

~~TOP SECRET~~

SCHEDULE OF EVENTS - 9 SEPTEMBER

<u>TIME</u>	<u>EVENT</u>
Approximately 1200	Guests arrive North Base via C-130
1210 - 1240	U-2R demonstration flight
1245 - 1330	Lunch in cafeteria
1330 - 1445	Commander's briefing in Commander's office
1445 - 1615	Hangar #1 equipment display
1615 - 1700	Critique in Commander's office
1700	Guest depart by auto for quarters in Lancaster

~~TOP SECRET~~

~~TOP SECRET~~

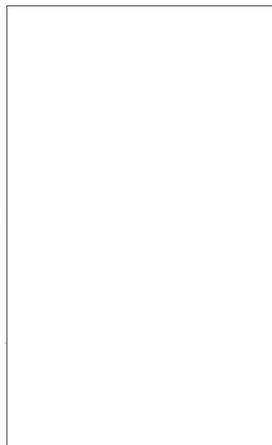
DETACHMENT PERSONNEL LUNCHEON WITH DISTINGUISHED VISITORS

- Commander designate
- Commander
- Acting Deputy Commander
- Director of Operations
- Director of Support
- Director of Life Support
- Flt Leader Booth - Flight Planner
- Driver

~~TOP SECRET~~

~~TOP SECRET~~

DETACHMENT PERSONNEL DINING WITH DISTINGUISHED VISITORS

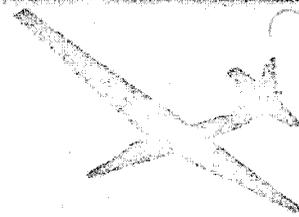


- Commander designate
- Commander
- Acting Deputy Commander
- Director of Operations
- Director of Support
- Driver
- Driver
- Flight Surgeon

EVENING SCHEDULE - 9 September 1969

1930 hours - Desert Inn Motel, Wine Cellar, for cocktails followed by dinner

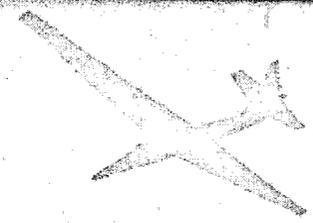
~~TOP SECRET~~



~~TOP SECRET~~

WELCOME

~~TOP SECRET~~



MISSION

~~TOP SECRET~~

PRIMARY

- MAINTAIN THE RECONNAISSANCE CAPABILITY TO COLLECT COVERT PHOTOGRAPHIC & ELECTRONIC INTELLIGENCE OVER DENIED TERRITORIES.

SECONDARY

- OPERATIONAL TRAINING
- TESTING & OPERATIONAL DEVELOPMENT OF PROJECT EQUIPMENT
- EVALUATION OF TACTICAL DATA
- CARBON TRAINING & SUPPORT
- IMPLEMENT JACKSON PROGRAM
- DOD SUPPORT

~~TOP SECRET~~

U-2 ATTRITION A,C,D,F & G MODELS

~~TOP SECRET~~

PURCHASED 55 AIRCRAFT 1956

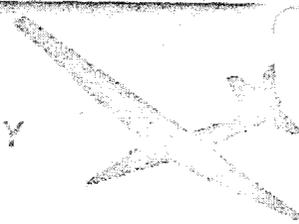
	A/C	1130th		SAC		GRC	
	LOST	TRAIN	OPS	TRAIN	OPS	TRAIN	OPS
1956 - 60	15	5	1	9			
1961	2	1				1	
1962	4			2	1		1
1963	3			1		1	1
1964	4			1		2	1
1965	3	1				2	
1966	6	1		2	1	2	
1967	3			2			1
1968	1			1			
1969	<u>1</u>						<u>1</u>
	42	8	1	18	2	8	5

TOTAL A/C LOST 42: LEAVING 13 A/C IN THE INVENTORY

~~TOP SECRET~~



U2 OPERATIONAL/DEVELOPMENT HISTORY

~~TOP SECRET~~

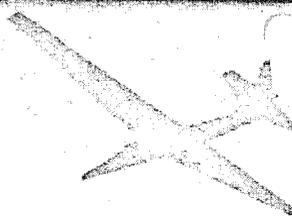
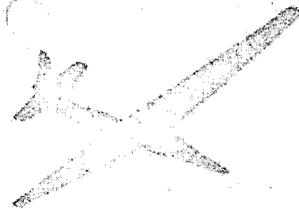
OPERATIONAL

SOUTHEAST ASIA ----- 61-65
 SWAP SHOP ----- 61-69
 CUBA ----- 62
 SOUTH CHINA ----- 63-65
 SOUTH PACIFIC ----- 64
 SCOPE SAINT I & II ----- 67-69
 OIL SLICK ----- 69
 SNOW SURVEY ----- 69

DEVELOPMENT

INFLIGHT REFUELING ---- 62-66
 CARRIER OPERATIONS ---- 63-68
 U2C WEIGHT REDUCTION - 64-67
 U2R APPROVAL/OR ---- 66-69
 SENSOR EMPLACEMENT --- 68
 ELINT DRONE ----- 69

~~TOP SECRET~~



FLEET DISPOSITION

~~TOP SECRET~~

IDEALIST	U-2R	U-2A-G
CACTUS	4	3 *
CARD	2	0
USAF		
SAC	6	7 *
AFSC	0	3
LAC	0	0

* 6 STORAGE

~~TOP SECRET~~



68-69 PROJECTS

*1 year #
no.*

~~TOP SECRET~~

● SCOPE SAINT

Oct 13-23

● CHAMELEON

Paint

● CHITTERS

Earth resource?

● NEW LOOK

Update FWS

● BLUE GULL

Carrier

●



● QUIET U-2

● RED DOT

EK

●



● WARM SPRINGS

Flight recorder

● IRIS

~~TOP SECRET~~

U-2 EWS SYSTEMS

~~TOP SECRET~~

6 B ELINT COLLECTION

21 ELINT COLLECTION (VHF)

17 B ELINT COLLECTION (AUTO SCANNER - RADAR BANDS)

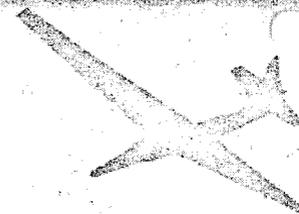
12 SAM/INTERCEPTOR WARNING

13 SAM JAMMER

MK-III A SAM FIRING ALERT QUADRANT INDICATION

20 INTERCEPTOR WARNING I R

~~TOP SECRET~~



U2 PHOTOGRAPHIC SYSTEMS

~~TOP SECRET~~

A - 2

Oldest camera

FFD

La stored at TI

BAKER

Old standby

H

side locker

CHITTERS

IRIS

DELTA III

tick
Oil slick pictures

TRACKER

Where was just

~~TOP SECRET~~



~~TOP SECRET~~



~~TOP SECRET~~



~~TOP SECRET~~

CARRIER OPERATIONS

3 test 63
2 ops 64

~~TOP SECRET~~



U-2C/R COMPARISON

~~TOP SECRET~~

PAYLOAD CAPACITY

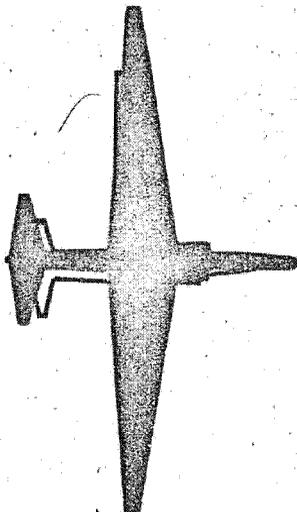
U-2C 100 CU. FT.

U-2R 178 CU. FT.

FUSELAGE LENGTH

U-2C 49 FT. 8.4 IN.

U-2R 62 FT. 1 IN.

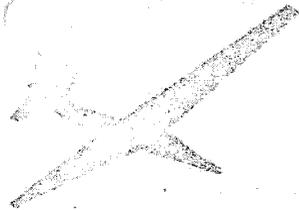


WING SPAN

U-2C 80 FT.

U-2R 103 FT.

~~TOP SECRET~~



ADVANTAGES OF 'R' MODEL

~~TOP SECRET~~

INCREASED

- RADIUS OF ACTION *2600 m*
- RANGE *6000 m or 15 hrs*
- ALTITUDE
- DRIVER COMFORT
- DRIVER SURVIVAL
- DEFENSIVE SYSTEMS
- COLLECTION SENSORS
- SYSTEMS/SENSORS FLEXIBILITY
- PRODUCT QUALITY
- TACTICAL MANEUVERABILITY
- MAINTENANCE ACCESSIBILITY

~~TOP SECRET~~

PERSONNEL

15% force reduction

~~TOP SECRET~~

	<i>Jun 68</i>	<i>now</i>		
USAF OFFICERS (1 USN)	14	15 (-1)	LSI	2
USAF ENLISTED	41	42	ARO	2 1
AGENCY STAFF	25	26	TRW	1
AGENCY CONTRACT	20	19	GPL	1
<div style="border: 1px solid black; width: 100px; height: 40px; display: inline-block;"></div>	4		DAVID CLARKE	2 1
			HRB SINGER	1
LOCKHEED	78	42	SYLVANIA	1
HYCON	8	7	HUGHES	7 5
FAIRHALL & ASSOC	1		BENDIX	1
ITEK	7	6	EASTMAN KODAK	
PERKIN ELMER	3	0	MARK SYSTEMS	
SANDERS	1		BEECH	
PLANT PROTECTION (LAC)	25	20	ASTRO SCIENCE	
COLLINS	4	3	AEROJET	
PRATT WHITNEY	1			

TOTAL ~~201~~ 201

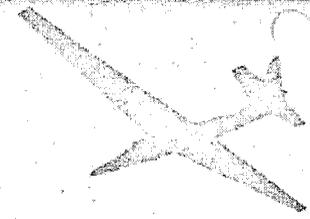
~~TOP SECRET~~

DRIVER EXPERIENCE

~~TOP SECRET~~

NAME	FLYING TIME		PROJECT	
	U-2	TOTAL	ENTRY	EXIT
[REDACTED]	1911	4911	56	70
	1630	4384	56	71
	1955	4312	56	71
	930	4931 ^R		INDEF
	295	2768	67	70
	251	3421	68	73
	243	4093	68	73
	141	1972 ^R	68	71

~~TOP SECRET~~



DEPLOYMENT CONCEPT

~~TOP SECRET~~

PHASE 1 ● ● ● ● ● SINGLE MISSION

1 - a/c
1 C-141

PHASE 2 ● ● ● ● ● 3-5 MISSIONS

1 or 2 a/c
2 C-141

PHASE 3 ● ● ● ● ● SUSTAINED OPERATIONS

1 or 2 a/c
4 C-141
for 90 days

~~TOP SECRET~~

~~TOP SECRET~~

ADVANTAGES OF NORTH BASE

ENVIRONMENT

COVER

ECONOMICS

~~TOP SECRET~~

~~TOP SECRET~~

ADVANTAGES - NORTH BASE

Environment

Weather - 347 - 353 days flyable

Runway traffic - our control

Air Space - Unlimited to Northeast

Alternates - Lakebed and other fields

Logistics - Travel and shipping

Technical assist - Aerospace industry

Base Support - Housing, Civil Engineer, BX, Commissary, Vehicle Maintenance, Crash and Rescue, LOX, Fuel, Hospital

Near Area 51 - EWS range, available for sensitive projects

Proximity to civilian communities - satisfactory housing and facilities

Cover

Physical isolation

Other flight test activities of greater public interest

Diversity of units and manning

Multiplicity of classified programs

1130th Aerospace Technical Development and Training Group

Proximity to normalized housing for drivers, , and their families.

~~TOP SECRET~~

~~TOP SECRET~~

ADVANTAGES - NORTH BASE (Continued)

Economics

Essentially free operating base

Parasitic base support

Adjacent military/civilian housing

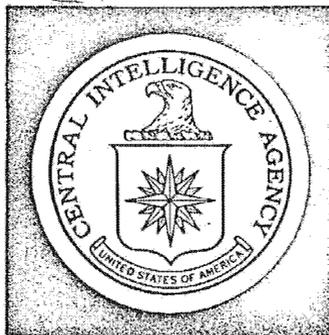
Low TDY costs

Improved selection and retention

~~TOP SECRET~~

~~TOP SECRET~~

CACTUS



IDEALIST

PECULIAR CAPABILITIES

CARRIER CAPABILITY

REACTION

FOREIGN INVOLVEMENTS

COVERT SYSTEM

~~TOP SECRET~~

~~TOP SECRET~~

IDEALIST PECULIAR CAPABILITIES

1. Carrier capability

Unique to Agency U-2s

U.S. and carrier qualified

Det "G" aircraft equipped

Det "G" support personnel trained

Operational implications

Diminishing overseas U.S. bases

Coverage not limited by geography

2. Reaction

Positive and direct Command and Control

Minimum intervening echelons

Straight line communications

Proper delegation of authority

Selectivity of action and info addressees

Flexibility to situations - Recitals thru narrative

~~TOP SECRET~~

~~TOP SECRET~~

IDEALIST PECULIAR CAPABILITIES (Continued)

Advanced state of operational readiness

formatted messages

Detailed and diverse preplanned postures

Available O.R. aircraft and equipment

Prestocked portable spares and equipment kits

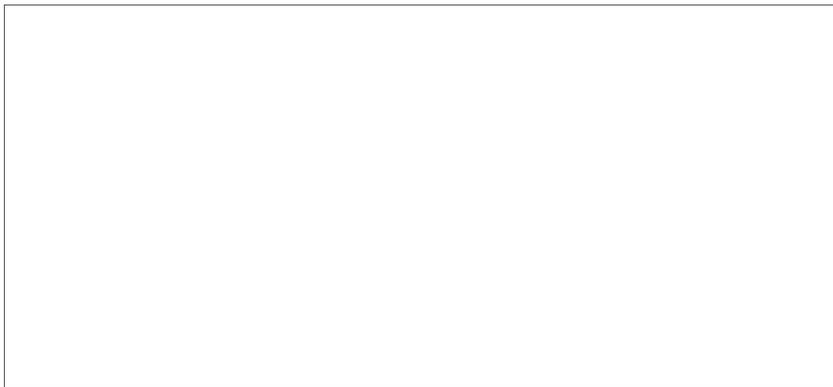
Teams administratively ready

Simplified execution

Self contained operation unit

Built in system for replenishment and emergency support

3. Foreign Involvements



Pilot training

Support (drivers, logistics, tech reps, BW, commo, life support)

~~TOP SECRET~~

~~TOP SECRET~~

IDEALIST PECULIAR CAPABILITIES (Continued)

4. Covert System

World-wide covert organization and facilities

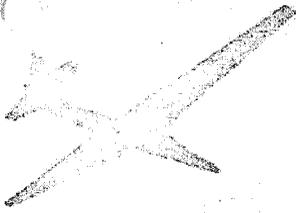
Access to foreign and U.S. political and intelligence communities

Multi-national cleared and secure operating locations

Cleared pool of technical expertise

Secure "narrow band" policy, commo, collection, processing, evaluation channels - North Base to SOG

~~TOP SECRET~~



~~TOP SECRET~~



END

~~TOP SECRET~~



FISCAL YEAR 1969 SORTIE BREAK-DOWN

NEW LOOK - 51

HARD HAT - 6

[Redacted]

AMERICAN TRAINING - 16

[Redacted]

CHINESE TRAINING - 72

SAC - 28

CONFIG QUALIFICATIONS:

A-2 - 2

B - 12

IRIS - 20

DELTA - 3 - 13

H - 16

[Redacted]

MAINTENANCE - 32

DOPPLER - 16

FUEL TESTS - 5

VIBRATION AND TEMPERATURE - 4

FLAME OUT - 2

TACAN - 2

[Redacted]

ADF - 2

[Redacted]

RED DOT - 21

CHITTERS - 11

[Redacted]

OIL SLICK - 1

SNOW SURVEY - 17

[Redacted]

SCOPE SAINT - 9

[Redacted]

SWAP SHOP - 6

TACTICS - 2

AIR ABORTS - 33

during last phase of R

Oxygen, Kon, Canopy

CRITICAL ASSETS

U-2R

	<u>Edwards</u>	<u>Tao Yuan</u>
Sys 6B	4	2
12ER	3	3
13C	9	4
17B	1	1
20	1	3
21	5	3
OS MKIIIA	5	3
*Mc Recorder	10	9
*Doppler	7	2
Intrg EWS Display	12	3
13-C Distruct	3	2
*Selcal	10	2
Recorders for Sys 17B	1	3
AMU	4	3
Time Code Gen	5	4
Tracker	7	4
*Iris II	2	2
*H Camera	1	1
*Delta III	1	1
*B2	3	0

U-2C

6A	4
9B	3
12C	5
13C Combined U-2R	
17 Combined U-2R	
*21 Combined U-2R	
*OS MKIII Combined U-2R	
Time Code Gen Combined U-2R	
*Tracker Combined U-2R	

5 US pilots O/R

5 Chimes O/R

4 R's Edwards

2 R's Tao Yuan

3 C Edwards

FUEL STORAGE

Edwards	120,000
Tao Yuan	135,000
Kimsan	13,200
Tahkli	5,400
<input type="text"/>	16,887

A. 349SRS (TOTAL 35 OFFICERS, 5 AIRMEN):

- 18 Aircrews
- 9 Navigators
- 6 OL Commanders
- 2 Squadron Staff (C and Deputy)
- 5 Airmen

B. Security Police:

- 35 Airmen

C. Avionics (AEMS):

- 3 Officers
- 103 Airmen

D. OMS:

- 1 Officer
- 62 Airmen

E. FMS:

- 1 Officer
- 60 Airmen

F. Physiological Support:

- 3 Medical Officers
- 2 Physiological Officers
- 55 Airman
- 1 Civilian (Secretary)

G. Wing Staff:

- 2 Flight Scheduling Officers
- 1 Stand Board Officer
- 3 Intelligence Officers
- 24 Airmen

H. Base Support:

- 55 Airmen (Portion of DMA Support for Messing, Personnel, Records, Transportation, Finance, Etc.)

TECH REPS

(Davis Monthan)

LAC	-	5	(Acft, Nav Sys, Auto Pilot)
ITEC	-	2	(Camera)
TRW	-	3	(Elint)
ARO	-	2	(Seat Kits)
David Clark	-	1	(Suits)
Ario Jet		1	(ECM)
EDL	-	<u>1</u>	(ECM)
TOTAL		14	

SUPPORT AIRCRAFT AT DAVIS MONTHAN IN SUPPORT OF THE U-2 OPERATION

a. 6 ea T-33 aircraft

(1) Estimate that 4 1/2 aircraft are required to support the crew force.

(2) 8 ~~Aug~~^{Staff} assigned personnel fly the T-33.

b. 3 ea U-3 aircraft

(1) Aircraft are justified as chase aircraft for the U-2.

(2) The aircraft are flown by the staff.

c. 2 ea C-118 aircraft are assigned to base flight at Davis Monthan. They are not in direct support of the U-2 operation, but are used to provide flying time to six navigators assigned to the U-2 program. Any acft could be utilized for this purpose.

26,500 articles stored 62 people



2M AF peculiar
10M common

CIA does P&D for suits and all.

~~100%~~

Modified U-2

10 to 14 M

Elint

Demonstrate
4 wks
150 K

Sched
1 Jan 70

Lipton

MIG-21

	will	will
SR	some	
O	some	
T	low	
CA	high	low

2R 20 to 30% P₂

Chinese settled on SA-2.

Bin Sling

No terminal

Same beacon

Maybe LORO

Not exotic ECCM.

5% SAM kill / SAM.

13D: this year

24: op prototype 1 yr from now

26: dev prototype 9mo " " + 9mo for op prototype

chaff: ditto