

DEVELOPMENT PROGRESS SUMMARY

REGRADED TO UNILAULIE A4D-3 SKYHAWK

CONTRACT NOa(s) 57-183

DOUGLAS AIRCRAFT COMPANY, INC.

EL SEGUNDO DIVISION

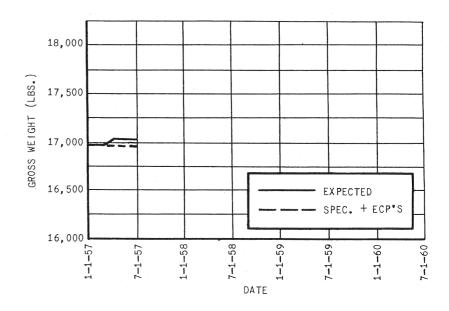
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E'nel#1 of R-25-3409

△ SUMMARY △ WEIGHT STATUS

Notification of termination of the A4D-3 (Contract NOa(s) 57-183c) has been received by BuAer dispatch 2118532 of June.

CONDITION	SPEC. WT. + ECP's	EXPECTED WEIGHT	
NOa(s) 57-183 - Wt. Empty	9119 lb.	9180 lb.	
ATTACK - 790 gal. fuel (JP-5), 1-2000 lb. store - Gross Wt.	16,966 lb.	17,027 lb.	



Above weights include pending ECP 297 which consists of the mock-up board changes, ECP 327-relocated inflight refueling probe to nose, GFE Spec. weight adjustment +11.6 lbs.

△ PERFORMANCE STATUS (1)

J52-P-4 ENGINE

LOADING CONFIGURATION - 1-2000 lb. store on & pylon
In Flight Fueling Probe
790 Gallons of JP-5 Fuel

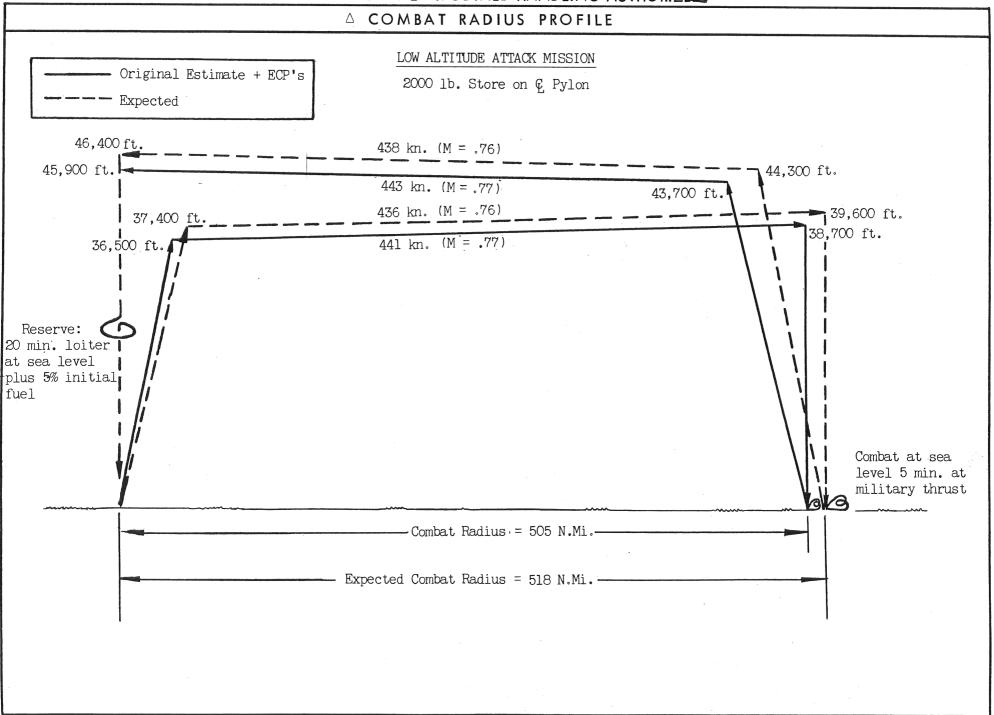
		Original Estimate + ECP's (2)	Guarantees (3)	Expected Performance (4)
TAKE-OFF WEIGHT Fuel Stall speed - power-off Wind required for catapult take-off with H-8 catapult Rate of climb at S.L.	lb. lb. kn. kn. ft./min.	16,966 5372 113.2 8 8000	116.0	17,027 5372 113.4 9 7900
Service ceiling Combat radius Average cruise speed Mission time Cycle time	ft. n.mi. kn. hr.	42,200 505 442 2.4		43,300 518 437 2.5
COMBAT WEIGHT Engine power Fuel	hr. lb.	2.7 12,817 MILITARY 3223		2.8 12,878 MILITARY 3223
Rate of climb at S.L. Combat ceiling Max. speed at S.L. Max. speed at 35,000 ft. Max. specific range at alt. for max. specific range	ft./min. ft. kn./M kn./M n.mi./lb.	10,900 47,200 571/.86 533/.93 .373@ 41,100 ft.	46,200 562 .346 @ 41,100ft.	10,800 48,000 573/.87 531/.92 .381@41,900 ft.
LANDING WEIGHT Fuel Stall speed - power-off at S.L. Wind required for arrested landing with Mk.5, Mod.3 arresting gear	lb. lb. kn.	10,269 675 88.1 -6		10,326 671 88.3

(Notes on following page)

△ NOTES

Notes for Performance Status on preceding page:

- (1) All performance data as of 26 June 1957 including ECP 297 and ECP 327.
- (2) Based on original estimate from which guarantees were derived.
- (3) Actual guarantees as of 26 June 1957, adjusted for applicable ECP's (see note 1).
- (4) Estimated and guaranteed performance are derived from A4D-3 wind tunnel tests and limited A4D-1 flight tests and are based on Pratt & Whitney Specification No. 1723 for the model J52-P-4 engine, dated 14 January 1957.
- (5) The differences between the expected and the original estimated performance are due to more recent wind tunnel results incorporated in the expected performance and an airplane overweight of 61 pounds.

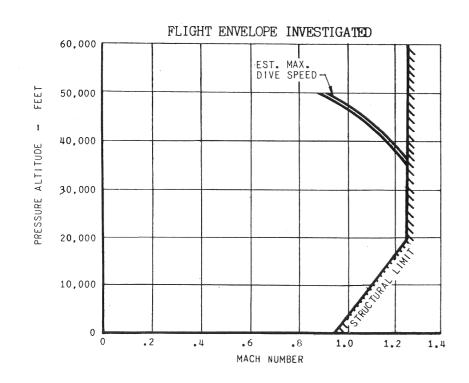


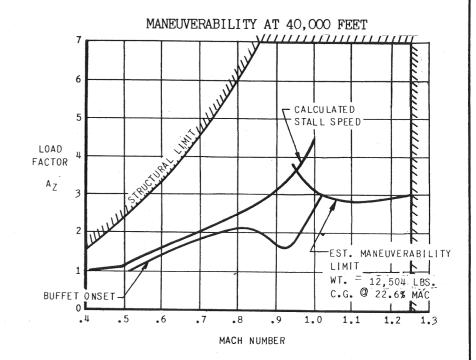
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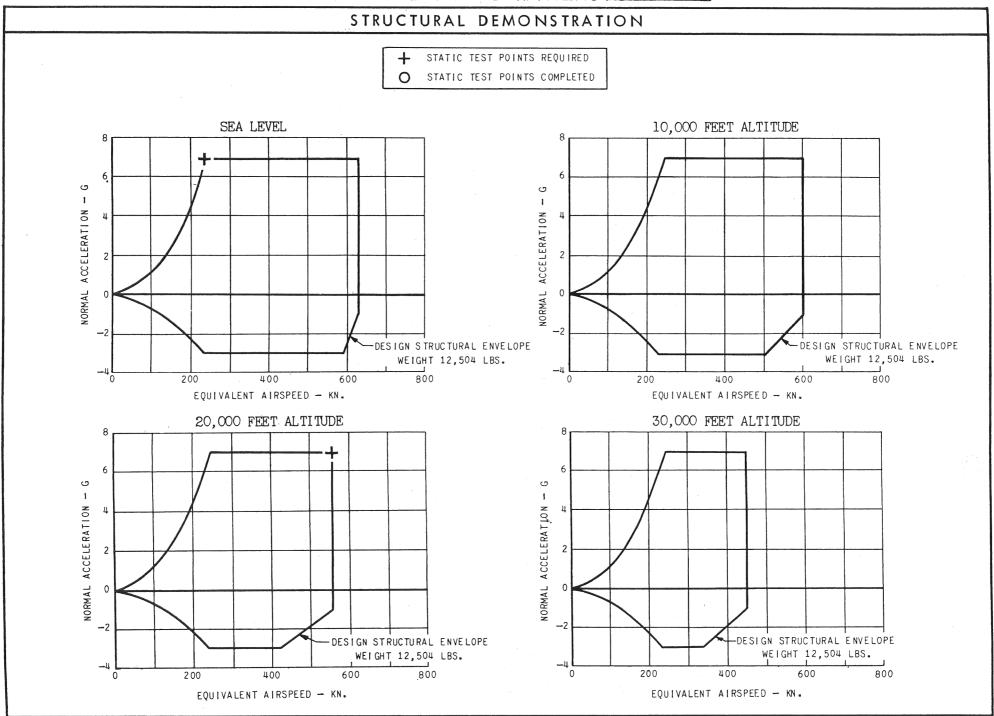
26 JUNE 1957

AERODYNAMIC DEMONSTRATION

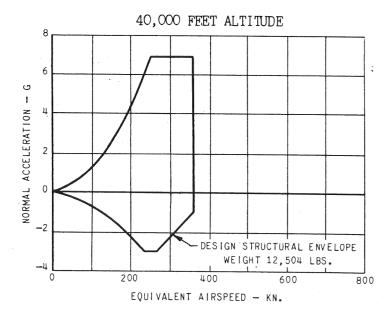
ESTIMATED FLIGHT LIMITS











50,000 FEET ALTITUDE

