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Approved For Release 2000/08/21 : CIA-RDP33-02415A000200190002-6

THE
AIR FORCE
U-2

PROJECT
"DRAGON LADY"

*PRESENTATION TO GEN. WARREN & STAFF
AT HQ AMC, FEBRUARY 1956*

USAF Declassification/Release Instructions On File

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GENERAL INFORMATION

U-2 - Single-Place, Single-Engine Jet Aircraft for Long-Range Reconnaissance
at extreme altitude

CONTRACTOR - Special Division of Lockheed Aircraft Corp., Burbank, Calif.

USING COMMAND - Strategic Air Command

SUPPORT DEPOT - Weapon System Support Center manned by WRAMA, now located
at WRAMA

ENGINE - Pratt & Whitney J-57-P-37 or J-57-P-31A

FUEL - Special LF-1A (now a Mil. Spec. Thermally-Stable JP-1)

FUEL CAPACITY - Normal: 1053 Gal.

MAXIMUM: 1360 Gal.

DESIGN GROSS WT. NORMAL: 17,750 lbs.

MAXIMUM: 19,750 lbs.

WING AREA - 600 Sq. Ft.

WING SPREAD (ALL WET) 80 Ft.

FUSELAGE LENGTH 50 Ft.

Bicycle-Type Landing Gear with wing tip skids and droppable out-rigger
stabilizing struts and wheels

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PROGRAM HISTORY

1st Aircraft delivered in Sep 56 (8 months after go-ahead)

30th Aircraft delivered in Dec 57

25X1A6a

Equipped and Trained at [REDACTED]; moved to Laughlin AFB, Texas
as the 4028th SRS(W) under the 4080th SRW in Jun 57

Supported for detachment deployments

All Contracting and Funding handled thru special procedures at Hq USAF

WSPO given responsibility for overall program

All channels of normal weapon system programs were and are by-passed

No AMC control other than WSPO

No AMC Depot responsibility other than supplies thru WSSC

No AMC Depot Maintenance

No WADC Labs.

No standard handbooks, data, etc.

Contractors given design and performance responsibility

Special security procedures

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PROGRAM INFORMATION

30 Aircraft Procured

- 25X1D 15 Photo
6 [REDACTED]
4 Electronic Ferret
3 ARDC Research (Weather, Human Factors, and Infra-red)
25X1D 2 [REDACTED]

All basic equipments are designed to be interchangeable packages

ADDITIONAL EQUIPMENTS

Drift Sight and Tracking Camera :

Sextant and Radan

25X1D

[REDACTED]

Radar and VHF Radio Monitoring

Automatic Radar Ferret

Camera Configurations:

A-1 (3 - 6" and 1 - 24")

B (1 - 36")

A-2 (3 - 24")

C (1 - 180")

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25X1A

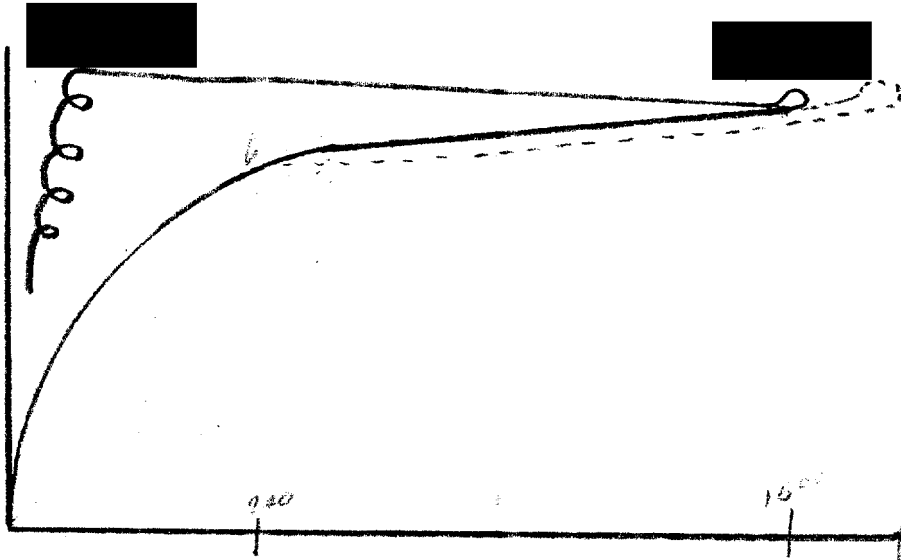
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BASIC MISSION PROFILE

25X1D0c



25X1D0c

NORMAL: *Range* 1500 N.M.

MAXIMUM: 2000 N.M.

Take-off Weight - Normal: 17,750 Lbs.

Maximum: 19,750 Lbs.

Cruise Out/Back Military Power - 425 Kts.

.74 Mach

Mission Time Normal: 8 hrs.

Maximum: 9 hrs.

Distance T.O. and Climb 50 ft. 1100 ft.

Distance Land from 50 ft. 1900 ft.

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RESULTS

Minimum Aircraft Changes with immediate effectivity

Weapon System Meets all design criteria and exceeds specification requirements

Low-cost program

Program objectives remained fixed as to purpose and mission

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