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Document Number

UNCLASSIFIED

Historical Document Undergoing Classification Review

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Criteria by Authority of Edward J. McCallum
Memorandum dated March 16, 1992

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Pending Review
This Document May Require Coordinate Review

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW DATE: 5/22/02
AUTHORITY: ☐ ADC ☒ ADD ☐ ADD
NAME: M Fisher
2ND REVIEW DATE: 09/24/04
AUTHORITY: ADD
NAME:

DETERMINATION (CIRCLE NUMBER)
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO:
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH: DOD
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
7. OTHER (SPECIFY): NOND

AIR FORCE REV. LTR 10/8/02
Force concurs w/ DOE brackets

~~RESTRICTED DATA~~
This Document Contains Restricted Data as defined in the Atomic Energy Act of 1954. Unauthorized Disclosure Subject to Administrative and Criminal Sanctions.

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M.A.C. MODEL 96

DoE
b(3)

[redacted]

XW-5/F-101A WEAPON
COMPUTER AND ESCAPE TOSS BOMBING LIMITS
650 KNOTS CAS
30° DIVERGENCE 5G PULLUP

ENTRY ALTITUDE - 1000 FT.

COMPUTER LIMIT

DIVE ENTRY ANGLE - DEG.

22 June 1954

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22 June 1954

XM-5/F-101A WEAPON
ESCAPE DISTANCE VS RELEASE ANGLE
LOW ALTITUDE BOMBING SYSTEM (LABS)

ESCAPE DISTANCE - 1000 FT.

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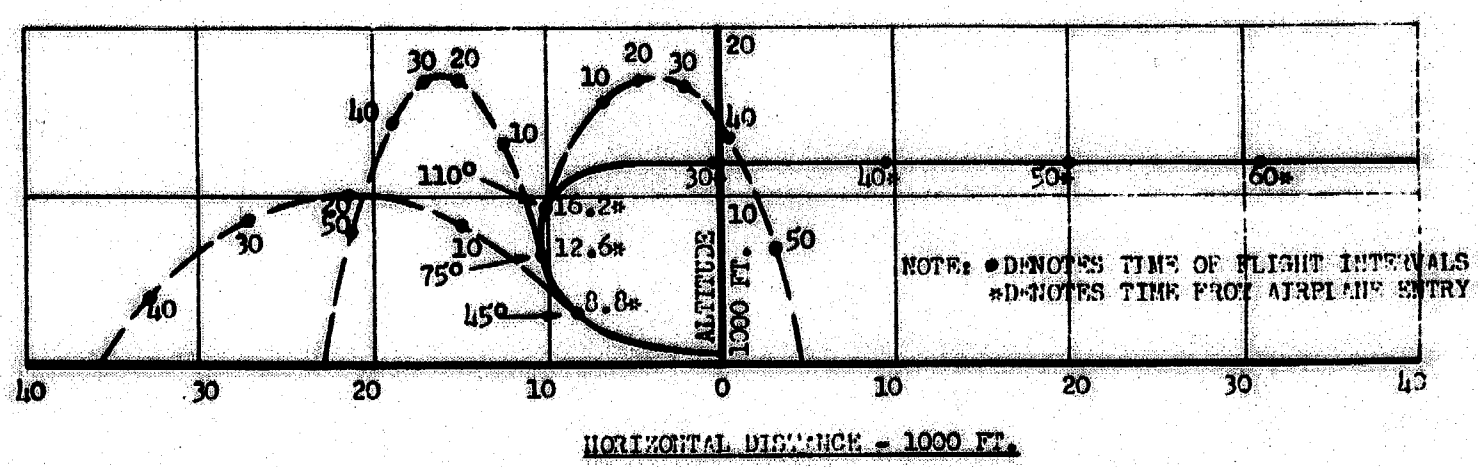
XW-5/F-101A WEAPON
AIRPLANE AND STORE FLIGHT PATH
LOW ALTITUDE BOMBING SYSTEM (LABS)

[redacted]

INITIAL AIRPLANE CONDITIONS:
ALTITUDE: 500 FT.
ENGINE THRUST: MILITARY + A/B
SPEED: V-MAX LEVEL FLT. = 627 K = .95 M
LOAD FACTOR: 4.5G REACHED IN 4 SEC.
AND HELD CONSTANT TO
BUFFET (110°)



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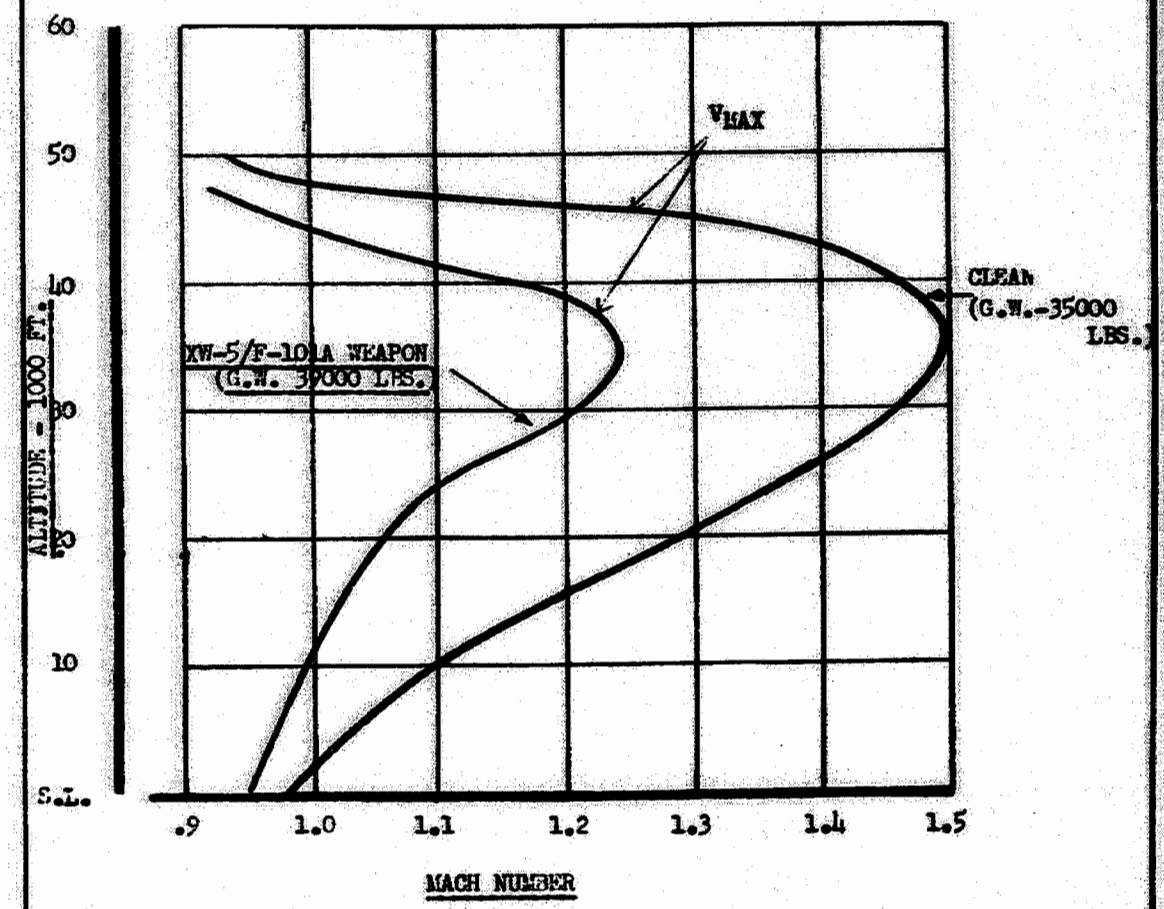
ATOMIC ENERGY ACT

F-101A AIRPLANE
XW-5/F-101A WEAPON
MAXIMUM MACH NUMBER VS. ALTITUDE
(2) J-57-P-13 ENGINES

MAXIMUM POWER



22 June 1954

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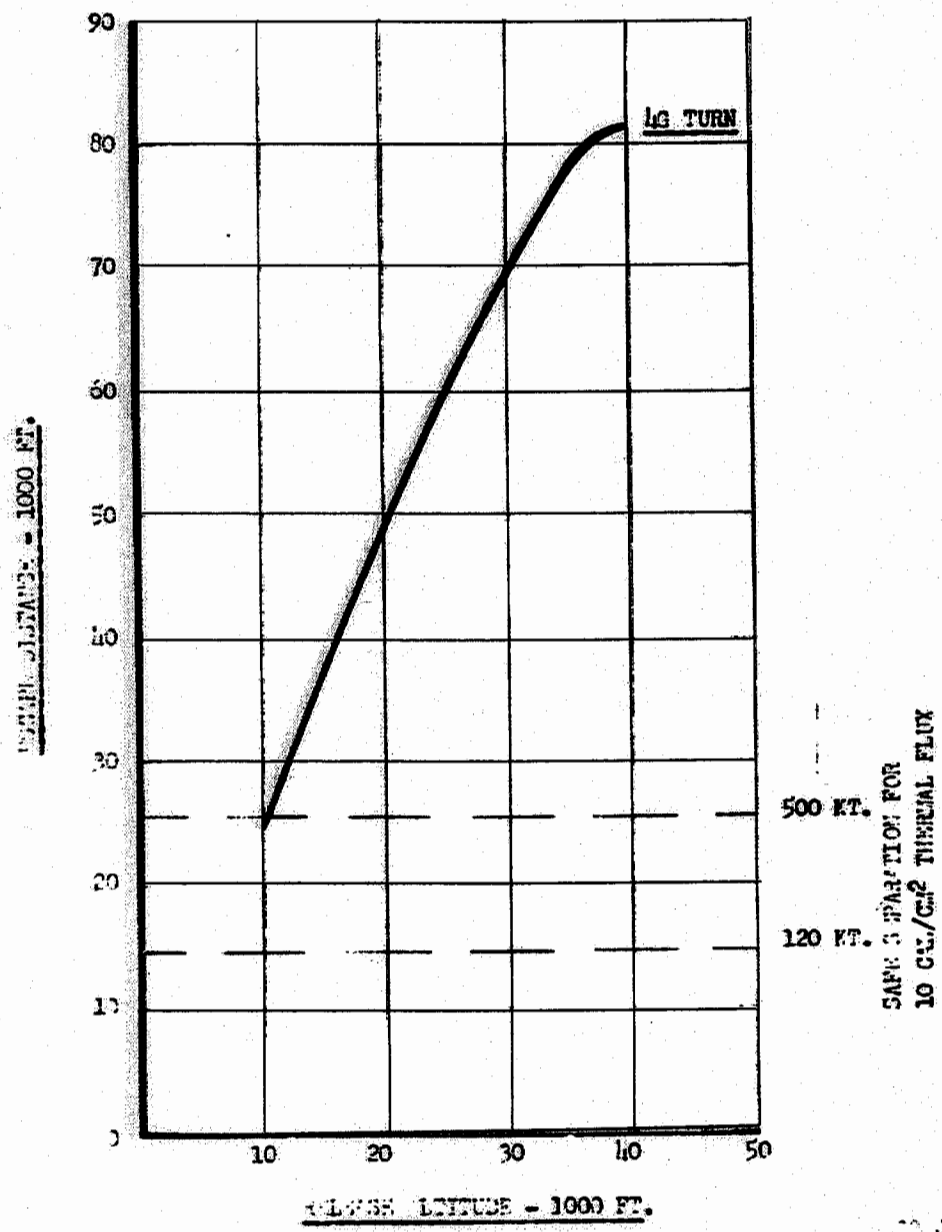
XW-5/F-101A WEAPON
ESCAPE DISTANCE VS RELEASE ALTITUDE
LEVEL FLIGHT RELEASE AT VMAX STORE ON
SEA LEVEL EXPLOSION

180° LEVEL TURN ESCAPE



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