Thunder Bay
MINNESOTA
ONTARIO
CANADA
47 deg 46' N
87 deg 04' W
Last position?
40 Mi.
Lake Superior
Keweenaw Pt
70 Miles
160 Miles
Houghton
Ashland
Marquette
Munising
Sault Ste. Marie
Kinross AFB
MICHIGAN
UNITED STATES
Manistique
St. Ignace
Iron Mountain
Escanaba
Rhinelander
Cheboygan
Lake Huron
Lake Michigan
Rogers City
WISCONSIN
Charlevoix
Petoskey
Medford
Merrill
Antigo
Wausau
Gaylord
Alpena
Marinette
Sturgeon Bay
Shawano
Oconto
Marshfield
Stevens Point
45 deg 00' N
86 deg 49' W
Last pos per Acc Rpt
Traverse City
Wisconsin Rapids
Green Bay

AIRCRAFT FLIGHT REPORT—Part I

DATE	AIR FORCE OR COMMAND	BASE UNIT	GROUP NUMBER AND TYPE	SQUADRON NUMBER AND TYPE	STATION
23 NOV 53	A D C	4706TH A.C. WING	520TH AD GROUP	433rd FIS	KINROSS AFB MICH

ENGINEER OR MECHANIC IN CHARGE	GRADE	AIRCRAFT TYPE, MODEL, SERIES	AIRCRAFT SERIAL NO.
GRINNIS, R.	A/2C	F-89C	51-5853A

PRINT PLAINLY Last Name—First Name—Middle Initial—Grade—SN—(Organization and Station if Transient).	USE AS DIRECTED LOCALLY	ENTER DUTY SYMBOL IN UPPER LEFT BOX AND FLIGHT CONDITIONS SYMBOL IN UPPER RIGHT BOX—ENTER TIME FLOWN ON LINE THEREUNDER								FLIGHT DATA	TIME
		DUTY	FLT. COND.	DUTY	FLT. COND.	DUTY	FLT. COND.	DUTY	FLT. COND.		
1	2	3		4		5		6			9
SCHUMANN, RICHARD H. 1st Lt A02222865	T-3 :30	P	W	P						TO: LOCAL	12 45
	1-3 :15		:30		:30					FROM:	
ROCKWELL, HIEL L. JR: 2nd Lt A0222604[illegible]	T-3 :30	VO									11 45
	1-3 :15	1	00							MISSION: 0 NO. OF LANDINGS: 1	1 00
C-2 (3) C3 - 1 (3)											
										TO:	
										FROM:	
A CERTIFIED TRUE COPY										MISSION: NO. OF LANDINGS:	
David C. Collins										TO:	
DAVID C. COLLINS										FROM:	
Captain, USAF										MISSION: NO. OF LANDINGS:	
Aircraft Accident Investigating Officer											
										TO:	
										FROM:	
										MISSION: NO. OF LANDINGS:	
										TO:	
										FROM:	
										MISSION: NO. OF LANDINGS:	
ENTER TOTAL FLIGHT TIME ON REVERSE SIDE										SubTOTAL FORWARDED: NO. OF LANDINGS:	

AF FORM 1
1 Mar 51

23 November 1953 A/C NO 51-5853A Lt. Moncla

AIRCRAFT INSPECTION AND MAINTENANCE RECORD—Part II

PAGE 1 OF 1 PAGES

10. DATE	11. CREW CHIEF	12. ORGANIZATION	13. LOCATION	14. AIRCRAFT DATA	
				TYPE, MODEL, AND SERIES	SERIAL NO.
23 Nov 53	Grimwis, R A/2C	433rd F.I.S.	Kinross AFB Kinross Mich	F-89 C	51-5853A

15. INSPECTION STATUS			
NEXT MAJOR INSPECTION DUE NO.			
TYPE	DUE		COMPLETED
PREFLIGHT			22 Nov 53
POSTFLIGHT			22 Nov 53
(7) PED	237:05		
( )			

CALENDAR INSPECTION STATUS	
TYPE	DATE DUE
INTERMEDIATE	
MAJOR	

16. STATUS TODAY

17. EXCEPTIONAL RELEASE

1.	—	5.		1.	Lt Schuman (BIK# 1)	5.	
2.		6.		2.		6.	
3.		7.		3.		7.	
4.		8.		4.		8.	

ASSIGNMENT - ADC.....C/C AB #1, AB #II 18. TIME Possession - ADC.....C/C

ITEM	AIRCRAFT	ENG NO. 1	ENG NO. 2	ENG NO. 3	ENG NO. 4	ENG NO. 5	ENG NO. 6	ENG NO. 7	ENG NO. 8	APU
TIME SINCE NEW OR D.I.R.	219:10	16:05	16:05	10:20	10:20					
HOURS TODAY										
TOTAL HOURS										
OIL CHANGE DUE		E/C	E/C	N/A	N/A					

19. FUEL (GALLONS)				20. OIL (QUARTS)														21. COOLANT CHECKED	22. OXYGEN CHECKED	23. SERVICED	
	GRADE	SERVICED	IN TANKS	NO. 1		NO. 2		NO. 3		NO. 4		NO. 5		NO. 6		NO. 7		NO. 8				BY	STATION
				SER.	IN	SER.	IN	SER.	IN	SER.	IN	SER.	IN	SER.	IN	SER.	IN	SER.	IN				
1.	JP-4		1570		13		13														C	Custer	Kinross
2.	JP-4	882	1570		13		13														D	Dahlis E	Kinross
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							

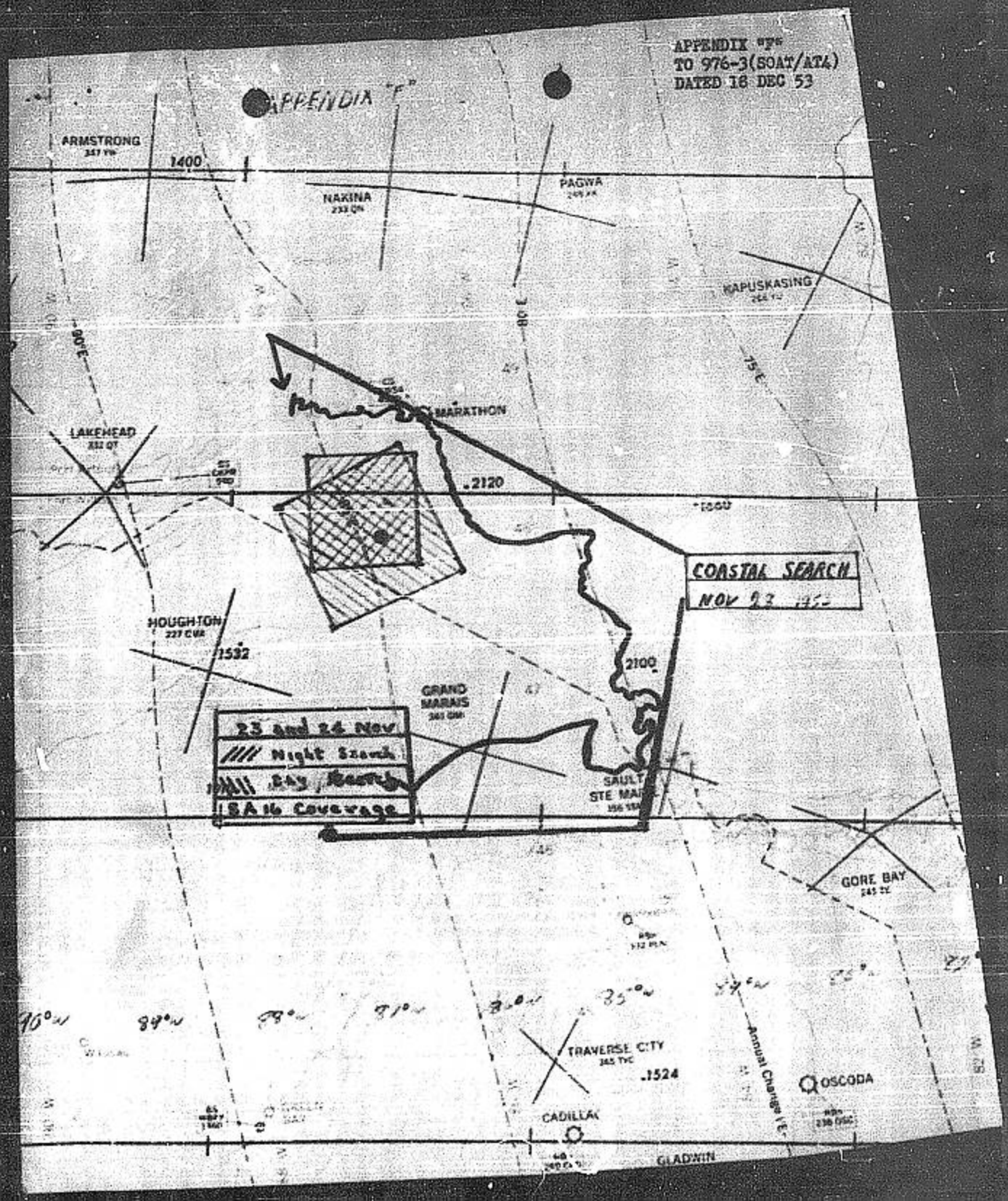
25. SYSTEM	26. SYM.	24. PILOT'S AND MECHANIC'S REMARKS (PRINT ONE DEFECT ON ONE LINE)	27. CORRECTIVE ACTION	27A. TIME	28. SIGNATURE
		Confidential Equipment Instlled			
15	—	(20 Sept 53) Compass String o/D			
6	/	(1 Nov 53) Small Canopy Chain Removed			
16	/	(17 Nov 53) Radio Compass Turns 120 KC Lower than it reads from both cockpits	Set Replaced	1:00	Beckog, R.
2	R	A/C Preflight	Completed 23 Nov 53	:30	Regan A.A.

AF Form 1 (Mar 48)

23 November 1953 A/C NO 5853A Lt. Moncla

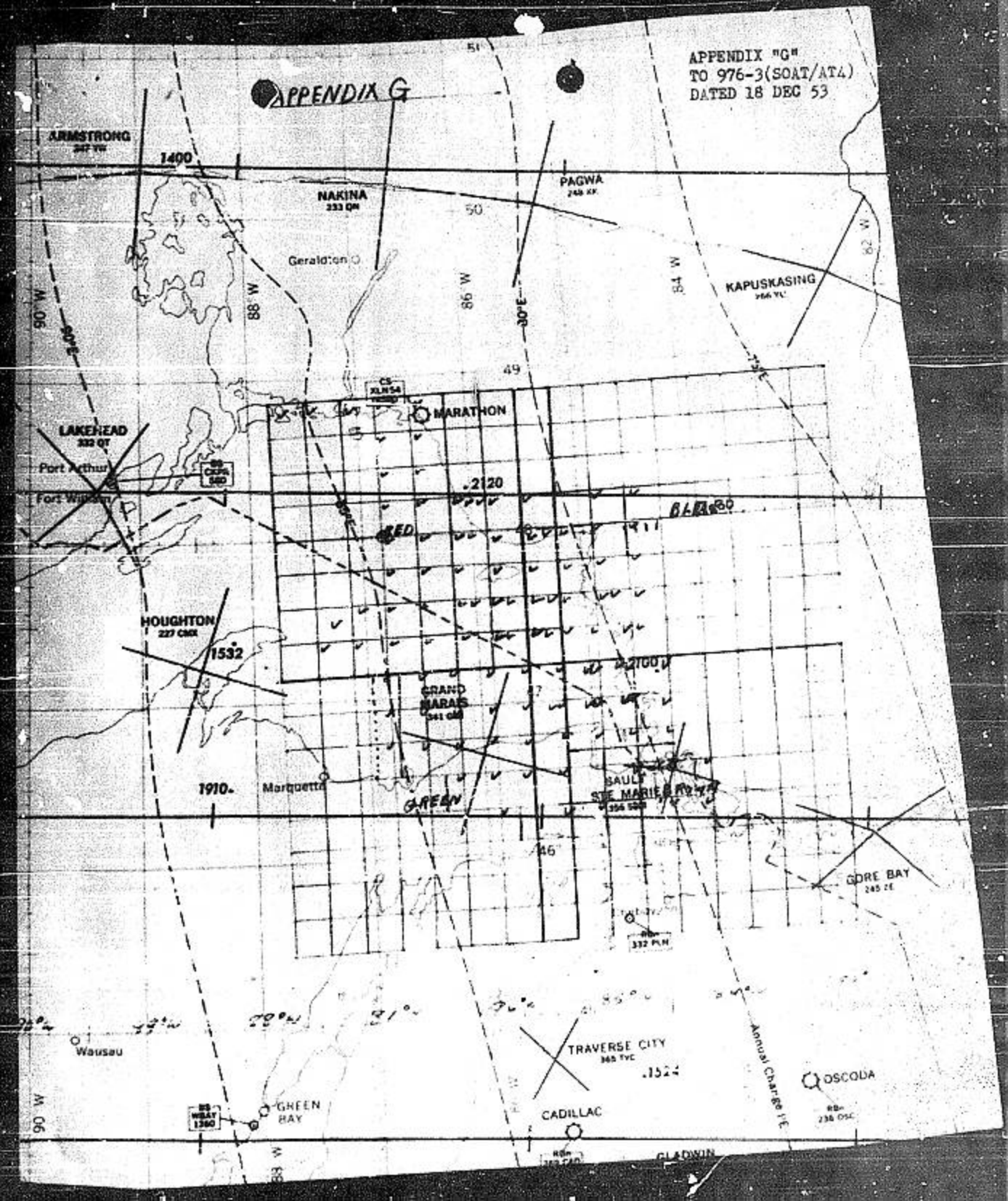
26. SYSTEM	26. SYM	26. PILOT'S / NO MECHANIC'S REMARKS (PRINT ONE DEFECT ON ONE LINE)	27. CORRECTIVE ACTION	27A. TIME	28. SIGNATURE
		FLT # 10K R H Schuman 1st Lt			
		THIS IS A CERTIFIED TRUE COPY OF THE ORIGINAL FORM 1 PART II			
		DAVID C. COLLINS			
		Captain, USAF			
		Aircraft Accident Investigating Officer			

APPENDIX "F"
TO 976-3(SOAT/AT4)
DATED 18 DEC 53



APPENDIX "G"
TO 976-3(SOAT/AT4)
DATED 18 DEC 53

APPENDIX G



DELAYED CORRECTION DISCREPANCY LIST—Part III

AIRCRAFT TYPE, MODEL, AND SERIES: F-89C

AF SERIAL NO.: 51-5853A

29. SYSTEM NO.	30. SYMBOL	31. DISCREPANCY	32. ENTRY APPROVED BY	33. DATE FROM PART II	34. DATE TO PART II
17		(21 Apr53) TO 01-1-476 Insp. Replacement Exchange of	Richards, R.	21Apr53	
		Type B-8 Stick Grips N/1/S			
14	M	(5May53) TO-1-15FD-100 Mod of Starting Circuit N/1/S	Richards, R.	5May53	11Jul 53
7	D	(5May53) TO.-2B-1050-46 Mod of 8th Stage Stator Vane	Richards, R.	5May 53	20 Oct53
		Ring Assy (Depot Overhaul.)			
7	D	(14 May53) TO.2B-1050 J-27 Replacement of Ice Indicator SW N/1/S	Richards, R.	14May53	20 Oct53
7	G	(14May53) Lead Seal Missing of L.H. Eng Air Screen Accumulator N/1/S	Richards, R.	14May53	20 Oct53
17	S	(20May53) Lower Lt Gun fedder heater connection Broker N/1/S	Richards, R.	20May53	9 Oct 53
17	D	(3 Jul53) TO.11-1-111 Insp & Mod of Clover Leaf SW Assy	Richards, R.	3 Jul53	9 Oct 53
		Control Stick (No Equip)			
3		(3 Jul53) TO.01-15FDC-1 Not in A/C	Richards, R.	3Jul 53	
3	G	(25Aug53) TO.01-1-614 Insp Adj & Rpl of Shoulder Harness Reel N/1/S	Richards, R.	25Aug53	18Sep 53
		(25Aug53) TO.02B-1-17 Compounding the ignition system N/1/S	Richards, R.	25Aug53	
8	M	(25Aug53) TO.01-15FD-193 Modif of Sump Tank Drain Line awaiting insp	Richards, R.	25Aug53	26 Aug53
7	G	(25Aug53) TO.2B-1050-47 Inst Cushions on Comp Air inlet screens N/1/S	Richards, R.	25Aug53	20Oct53
17	S	(25Aug53) TO.39A-5BA-22 Relocation of Bracket waiting insp on 20mm 2E4 m2R5	Richards, R.	25Aug53	26Aug 53
3	D	(25Aug53) TO.01-1-618 Moisture Proofing Fuel Valve Act N/1/S	Richards, R.	25Aug53	13 Oct53
16		(25Aug53) TO.03-15FDC-172 R.O's interphone cutout SW install N/1/S	Richards. R.	25Aug53	
3	M	(25Aug53) TO.01-15FD-200 Insp of Wing Spare Caps awaiting M4 Insp	Richards, R.	25Aug 53	13 Oct53
7-1	D	(25Aug53) Stud Broken on A/B P1 Pressure Probe N/1/S	Richards, R.	27 Aug 53	20 Oct53

30 Sept 53 1953 A/C 50-13-5853A Lt. Hamlin

29. SYSTEM NO.	30. SYMBOL	31. DISCREPANCY	32. ENTRY APPROVED BY	33. DATE FROM PART II	34. DATE TO PART II
14	M	(25Aug53) Nav, Lights Inspection on Flash N/1/S		27Aug53	8 Oct53
7-2	D	(25Aug53) Turbine Blanket Assy, Deteriorated N/1/S		27Aug53	20 Oct53
6	G	(25Aug53) Canopy Seal Frayed N/1/S		1 Sep53	19 Sep53
17	D	(25Aug53) Nose Assy Gun Missing N/1/S		3Sep 53	17 Sep 53
17		(9Oct53) 1 A.H. Feeder Missing N/1/S		9 Oct 53	
7		(12 Nov 53) TO-02B-1050-73 N/CWRemoval of Latch		13 Nov 53	

THIS IS A CERTIFIED TRUE COPY OF THE ORIGINAL FORM 1 PART III

David C. Collins

DAVID C. COLLINS
Captain, USAF
Aircraft Accident Investigation Officer

INDIVIDUAL FLIGHT RECORD

AIRCRAFT OBSERVER

(1) SHEET NO. 8

(2) PERIOD NO. NOV YEAR 1953

PREPARING ORGANIZATION		(6) RATING AND ENTRY	(7) NAME: LAST FIRST MIDDLE
(3) AF OR COMMAND	(4) FJ (GROUP OR SQ)	A(OBS)	WILSON, ROBERT L.
ADF	433rd Ftr Intcp Sq 28 May 1953		
(5) STATION		(8) YEAR OF BIRTH	(9) GRADE
TRUAX FIELD, MADISON, WISCONSIN		1931	2nd Lt AFRES

(10) A. S. N. A03005692

TABLE I

DATE	AIRCRAFT TYPE MODEL SERIES	MISSION SYMBOL	DUTY SYMBOL	NO. LANDINGS	FLYING TIME DAY	FLYING TIME NIGHT	SYNTHETIC TRAINER	USE AS DIRECTED LOCALLY				TO—	FROM—
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
3	F-89C	0	VO	1	1:30								
3	F-89C	0	VO	1	1:40								
4	F-89C	0	VO	1	1:15								
5	F-89C	0	VO	1	1:10								
6	F-89C	0	VO	1	1:30								
7	F-89C	0	VO	2		1:50							
16	F-89C	0	VO	1	1:45								
18	F-89C	0	VO	1		1:30							
23													

NO Involved in Major Accident in F-89 Type aircraft this date (FATAL)

Closed Out- End of Month

(25)	TOTALS THIS SHEET	8:50	3:20
(26)	TOTALS BROUGHT FORWARD SHEET NO. 6	75:35	8:10
(27)	TOTALS TO DATE	84:25	11:30

(28) TYPED NAME OF OPERATIONS OFFICER CERTIFYING: RICHARD A. JONES

(29) CERTIFIED CORRECT SIGNATURE OF OPERATING OFFICER

(30) GRADE: CAPTAIN

TABLE II

SUMMARY OF FLYING TIME BY DUTY

TYPE DUTY (1)	FLYING TIME DAY (2)	FLYING TIME NIGHT (3)	TOTAL AAF TIME (4)	AAF STUDENT (5)	OTHER U. S. MILITARY (6)	FOREIGN MILITARY (7)	CIVILIAN (8)	TOTAL (9)
(10) Obs	84:25	11:30	95:55	110:50				206:45
(11)								
(12)								
(13)								
(14)								
(15)								
(16) TOTALS	84:25	11:30	95:55	110:50				206:45

(17) COMBAT OBSERVER TIME		None

U. S. GOVERNMENT PRINTING OFFICE 16—93702-3

Page compressed by CUFON

INDIVIDUAL FLIGHT RECORD (*Pilot*)

1. MONTH AND YEAR: NOVEMBER 1953 | 2. SHEET NO.: 8

3. AF OR COMMAND: EADF | 4. WING, GROUP AND SQUADRON OR UNIT: 433rd Fighter Interceptor Squadron

5. LAST NAME—FIRST NAME—MIDDLE NAME: MONCLA, Felix E. Jr.

6. STATION AND LOCATION: TRUAX FIELD, MADISON, WISCONSIN | 7. DUTY AFSC: 11215

8. ORIGINAL RATING AND DATE: Plt 9 Feb 1952 | 9. PRESENT RATING AND DATE: SAME | 10. [X] WHITE [ ] GREEN [ ] NO INST CERT — DATE OF EXPIRATION: 21 Oct 1954

11. DATE OF BIRTH (Day, Mo., Yr.): 21 Oct 1926 | 12. SERVICE NO.: A0185910 | 13. GRADE AND COMPONENT: 1st Lt (AFRES)

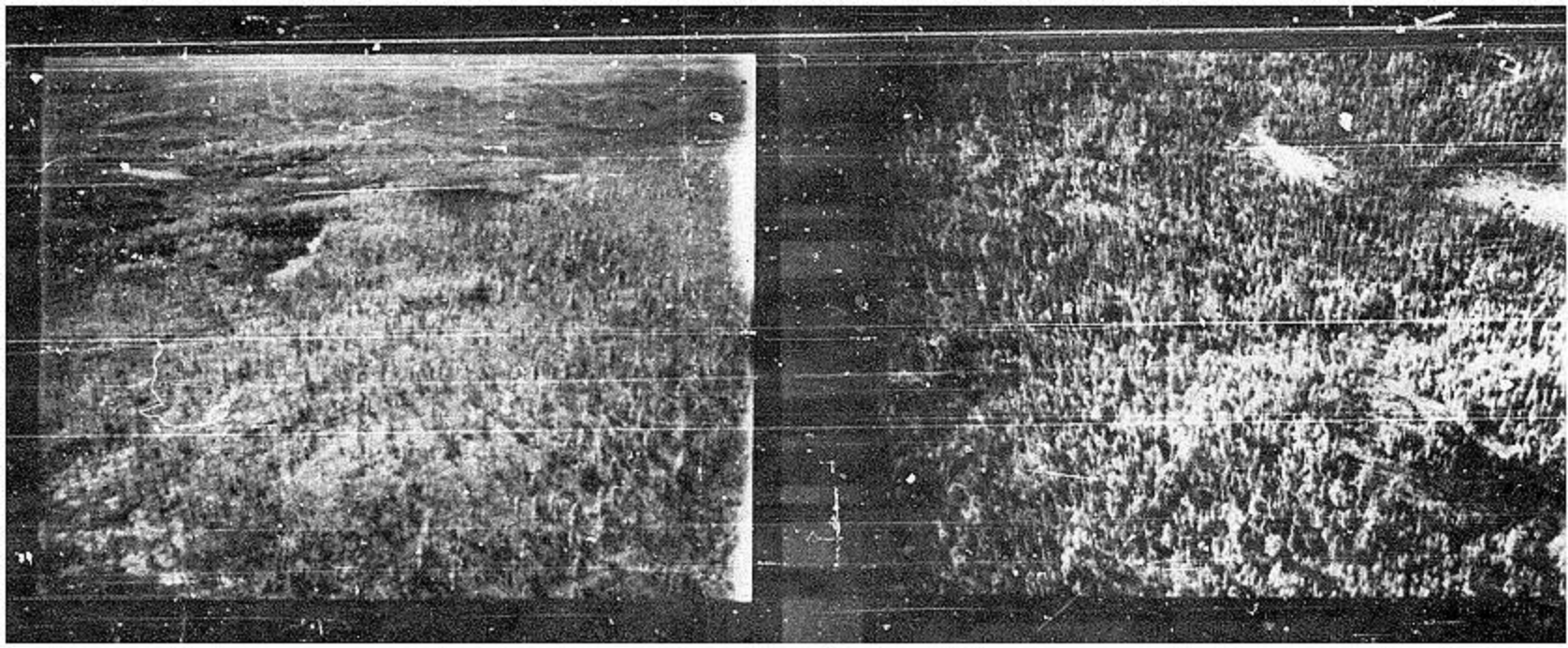
14. TYPED NAME AND GRADE OF OFFICIATING INSTRUCTOR OR OTHER AUTHORIZED OFFICIAL: RICHARD A. JONES CAPTAIN, USAF

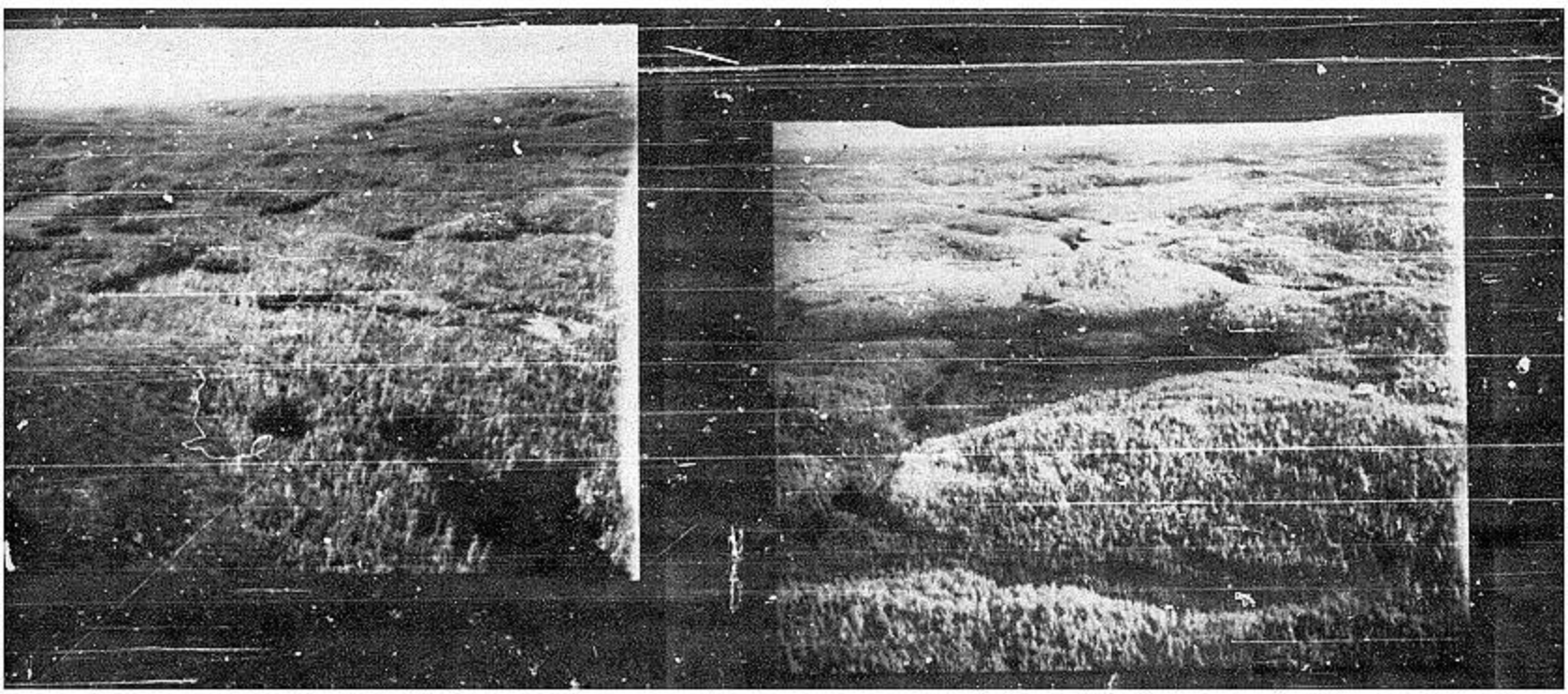
15. SIGNATURE (*On original and duplicate copies*)

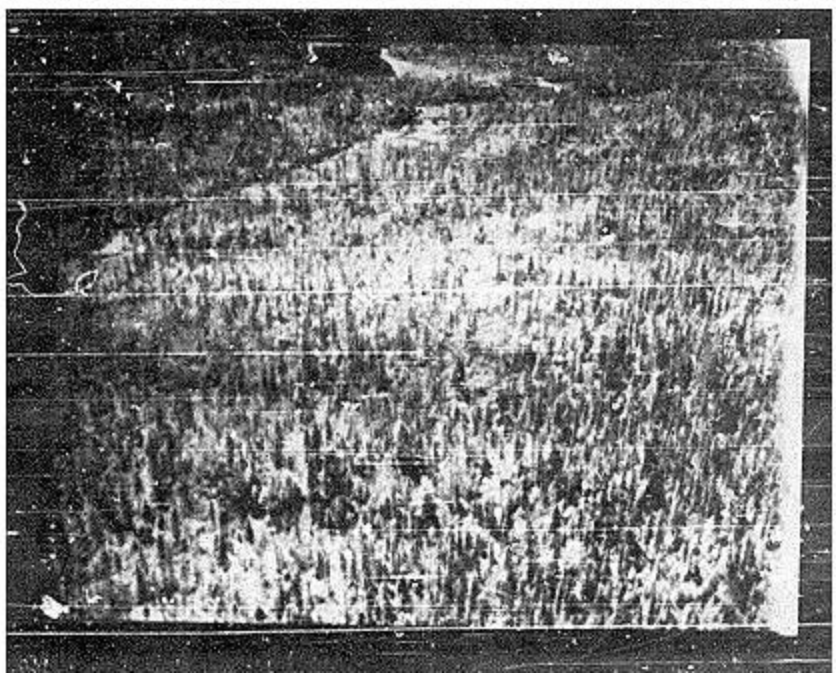
SECTION I

DAY OF MONTH	AIRCRAFT TYPE, MODEL, SERIES	AUTH MISSION SYMBOL	COMMAND AND/OR RADIO CONTROL PILOT TIME	NO. LANDINGS	AIRCRAFT COMMANDER TIME	CLASSIFICATION OF FIRST PILOT FLYING TIME							CLASSIFICATION OF COPILOT FLYING TIME				
								DAY		NIGHT				DAY		NIGHT	
						INSTRUCTOR PILOT TIME	FIRST PILOT TIME	VFR	WEATHER INST	VFR	WEATHER INST	HOOD	COPILOT	VFR	WEATHER INST	IFR	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
3	F-89C	0		2			3:15	:45				2:30					
4	F-89C	0		1			1:40	:10				1:30					
4	F-89C	0		1			1:20	:20				1:00					
5	F-89C	0		2			3:25	:20		1:45		1:20					
6	F-89C	0		1			1:45	:45		1:00							
7	F-89C	0		1			0:50			0:50							
6	F-89C	0		1			1:00	:05				0:55					
12	F-89C	0		1			1:15			1:00	0:15						
14	F-89C	0		1			1:30	:15				1:15					
26	F-89C	0		1			1:35	:35				1:00					
						Closed Out - End Of Month											
						The following Time Picked Up From Delayed Form 1											
Oct 15	F-89C	0		1			1:25			0:25		1:00					
16. TOTALS THIS SHEET				13			19:00	3:15		5:00	0:15	10:30					
17. TOTALS BROUGHT FORWARD (SHEET NO. 7)				156		57:35	454:05	311:35	22:00	86:35	0:00	86:30	49:00	30:00	5:00	8:00	
18. TOTALS TO DATE				169		57:35	473:05	314:50	22:00	91:35	0:15	97:00	49:00	36:00	5:00	5:00	

AF FORM 5 1 JAN 53 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.







SECTION II—SUMMARY OF PILOT EXPERIENCE

DUTY	SINGLE ENGINE	2 ENGINE	MORE THAN 2 ENGINE	SINGLE JET PROPULSION	MULTI-JET PROPULSION	JET ROCKET	ROCKET	ROTARY WING TYPE	GLIDER	OTHER	TOTAL
	A	B	C	D	E	F	G	H	I	J	K	L
18. COMBAT MISSION RADIO CON PILOT											
19. AIRCRAFT COMMANDER											
20. INSTRUCTOR PILOT	8:00			41:35							49:35
21. FIRST PILOT	108:30	83:00		154:55	121:40						468:05
22. COPILOT		49:00									49:00
23. TOTAL USAF PILOT TIME	116:30	132:00		196:30	121:40						566:40

24. REMARKS, PILOT CERTIFICATION AND SIGNATURE

23 Nov. 53

Pilot was involved in major accident in F-89C type aircraft this date. (Fatal)

THIS IS A CERTIFIED TRUE COPY

25.	PILOT TIME, AF STUDENT	242:00
27.	CIV (Other 400 hp)	
28.	FOREIGN MIL	
29.	OTHER U. S. MIL	
30.	TOTAL	808:40
	PILOT COMBAT TIME	
31.	AIRCRAFT COMMANDER	-
32.	COMMAND PILOT	-
33.	RADIO CONTROL PILOT	-
34.	INSTRUCTOR PILOT	-
35.	FIRST PILOT	-
36.	COPILOT	-
37.	OTHER	-
38.	TOTAL	None

SECTION III—MISCELLANEOUS ENTRIES

DATE	TYPE	GCA	INST TRAINERS	FLIGHT SIMULATOR							
A	B	C	D	E	F	G	H	I	J	K	L
4	Practice	1									
14	Practice	4									
12	Practice	1									
39. TOTALS THIS SHEET		6									
40. TOTALS BROUGHT FORWARD (SHEET NO. 7)		22	25:35								
41. TOTALS TO DATE		28	25:35								

Certified true copy

Major Richard H Watts

RESTRICTED (When filled in)

WEIGHT AND BALANCE CLEARANCE FORM F
- TACTICAL -
(USE REVERSE FOR TRANSPORT AND CARGO MISSIONS)

FOR USE IN AN 01-1B-40

DATE: 20 Oct 53	AIRPLANE: F 89 C	FROM: TRUAX FIELD, WISCONSIN
MISSION: TACTICAL	SERIAL NUMBER: 51-5853	TO:

REMARKS: Landing C.G. computed with full sump tanks

REF	ITEM	WEIGHT	INDEX OR MOM/
1	BASIC AIRPLANE (From Chart C)	26366	69651
2	OIL (8 Gals)	60	13
3	DISTRIBUTION OF LOAD		

COMPT.	CREW NO.	CREW WEIGHT	BAGGAGE	CARGO AND MISC.	WEIGHT	INDEX OR MOM/
A			BALLAST	156	156	13
B	1				230	45
C	1				230	60

COMPUTER PLATE NUMBER (If used)

Pertinent instructions to the pilot for shifting load and crew during take off and landing should be noted above.

4 AMMUNITION	COMPT	ROUNDS	CALIBER	WEIGHT	INDEX OR MOM/
	A	600	20mm	375	34

CORRECTIONS (Ref. 11)

COMPT	ITEM	CHANGES (+ or -) WEIGHT	INDEX OR MOM/
	TOTAL WEIGHT REMOVED	-	-
	TOTAL WEIGHT ADDED	+	+
	NET DIFFERENCE (Ref. 11)		

5	OPERATING WEIGHT	27417	713
6	BOMBS, ROCKETS, ETC. — FORWARD		
	AFT		
	EXTERNAL		
	ROCKETS		
7	FUEL — BUILT IN (946 Gals)	6149	1724
	BOMB RAY (Gals)		
	EXTERNAL (604 Gals)	3926	1045
8	WATER INJ. FLUID (Gals)		
9	JATO OR RATO		
10	TAKE OFF CONDITION (Uncorrected)	37492	7782
11	CORRECTIONS (If required)		
12	TAKE OFF CONDITION (Corrected)		
13	TAKE OFF C.G. IN % M.A.C.	25.8%	
14	JATO OR RATO		
LESS EXPENDABLES	BOMBS		
	AMMUNITION 600 RDS.	219	
	FUEL 1348 gals	8762	2371
15	ESTIMATED LANDING CONDITION	28511	7506
16	ESTIMATED LANDING C.G. IN % M.A.C.	25.3%	

LIMITS

2/ GROSS WT. TAKE OFF (lbs)	3/ GROSS WT. LANDING (lbs)

	FROM	TO (% M.A.C.)
4/ PERMISSIBLE C.G. TAKE OFF	22	27
4/ PERMISSIBLE C.G. LANDING	22	27

1/ Enter constant used.
2/ Enter value from current applicable TO.
3/ Applicable to gross weight (Ref. 12).
4/ Applicable to gross weight (Ref. 13).

COMPUTED BY:
WEIGHT & BALANCE TECHNICIAN: T/SGT. S.E. Nichols
PILOT: Certified true copy Maj. R.N. Wells