[redacted]

PROJECT 10073 RECORD CARD

1. DATE	2. LOCATION	12. CONCLUSIONS
24 November, 1960	Sault Ste Marie, Michigan	☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☒ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☐ Other ☐ Insufficient Data for Evaluation ☐ Unknown
3. DATE-TIME GROUP Local GMT 24/0532Z	4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar	
5. PHOTOS ☐ Yes ☐ No	6. SOURCE Civilian	
7. LENGTH OF OBSERVATION 1 1/2 Minutes	8. NUMBER OF OBJECTS One	9. COURSE Varied

10. BRIEF SUMMARY OF SIGHTING

Round orange object, size of a large star observed as appearing to move at high speed with three stops. Course zig-zag from 70 deg elev at 180 azimuth fading in distance at 50-55 deg elev 110 azimuth. Stops were for duration of 1 1/2 second, No sound trail or exhaust accompanied the observation. Sighting with naked eye. Normal lapse rate with no inversions.

11. COMMENTS

Speed too great for balloon although zig-zag pattern of flight indicates possibility. Distance object traveled indicated speed of about 400 knots at 30,000 ft. Object in level flight at this altitude would appear to have the same elevations in the sighting and with the extreme shortness of of the "stopping" indications are that this was an aircraft flying a generally straight course with a few slight lateral motions.

ATIC FORM 329 (REV 26 SEP 52)

ZCZCSQP00 7CZCSQA049ZCGSA304

PP RJEDSQ

DE RJEDGS 4

P 251500Z ZEX

FM COMDR SSMADS K I SAWYER AFB GWINN MICH

TO RJWFAL/COMDR ADC ENT AFB COLO

RJEDSQ/COMDR AIR TECH INT CEN WPAFB OHIO

RJEZHQ/HQ USAF AFCIN WASH DC

RJEZHQ/SECRETARY OF THE AF SAFIS WASH DC

RJEDAH/COMDR 30TH ADIV SAGE TRUAX FLS WISC

BT

UNCLAS SSOIN 11-U-60-4. UFO REPORT

A.

1. THE OBJECT WAS TOO DISTANT TO DISCERN ANY PARTICULAR SHAPE OTHER THAN ROUND

2. IT APPEARED TO BE ABOUT THE SIZE OF A LARGE STAR OR VENUS

3. ORANGE

4. ONE

5. N/A

6. NO (AS IN ONE)

7. NO TAIL TRAIL OR EXHAUST

8. NO SOUND

9. THE OBJECT APPEARED TO BE MOVING AT HIGH SPEED AT TIMES IT WOULD STOP AND AT OTHER TIMES IT WOULD ZIG ZAG

B.

1. AT FIRST HE THOUGHT THE OBJECT WAS A SATELITE HOWEVER AFTER WATCHING IT A FEW SECONDS THE STOPPING STARTING AND ZIG ZAGGING DREW HIS ATTENTION MORE CLOSELY TO THE OBJECT

2. APPROX 70 DEGREES EL. AT 180 DEGREES AZ.

3. APPROX 50-55 DEGREES EL. AT 100 DEGREES AZ

4. A ZIG ZAG FLIGHT PATH WITH SUDDEN STOPPING AND STARTING

5. FADED IN THE DISTANCE

6. APPROX ONE AND ONE HALF MINUTES

C.

1. NAKED EYE

2. NIL

3. NIL

D.

1. 24 NOV 60 0032 EST (0532Z)

2. NIGHT

E.

I. 46 DEGREES 29'N 84 DEGREES 20'W (SAULT STE MARIE MICH)

2. FB 4029

F.

1. MR. [redacted] 16, [redacted] SAULT STE MARIE MICH

[redacted]

MR [redacted] C/O MRS [redacted]

(FRIEND OF THE ABOVE OBSURVER ASSUME APPROX SAME AGE

2. N/A

G.

1. CAVU

2. 5000' 240/20 10000' 270/45 16000' 260/45

20000' 290/80 30000' 280/100 50000' 280/50

60000' 280/35

3. CLEAR

4. 15 PLUS

5. NIL

6. NO

H.

1. NIL

2. NIL OBSERVER REPORTED NO NORTHERN LIGHTS

3. NIL

I.

1. NIL

J NO TRAFFIC IN AREA

K F/L ROBERT L. HOLLAND IDENT OFFICER BRAVO CREW

THIS OBJECT WAS SEEN BY TWO PERSONS AT THE SAME TIME (ONLY ONE INTERVIEWED) THE INITIAL REPORT WAS CALLED IN ONLY A FEW NOMENTS AFTER THE SIGHTING TOOK PLACE; (THE DELAY IN COMPILING THIS REPORT IS DUE TO A MIX-UP IN OBSERVERS PHONE NUMBER AND THE INABILITY OF THIS OFFICER TO REACH HIM AFTER THE INITIAL CALL-IN WHICH WAS MADE TO SSM AIR FORCE STATION TO S/SGT HICKS. IT IS FELT THAT AN ACTUAL SIGHTING TOOK PLACE. THIS REPORTING OFFICER QUIZZED THE OBSERVER AT LENGHTH AND HIS ANSWERS WERE ALL CLEAR AND DEFINITE AND CONTAINED NO OVERTONES OF EXCITEMENT OR HYSTERIA IF THE WEATHER BALLOON LAUNCHED AT BISMARK ND WAS STILL AIRBORNE AT 0532Z 24 NOV 60 WHICH IS 25;32 AFTER THE LAUNCHING TOOK PLACE AT BISMARK, THIS COULD HAVE BEEN WHAT THE OBSERVER SIGHTED. THE ZIG-ZAGGING AND APPARENT STOPPING COULD HAVE BEEN ATRIBUTED TO SHIMMER EFFECT OF A TEMPERATURE INVERTION CAUSING THE OPTICAL ILLUSION OF ZIG-ZAG. A STRAIGHT LINE DISTANCE FROM BISMARK TO

SAULT STE MARIE IS APPROX 680 NM. THIS MEANT THE BALLOON WOULD HAVE AVERAGED 27 K PER HOUD OVER THE DISTANCE. THE UPPER WINDS FLOW WAS ALMOST DUE EAST, (REF 500 MB CHART 24 NOV 60) WITH SPEEDS AS INDICATED PREVIOUSLY.

L. NONE

BT

25/1516Z NOV RJEDGS

JOINT MESSAGEFORM

SECURITY CLASSIFICATION: UNCLASSIFIED

SPACE BELOW RESERVED FOR COMMUNICATION CENTER

1960 DEC 2 14 52

33693
02/16/02

PRECEDENCE	TYPE MSG (Check)			ACCOUNTING SYMBOL	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE
	BOOK	MULTI	SINGLE			
ACTION: ROUTINE				AF	SSOIN 11-U-60-4	UNCLAS
INFO:						

FROM:
ATIC W-P AFB

TO:
K. I. SAWYER AFB, MICH

UNCLAS/AFCIN-4E2x 12-3444-E

SSMADS YOUR MSG SSOIN 11-U-60-4, DTD 25 NOV 60, REQ BOTH WITNESSES BE RECONTACTED TO CLEAR UP THE FOLLOWING POINTS CONCERNING THEIR SIGHTING: WHEN THE OBJ STOPPED, HOW LONG DID IT REMAIN STATIONARY? HOW MANY TIMES DID IT STOP DURING THE TIME IT WAS IN VIEW? THE MANNER IN WHICH THE OBJ DISAPPEARED? THE FACT THAT THE ELEVATION OF THE OBJ VARIED ONLY 15-20 DEGREES INDICATES THAT IT MUST HAVE BEEN CLIMBING AT A SHARP ANGLE, REQ CLARIFICATION OF THIS POINT. HOW WAS THE DURATION OF THE SIGHTING DETERMINED? REQ A CHECK BE MADE TO DETERMINE IF A BALLOON WAS LAUNCHED IN THE AREA OF THE SIGHTING. REF PAR G (7), AFR 200-2, DTD 14 SEP 59, REQ THE LAPSE RATE FOR THE AREA BE INCLUDED IN YOUR RPT.

SPECIAL INSTRUCTIONS

DATE	TIME
30	1035
MONTH: NOV	YEAR: 1960

WRITER

SYMBOL: AFCIN-4E2x

TYPED NAME AND TITLE (Signature if required)
Major Robert J. Friend

PHONE 69216 | PAGE NR. 1 | NR. OF PAGES 1

SECURITY CLASSIFICATION: UNCLASSIFIED

RELEASER

SIGNATURE

TYPED (or stamped) NAME AND TITLE
PHILIP G. EVANS
Colonel, USAF
Deputy for Science and Components

DD FORM 1 MAY 58 173 REPLACES DD FORM 173, 1 OCT 49, WHICH WILL BE USED UNTIL EXHAUSTED

ZCZC [illegible]

RECEIVED

PP RJEDSC

DE RJEDGS 11 [illegible]

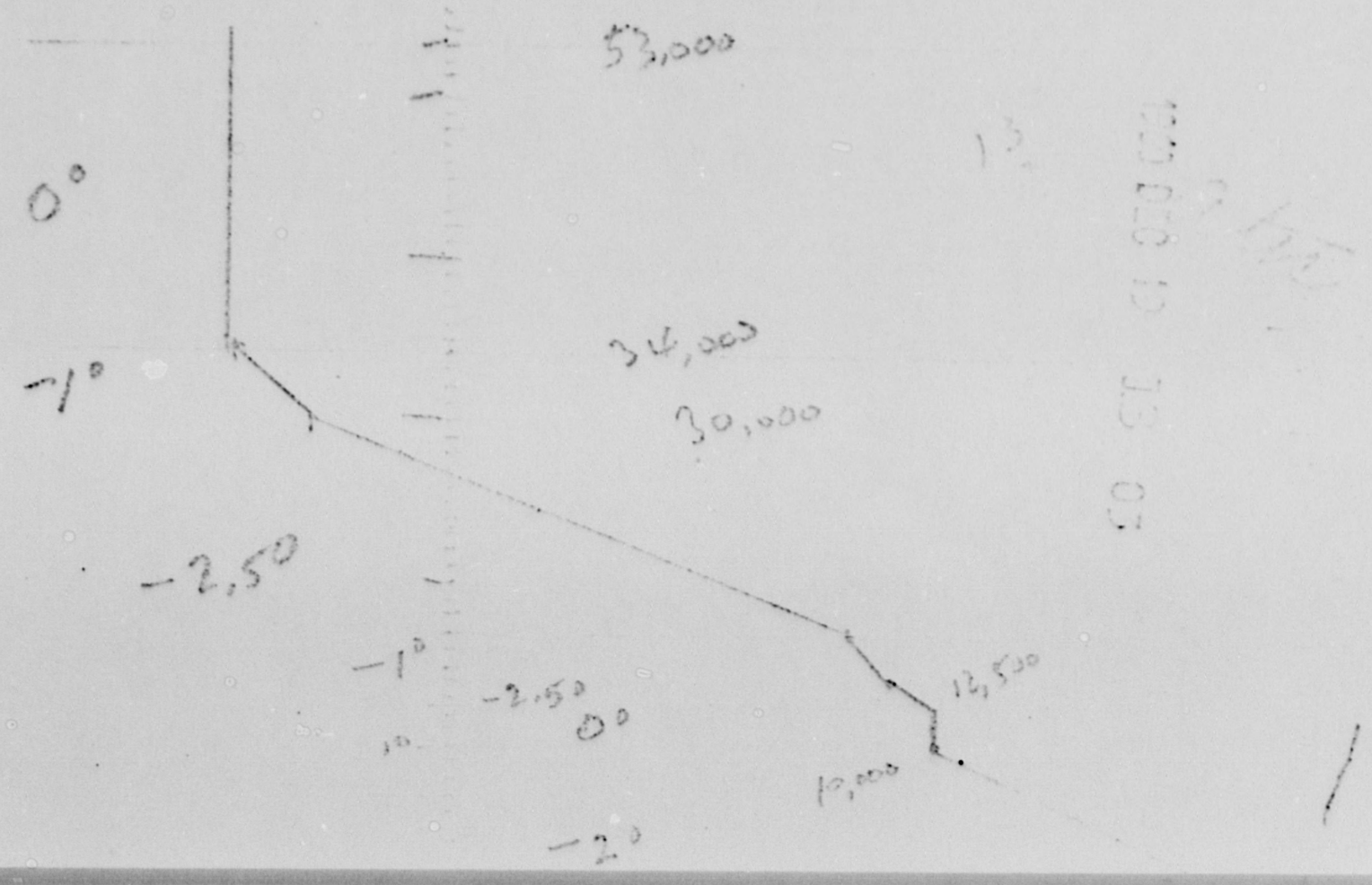
P 191715Z

FM COMDR SSMADS K I SAWYER AFB MICH

TO COMDR AIR TECHNICAL INTELLIGENCE CEN WPAFB OHIO

BT

UNCLAS FROM SSOIN-12-U-67-1. YOUR MESSAGE AFCIN-4E2Y-12-3444-I DATED 2 DEC 67 THIS MESSAGE IN 6 PARTS, PART I, OBJECT REMAINED STATIONARY ONE AND ONE HALF SECONDS; PART 2, OBJECT STOPPED APPROXIMATELY THREE TIMES: PART 3, THE OBJECT FADED IN DISTANCE PART 4, DURATION OF SIGHTING WAS ESTIMATED: PART 5, NO BALLOONS WERE LAUNCHED IN AREA: PART 6, LAPSE RATE FOR AREA; SURFACE TO 1[illegible]FT. -2 DEGREES PER 1,000FT.; 12,[illegible]FT TO 12,500FT 0 DEGREES PER 1,000FT; 12,500FT TO 14,[illegible]FT -2.5 DEGREES PER 1,000FT; 14,[illegible] FT TO 17,[illegible]FT -1 DEGREES PER 1,000FT; 17,000FT TO 3[illegible],000FT -2.5 DEGREES PER 1,000FT; 3[illegible],000FT TO 34,[illegible]FT -1 DEGREES PER 1,000FT; 35,[illegible]FT TO 53,000FT 0 DEGREES PER 1,000FT.

BT

19/1720Z DEC RJEDGS