

TOP SECRET RUFF

13 December 1965

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Copy 2PHANTOM (F-4) AIRCRAFT

UNITED STATES

FISHPOT (SU-9) AIRCRAFT

USSR

1. WEAPON CATEGORY:

THE F-4 PHANTOM IS A TWIN-ENGINEED,
LONG RANGE, ALL WEATHER INTERCEPTOR AND
ATTACK BOMBER BUILT FOR THE U.S. NAVY.
(U.S. NAVY PHOTO)

THE SU-9 FISHPOT IS A SINGLE-ENGINEED,
MEDIUM RANGE, ALL-WEATHER INTERCEPTOR
BUILT FOR THE USSR AIR DEFENSE FORCES,
PVO STRANY.
(U.S. ATTACHE PHOTO)

2. RESEARCH AND DEVELOPMENT:

FLIGHT TESTING OF THE F-4 PHANTOM TOOK
PLACE AT EDWARDS AFB, CALIFORNIA.
(KH-4 PHOTOGRAPHY)

FLIGHT TESTING OF THE SU-9 FISHPOT
TOOK PLACE AT THE RAMENSKOYE FLIGHT
TEST CENTER.
(KH-7 PHOTOGRAPHY)

3. PRODUCTION:

MCDONNELL CORPORATION AIRFRAME PLANT,
ST. LOUIS, MO. THE FIRST PROTOTYPE
FLEW IN MAY 1958. SINCE 1961 F-4B
MODELS HAVE BEEN PRODUCED FOR THE
NAVY AND MARINE CORPS; THE RF-4B
RECON MODEL PRODUCED FOR THE MARINE
CORPS; R-4C MODEL PRODUCED FOR THE

AIRFRAME PLANT, CHKALOV NO. 153,
NOVOSIBIRSK, USSR. FISHPOT WERE
PRODUCED AT THIS PLANT FROM 1957-
1963. AN ESTIMATED 1200 AIRCRAFT
WERE PRODUCED INCLUDING THE "B" MODEL,
WHICH WAS THE MODEL MOST WIDELY DE-
PLOYED; AN ADVANCED "C" MODEL; AND

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AIR FORCE; AND THE RF-4C MULTISENSOR RECON MODEL FOR THE USAF. ADDITIONAL AIRCRAFT HAVE BEEN PRODUCED FOR THE ROYAL NAVY.

(KH-4 PHOTOGRAPHY)

THE U-SU-9, THE TRAINER VERSION.

(KH-7 PHOTOGRAPHY)

4. DEPLOYMENT:

12TH TACTICAL FIGHTER WING, USAF, CAM RANH BAY AIRFIELD, REPUBLIC OF SOUTH VIETNAM.

(TROJAN HORSE PHOTOGRAPHY)

PF-602 FIGHTER WING (COMINT DESIGNATION) WITH 32 PROBABLE FISHPOT.

ASTRAKHAN AIRFIELD, NORTHWEST, USSR.

5. DESIGN:

MCDONNELL AIRCRAFT CORPORATION, ST. LOUIS, MO.

(KH-4 PHOTOGRAPHY)

SUKHOY SPECIAL DESIGN BUREAU (OKB)

EXPERIMENTAL AIRCRAFT PLANT NO. 51, MOSCOW.

(KH-7 PHOTOGRAPHY)

6. CHARACTERISTICS:

WINGSPAN	-- 38-00 FT	WINGSPAN	-- 26-00 FT
LENGTH	-- 58-03 FT	LENGTH	-- 56-00 FT
GROSS WEIGHT	-- 54,600 LBS	GROSS WEIGHT	-- 27,000 LBS
MAX. SPEED	-- OVER MACH 2	MAX. SPEED	-- 1,206 MPH
COMBAT CEILING	-- 71,000 FT	COMBAT CEILING	-- 71,000 FT

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COMBAT RADIUS AS

- (1) INTERCEPTOR -- OVER 900 MILES
- (2) GROUND ATTACK- OVER 1,000 MILES

ARMAMENT

-- 6 SPARROW III
OR 4 SPARROW II AND 4 SIDE-
WINDER AAM. CAN CARRY ALTER-
NATIVE LOADS OF UP TO 16,000
LBS OF BOMBS AND MISSILES.

COMBAT RADIUS AS

- (1) INTERCEPTOR -- 400-535 MILES
- (2) GROUND ATTACK- NO CAPABILITY

ARMAMENT

-- 4 ALKALI AAM

7. PROPULSION:

THE PHANTOM II IS POWERED BY TWO J-79-
GE-8 TURBOJET ENGINES DESIGNED AND MANU-
FACTURED BY GENERAL ELECTRIC AT THEIR
LOCKLAND AIRCRAFT GAS TURBINE DIVISION
IN CINCINNATI, OHIO. EACH ENGINE IS
CAPABLE OF 17,000 LBS STATIC THRUST WITH
AFTERBURNERS.

THE TYPE 31 TURBOJET ENGINE USED TO
POWER THE FISHPOT WAS DESIGNED BY
THE LYULKA SPECIAL DESIGN BUREAU
(OKB) AT EXPERIMENTAL AIRCRAFT ENGINE
PLANT NO. 165, MOSCOW. SERIES PRODUC-
TION OF THE TYPE 31 ENGINE HAS TAKEN
PLACE AT AIRCRAFT ENGINE PLANT NO. 45,
MOSCOW. THE TYPE 31 MILITARY TURBO-
JET ENGINE IS RATED AT APPROXIMATELY
15,000 LBS STATIC THRUST WITH AFTER-
BURNERS.

(KH-4 PHOTOGRAPHY)

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FISHBED (MIG-21) AIRCRAFT CHINA

1. WEAPON CATEGORY:

THE MIG-21 FISHBED IS A SINGLE-ENGINE, CLEAN AIR MASS INTERCEPTOR.

(U.S. ATTACHE PHOTO)

2. RESEARCH AND DEVELOPMENT:

USSR.

3. PRODUCTION:

THERE IS NO KNOWN ACTIVE SERIES PRODUCTION OF FISHBED IN CHINA AT PRESENT.

4. DEPLOYMENT:

WU-HU AIRFIELD, CHINA.

UNIDENTIFIED UNIT CT 1043 (COMINT DESIGNATION) WITH 7 FISHBED. IT IS ESTIMATED THAT BETWEEN 25 AND 30 MIG-21 AIRCRAFT WERE RECEIVED FROM THE USSR. (CHURCH DOOR PHOTOGRAPHY)

5. DESIGN:

MIKOYAN SPECIAL DESIGN BUREAU, EXPERIMENTAL AIRCRAFT PLANT 155, MOSCOW, USSR.

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6. CHARACTERISTICS:

WING SPAN	24 FT
LENGTH	39 FT
GROSS WEIGHT	17,842 LBS
MAX. SPEED	SLIGHTLY OVER MACH 2
COMBAT CEILING	61,000 FT
COMBAT RADIUS	420-510 NM
ARMAMENT	2 ATOLL AAM

7. PROPULSION:

POWERED BY R-11F 300 TURBO-JET ENGINE.

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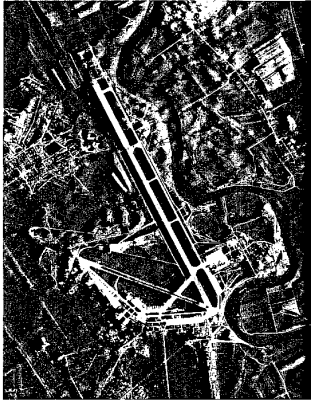
DEPLOYMENT
ASTRAKHAN AIRFIELD NORTHWEST, USSR



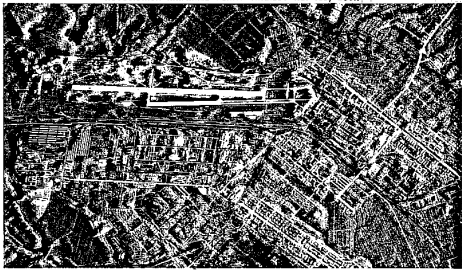
FISHPOT (SU-9) AIRCRAFT USSR



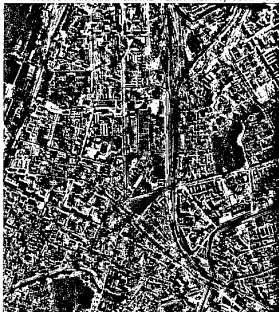
RESEARCH AND DEVELOPMENT
RAMENSKOYE FLIGHT TEST CENTER, USSR



PRODUCTION
NOVOSIBIRSK AIRFRAME PLANT CHKALOV NO. 153, USSR



ENGINE MANUFACTURING
MOSCOW AIRCRAFT ENGINE PLANT NO. 45, USSR



MAP OF USSR WITH FACILITY LOCATIONS:
- MOSCOW AIRCRAFT ENGINE PLANT NO. 45
- RAMENSKOYE FLIGHT TEST CENTER
- ASTRAKHAN AIRFIELD (DEPLOYMENT)
- NOVOSIBIRSK AIRFRAME PLANT CHKALOV NO. 153

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