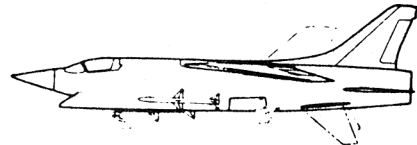
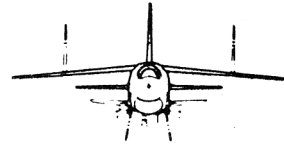
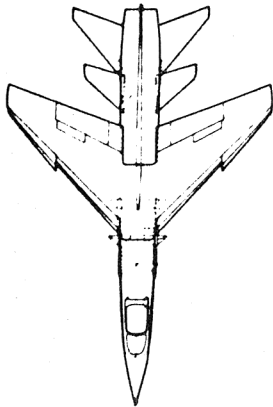


CHARACTERISTICS SUMMARY

COMBAT AIR PATROL

F8U-3

CHANCE VOUGHT "CRUSADER"



WING AREA 450 sq. ft.
WING SPAN 39' - 11"

LENGTH 58' - 11"
HEIGHT 16' - 5"

AVAILABILITY			PROCUREMENT			
NUMBER AVAILABLE			NUMBER DELIVERED IN FISCAL YEARS			
ACTIVE	RESERVE	TOTAL				

STATUS	
First Flight (Estimated)	June 1958
Service Use	August 1960

ENGINES			
(1) P&W J75-P-6			
Sea Level Static Ratings			
	<u>LBS</u>	<u>RPM</u>	<u>RPM</u>
		<u>N₁</u>	<u>N₂</u>
MIL.+AB	26000	7300	9000
MIL.	16500	7050	9000
NORM.	14900	6700	8900
SPEC. No. N-2622			

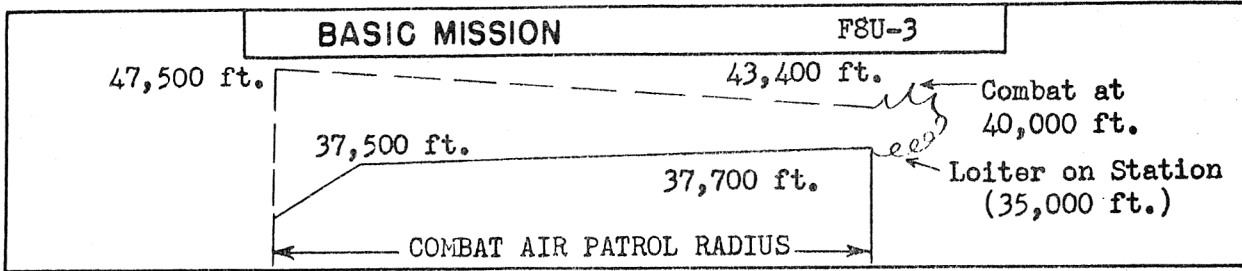
FEATURES
Variable incidence wing
Full span leading edge droop
Flap blowing Boundary Layer Control
2 Position ventral fins
Auto pilot
Crew - 1

ARMAMENT
3 SPARROW III Air-to-Air Missiles
Aero-X-2-A Launcher plus mixed bag
Capability of (4) Semi-Submerged Sidewinders

NAVIER 1519 A (REV. 1-49)

DECLASSIFIED

CHARACTERISTICS SUMMARY



PERFORMANCE		
COMBAT RADIUS	COMBAT RANGE	SPEED
150 naut. mi. 500 knots avg. Mission time 2.7 hr. Loiter time 1.7 hr. Loading: 3 SPARROW III Missiles Combat Air Patrol	1775 naut. mi. 500 knots avg. - - hours	695 knots at Sea Level 1115 knots at 25,000 ft. 1265 knots at 50,000 ft. Combat Weight Military + AB Power
CLIMB	CEILING	TAKE OFF
9020 ft./min. Sea Level, T. O. wt. Military Power	41,800 ft. 100 ft./min., T. O. wt. Military Power	5880 ft. (Calm) No Assist Military Power
34,250 ft./min. Sea Level, Combat Wt. Military + AB Power	51,500 ft. 500 ft./min., Combat wt. Military + AB Power	4430 ft. - 25 knot wind Military Thrust
LOAD	WEIGHTS	STALLING SPEED
Fuel 2036 gal. fixed 2036 drop JP-5 Fuel	Empty 21,862 lbs. *Combat 32,318 lbs. Take-off 37,856 lbs. * Missiles on	134.0 knots Power Off Flaps down, T. O. wt. TIME TO CLIMB 35,000 ft. in 1.6 min. Combat Wt., Max. Power

NOTES

PERFORMANCE is based on calculations.
 Range and Radius is based on engine specification fuel consumption data increased 5%.
 General Purpose Fighter Radius with same loading: 560 n.mi.; Mission time: 2.6 hr.
 General Purpose IFR Mission Radius: 1155 n.mi.; Mission time: 5.0 hr.

NAVAER-1519B (Rev. 10-51)