

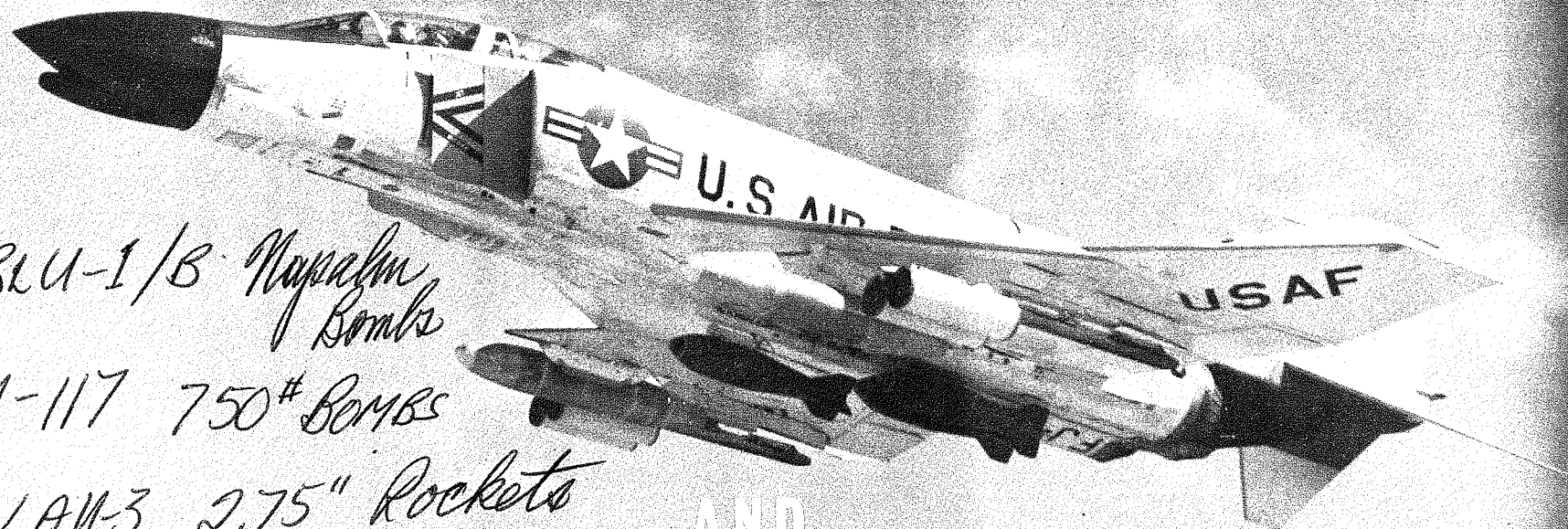
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CONFIDENTIAL

Report No. 8761

# F-110

## PROJECT HOPSCOTCH



2-BLU-1/B Napalm Bombs  
3-M-117 750# Bombs  
76 LAU-3 2.75" Rockets

AND

CONFIDENTIAL

22 March 1962

**F-110**

**PROJECT HOPSCOTCH  
and  
PRODUCTION HIGHLIGHTS**

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**MCDONNELL**

DOWNGRADED AT 3 YEAR INTERVALS  
DECLASSIFIED AFTER 12 YEARS  
DOD DIR 5200.10

## **INTRODUCTION**

Project Hopscotch introduced the F-110A to the Tactical Air Command.

Two F-110A's were delivered on 24 January 1962 to TAC Headquarters for air crew familiarization and training, maintenance training and weapon system demonstration. Extensive flight operations have been conducted at Langley, Nellis with Connally, and Shaw Air Force Bases to be visited.

Documentation of these operations are presented herein.

# PROJECT HOPSCOTCH—HIGHLIGHTS

## F-110 OPERATIONS LANGLEY/NELLIS

24 JAN THRU 22 MAR

### AVAILABILITY

### COMBAT READY FLYABLE

F-110 NO. FJ 405	81.0%	92.7%
F-110 NO. FJ 406	79.5%	91.0%

### UTILIZATION

FLIGHT HOURS PER MONTH PER A/C	70
TOTAL FLIGHT HOURS { F-110 NO. FJ 405	142
{ F-110 NO. FJ 406	138
NUMBER OF SORTIES	203
TOTAL LANDINGS	313

### MAN HOURS

AVERAGE MAINTENANCE MH/FH	6.1
AVERAGE MAINTENANCE MH/SORTIE	8.5

NOTE: MAINTENANCE MH/FH REFLECT DIRECT MAN HOURS ONLY  
AND WILL INCREASE 4 HOURS WHEN MAJOR CALENDAR  
INSPECTION PERFORMED

# **PROJECT HOPSCOTCH—HIGHLIGHTS**

## **F-110 MULTIPLE WEAPON CAPABILITY**

**NELLIS AFB (5 WEEKS)**

### **ORDNANCE EXPENDED:**

<b>M117 750 LB. BOMBS</b>	<b>106*</b>
<b>LAU-3 2.75 IN. ROCKETS</b>	<b>1015</b>
<b>MK76 PRACTICE BOMBS</b>	<b>125</b>
<b>M116 FIRE BOMBS (NAPALM)</b>	<b>41</b>
<b>MLU-10/B AERIAL RAILROAD MINE</b>	<b>3</b>
<b>CBU-2A DISPENSER</b>	<b>2</b>

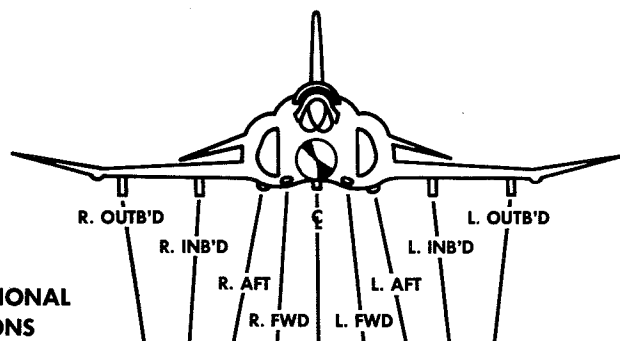
**15 RADAR GROUND MAP EVALUATION FLIGHTS**

**OVER 175 ADDITIONAL FAMILIARIZATION FLIGHTS**

**\* 1 LEVEL RUN AT 2000 FT. WITH 13 BOMB SALVO**

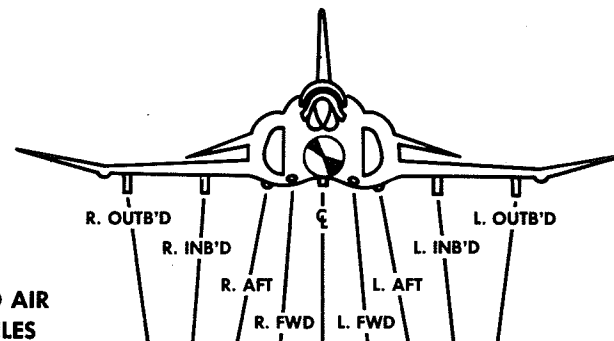
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## EXTERNAL STORES CAPABILITY F-110 MULTIPLE WEAPON CAPABILITY



### CONVENTIONAL WEAPONS

150-GAL. NAPALM BOMB	2	2			3			2	2
680-LB. RAILROAD MINE	3	3			3			3	3
750-LB. ANTI-PERSONNEL BOMB	3	3			3			3	3
750-LB. DEMOLITION BOMB	3	3			6			3	3
250-LB. DEMOLITION BOMB	6	3			6			3	6
500-LB. DEMOLITION BOMB	6	3			6			3	6
1000-LB. DEMOLITION BOMB	2	2			3			2	2
CHEMICAL WARFARE BOMB	3	3			6			3	3
SMOKE BOMB	1	1			3			1	1
3000-LB. DEMOLITION BOMB					1				



### AIR TO AIR MISSILES

SIDEWINDER		2						2	
SPARROW III		1	1	1			1	1	1

### AIR TO GROUND MISSILES

BULLPUP A	1	1						1	1
BULLPUP B	1	1			1			1	1

### AIR TO GROUND ROCKETS

14-ROCKET PACKAGE	3	3			3			3	3
4-SHOT "ZUNI" PACKAGE	2	3			3			3	2

### SPECIAL STORES AND FUEL TANKS

HEAVY SPECIAL WEAPON					1				
LIGHT SPECIAL WEAPON	1	1			1			1	1
370-GAL. TANK	1								1
600-GAL. TANK	1				1				1

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# **F-110 PRODUCTION SCHEDULE HIGHLIGHTS**

**1ST "NAVY TYPE" DELIVERY.....FEB. 1963**

**29 "NAVY TYPE" DELIVERIES.....SEPT. 1963**

**FIRST RF-110 PROTOTYPE.....JULY 1963**

**FIRST F-110 TAC DELIVERY.....OCT. 1963**

**FIRST RF-110 DELIVERY.....MAR. 1964**

**743 F-110s.....JUNE 1966**

**181 RF-110s.....JUNE 1966**

# PROJECT HOPSCOTCH—HIGHLIGHTS

**F-110 OPERATIONS    LANGLEY/NELLIS**

**24 JAN THRU 16 MAR**

## AVAILABILITY

**COMBAT READY.....78%**

**FLYABLE.....92%**

## UTILIZATION

**FLIGHT HOURS PER MONTH PER A/C.....70.5**

**TOTAL FLIGHT HOURS—2 A/C.....248**

**NUMBER OF SORTIES.....175**

## MAN HOURS

**AVERAGE MAINTENANCE MH/FH.....6.7**

**AVERAGE MAINTENANCE MH/SORTIE.....9.0**

**NOTE: MAINTENANCE MH/FH WILL INCREASE 4 HOURS  
WHEN MAJOR CALENDAR INSPECTION PERFORMED**



# **PROJECT HOPSCOTCH—HIGHLIGHTS**

## **F-110 MULTIPLE WEAPON CAPABILITY**

**NELLIS AFB (3 WEEKS)**

**13 SORTIES WITH LIVE 750s**

**80 EXPENDED**

**1 LEVEL RUN AT 2000 FT. WITH 13 BOMB SALVO**

**10 FIRE BOMB (NAPALM) SORTIES**

**37 ROUNDS EXPENDED 5 STATIONS EMPLOYED**

**22 SORTIES WITH LAU-3 2.75 IN. ROCKETS**

**1000 ROUNDS EXPENDED**

**8 SORTIES WITH MK 76 PRACTICE BOMBS**

**7 RADAR GROUND MAP EVALUATION FLIGHTS**

**OVER 50 ADDITIONAL FAMILIARIZATION FLIGHTS**