	
WEAPON	TYPE	IMAGE				NAME	RANGE
AIM-120	ACTIVE RADAR					AMRAAM	MEDIUM
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
2, 3, 4, 6, 7, 8	B	40 nm 75 km	ALL	1-10	1994	Improved variant over A.	
	C-5	60 nm 111 km			1996	Smaller control surfaces over B.	



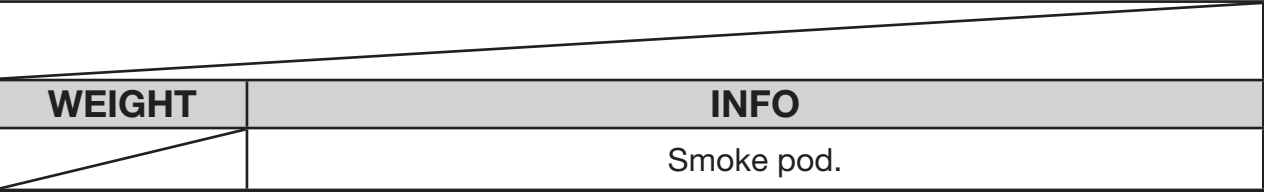

AIR TO GROUND - MISSILES							
WEAPON	TYPE	IMAGE				NAME	
AGM-62	GLIDE BOMB					WALLEYE	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
2, 8		30 nm 55.6 km	HARD TARGET	1-2	1972	TV guided 2000 lb bomb.	
WEAPON	TYPE	IMAGE				NAME	
AGM-65	AIR TO SURFACE					MAVERICK	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
2, 3, 7, 8	E	8 nm 15 km	HARD TARGET, SHIP	1-4	1975	Semi-active laser. Penetrating blast fragmentation.	
	F		HARD TARGET			Infrared Seeker. Penetrating blast fragmentation.	
WEAPON	TYPE	IMAGE				NAME	
AGM-84	ANTI-SHIP ANTI-STRUCTURE					HARPOON	
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
2, 3, 7, 8	D	50 - 70 nm 92 - 130 km	SHIPS	1-4	1977	Active radar homing.	
	E		STATIONARY TARGET, SHIP		1990	SLAM. Standoff Land Attack Missile. Man-In-The-Loop (MITL) control.	
	H				120 - 155 nm 222 - 287 km	2000	SLAM-ER. Standoff Land Attack Missile-Expanded Response. Man-In-The-Loop (MITL) control.

AIR TO GROUND - MISSILES						
WEAPON	TYPE	IMAGE				NAME
AGM-88	ANTI-RADIATION					HARM
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
2, 3, 7, 8	C	80 nm 150 km	RADAR	1-4	1983	Can detect and home in on multiple radar antennas or transmitters.
WEAPON	TYPE	IMAGE				NAME
AGM-154	GLIDE BOMB					JSOW
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO
2, 3, 7, 8	A	12 - 70 nm 22 - 130 km	SOFT TARGET	1-8	1998	GPS/INS guided. 145 bomb submunitions.
	C		HARD TARGET			GPS/INS guided.

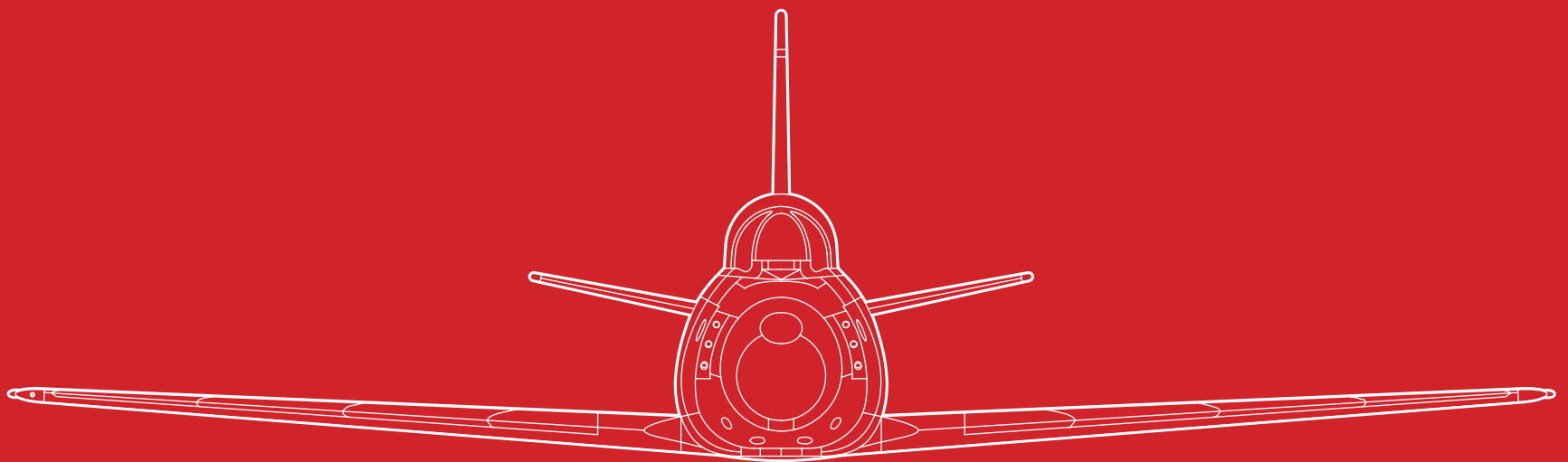
AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
HYDRA	2.75 in 70 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 7, 8	M151	SOFT TARGET	LAU-68/131	7, 14, 19, 21, 28, 38, 57, 76, 95, 114, 133, 152	High Explosive.
	MK5	HARD TARGET	LAU-68/131		High explosive Anti-Tank warhead.
WEAPON	SIZE	IMAGE			
ZUNI	5 in 127 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 3, 7, 8	MK71	SOFT TARGET	LAU-10	4, 8, 12, 16, 20, 24, 28,32	High explosive warhead.

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
BDU	TRAINING				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 7, 8	45	TRAINING TARGET	500 lbs 226.8 kg	1-10	Training smoke. Mk-82.
	45B				
2, 3, 7, 8	45LG			1-8	Training smoke. GBU-12.
WEAPON	TYPE	IMAGE			
CBU	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 7, 8	99	HARD TARGET	490 lbs 222.3 kg	1-10	High-drag HEAT.

AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
GBU	LASER GUIDED				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 7, 8	10	HARD STRUCTURE	2,000 lbs 907.2 kg	1-4	Laser guided Mk-84.
	12	MEDIUM STRUCTURE	500 lbs 226.8 kg	1-8	Laser guided Mk-82.
	16	HARD STRUCTURE	1,000 lbs 453.6 kg	1-4	Laser guided Mk-83.
	24		2,000 lbs 907.2 kg		Laser guided Mk-84 with penetrator.
	31(V)1/B				INS guided Mk-84.
	31(V)2/B				INS guided BLU-109 hardened penetration.
	31(V)3/B				
	31(V)4/B				INS-guided Mk-83.
	32(V)2/B	MEDIUM STRUCTURE	1,000 lbs 453.6 kg	1-8	INS guided Mk-82.
38	500 lbs 226.8 kg				
WEAPON	TYPE	IMAGE			
MK	HIGH & LOW DRAG				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 5, 7, 8	20	HARD TARGET	222.3 lbs 490 kg	1-10	High-drag HEAT.
	82	LIGHT STRUCTURE	500 lbs 226.8 kg		High-explosive, low-drag.
	82 SE				Mk-82 with high-drag fin kit.
	82Y				Mk-82 with higher-drag ballute kit.
	83	MEDIUM STRUCTURE	1000 lbs 453.6 kg		High-explosive, low-drag.
	84	HARD STRUCTURE	2000 lbs 907.2 kg	1-5	
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
AN/AAQ	TARGETING				
STATION	VERSION	WEIGHT	INFO		
4, 5	28 LITENING	458 lbs 207.7 kg	IR/Laser target spotting and marking pod.		
POD	TYPE	IMAGE			
AN/ASQ	TARGETING				
STATION	VERSION	WEIGHT	INFO		
4	228	336 lbs 152.4 kg	ATFLIR targeting pod.		

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
AN/ASQ	TRAINING		
STATION	VERSION	WEIGHT	INFO
1, 9	T50 TCTS	139 lbs 63 kg	Recording/simulation pod.
POD	TYPE	IMAGE	
AWW	DATA LINK		
STATION	VERSION	WEIGHT	INFO
2, 3, 5, 7, 8	13 DATALINK	752 lbs 341.1 kg	Data link pod for MitL weapons guidance.
POD	TYPE	IMAGE	
SMOKE	SMOKE		
STATION	VERSION	WEIGHT	INFO
10			Smoke pod.
FUEL TANKS			
TANK	STATION	WEIGHT	IMAGE
330 GAL	3, 5, 7	430 lbs 195 kg	

AIRCRAFT QUICK REFERENCE

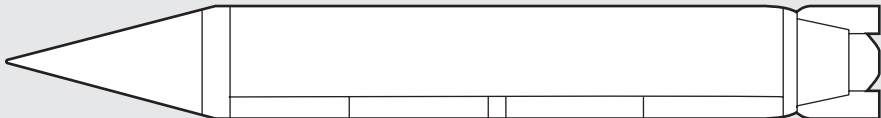
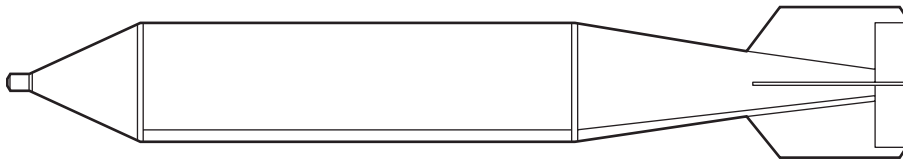
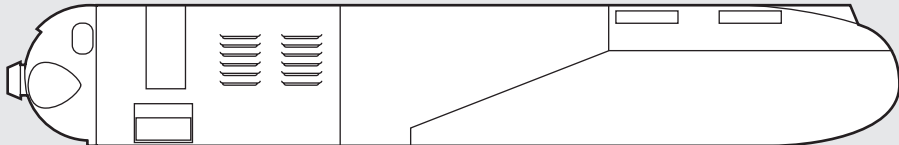



F-86F
SABRE

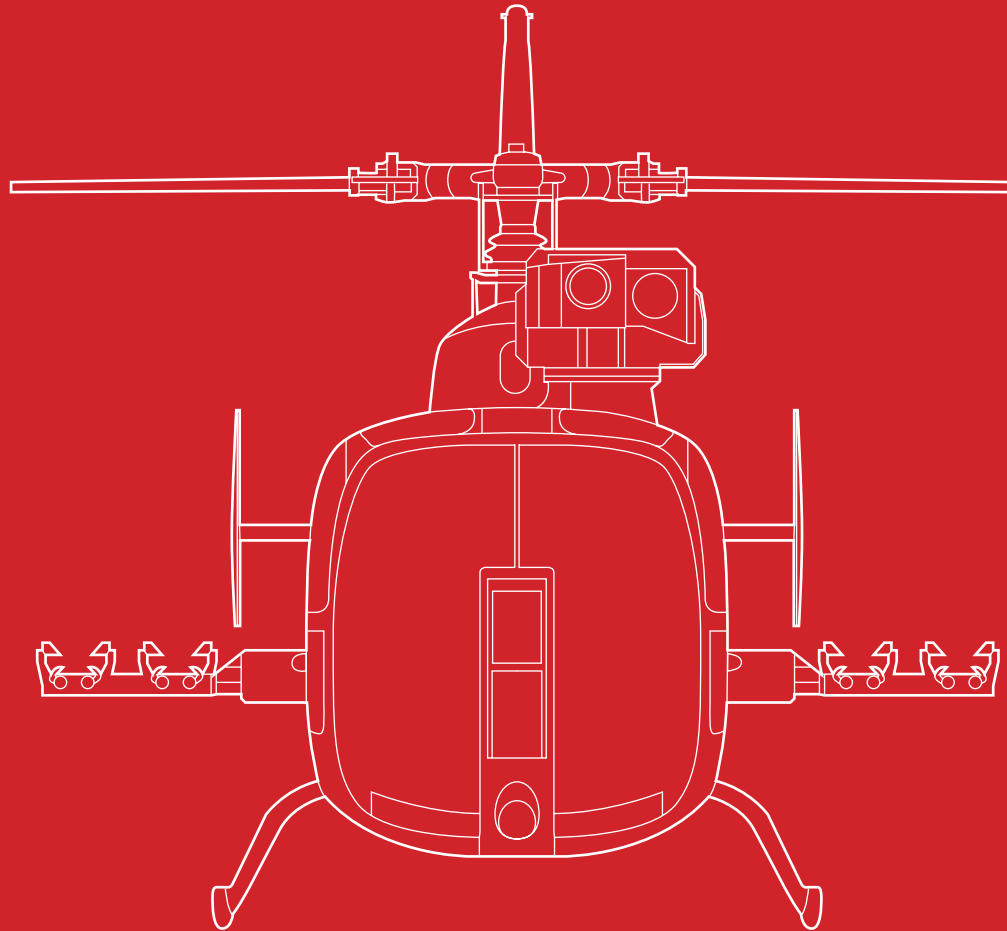
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AIR TO GROUND - BOMBS					
WEAPON	TYPE	IMAGE			
KMGU	BOMB DISPENSER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5	A0-2.5RT	SOFT TARGET	96 x 5.5 lbs 96 x 2.5 kg	1-4	Fragmentation.
	PTAB-2.5K0	MEDIUM TARGET			HEAT anti-tank.
WEAPON	TYPE	IMAGE			
RBK	CLUSTER				
STATION	VERSION	TARGET	WEIGHT	QTY	INFO
2, 3, 4, 5	250 PTAB-25K0	MEDIUM TARGET	551.2 lbs 250 kg	1-4	High-drag.
	250 A0-1Sch	SOFT TARGET			
	500 PTAB-1M	HEAVY TARGET	1,102.3 lbs 500 kg		High-drag. HEAT Anti-Tank
	500 PTAB-10-5				
	500 OAB-2.5RT	SOFT TARGET			
AIR TO GROUND - PODS					
POD	TYPE	IMAGE			
GUV	GUN				
STATION	VERSION	WEIGHT	INFO		
2, 3, 4, 5	AP-30	604 lbs 274 kg	30mm automatic grenade launcher.		
3, 4	YakB GSHP	996 lbs 451.8 kg	2×7.62mm + 1×12.7mm machine gun pod.		
FUEL TANKS					
TANK	STATION	WEIGHT	IMAGE		
PTB 450	2, 3, 4, 5	243 lbs 110.2 kg			

AIRCRAFT QUICK REFERENCE



**SA342
GAZELLE**

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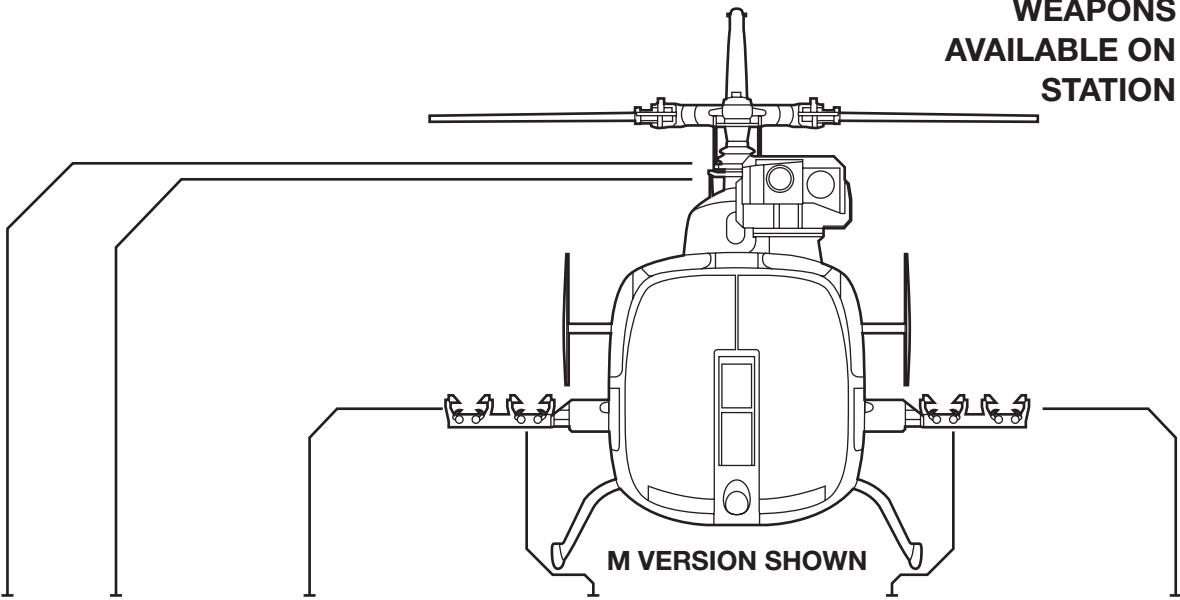
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SA342 GAZELLE

WEIGHT	CLEAN	3,704 LBS
	MAX	4,640 LBS
TAKE OFF	TORQUE	100%
	CLIMB	120 KPH
LANDING	TO HOVER	120 KPH
		100 M/Min
	50 M	70 KPH
TOP SPEED	LAND	0 KPH
	CRUISE	270 KPH
	TOP	310 KPH
MAX ALTITUDE		16,400 FT
MAX G		3
MAX BANK		45 DEG
GUN	240 ROUND***	
COUNTER MEASURES	CHAFF	0
	FLARE	32

ALL	MISTRAL	M	L
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WEAPONS | 1 ●
AVAILABLE ON
STATION



STATION		6	5	1	3	4	2
AIR TO AIR MISSILES	MISTRAL			●	●	●	●
AIR TO GROUND MISSILES	HOT3			●	●	●	●
ROCKETS	SNEB						●
PODS	IR DEFLECTOR	●					
	SAND FILTER		●				

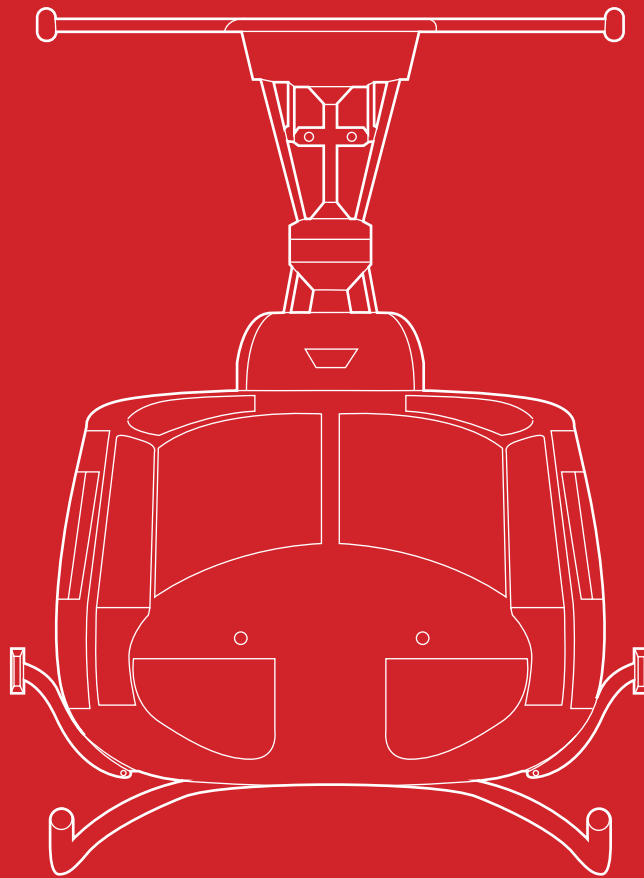
AIR TO AIR WEAPONS							
WEAPON	TYPE	IMAGE				NAME	RANGE
MISTRAL	INFRARED						SHORT
STATION	VERSION	MAX RNG	ASPECT	QTY	YR	INFO	
1-4		4 nm 7 km	ALL	1-4	1988	Laser proximity or impact triggered.	

AIR TO GROUND MISSILES							
WEAPON	TYPE	IMAGE				NAME	
HOT3	RADIO GUIDED						
STATION	VERSION	MAX RNG	TARGET	QTY	YR	INFO	
1-4		2.2 nm 4 km	ANTI-ARMOR	1-4	1977	High subsonic, optical, remote-guided, tube launched.	

AIR TO GROUND - ROCKETS							
WEAPON	SIZE	IMAGE					
SNEB	2.7 in 68 mm						
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO		
2		SOFT TARGET	BI-8	8	Lightly armored targets		

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
IR DEFLECTOR			
STATION	VERSION	WEIGHT	INFO
6		11 lbs	Infrared deflector on engine exhaust.
POD	TYPE	IMAGE	
SAND FILTER			
STATION	VERSION	WEIGHT	INFO
5	PYLON	33 lbs	Sand filter for engine intake.

AIRCRAFT QUICK REFERENCE



**UH-1H
HUEY**

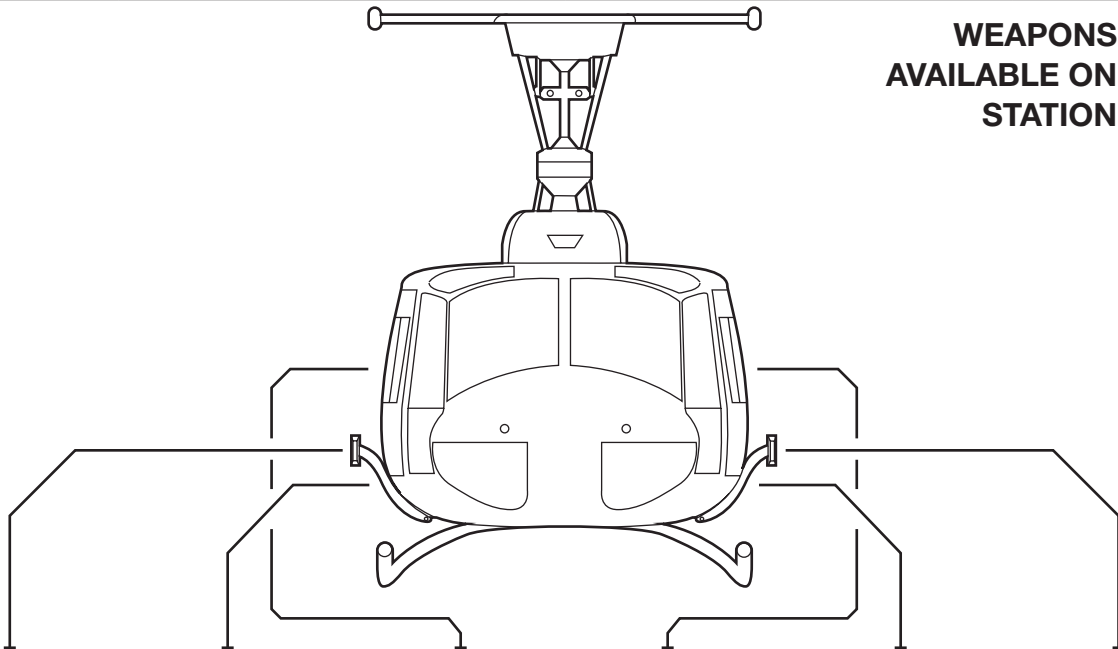
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UH-1H HUEY

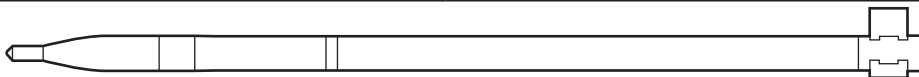
WEIGHT	CLEAN	6,356 LBS
	MAX	9,502 LBS
TAKE OFF	RPM	6,600
	CLIMB	60 KTS
LANDING	TO HOVER	80 KTS
		500 FT/M
	LAND	30 KTS
TOP SPEED	CLIMB	70 KTS
	CRUISE	90 KTS
MAX ALTITUDE		14,200 FT
MAX G		3
MAX BANK		45 DEG
GUN	NA	
COUNTER MEASURES	CHAFF	0
	FLARE	60

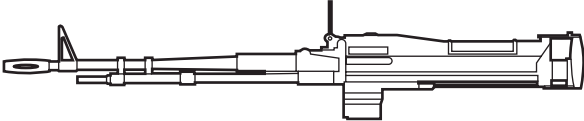
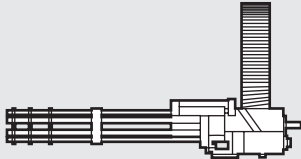


WEAPONS
AVAILABLE ON
STATION

1 ●

STATION			6	5	4	3	2	1
ROCKETS	HYDRA	M151		●			●	
		M156		●			●	
		M257		●			●	
		M274		●			●	
		MK1		●			●	
		MK5		●			●	
PODS	M60				●	●		
	M134	PYLON	●					●
		WINDOW			●	●		

AIR TO GROUND - ROCKETS					
WEAPON	SIZE	IMAGE			
HYDRA	2.75 in 70 mm				
STATION	VERSION	TARGET	LAUNCHER	QTY	INFO
2, 5	M151	SOFT TARGET	M261 / XM158	7, 14, 19, 38	High Explosive.
	M156	TARGET MARKING			White phosphorus.
	M257				Parachute illumination.
	M274				Parachute smoke.
	MK1	SOFT TARGET			Unarmored targets. Blast frag.
	MK5	HARD TARGET			High explosive AT warhead.

AIR TO GROUND - PODS			
POD	TYPE	IMAGE	
M60	GUN		
STATION	VERSION	WEIGHT	INFO
3, 4		311 lbs 141.1 kg	
POD	TYPE	IMAGE	
M134	GUN		
STATION	VERSION	WEIGHT	INFO
1, 6	PYLON	322 lbs 146 kg	7.62mm Minigun emplacement.
3, 4	WINDOW	595 lbs 269.9 kg	

MAPS

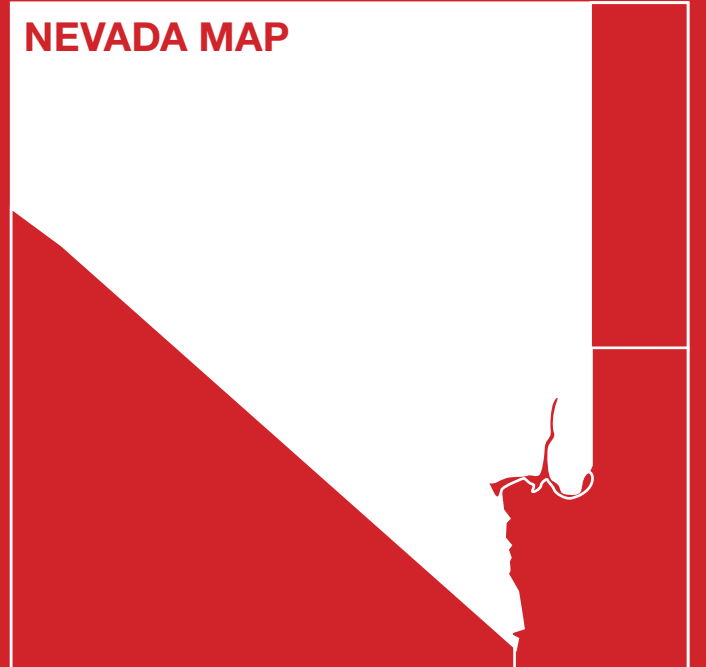
CAUCASUS



MARIANA ISLANDS



NEVADA MAP



PERSIAN GULF



SYRIA

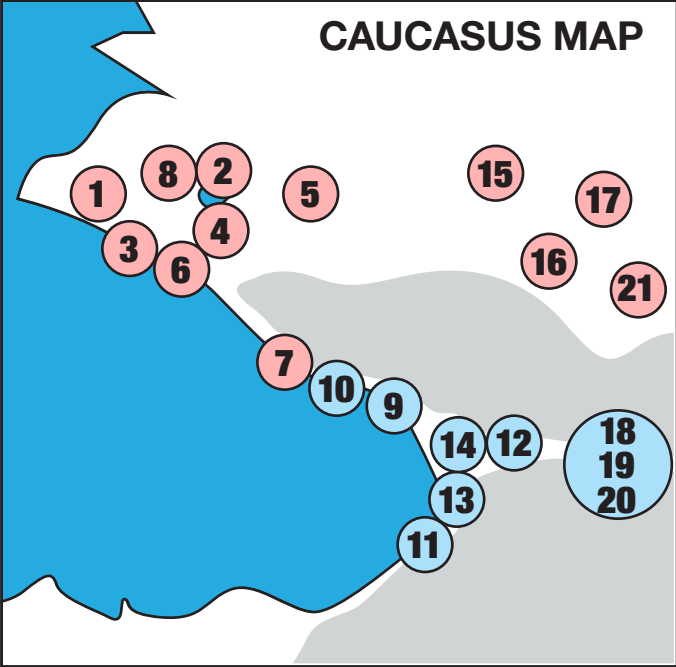


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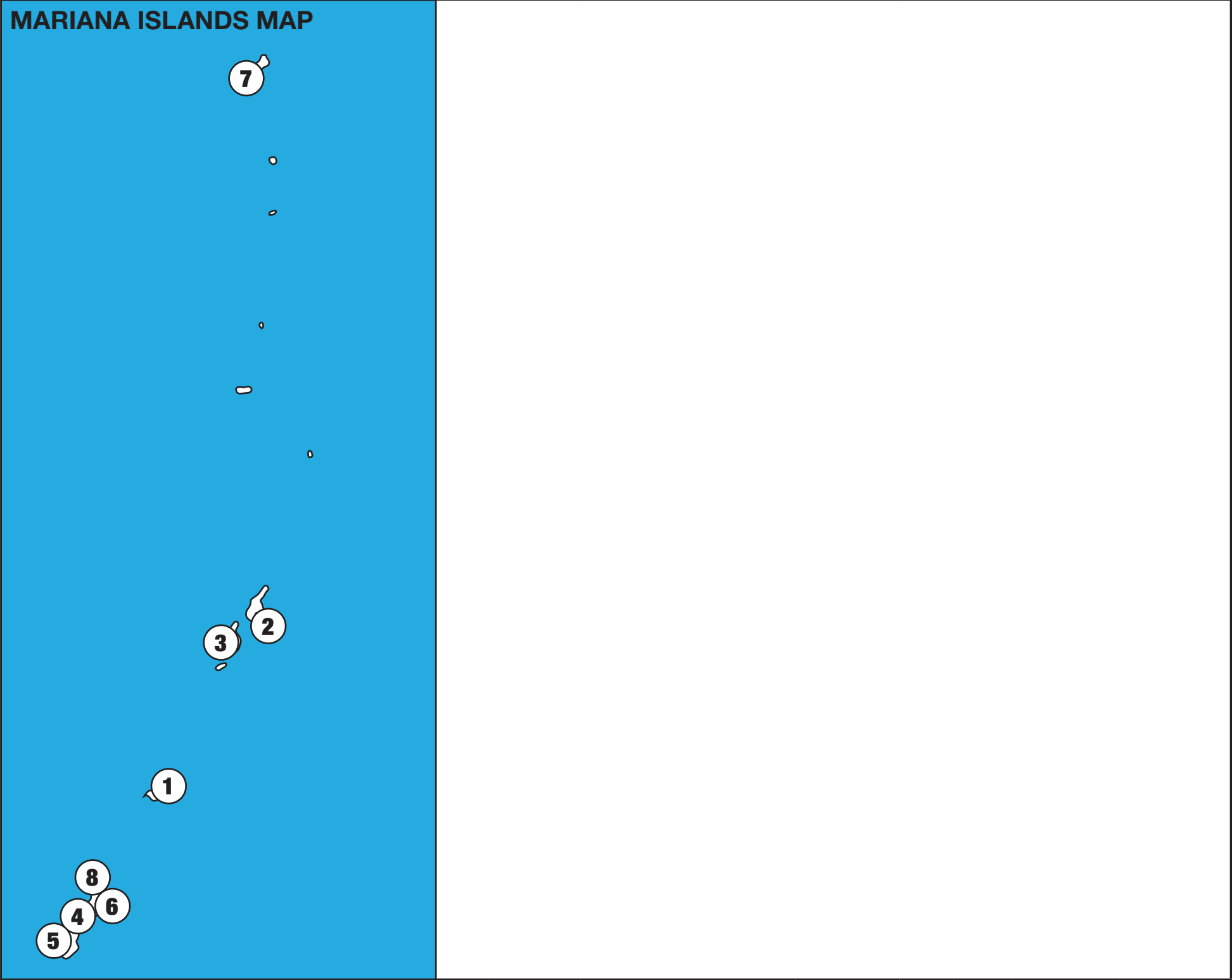
<div> <div>REDFOR</div> <div>BLUFOR</div> </div>		CAUCASUS AIRFIELDS											
	ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS PRMG	HDG	LOC
	1	ANAPA-VITYAZEVO	N45°00'18" E37°20'53"	141FT 43M	121.00 250.00	3.750 38.40			035° 215°	04 22		↖↗	
	2	KRASNODAR-CENTER	N45°05'13" E38°56'25"	98FT 30M	122.00 251.00	3.800 38.60		40	081° 261°	09 27	38	↗	
	3	NOVOROSSIYSK	N44°40'05" E37°46'42"	131FT 40M	123.00 252.00	3.850 38.80			036° 212°	04 22	SHORT RUNWAY	↗	
	4	KRYMSK	N44°58'04" E37°59'42"	66FT 21M	124.00 253.00	3.900 39.00	28		033° 220°	04 23	26 26	↖↗	
	5	MAYKOP-KHANSKAYA	N44°40'52" E40°02'08"	591FT 180M	125.00 254.00	4.450 41.20	34		032° 212°	04 22	36	↗	
	6	GELENDZHIK	N44°34'22" E38°00'42"	72FT 22M	126.00 255.00	4.000 39.40	1000	114.30	034° 214°	01 19	SHORT RUNWAY	→	
	7	SOCHI-ADLER	N43°26'39" E39°56'28"	98FT 30M	127.00 256.00	4.050 39.60			056° 236°	06 24	111.10	↗	
	8	KRASODAR-PASHKOVSKY	N45°02'16" E39°11'18"	112FT 35M	128.00 257.00	4.100 39.80		115.80	040° 220°	05 23		↖↗	
	9	SUKHUMI-BABUSHARA	N42°51'40" E41°07'31"	43FT 14M	129.00 258.00	4.150 40.00			111° 291°	12 30		↖↗	
	10	GUDAUTA	N43°06'31" E40°34'11"	69FT 22M	130.00 259.00	4.200 40.20			145° 325°	15 33		↗	
	11	BATUMI	N41°36'34" E41°36'01"	33FT 11M	131.00 260.00	4.250 40.40	16X 430		120° 300°	13 31	110.30	→	
	12	SENAKI-KOLKHI	N42°14'27" E42°02'53"	43FT 14M	132.00 261.00	4.300 40.60	31X		089° 269°	09 27	108.90	→	
	13	KOBULETI	N41°55'47" E41°51'48"	59FT 18M	133.00 262.00	4.350 40.80	67X		064° 244°	07 25	111.50	↖↗	
	14	KUTAIISI	N42°10'39" E42°28'53"	148FT 46M	134.00 263.00	4.400 41.00	44X	113.60	068° 248°	07 25	109.75	↗	
	15	MINERALNYE VODY	N44°13'40" E43°04'53"	1050FT 320M	135.00 264.00	4.450 41.20		117.10	109° 289°	12 30	111.70 109.30	↖↗	
	16	NALCHIK	N43°30'51" E43°38'13"	1411FT 430M	136.00 265.00	4.500 41.40			049° 229°	06 24	110.50	↖	
	17	MOZDOK	N43°47'30" E44°36'21"	509FT 156M	137.00 266.00	4.550 41.60	20		077° 257°	08 26	22 22	↖↗	
	18	TBILISI-LOCHINI	N41°40'01" E44°57'23"	1575FT 480M	138.00 267.00	4.600 41.80	25X	113.70	122° 302°	13 31	110.30 108.90	↖↗	
	19	SOGANLUG	N41°38'58" E44°56'18"	1500FT 458M	139.00 268.00	4.650 42.00	25X		126° 306°	14 32		↖↗	
	20	VAZIANI	N41°37'44" E45°01'38"	1526FT 466M	140.00 269.00	4.700 42.20	22X		130° 310°	13 31	108.75 108.75	↖↗	
	21	BESLAN	N43°12'20" E44°36'21"	1722FT 525M	141.00 270.00	4.750 42.40			086° 266°	10 28	110.50	↖	



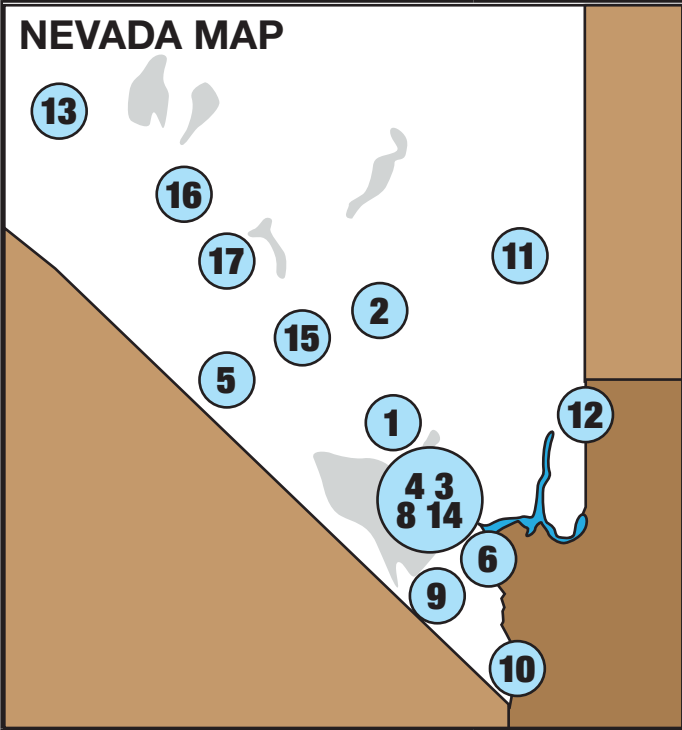
VOR beacons on Caucasus do not have DME.

MARIANA ISLAND AIRFIELDS													
ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS PRMG	HDG	LOC	
1	ROTA	N14°10'27" E145°14'27"	569FT 173M	123.60 250.00	3.750 38.40	332		093°	09		↔		
								273°	27				
2	SAIPAN	N15°07'08" E145°43'44"	213FT 65M	125.70 256.90	3.775 38.45	312		069°	06		↔↗		
								249°	24				
								069°	07	109.90			
								249°	25				
3	TINIAN	N14°59'57" E145°37'09"	284FT 87M	123.65 250.05	3.800 38.50			080°	08		↔		
								260°	26				
4	ANTONIO B. WON PAT	N13°29'05" E144°47'49"	255FT 86M	118.10 340.20	3.825 38.55	105X 385	115.80	066°	06L	110.30	↕		
								246°	24R				
								066°	06R	110.90			
								246°	24L				
5	OLF OROTE	N13°26'17" E144°38'32"	94FT 29M	CLOSED, LANDABLE HELI / STOL				067°	XX	SHORT RUNWAY	↗		
								247°	XX				
6	ANDERSON AFB	N13°34'54" E144°55'51"	606FT 185M	126.20 250.10	3.850 38.60	54X		067°	06L	109.30	↕		
								247°	24R	109.35			
								067°	06R	110.10			
								247°	24L	110.15			
7	PAGAN	N18°07'23" E145°45'45"	49FT 15M	GRASS AIRSTRIP HELI / STOL				056°	XX	SHORT RUNWAY	↗		
								236°	XX				
8	NORTH WEST FIELD	N13°37'30" E144°51'29"	522FT 160M	CLOSED, LANDABLE				064°	XX		↔		
								244°	XX				

MARIANA ISLANDS MAP

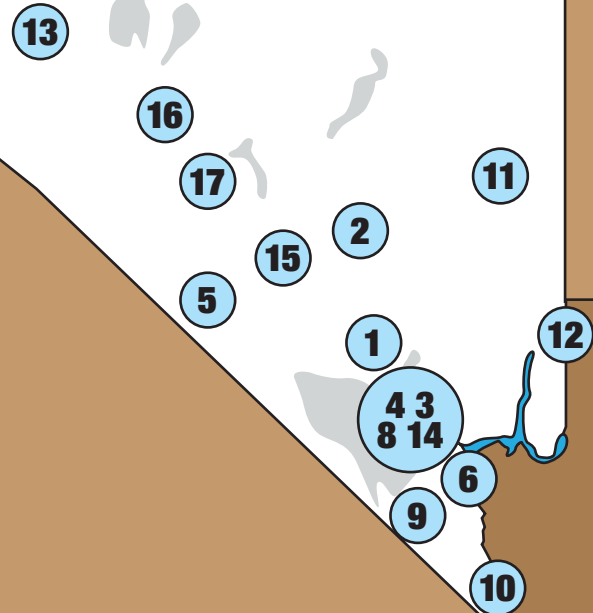




















NEVADA AIRFIELDS														
ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS PRMG	HDG	LOC		
1	CREECH AFB	N36°18'01" W115°40'35"	3127FT 954M	118.30 360.60	3.825 38.55	87X		081°	08	108.70				
								261°	26					
								135°	13	108.30				
								315°	31					
2	GROOM LAKE AFB	N37°14'00" W115°47'32"	4495FT 1370M	118.00 250.05	3.850 38.60	18X		146°	14L					
								326°	32R	109.30				
								146°	14R	CLOSED				
								326°	32L					
3	MCCARRAN INTL.	N36°04'35" W115°08'40"	2178FT 664M	119.90 257.80	3.875 38.65	116X	116.90	013°	01L					
								193°	19R					
								013°	01R					
								193°	19L					
								078°	07L					
								258°	25R	110.30				
								078°	07R					
								258°	25L	111.75				
4	NELLIS AFB	N36°14'06" W115°01'58"	1857FT 566M	132.55 327.00	3.900 38.70	12X		030°	03L					
		N36°14'.612" W115°01'.436"						210°	21R					
								030°	03R					
								210°	21L	109.10				
5	BEATTY	N36°51'39" W116°47'11"	3173FT 968M			94X	114.70	169°	16	SHORT RUNWAY				
								349°	34					
6	BOULDER CITY	N35°56'55" W114°51'42"	2205FT 672M			114X	116.70	088°	09	SHORT RUNWAY				
								268°	27					
								154°	15					
								334°	33					
7	ECHO BAY	N36°18'39" W114°27'50"	1549FT 473M					067°	06	SHORT RUNWAY				
								247°	24					
8	HENDERSON EXEC.	N35°58'20" W115°08'07"	2493FT 760M	125.10 250.10	3.925 38.75			169°	17L	SHORT RUNWAY				
								349°	35R					
								169°	17R					
								349°	35L					
9	JEAN	N35°46'09" W115°19'465"	2825FT 861M					020°	02L	SHORT RUNWAY				
								200°	20R					
								020°	02R					
								200°	20L					
10	LAUGHLIN, AZ	N35°09'21" W114°33'34"	673FT 206M	123.90 250.00	3.750 38.40			165°	16					
								345°	34					
11	LINCOLN COUNTY	N37°47'14" W114°25'11"	4816FT 1468M					171°	17	SHORT RUNWAY				
								351°	35					

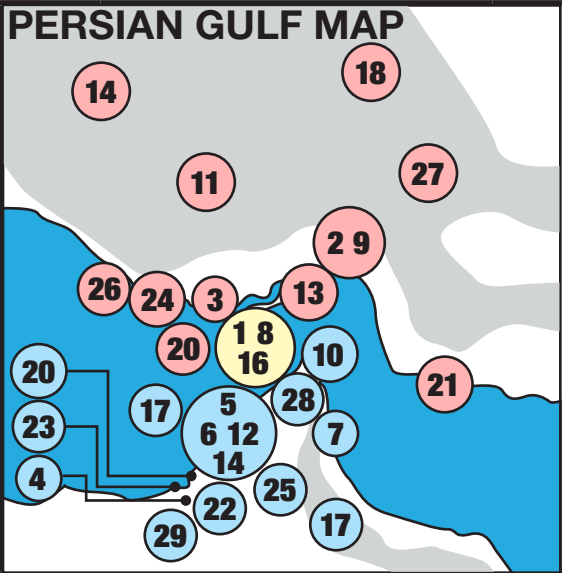


NEVADA AIRFIELDS												
ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS PRMG	HDG	LOC
12	MESQUITE	N36°49'59" W115°08'40"	1857FT 566M					017° 197°	01 19	SHORT RUNWAY	↕	
13	MINA	N38°22'47" W118°05'48"	4560FT 1390M					141° 321°	13 31	SHORT RUNWAY	↗	
14	NORTH LAS VEGAS	N36°12'35" W115°11'47"	2228FT 679M	125.70 327.00	3.900 38.45			076°	07	SHORT RUNWAY	↔	
								256°	25			
								123°	12L	110.70	↖	
								303°	30R	SHORT RUNWAY	↗	
								123°	12R			
303°	30L											
15	PAHUTE MESA	N36°06'07" W116°18'46"	5059FT 1542M					183°	18	SHORT RUNWAY	↕	
								003°	36			
16	TONOPAH AIRPORT	N38°03'29" W117°05'22"	5390FT 1643M			119X	117.20	114°	11	SHORT RUNWAY	↗	
								294°	29			
								154°	15		↖	
								334°	33			
17	TONOPAH TEST RANGE	N37°47'55" W116°46'50"	5535FT 1687M	124.75 257.95	3.800 38.50	77X	113.00	146°	14	108.30	↖	
								326°	32	111.70		

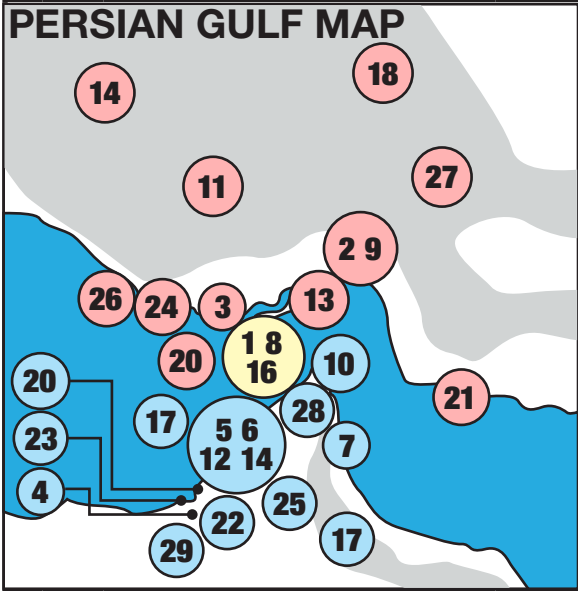
NEVADA MAP





















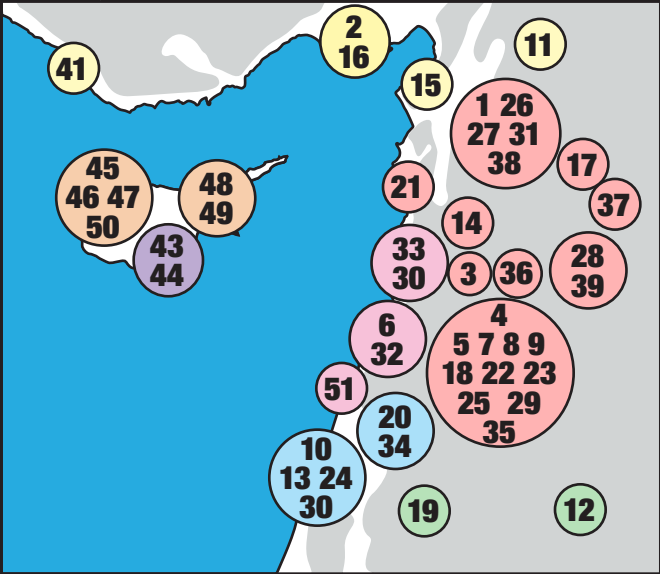
	REDFOR	BLUFOR	CONTESTED	PERSIAN GULF AIRFIELDS									
	ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS PRMG	HDG	LOC
	1	ABU MUSA ISLAND	N25°52'33" E55°01'58"	16FT 5M	122.90 250.40	3.975 38.85			083° 263°	08 26		↔	
	2	BANDAR ABBAS	N27°13'03" E56°22'44"	20FT 6M	118.10 251.00	4.250 39.40	78X 250	117.20	027° 207°	12L 12R 30L 30R	110.10 109.50 110.90 111.30	↕↕	
	3	BANDAR LENGEH	N26°31'56" E54°49'28"	82FT 25M	121.70 251.05	4.275 39.45	408	114.80	079° 259°	08 26		↔	
	4	AL DHAFRA AFB	N24°14'53" E54°32'51"	52FT 16M	126.50 251.10	4.300 39.50	96X	114.90	127° 307°	13L 13R 31L 31R	111.10 108.70 109.10 108.70	↕↕	
	5	DUBAI	N25°15'22" E55°21'54"	16FT 5M	118.75 251.15	4.325 39.55			121° 301°	12L 12R 30L 30R	110.10 109.50 110.90 111.30	↕↕	
	6	AL MAKTOUM	N24°53'49" E55°09'36"	125FT 39M	118.60 250.10	3.800 38.50			121° 301°	12 30	111.75 109.75	↕	
	7	FUJAIRAH	N25°06'39" E56°19'38"	121FT 37M	124.60 251.25	4.375 39.65		113.80	112° 292°	11 29	 111.50	↕	
	8	TUNB ISLAND AFB	N26°15'31" E55°18'56"	43FT 14M					027° 207°	03 21	SHORT RUNWAY	↗	
	9	HAVADARYA	N27°09'29" E56°10'19"	52FT 16M	123.15 251.30	4.400 39.70	47X		078° 258°	08 26	108.90	↖	
	10	KHASAB	N26°10'11" E56°14'24"	102FT 31M	124.35 250.00	3.750 38.40			013° 193°	01 19	110.30	↙	
	11	LAR	N27°40'29" E54°22'59"	2635FT 804M	127.35 250.05	3.775 38.45	224	117.90	089° 269°	09 27		↔	
	12	AL MINHAD AFB	N25°01'36" E55°21'56"	190FT 58M	118.55 250.10	3.800 38.50	99X		89° 269°	09 27	110.70 110.75	↔	
	13	QESHM ISLAND	N26°45'16" E55°54'08"	26FT 8M	118.05 250.15	3.825 38.55	223	117.10	049° 229°	05 23		↖	
	14	SHARJAH	N25°19'50" E55°31'05"	98FT 30M	118.60 250.20	3.850 38.60			122° 302°	12L 12R 30L 30R	108.55 111.95	↕↕	
	15	SIRRI ISLAND	N25°54'34" E54°32'21"	20FT 6M	135.05 250.25	3.875 38.65	300	113.75	126° 306°	12 30	SHORT RUNWAY	↗	
	16	TUNB KOCHAK	N26°14'35" E55°08'44"	16FT 5M			89X		081° 261°	08 26	SHORT RUNWAY	↔	
	17	SIR ABU NUAYR	N25°13'00" E54°14'01"	26FT 8M	118.00 250.80	3.900 38.70			099° 279°	10 28	SHORT RUNWAY	↔	
	18	KERMAN	N30°16'23" E56°57'05"	5745FT 1751M	118.25 250.30	3.925 38.75	97X	112.00	157° 337°	16 34		↕	



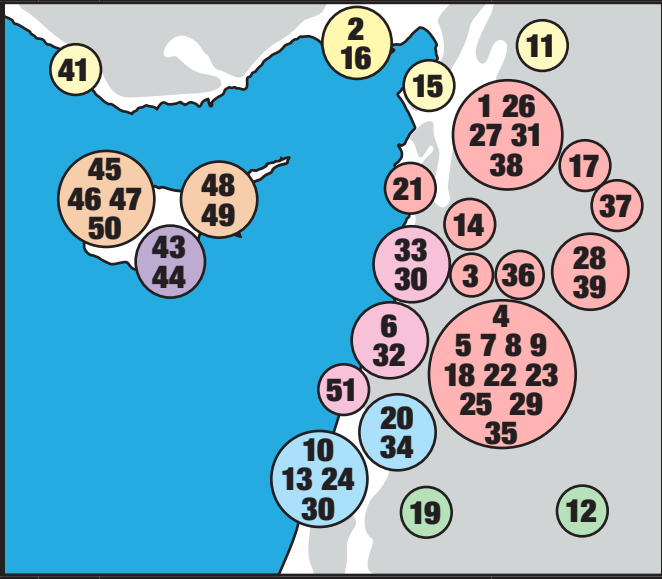
	REDFOR	BLUFOR	CONTESTED	PERSIAN GULF AIRFIELDS									
	ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS PRMG	HDG	LOC
	19	SHIRAZ	N29°32'27" E52°35'27"	4879FT 1488M	121.90 250.35	3.950 38.80	94X 205	117.80	115°	11L	108.50		
										11R			
									295°	29L			
										29R			
	20	SAS AL NAKHEEL	N24°26'27" E54°31'01"	10FT 3M	128.90 250.45	4.000 38.90		128.925	161°	16	SHORT RUNWAY		
									341°	34			
	21	BANDAR-E-JASK	N25°39'16" E57°48'05"	26FT 8M	118.15 250.50	4.025 38.95	110X 349	116.30	061°	06			
									241°	24			
	22	ABU DHABI	N24°27'13" E54°39'15"	92FT 28M	119.20 250.55	4.050 39.00		114.25	128°	13L			
										13R			
									308°	31L			
										31R			
	23	AI-BATEEN	N24°25'41" E54°27'30"	13FT 4M	119.90 250.60	4.075 39.05		114.00	128°	13			
									308°	31			
	24	KISH	N26°31'41" E53°58'51"	115FT 35M	121.65 250.65	4.400 39.10	112X 201	117.40	095°	09L			
										09R			
									275°	27L			
										27R			
	25	AL AIN	N24°15'41" E55°36'33"	814FT 249M	119.85 250.70	4.125 39.15		112.60	007°	01			
									187°	19			
	26	LAVAN ISLAND	N26°48'39" E53°21'11"	75FT 23M	128.55 250.75	4.150 39.20	310	116.85	111°	11			
									291°	29			
	27	JIROFT	N28°43'24" E57°40'30"	2664FT 812M	136.00 250.85	4.175 39.25	276		127°	13			
									307°	31			
	28	RAS AL KHAIMAN	N25°36'48" E55°56'19"	72FT 22M	121.60 250.90	4.200 39.30		113.60	164°	16			
									344°	34			
	29	LIWA AFB	N23°39'02" E53°49'27"	400FT 122M	119.30 250.95	4.225 39.35	121X	117.40	131°	13			
									311°	31			












SYRIA AIRFIELDS			CYPRUS	ISRAEL	JORDAN	LEBANON	SYRIA	TURKEY	UK				
	ID	NAME	LAT LONG	ELEV	VHF UHF	HF FM	TCN NDB	VOR RSBN	HDG	RWY	ILS	HDG	LOC
	1	ABU AL-DUHUR	N35°43'56" E37°06'15"	820FT 250M	122.20 250.45	4.000 38.90			089°	09		↔	
									269°	27			
	2	ADANA SAKIRPASA	N36°58'55" E35°16'49"	56FT 17M	121.10 251.00	4.275 39.45	395	112.70	051°	05	108.70	↗	
									231°	23			
	3	AL QUSAYR	N34°34'09" E36°34'18"	1729FT 527M	119.20 251.55	4.550 40.00			098°	10		↔	
									278°	28			
	4	AN NASIRIYAH	N33°55'07" E35°51'57"	2750FT 839M	122.30 252.00	4.775 40.45			041°	04		↗	
									221°	22			
	5	THA'L AH	N32°42'14" E35°24'49"	2414FT 736M	122.40 252.20	4.875 40.65			054°	05		↗	
									234°	23			
	6	BEIRUT RAFIC HARIRI	N33°49'40" E35°29'15"	39FT 12M	118.90 252.25	4.900 40.70	351	112.60	030°	03	110.70	↕	
									210°	21			
									164°	16	110.10		
									344°	34			
									175°	17	109.50		
	7	DAMASCUS	N33°25'31" E36°31'06"	2008FT 612M	118.50 252.30	4.925 40.75	264, 342	116.00	046°	05L		↕	
									226°	23R	109.90		
									046°	05R	111.10		
									226°	23L			
	8	MARJ AS SULTAN SOUTH	N33°29'14" E36°28'31"	2007FT 612M	122.90 252.35	4.950 40.80			HELICOPTER BASE				
	9	AI-DUMAYR	N33°36'35" E36°44'57"	2067FT 630M	123.40 250.00	3.750 38.40			062°	06		↗	
									242°	24			
	10	EYN SHEMER	N32°26'27" E35°00'27"	110FT 34M	124.35 250.00	3.750 38.40		112.40	096°	09	SHORT RUNWAY	↔	
									276°	28			
	11	GAZIANTEP	N36°56'52" E37°28'44"	2290FT 698M	120.10 250.05	3.775 38.45	432	116.70	101°	10	109.10	↔	
									281°	28			
	12	H4	N32°32'21" E38°11'42"	2257FT 688M	122.60 250.10	3.800 38.50			099°	10		↔	
									270°	28			
	13	HAIFA	N32°48'38" E35°02'36"	20FT 6M	127.80 250.15	3.825 38.55			158°	16	SHORT RUNWAY	↕	
									338°	34			
	14	HAMA	N37°07'05" E35°42'41"	984FT 300M	118.05 250.20	3.850 38.60			096°	09		↔	
									276°	27			
	15	HATAY	N36°21'44" E36°17'15"	253FT 78M	128.50 250.25	3.875 38.65	336	112.05	040°	04	108.90	↗	
									220°	22			
	16	INCIRLIK	N37°00'07" E35°25'34"	230FT 71M	122.10 360.10	3.900 38.70	21X		050°	05	109.30	↗	
									230°	23	111.70		
	17	JIRAH	N36°05'48" E37°56'10"	1173FT 358M	118.00 250.30	3.925 38.75			096°	10		↔	
									276°	28			
	18	KHALKHALAH	N33°03'48" E36°34'20"	2418FT 737M	122.50 250.35	3.950 38.80			072°	07		↗↔	
									252°	25			
									147°	15			
									327°	33			



SYRIA AIRFIELDS			CYPRUS	ISRAEL	JORDAN	LEBANON	SYRIA	TURKEY	UK			
19	KING HUSSEIN A.C.	N32°21'23" E36°15'35"	2205FT 672M	118.30 250.40	3.975 38.80			128°	13			
								308°	31			
20	KIRYAT SHMONA	N33°12'57" E35°55'45"	360FT 110M	118.40 250.50	4.025 38.95			034°	03	SHORT RUNWAY		
								214°	21			
21	BASSEL AL-ASSAD	N35°24'02" E35°56'54"	92FT 28M	118.10 252.00	4.050 39.00	414	114.80	174°	17L	109.10		
								354°	35R			
								174°	17R			
								354°	35L			
22	MARJ AS SULTAN NORTH	N33°30'00" E36°28'01"	2008FT 612M	122.70 250.60	4.075 39.05			HELICOPTER BASE				
23	MARJ RUHAYYIL	N33°17'20" E36°27'22"	2161FT 659M	120.80 250.65	4.100 39.10			059°	06			
								239°	24			
24	MEGIDDO	N32°35'49" E35°13'48"	180FT 55M	119.90 250.70	4.125 39.15			089°	09			
								269°	27			
25	MEZZEH	N33°28'40" E36°13'27"	2387FT 728M	120.70 250.75	4.150 39.20	358		057°	06			
								237°	24			
26	MINAKH	N36°31'16" E37°02'29"	1614FT 492M	120.60 250.80	4.175 39.25			097°	10	SHORT RUNWAY		
								277°	28			
27	ALEPPO	N36°10'50" E37°13'28"	1254FT 383M	119.10 250.85	4.200 39.30	358	114.50	093°	09			
								273°	27			
28	PALMYRA	N34°33'26" E38°19'00"	1325FT 404M	121.90 250.90	4.225 39.35	337		080°	08			
								260°	26			
29	QABR AS SITT	N33°27'31" E36°21'27"	2135FT 651M	122.60 250.95	4.250 39.40			HELICOPTER BASE				
30	RAMAT DAVID	N32°39'58" E35°10'37"	146FT 45M	118.90 250.95	4.300 39.50	84X 368	113.70	085°	09			
								265°	27			
								107°	11			
								287°	29			
								143°	15			
323°	33	111.10										
31	KUWEIRES	N36°11'14" E37°34'54"	1201FT 366M	120.50 251.05	4.325 39.55			097°	10			
								277°	28			
32	RAYAK	N33°51'04" E35°59'11"	3035FT 925M	124.40 251.15	4.375 39.60			042°	04			
								222°	22			
33	RENE MOUAWAD	N34°35'21" E36°00'42"	23FT 7M	121.00 251.20	4.375 39.65	450		059°	06			
								239°	24			
34	ROSH PINA	N32°58'51" E35°34'18"	914FT 279M	118.45 251.25	4.400 39.70		115.30	050°	05	SHORT RUNWAY		
								230°	23			
								148°	15			
								328°	33			
35	SAYQAL	N33°40'47" E37°12'50"	2274FT 694M	120.40 251.30	4.425 39.75			057°	05			
								237°	23			
								087°	08			
								267°	26			



SYRIA AIRFIELDS				CYPRUS	ISRAEL	JORDAN	LEBANON	SYRIA		TURKEY	UK
36	SHAYRAT	N34°29'24" E36°54'27"	2638FT 804M	120.20 251.35	4.225 39.35			108°	11		
								288°	29		
37	TABQA	N35°45'16" E38°34'00"	1099FT 335M	118.50 251.40	4.475 39.85			088°	09		
								268°	27		
38	TAFTANAZ	N35°58'26" E36°46'53"	1020FT 311M	122.80 251.45	4.500 39.90			HELICOPTER BASE			
39	TIYAS	N34°31'21" E37°37'48"	1798FT 548M	120.350 251.50	4.525 39.95			086°	09		
								266°	27		
40	WUJAH AL HAJAR	N34°16'53" E35°40'58"	641FT 196M	121.50 251.60	4.575 40.05		116.20	025°	02		SHORT RUNWAY
								205°	20		
41	GAZIPASA	N36°17'56" E32°17'54"	130FT 40M	119.25 251.65	4.600 40.10	316		081°	08	108.50	
								261°	26		
42	NICOSIA INTL.	N35°09'05" E33°16'33"	722FT 220M					144°	14	CLOSED	
								324°	32		
43	AKROTIRI	N34°35'24" E35°59'18"	69FT 21M	128.00 251.70	4.625 40.15	107X 365		107°	10		
								287°	28		
44	KINGSFIELD	N35°00'53" E33°43'01"	276FT 85M	121.00 251.75	4.650 40.20	343		060°	06		SHORT RUNWAY
								240°	24		
45	PAPHOS	N34°43'05" E35°29'05"	40FT 13M	119.90 251.80	4.675 40.25	79X 328	117.90	110°	11		
								290°	29		
46	LARNACA	N35°52'25" E33°37'26"	16FT 5M	121.20 251.85	4.700 40.30	432	112.80	044°	04		
								224°	22	110.30	
47	LAKATAMIA	N35°06'17" E33°19'17"	758FT 231M	120.20 251.90	4.725 40.35			HELICOPTER BASE			
48	ERCAN	N35°09'17" E33°30'08"	312FT 95M	120.20 251.95	4.750 40.40		117.00	111°	11		
								291°	29		
49	GECITKALE	N35°14'09" E33°43'09"	148FT 46M	120.00 252.05	4.800 40.50	435	114.30	090°	09		
								270°	27		
50	PINARBASHI	N35°16'26" E33°16'05"	771FT 235M	121.00 252.10	4.825 40.55			HELICOPTER BASE			
51	NAQOURA	N33°06'28" E35°07'38"	381FT 117M	122.00 252.15	4.850 40.60			HELICOPTER BASE			