

## Douglas AD/A-1 Skyraider

The Douglas AD Skyraider is a carrier-capable attack aircraft. Its development started during WWII, but it entered service with the USN in 1946. It was a large, single-engined propeller-driven aircraft. In 1962, it was redesignated as the A-1.

The Skyraider was initially armed with two 20 mm M3 cannon in the wings, but after experience in the early part of the Korean War this was increased to four in the AD-4 and subsequent versions. Later versions also had additional armor. It could also carry a heavy load on its centerline and underwing weapon stations.

In addition to the attack versions, it was adapted for radar search, anti-submarine, night attack, ECM, and night attack.

Early versions were a mainstay of the USN in the Korean War and later versions served in early part of the US involvement in the Vietnam War with the USN and USAF. It also saw limited service with the USMC. Most attack versions were single-seat, but the AD-5/A-1E had side-by-side seating for a pilot and copilot and was used by the USAF during Operation Farm Gate with a USAF pilot and nominal South Vietnamese copilot. Attack versions were also used by RVAF, Armée de l'Air, and the air forces of Cambodia, Chad, and Gabon. The AD-4W radar-search version also served with the RN as the Skyraider AEW.1.

From 1967, USAF A-1s were equipped with the Stanley rocket extraction system. While not an ejection seat, this system used a rocket to pull the pilot out of the cockpit when bailing out.

A typical air-to-ground load in the Korean War might be 500 lb M64, 1000 lb M65, or 2000 lb M66 GP bombs or 750 lb BLU-1 napalm bombs on the centerline and inner wing pylons and HVAR rockets or 100 lb M30, 250 lb M57 bombs on the outer wing pylons.

A typical air-to-ground load in the Vietnam War might include 500 lb Mk 82 or 1000 lb Mk 83 GP bombs or 750 lb BLU-27 napalm bombs on the centerline and inner wing station, a single SUU-11 gun pod on an inner-wing station, and 100 lb M47 WP bombs, 250 lb Mk 81 GP bombs, 500 lb BLU-11 napalm bombs, LAU-3 or LAU-68 70 mm rocket pods, CBU-25 cluster bomb dispensers on the outer wing pylons.

ADCs are provided for:

- AD-4
- AD-5
- A-1E
- AD-6

- A-1H
- AD-7
- A-1J

<b>AD-4 Skyraider</b>								<b>Crew:</b> Pilot	
<b>Power APs/DPs/FPs:</b> ⊙								<b>Maneuver HFPs/DPs:</b>	
CL 1/2 DT Fuel								LR/DR	1.0 2.0
FT 1.5 1.0 1.0 0.5								VR	1.0
HT 0.5 0.5 0.5 0.2								<b>Turn DPs:</b>	
N 0.0 0.0 0.0 0.1								CL 1/2 DT	
I 0.5 0.5 0.5 0.0								TT 0.0 0.0 0.0	
SPBR 0.5 1.0 1.0 —								HT 0.0 1.0 1.0	
								BT 1.0 1.0 2.0	
								ET — — —	
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<b>AD-5 Skyraider</b>										<b>Crew:</b> Pilot and Copilot	
<b>Power APs/DPs/FPs:</b> ⊙										<b>Maneuver HFPs/DPs:</b>	
CL 1/2 DT Fuel										LR/DR	1.0 2.0
FT 1.5 1.0 1.0 0.5										VR	1.0
HT 0.5 0.5 0.5 0.2										<b>Turn DPs:</b>	
N 0.0 0.0 0.0 0.1										CL 1/2 DT	
I 0.5 0.5 0.5 0.0										TT 0.0 0.0 0.0	
SPBR 0.5 0.5 0.5 —										HT 0.0 1.0 1.0	
										BT 1.0 1.0 2.0	
										ET — — —	

<b>A-1E Skyraider</b>										<b>Crew:</b> Pilot and Copilot	
<b>Power APs/DPs/FPs:</b> ⊙										<b>Maneuver HFPs/DPs:</b>	
CL 1/2 DT Fuel										LR/DR	1.0 2.0
FT 1.5 1.0 1.0 0.5										VR	1.0
HT 0.5 0.5 0.5 0.2										<b>Turn DPs:</b>	
N 0.0 0.0 0.0 0.1										CL 1/2 DT	
I 0.5 0.5 0.5 0.0										TT 0.0 0.0 0.0	
SPBR 0.5 0.5 0.5 —										HT 0.0 1.0 1.0	
										BT 1.0 1.0 2.0	
										ET — — —	

<b>AD-6 Skyraider</b>								<b>Crew:</b> Pilot	
<b>Power APs/DPs/FPs:</b> ⊙								<b>Maneuver HFPs/DPs:</b>	
CL 1/2 DT Fuel								LR/DR	1.0 2.0
FT 1.5 1.0 1.0 0.5								VR	1.0
HT 0.5 0.5 0.5 0.2								<b>Turn DPs:</b>	
N 0.0 0.0 0.0 0.1								CL	1/2 DT
I 0.5 0.5 0.5 0.0								TT	0.0 0.0 0.0
SPBR 0.5 1.0 1.0 —								HT	0.0 1.0 1.0
								BT	1.0 1.0 2.0
								ET	— — —

<b>A-1H Skyraider</b>								<b>Crew:</b> Pilot			
								<b>Maneuver HFPs/DPs:</b>			
<b>Power APs/DPs/FPs:</b> ⊙								LR/DR	1.0	2.0	
CL    1/2    DT    Fuel								VR	1.0		
FT	1.5	1.0	1.0	0.5					<b>Turn DPs:</b>		
HT	0.5	0.5	0.5	0.2					CL	1/2	DT
N	0.0	0.0	0.0	0.1					TT	0.0	0.0
I	0.5	0.5	0.5	0.0	Cruise Speed: 2.0   Restr. Arcs: —				HT	0.0	1.0
SPBR	0.5	1.0	1.0	—	Climb Speed: 1.5   Blind Arcs: 30—				BT	1.0	1.0
					Visibility: 6   Internal Fuel: 120				ET	—	—
					Size: +0   AtA Refuel: No						
					Vulnerability: +2   Ejection Seat: None						
<b>Speeds and Ceilings</b>								<b>Climb Capabilities</b>			
Alt.	Conf.	CL	1/2	DT	Dive	CL	1/2	DT	Alt.		
Band	Ceil.	30	24	13	Speed	AB Oth	AB Oth	AB Oth	Band		
EH+	46+	—	—	—	—	—	—	—	EH+		
VH	36–45	—	—	—	—	—	—	—	VH		
HI	26–35	1.5 – 3.0	—	—	4.5	—	0.5	—	HI		
MH	17–25	1.5 – 3.0	1.5 – 2.5	1.5 – 2.0	4.5	—	0.5	—	0.5	MH	
ML	8–16	1.0 – 3.0	1.0 – 2.5	1.0 – 2.5	4.0	—	1.0	—	0.5	ML	
LO	0–7	1.0 – 3.0	1.0 – 3.0	1.0 – 2.5	4.0	—	1.0	—	0.5	LO	
<b>Radar:</b> —				<b>ECM:</b> IFF				<b>Weapon Stations Diagram:</b>			
ECCM: —				RWR: —							
Arcs: —				DDS: —							
Search: —				DJM: —							
Track: —				AJM: —							
Lock-On: —				BJM: —							
<b>Guns:</b> Four 20 mm M3				<b>Technology:</b>				<b>Load Point Limits:</b>			
To Hit: 5/4/3				None				CL : 0–6 1/2: 7–12			
Ammunition: 6.0								<b>Weight Limit:</b> 8,000			
Gunsight: TT+0/HT+1/BT+2								DT : 13+			
Ranging: —								<b>Station</b>			
AtA/AtG: 5/6*								Limit			
<b>Bomb System:</b> Manual								Allowed Loads			
<b>Notes:</b>								1–6 and 10–15   500 BB RK RP			
1. The Douglas A-1H Skyraider is a propeller-driven, carrier-capable attack aircraft. It was developed from the AD-5, but returned to the fuselage and single-pilot cockpit configuration of the AD-4. Prior to 1962, it was designated AD-6. 2. From 1967, equipped with the Stanley rocket extraction device which gives a -1 modifier when bailing out.								7 and 9   2,200 BB RK RP FT			
								8   2,200 BB FT			
				<b>Load Notes:</b>				1. Stations 1 to 6 and 10 to 15 are closely spaced and have restrictions: a station adjacent to one other loaded with a store of more than 250 lb may only carry a store of 250 lb or less and a station between two others loaded with stores of more than 250 lb may not be used.			
<b>VPs:</b> 8/5/3/1								v1.0000000 0000-00-00T00:00:00			

<b>AD-7 Skyraider</b>								<b>Crew:</b> Pilot	
<b>Power APs/DPs/FPs:</b> ⊙								<b>Maneuver HFPs/DPs:</b>	
CL 1/2 DT Fuel								LR/DR	1.0 2.0
FT 1.5 1.0 1.0 0.5								VR	1.0
HT 0.5 0.5 0.5 0.2								<b>Turn DPs:</b>	
N 0.0 0.0 0.0 0.1								CL 1/2 DT	
I 0.5 0.5 0.5 0.0								TT 0.0 0.0 0.0	
SPBR 0.5 1.0 1.0 —								HT 0.0 1.0 1.0	
								BT 1.0 1.0 2.0	
								ET — — —	
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<b>A-1J Skyraider</b>										<b>Crew:</b> Pilot	
<b>Power APs/DPs/FPs:</b> ⊙										<b>Maneuver HFPs/DPs:</b>	
CL 1/2 DT Fuel										LR/DR	1.0 2.0
FT 1.5 1.0 1.0 0.5										VR	1.0
HT 0.5 0.5 0.5 0.2										<b>Turn DPs:</b>	
N 0.0 0.0 0.0 0.1										CL 1/2 DT	
I 0.5 0.5 0.5 0.0										TT 0.0 0.0 0.0	
SPBR 0.5 1.0 1.0 —										HT 0.0 1.0 1.0	
										BT 1.0 1.0 2.0	
										ET — — —	