

## **Tupolev Tu-22M**

ADCs are provided for

- Tu-22M2

Tu-22M2									Crew: Pilot, Copilot, Navigator, and Communications Officer			
									Maneuver DPs:			
LR/DR		—										
VR		—										
Turn DPs:												
		CL	1/2	DT								
TT		2.0	2.0	2.5 <th colspan="4"></th>								
HT		3.0	3.0	3.5 <th colspan="4"></th>								
BT		3.5	3.5	4.0 <th colspan="4"></th>								
ET		—	—	— <th colspan="4"></th>								
					No rolling maneuvers allowed.							

Speeds and Ceilings						Climb Capabilities										
Alt. Band	Conf. Ceil.	CL 40		1/2 37		DT 35		Dive Speed		CL AB Oth		1/2 AB Oth		DT AB Oth		
EH+	46+	—		—		—		—		— —		— —		— —		EH+
VH	36–45	3.0 – 3.5		3.0 – 3.5		—		3.5		0.50 0.25		0.50 0.00		— —		VH
HI	26–35	2.5 – 3.5		3.0 – 3.5		3.0 – 3.5		3.5		1.00 0.50		1.00 0.25		0.50 0.25		HI
MH	17–25	2.5 – 3.5		2.5 – 3.5		3.0 – 3.5		3.5		2.00 1.00		1.00 0.50		0.50 0.25		MH
ML	8–16	2.0 – 3.5		2.5 – 3.5		2.5 – 3.5		3.5		2.50 1.00		1.50 0.50		1.00 0.25		ML
LO	0–7	2.0 – 3.5		2.0 – 3.5		2.5 – 3.5		3.5		3.00 1.50		2.00 1.00		1.00 0.50		LO

<b>Radar:</b> PN-A <b>ECCM:</b> 2 <b>Arcs:</b> 180+ <b>Search:</b> Gr. Nav. (300) <b>Track:</b> Gr. Attack (180) <b>Lock-On:</b> 7	<b>ECM:</b> IFF <b>RWR:</b> B <b>DDS:</b> B <b>DJM:</b> — <b>AJM:</b> B3 <b>BJM:</b> B4	<b>Weapon Stations Diagram:</b>												
<b>Guns:</b> Two 23 mm GSh-23 <b>To Hit:</b> 5/3/1 <b>Ammunition:</b> 4.0 <b>Gunsight:</b> — <b>Ranging:</b> — <b>AtA/AtG:</b> 5/-	<b>Technology:</b> None													
<b>Bomb System:</b> Ballistic		<b>Load Point Limits:</b> CL : <41 1/2: <59 <b>Weight Limit:</b> 47,000 DT : ≥59												
<b>Notes:</b> 1. The Tupolev Tu-22M2 is a bomber and maritime strike aircraft. The NATO reporting name for the aircraft is Backfire-B and for the radar is Down Beat. 2. This is a variable-geometry aircraft with allowed geometries of forward, mid, and aft. The geometry may be changed at the end of the aircraft's move if the maximum turn rate used is TT or less. The data shown here are for the forward geometry. 3. DDS capacity is 100 decoys. 4. Tail Radar. Equipped with a Argon-2 tail radar with ECCM 1, arc 60–, search 30-7, track 12-7, and lock-on 7–. 5. Articulated Guns. The guns can only fire at locked-on targets in the 30– arc. They may return fire twice per game turn in response to gun attacks or conduct one attack. The hit rolls are modified only by the target size.		<table border="1"> <thead> <tr> <th>Station</th> <th>Limit</th> <th>Allowed Loads</th> </tr> </thead> <tbody> <tr> <td>1 and 5</td> <td>12,000</td> <td>BB ASM NAM MR</td> </tr> <tr> <td>2 and 4</td> <td>6,800</td> <td>BB MR</td> </tr> <tr> <td>3</td> <td>19,000</td> <td>BB ASM NAM</td> </tr> </tbody> </table> <b>Load Notes:</b> 1. Stations 1 and 5 are the wing-glove stations. They may each carry: (a) one Kh-22M/MA (AS-4 Kitchen) ASM/NAM, (b) nine FAB-250 BBs on a MR, (c) six FAB-500 BBs on a MR, (d) one FAB-1500 BB, or (e) one FAB-3000 BB. 2. Stations 2 and 4 are the fuselage external stations. They may carry the same bomb loads as stations 1 and 5. 3. Station 3 is the internal bay. It may carry: (a) one Kh-22M/AM (AS-4 Kitchen) ASM/NAM, (b) thirty-three FAB-250 BBs, (c) eighteen FAB-500 BBs, (d) six FAB-1500 BBs, or (e) naval mines. 4. As an exception to the normal rules for load points, internal loads contribute 1 load point for each 1,000 of weight and internal fuel contributes 1 load point for each 50 fuel points. A return mission will typically require leaving the target with at least 2000 fuel points (40 load points).	Station	Limit	Allowed Loads	1 and 5	12,000	BB ASM NAM MR	2 and 4	6,800	BB MR	3	19,000	BB ASM NAM
Station	Limit	Allowed Loads												
1 and 5	12,000	BB ASM NAM MR												
2 and 4	6,800	BB MR												
3	19,000	BB ASM NAM												
<b>VPs:</b> 46/31/15/8		v3 0000000 0000-00-00T00:00:00												

Tu-22M2										Crew: Pilot, Copilot, Navigator, and Communications Officer							
										Maneuver DPs:							
LR/DR —																	
VR —																	
Turn DPs:																	
Power APs/DPs: ○○					CL 1/2 DT					TT 2.0 2.5 2.5							
					AB 2.5 2.0 1.0 24.0					HT 3.0 3.5 3.5							
					M 1.5 1.0 0.5 11.0					BT 3.5 4.0 4.0							
					N 0.0 0.0 0.0 5.0					ET — — —							
					I 1.0 1.0 2.0 0.0												
SPBR 1.0 2.0 2.0 —					Cruise Spd. 5.5 Restr. Arcs: -					CL: 60–							
					Climb Spd.: 4.0 Blind Arcs: 60–					TT 2.0 2.5 2.5							
					Visibility: 11 Internal Fuel: 5900					HT 3.0 3.5 3.5							
					Size: –2 AtA Refuel: Yes					BT 3.5 4.0 4.0							
					Vulnerability: +1 Ejection Seat: Early					ET — — —							
										No rolling maneuvers allowed.							
Speeds and Ceilings						Climb Capabilities											
Alt. Band	Conf. Ceil.	CL 40	1/2 37	DT 35	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth									
EH+	46+	—	—	—	—	— —	— —	— —	EH+								
VH	36–45	3.0 – 6.0	3.0 – 6.0	—	6.0	0.50 0.25	0.50 0.00	— —	VH								
HI	26–35	2.5 – 6.0	3.0 – 6.0	3.0 – 6.0	6.5	1.00 0.50	1.00 0.25	0.50 0.25	HI								
MH	17–25	2.5 – 6.0	2.5 – 6.0	3.0 – 6.0	6.5	2.00 1.00	1.00 0.50	0.50 0.25	MH								
ML	8–16	2.0 – 6.0	2.5 – 6.0	2.5 – 6.0	7.0	2.50 1.00	1.50 0.50	1.00 0.25	ML								
LO	0–7	2.0 – 6.0	2.0 – 6.0	2.5 – 6.0	7.0	3.00 1.50	2.00 1.00	1.00 0.50	LO								
Radar: PN-A											ECM: IFF		Weapon Stations Diagram:				
ECCM:		2		RWR:		B											
Arcs:		180+		DDS:		B											
Search:		Gr. Nav. (300)		DJM:		—											
Track:		Gr. Attack (180)		AJM:		B3											
Lock-On:		7		BJM:		B4											
Guns: Two 23 mm GSh-23				Technology:				Load Point Limits:				CL : <41					
To Hit: 5/3/1				None								1/2: <59					
Ammunition: 4.0								Weight Limit: 47,000				DT : ≥59					
Gunsight: —								Station Limit Allowed Loads									
Ranging: —								1 and 5 12,000 BB ASM NAM MR									
AtA/AtG: 5/-								2 and 4 6,800 BB MR									
Bomb System: Ballistic								3 19,000 BB ASM NAM									
Notes:											Load Notes:						
1. The Tupolev Tu-22M2 is a bomber and maritime strike aircraft. The NATO reporting name for the aircraft is Backfire-B and for the radar is Down Beat.											1. Stations 1 and 5 are the wing-glove stations. They may each carry: (a) one Kh-22M/MA (AS-4 Kitchen) ASM/NAM, (b) nine FAB-250 BBs on a MR, (c) six FAB-500 BBs on a MR, (d) one FAB-1500 BB, or (e) one FAB-3000 BB.						
2. This is a variable-geometry aircraft with allowed geometries of forward, mid, and aft. The geometry may be changed at the end of the aircraft’s move if the maximum turn rate used is TT or less. The data shown here are for the mid geometry.											2. Stations 2 and 4 are the fuselage external stations. They may carry the same bomb loads as stations 1 and 5.						
3. High transonic drag (HTD). Rapid acceleration (RA).											3. Station 3 is the internal bay. It may carry: (a) one Kh-22M/AM (AS-4 Kitchen) ASM/NAM, (b) thirty-three FAB-250 BBs, (c) eighteen FAB-500 BBs, (d) six FAB-1500 BBs, or (e) naval mines.						
4. DDS capacity is 100 decoys.											4. As an exception to the normal rules for load points, internal loads contribute 1 load point for each 1,000 of weight and internal fuel contributes 1 load point for each 50 fuel points. A return mission will typically require leaving the target with at least 2000 fuel points (40 load points).						
5. Tail Radar. Equipped with a Argon-2 tail radar with ECCM 1, arc 60–, search 30-7, track 12-7, and lock-on 7–.																	
6. Articulated Guns. The guns can only fire at locked-on targets in the 30– arc. They may return fire twice per game turn in response to gun attacks or conduct one attack. The hit rolls are modified only by the target size.																	
VPs: 46/31/15/8						v3 0000000 0000-00-00T00:00:00											

Tu-22M2										Crew: Pilot, Copilot, Navigator, and Communications Officer							
										Maneuver DPs:							
LR/DR —																	
VR —																	
Turn DPs:																	
Power APs/DPs: ○○					CL 1/2 DT					TT 2.75 2.75 3.25							
CL 1/2 DT Fuel					AB 2.5 2.0 1.0 24.0					HT 3.75 3.75 4.25							
M 1.5 1.0 0.5 11.0					N 0.0 0.0 0.0 5.0					BT 4.75 5.25 5.25							
I 1.0 1.0 2.0 0.0					SPBR 1.0 2.0 2.0 —					ET — — —							
					Cruise Spd. 5.5 Restr. Arcs: -					No rolling maneuvers allowed.							
					CL:												
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					Visibility: 11 Internal Fuel: 5900												
					Size: –2 AtA Refuel: Yes												
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Speeds and Ceilings						Climb Capabilities											
Alt. Conf.		CL		1/2		DT		Dive		CL		1/2		DT			
Band Ceil.		40		37		35		Speed		AB Oth		AB Oth		AB Oth			
EH+ 46+		—		—		—		—		— —		— —		— —		EH+	
VH 36–45		3.5 – 11.0		3.5 – 9.5		—		15.0		0.50 0.25		0.50 0.00		— —		VH	
HI 26–35		3.0 – 10.0		3.5 – 9.0		3.5 – 8.0		14.0		1.00 0.50		1.00 0.25		0.50 0.25		HI	
MH 17–25		3.0 – 9.0		2.5 – 8.5		3.5 – 7.5		13.0		2.00 1.00		1.00 0.50		0.50 0.25		MH	
ML 8–16		2.5 – 8.5		3.0 – 8.0		3.0 – 7.0		12.0		2.50 1.00		1.50 0.50		1.00 0.25		ML	
LO 0–7		2.5 – 8.5		2.5 – 8.0		3.0 – 7.0		11.0		3.00 1.50		2.00 1.00		1.00 0.50		LO	
Radar: PN-A					ECM: IFF					Weapon Stations Diagram:							
ECCM: 2					RWR: B												
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Gunsight: —																	
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2. This is a variable-geometry aircraft with allowed geometries of forward, mid, and aft. The geometry may be changed at the end of the aircraft's move if the maximum turn rate used is TT or less. The data shown here are for the aft geometry.																	
3. High bleed rate (HBR). Low transonic drag (LTD). Poor supersonic maneuverability (PSSM). Rapid acceleration (RA).																	
4. DDS capacity is 100 decoys.																	
5. Tail Radar. Equipped with a Argon-2 tail radar with ECCM 1, arc 60–, search 30-7, track 12-7, and lock-on 7–.																	
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