

SP 978

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U-2R PHOTO CHART REPORT

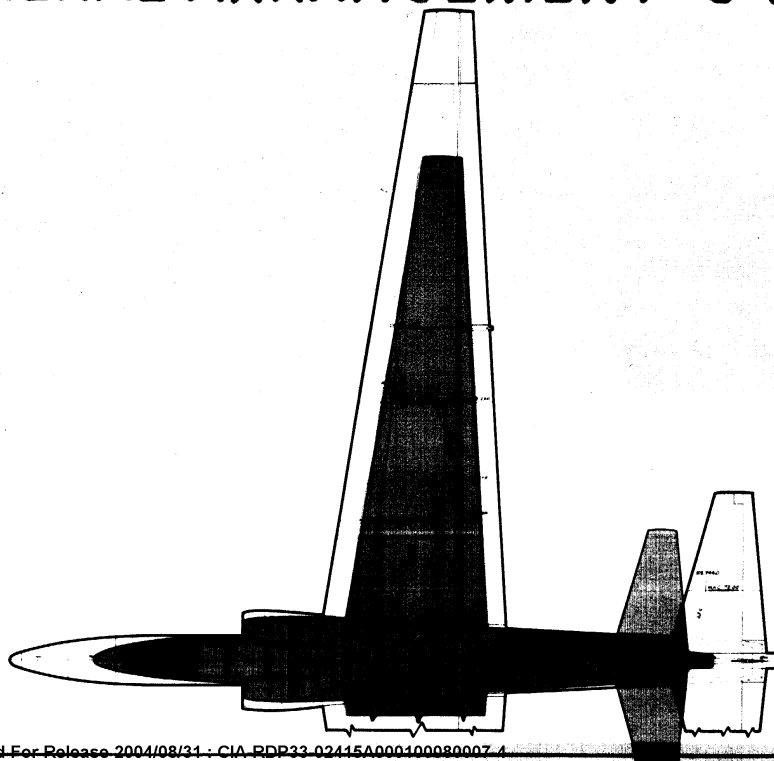
NRO and USAF review(s) completed.

Approved For Release 2004/08/31 : CIA-RDP33-02415A000100080007-4

STAT

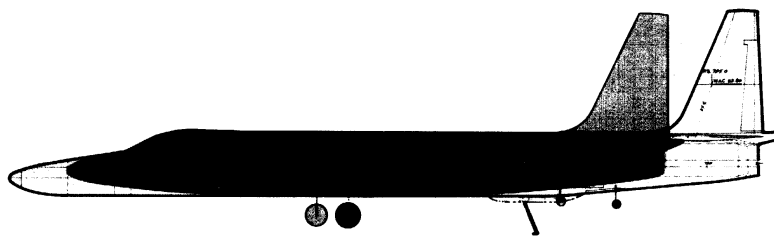
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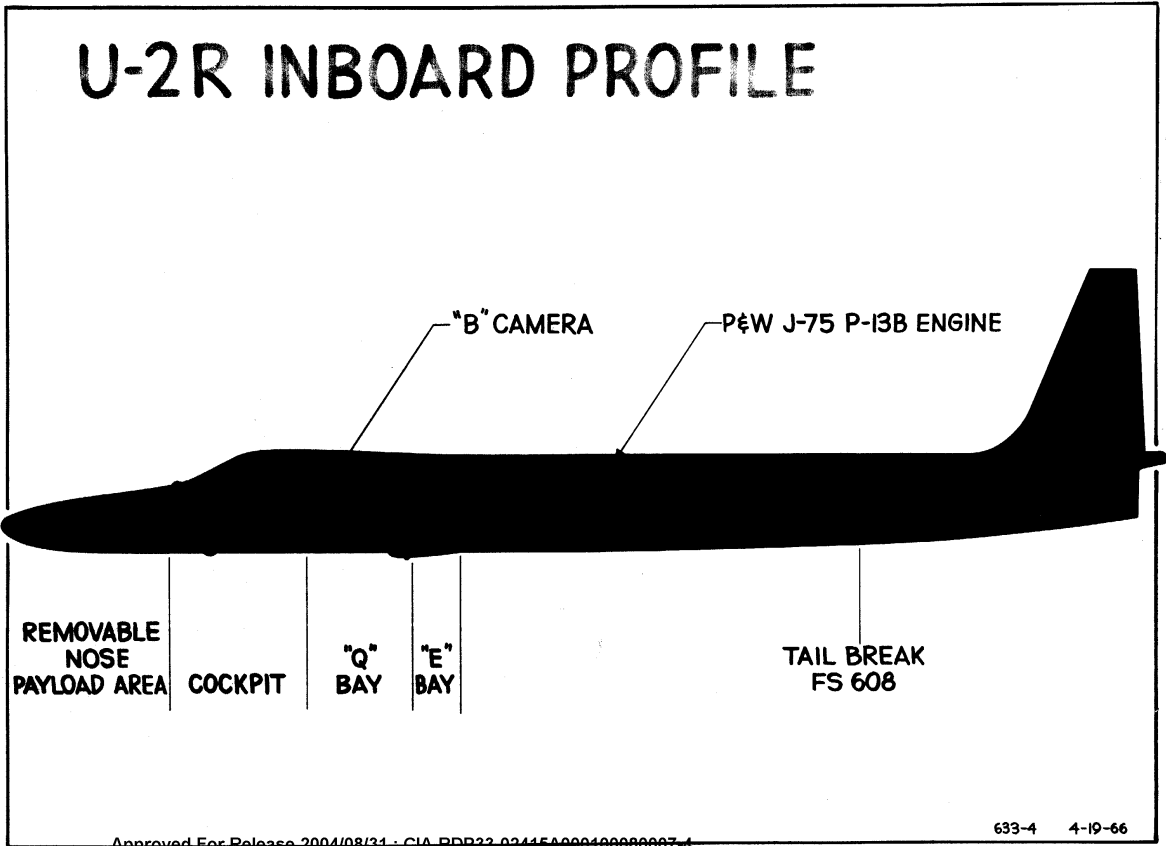
GENERAL ARRANGEMENT U-2R



633-9
4-19-66

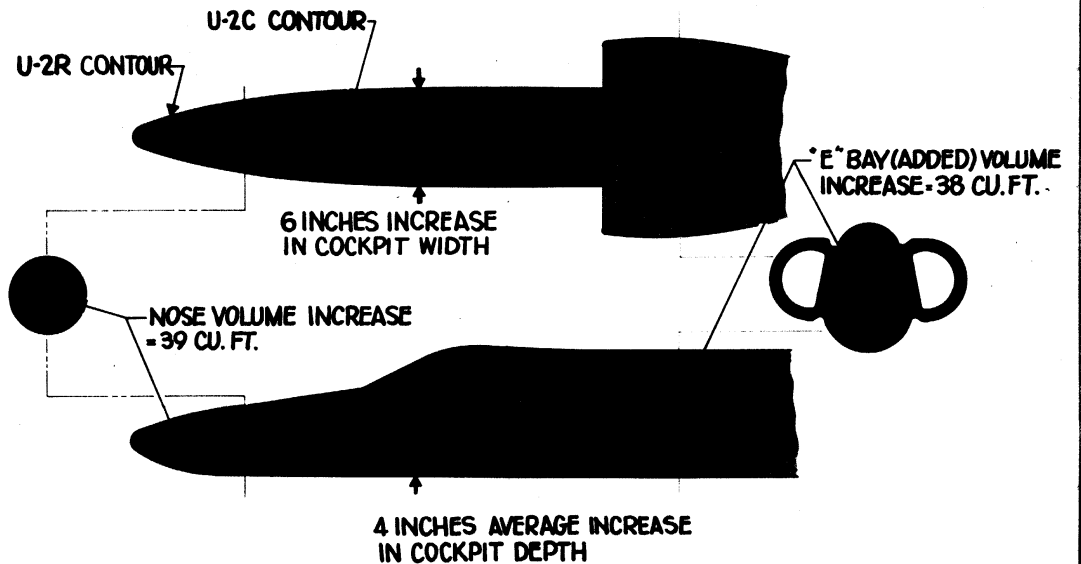
GENERAL ARRANGEMENT U-2R



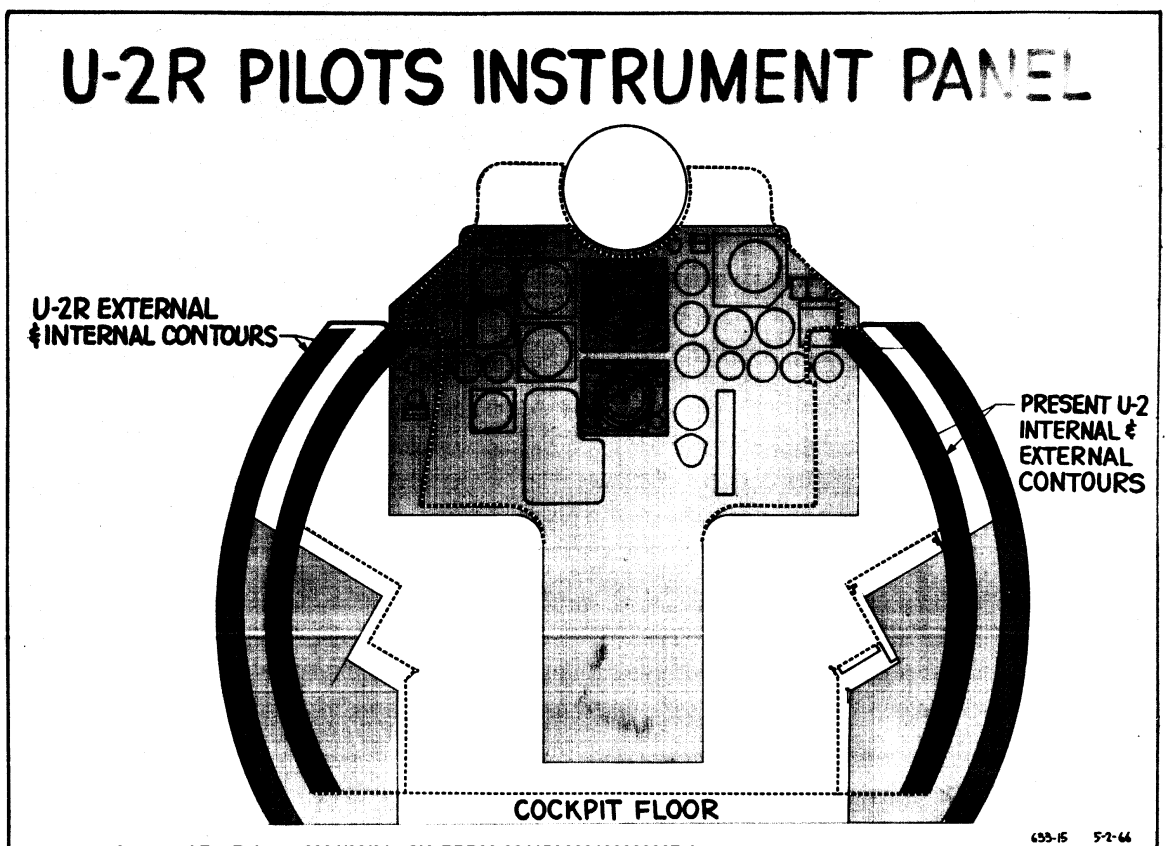


INTERNAL VOLUME COMPARISON

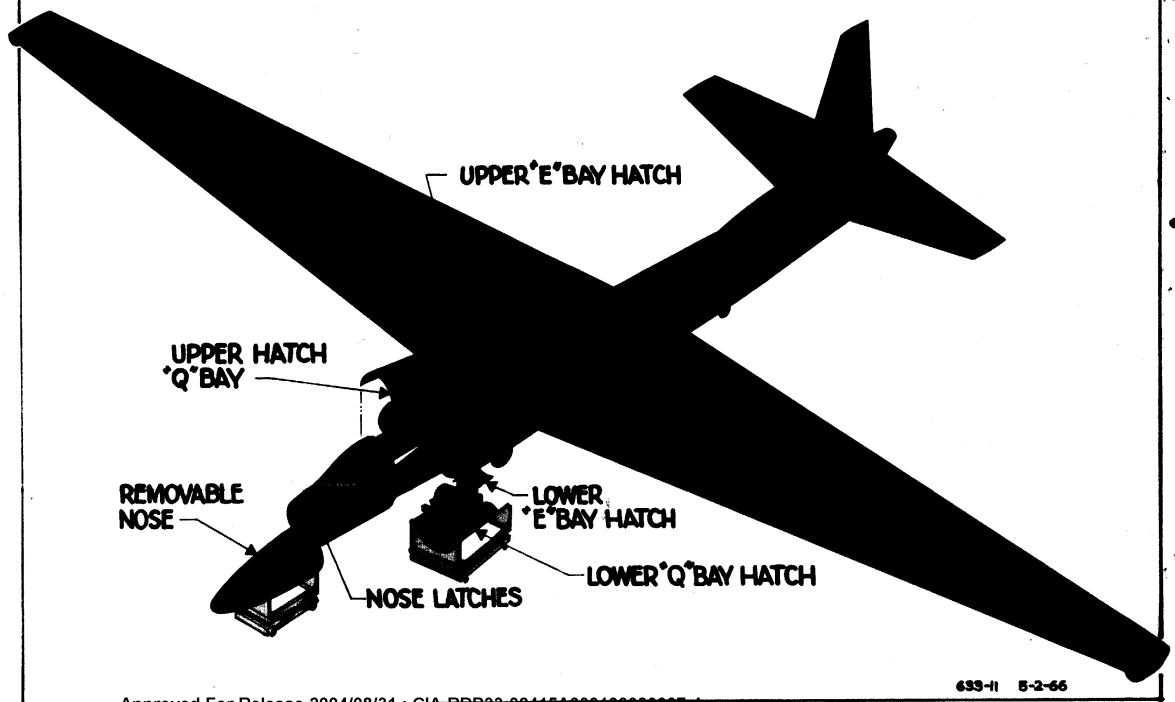
U-2R & U-2C



U-2R PILOTS INSTRUMENT PANEL



U-2R QUICK CHANGE PAYLOAD CAPABILITY



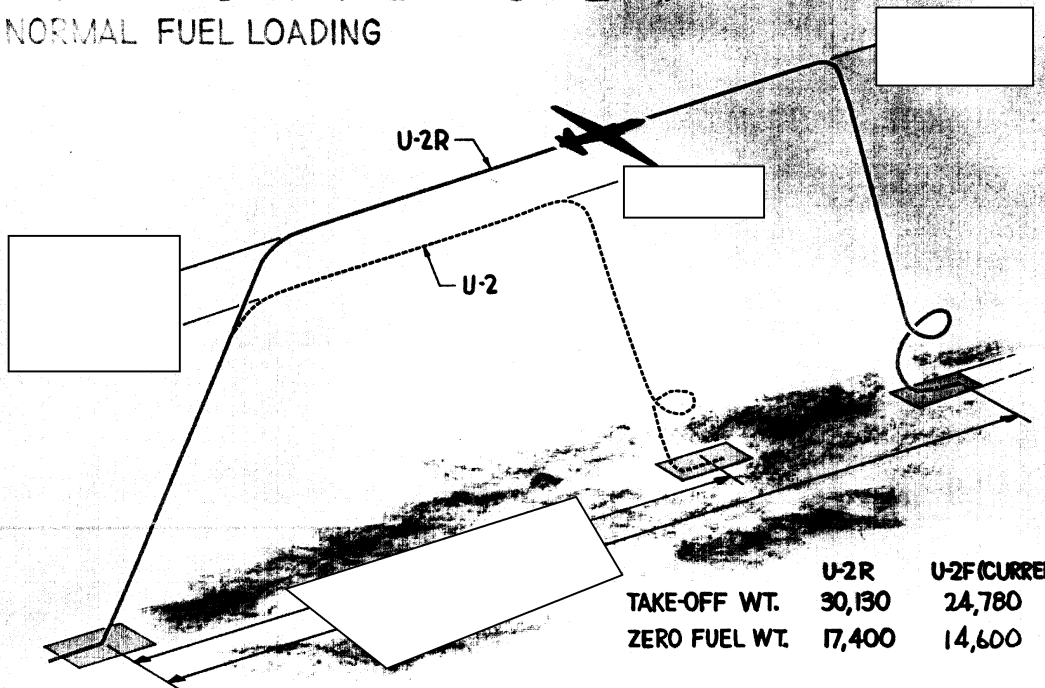
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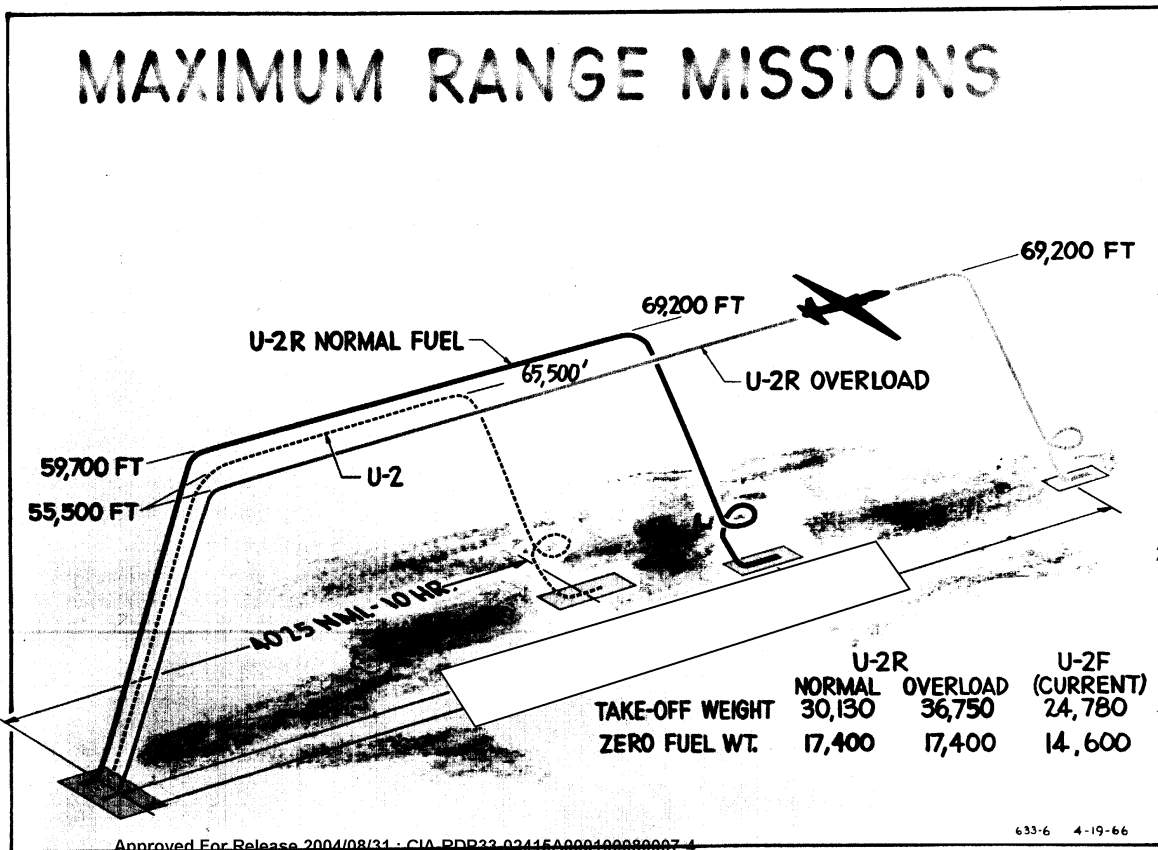
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MAXIMUM ALTITUDE MISSION

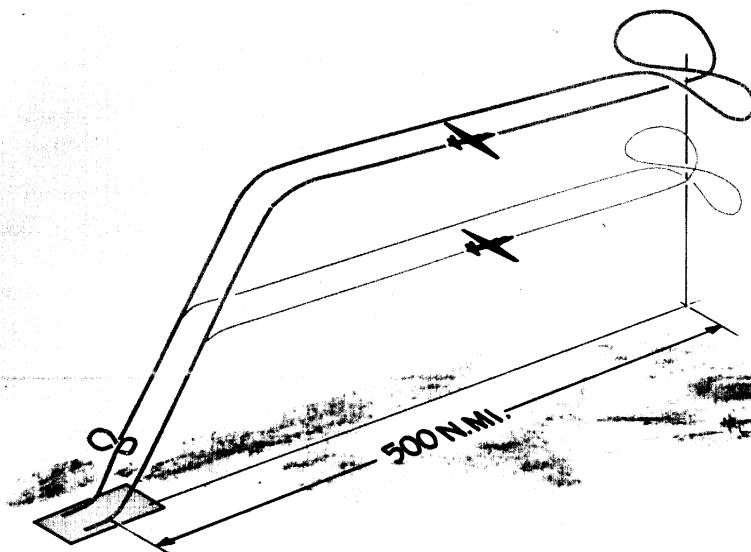
NORMAL FUEL LOADING





LOITER MISSIONS

MAX. TAKE-OFF WEIGHT 36,750 LBS.

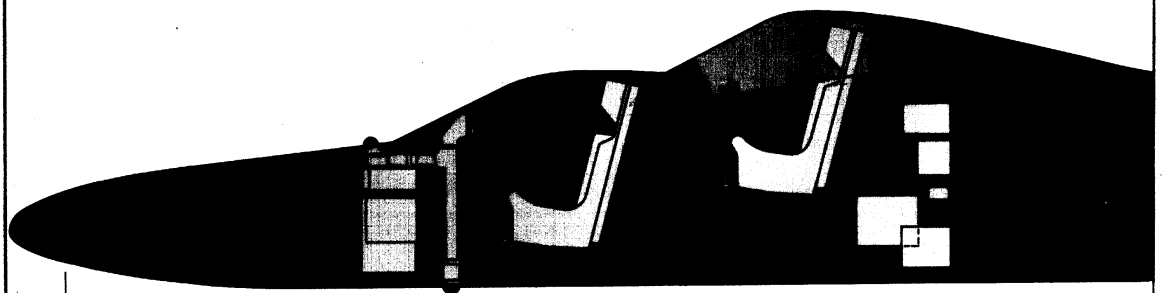


MAX. ALTITUDE - LOITER
11 HRS. 20 MIN. @
64,800 ALTITUDE

MAX. TIME - LOITER
14 HRS. 50 MIN. @
56,200 - 68,400 FT. ALTITUDE

STAT

INBD PROFILE U-2R TRAINER



REMOVABLE NOSE
PAYLOAD AREA

U-2R MINIMUM DEVELOPMENT WITH MAXIMUM EXPERIENCE

PERFORMANCE AND FLYING QUALITIES

- U-2R IS $\frac{1}{3}$ SCALED UP VERSION OF BASIC U-2.
- WING ASPECT RATIO AND THICKNESS RATIO ARE UNCHANGED.
- PERFORMANCE BASED ON OVER 100,000 HOURS OF U-2 FLIGHT TIME.
- IMPROVED LONGITUDINAL TRIM WITH ALL MOVING HORIZONTAL STABILIZER.
- CONFIGURATION CHANGES INCORPORATED TO IMPROVE PRESENT U-2 FLYING QUALITIES
- NO TECHNICAL "BREAK-THROUGHS" REQUIRED IN THE AIRFRAME OR ENGINE.

U-2R MINIMUM DEVELOPMENT WITH MAXIMUM EXPERIENCE

STRUCTURE AND WEIGHT

- **STRUCTURAL CRITERIA UNCHANGED FOR U-2R.**
- **STRUCTURAL ARRANGEMENT ESSENTIALLY THE SAME AS THE BASIC U-2.**
- **LOAD AND STRESS ANALYSES PROVEN BY OVER 100,000 HOURS OF U-2 FLIGHT TIME.**
- **CONVENTIONAL ALUMINUM ALLOYS USED THROUGHOUT.**
- **WEIGHT ESTIMATE IS CONVENTIONAL EXTENSION OF ACTUAL U-2 WEIGHTS.**