# PROJECT 10073 RECORD

| | |
|---|---|
| 1. DATE - TIME GROUP<br>12 August 65 12/0620Z | 2. LOCATION<br>Duluth, Minnesota |
| 3. SOURCE<br>Civilian | 10. CONCLUSION<br>Satellite (ECHO II) |
| 4. NUMBER OF OBJECTS<br>One | Witness could not give positional data on object. Description duration and direction of flight in accord with Satellit sightings. |
| 5. LENGTH OF OBSERVATION<br>10 Minutes | 11. BRIEF SUMMARY AND ANALYSIS<br>Object like a star. Bright white, slight tail. No sound. No unusual fetaures. Flight to NE. 10 minutes. ECHO II was over Duluth at 0019AM at 33 deg elevation moving NE.<br><br>ECHO II over area at time of report. |
| 6. TYPE OF OBSERVATION<br>Ground-Visual | |
| 7. COURSE<br>NE | |
| 8. PHOTOS<br>☐ Yes<br>☒ No | |
| 9. PHYSICAL EVIDENCE<br>☐ Yes<br>☒ No | |

FORM
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

INCOMING
MESSAGE

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH

UNCLASSIFIED



AF IN : 448 (12 Aug 65) T/gem

ACTION: NIN-7

INFO : SAFOS-3, XOP-1, XOPX-8, DIA-1 (21)

SMB C185 CZCHQC586ZCYJA148

RR RUEAHQ

DE RUCDDU 13 2241830

ZNR UUUUU

R 121645Z

FM DUADS DULUTH INTL APRT MINN

TO RUWGALE/ADC

RUCDAH/30AIRDIV TRUAX FLD WIS

RUCDSQ/FOREIGN TECH DIVISION WPAFB OHIO

RUEAHQ/SEC OF THE AIR FORCE WASHDC

RUEAHQ/HQ USAF

BT

UNCLAS DUOIN 00084 AUG 65.

FOR: USAF, OFFICE SAFOI & AFNIN, 30TH OIN, SUBJ: UFO;

1. DE CRIPTION OF OBJECT:

A. SHAPE: NOT OBSERVED

B. SIZE: NOT OBSERVED

C. COLOR: LIKE A STAR

D. NUMBER: ONE

E. FORMATION: N/A

F. DISCERNABLE FEATURES: A BRIGHT WHITE LIGHT

G. TAIL, TRAIL OF EXHAUST: SLIGHT TAIL

PAGE 2 RUCODU 13 UNCLAS

H. SOUND: NONE

I. UNUSUAL FEATURES: LIGHT WAS EXTRA BRIGHT

2. DESCRIPTION OF COURSE OF OBJECT:

A. WHY NOTICED: UNKNOWN

B. INITITAL ELEVATION AND AZIMUTH: UNABLE TO DESCRIBE IT

C. ELEVATION AND AZIMUTH AS OBJECT DISAPPEARED: (2B.)

D. FLIGHT PATH AND MANEUVERABILITY: NORTH EAST

E. MANNER OF DISAPPEARENCE: OBJECT MOVED OVER THE HORIZON( THE ACTUAL HORIZON IS OBSCURED BY THE SURROUNDING HILLS

F. LINGHT OF TIME IN SIGHT: APPROXIMATELY 10 MINUTES

3. MOTHOD OF OBSERVATION:

A. METHOD: NAKED EYE

B. OPTICAL AIDS: NONE

C. AIRBORNE SIGHTING INFORMATION: NONE

4. TIME AND DATE OF SIGHTING:

A. DATE TIME GROUP: 12/0620Z

B. NIGHT

5. LOCATION OF OBSERVERS: LAT/LONG., DULUTH, MINNESOTA

6. IDENTIFYING INFORMATION OF OBSERVERS: MRS. [redacted]

[redacted] DULUTH, MINN. AGE: UNKNOWN, RELIABILITY: UNKNOWN

PAGE 3 RUCDDU 13 UNCLAS

OCCUPATION: UNKNOWN.

7 WEATHER AND WING

ALOFT:

A. AWS ACCOUNT OF WIND IRECTION & VELOCITY:

1. SURFACE: 230/9 KNOTS

2. 6,000 230/25K

3. 10,000 260/20K

4. 16,000 290/25K

5. 20,000 290/25K

6. 30,000 320/40K

7. 50,000 300/40K

8. 80,000 090/10K

B. CEILING: NONE

C. VISIBILITY: 15PLUS MILES

D. THUNDERSTORMS IN AREA: NONE

E. CLOUD COVER: 12,000 BROKEN

8. UNUSUAL ACTIVITY IN AREA: NONE

9. INTERCEPTION OR IDENTIFICATION OF ACTION TAKEN: NONE

10. LOCATION OF KNOWN AIR TRAFFIC IN AREA AT TIME OF SIGHTING:
NONE

11. POSITION TITLE AND COMMENTS OF PREPARING OFFICER: CHIEF OF

PAGE 4 RUCDDU 13 UNCLAS

INTELLIGENCE. INITIALLY THE REPORT WOULD SEEM TO INDICATE THAT
THE OBSERVER AND HER 5 BRODGE COMPANINONS HAD OBSERVED ECHO 2
WHICH WAS 33 DEGREES ABOVE THE WEATHER HORIZON MOVING NORTHEAST
AT 0603Z. THE OTHER POSSIBILITY, BECAUSE OF THE BRIGG BEING OBSERVED
, COULD EITHER BE A RAPIDLY DECAYING COMET
OR SPACE JUNK.

12. PHYSICAL EVIDENCE: NONE

BT

NNNN

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DULUTH, MINN. ECHO II CST

| | | | | |
|---|---|---|---|---|
| AT | 09.15 | PM | AUG.10 | EAST OF CITY, 14 DEGREES ABOVE HORIZON MOVING NE |
| AT | 11.05 | PM | AUG.10 | NORTH OF CITY, 55 DEGREES ABOVE HORIZON MOVING NE |
| AT | 00.51 | AM | AUG.11 | WEST OF CITY, 20 DEGREES ABOVE HORIZON MOVING NE |
| AT | 08.41 | PM | AUG.11 | EAST OF CITY, 07 DEGREES ABOVE HORIZON MOVING NE |
| AT | 10.31 | PM | AUG.11 | EAST OF CITY, 51 DEGREES ABOVE HORIZON MOVING NE |
| AT | 00.19 | AM | AUG.12 | WEST OF CITY, 33 DEGREES ABOVE HORIZON MOVING NE |
| AT | 09.59 | PM | AUG.12 | EAST OF CITY, 33 DEGREES ABOVE HORIZON MOVING NE |
| AT | 11.47 | PM | AUG.12 | WEST OF CITY, 48 DEGREES ABOVE HORIZON MOVING NE |
| AT | 09.25 | PM | AUG.13 | EAST OF CITY, 23 DEGREES ABOVE HORIZON MOVING NE |
| AT | 11.14 | PM | AUG.13 | WEST OF CITY, 69 DEGREES ABOVE HORIZON MOVING NE |
| AT | 01.02 | AM | AUG.14 | WEST OF CITY, 13 DEGREES ABOVE HORIZON MOVING NE |
| AT | 08.53 | PM | AUG.14 | EAST OF CITY, 15 DEGREES ABOVE HORIZON MOVING NE |
| AT | 10.39 | PM | AUG.14 | SOUTH OF CITY, 56 DEGREES ABOVE HORIZON MOVING NE |
| AT | 00.30 | AM | AUG.15 | WEST OF CITY, 21 DEGREES ABOVE HORIZON MOVING NE |
| AT | 08.19 | PM | AUG.15 | EAST OF CITY, 08 DEGREES ABOVE HORIZON MOVING NE |
| AT | 10.09 | PM | AUG.15 | EAST OF CITY, 49 DEGREES ABOVE HORIZON MOVING NE |
| AT | 11.57 | PM | AUG.15 | WEST OF CITY, 30 DEGREES ABOVE HORIZON MOVING NE |
| AT | 09.36 | PM | AUG.16 | EAST OF CITY, 35 DEGREES ABOVE HORIZON MOVING NE |
| AT | 11.24 | PM | AUG.16 | WEST OF CITY, 44 DEGREES ABOVE HORIZON MOVING NE |
| AT | 01.11 | AM | AUG.17 | WEST OF CITY, 04 DEGREES ABOVE HORIZON MOVING NE |

# PROJECT 10073 RECORD

| 1. DATE - TIME GROUP | 2. LOCATION |
|---|---|
| 12 August 65 13/0402Z | Duluth, Minnesota |

**3. SOURCE**
Civilian

**4. NUMBER OF OBJECTS**
One

**5. LENGTH OF OBSERVATION**
45 - 50 Seconds

**6. TYPE OF OBSERVATION**
Ground-Visual

**7. COURSE**
NE

**8. PHOTOS**
☐ Yes
☒ No

**9. PHYSICAL EVIDENCE**
☐ Yes
☒ No

**10. CONCLUSION**
Satellite (ECHO II)

ECHO II over Duluth at 2159 at 33 deg elevation in flight to NE. Sighting has characteristics of a Satellite observation.

**11. BRIEF SUMMARY AND ANALYSIS**

Object similar to a star, possibly bigger and brighter. Disappeared over the NE horizon. Directly overhead. 45-50 seconds. Probably under estimation on duration and angle of elevation. ECHO II was at 30 deg elevation and would be visible for several minutes.

SEE CASE DULUTY, MINNESOTA 12/0620Z for ECHO SCHEDULE

FORM
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

c2 13/0402Z - DULUTH, MINN

INCOMING MESSAGE

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH

UNCLASSIFIED

SATELLITE (ECHO II)

SMB B108



ZCHQE704ZCYJB227 AF IN : 3509 (14 Aug 65) A/jay

RR RUEAHQ ACTION: NIN-7,

DE RUCDDU 33S 2260746 INFO : XOP-1, XOPX-8, SAFOS-3, DIA-1, SMB-1 (22)

ZNR UUUUU

BT

UNCLAS SVC ZUI RUEAHQ 325S 2260610 ZDK RUCDDU 33 2252048 132000Z

RR RUEAHQ

DE RUCDDU 33 2252048

ZNR UUUUU

R 132000Z

FM DUADS DULUTH INTL APRT MINN

TO RUWGALE/ADC

RUCDAH/30AIRDIV TRUAX FLD WISC

RUCDSQ/FOREIGN TECH DIV WRIGHT PATTERSON AFB OHIO

RUEAHQ/HQ USAF WASH D C

BT

UNCLAS DUOIN 00085 AUG 65.

FOR: USAF, SAFOI & AFNIN, 30TH OIN, SUBJ: UFO:

1. DESCRIPTION OF OBJECT:

A. SHAPE: SIMILAR TO A STAR

B. SIZE: POSSIBLY A LITTLE LARGER THAN A STAR

C. COLOR: BRIGHTER THAN A STAR

D. NUMBER: ONE

E. FORMATION: NONE

F. DISCERNABLE FEATURES: NONE

G. SOUND: NONE

5. LOCATION OF OBSERVER:

A. LAT AND LONG: N/A

B. GEOREF OR REFERENCE: DULUTH, MINN

6. IDENTIFICATION OF OBSERVER: CIVILIAN: MR. [redacted], MINN; AGE 20, REALIABILITY: UNKNOWN EMPLOYED: DULUTH TRIBUNE NEWSPAPER.

7. WEATHER AND WINDS ALOFT:

A. OBSERVER'S ACCOUNT: 1000FT BROKEN CLOUDS, VISIBILITY 15 PLUS MILES.

B. AWS ACCOUNT OF WIND DIRECTION & VELOCITY:

1. SURFACE: NONE

2. 6,000 330/15KNOTS

3. 10,000 330/30K

4. 16,000 300/30K

5. 20,000 330/35K

6. 30,000 310/40K

7. 50,000 330/35K

8. 80,000 090/15K

C. CEILING: HIGH SCATTER

D. VISIBILITY: 15 PLUS MILES

H. UNUSUAL FEATURES: NONE

I. TAIL, TRAIL OF EXHAUST: NONE

2. DESCRIPTION OF COURSE OF OBJECT:

A. NEIGHBOR BOY WAS WATCHING THE STARS AND NOTICED THAT ONE WAS MOVING QUITE RAPIDLY AND ASKED MR. [redacted] TO WATCH IT.

B. THE OBJECT AT THAT TIME, 0402Z, WAS DIRECTLY OVERHEAD.

C. ELEVATION & AZIMUTH AS OBJECT DISAPPEARED: THE OBJECT DISAPPEARED OVER THE NORTH EAST HORIZON.

D. N/A

E. N/A

F. LENGTH OF TIME IN SIGHT: FROM TIME OF SIGHTING THE OBJECT OVER HEAD TILL IT DISAPPEARED OVER THE NORTH EAST HORIZON WAS APPROXIMATELY 45 TO 50 SECONDS.

3. METHOD OF OBSERVATION:

A. METHOD: EYE SIGHT

B. OPTICAL AIDS. NONE

C. AIRBORNE SIGHTING INFORMATION: NONE

4. TIME AND DATE OF SIGHTING:

A. DATE AND TIME GROUP: 13/0402Z

B. NIGHT

E. CLOUD COVER: HIGH BROKEN

THUNDERSTROMS IN AREA: NONE

8. UNUSAL ACTIVITY IN AREA: NONE

9. INTERCEPTION OR IDENTIFICATION OF ACTION TAKEN: NONE

10. LOCATION OF KNOWN AIR TRAFFIC IN AREA AT TIME OF SIGHTING

SAC KC 135 REFUELING A B 52 IN AREA SOUTH OF DULUTH, MINN.

11. POSITION TITLE AND COMMENTS OF PREPARING OFFICER: CHIEF OF INTELLIGENCE: THE INDIVIDUAL AFTER MAKING A REPORT OF THE SIGHTING OT THE AIR BASE, WENT OVER TO THE UNIVERSITY OF MINN DULUTH BRANCH) OBSERVATOR AND CHECKED HIS SIGHTING WITH THE ASTROMOMER ON DUTY. THERE HE WAS TOLD THAT THE OBSERVATORY HAD WATCHED ONE EARLIER IN THE EVENING AND SUGGESTED THAT CALTON HAD SEEN A SATELLITE. THIS WAS CONFIRMED BY MAKING A CALL TO PROF. [redacted] NONE OF THE SECTOR'S RADAR OBSERVED SUCH AN OBJECT. THE POSITIONS FOR ECHO II AND PEGASUS I DO NOT CORRES POND TO THIS PARTICULAR SIGHTING, SO IT IS ASSUMED THAT THIS WAS ONE OF THE MANY SATELLITES OR SPACE JUNK THAT IS ORBITING THE EARTH.

12. PHYSICAL EVIDENCE: NONE

13. MISC. COMMENTS: IT WAS NOTED IN THE DULUTH TRIBUNE CARRIED AN ARTICLE STATING THAT A MAN [redacted], IN DULUTH, HAD OBSERVED THIS SAME OBJECT AT THE SAME TIME. NO EFFORT WAS MADE TO CONTACT THESE INDIVIDUALS AT THIS TIME.

BT NOTE : ORIGINAL TRANSMISSION NOT IDENTIFIED IN SMB. ADVANCE COPY DELIVERED TO DIA.

# PROJECT 10073 RECORD

| 1. DATE - TIME GROUP | 2. LOCATION |
|---|---|
| 13 August 65 14/0328Z | Duluth, Minnesota |

**3. SOURCE**
Civilian

**4. NUMBER OF OBJECTS**
One

**5. LENGTH OF OBSERVATION**
10 Minutes

**6. TYPE OF OBSERVATION**
Ground-Visual (BX)

**7. COURSE**
NE (Apparent)

**8. PHOTOS**
☐ Yes
☒ No

**9. PHYSICAL EVIDENCE**
☐ Yes
☒ No

**10. CONCLUSION**

Astro (MARS) ✓

MARS at 260 deg azimuth setting at 2145 Local. ~~While~~ azimuth was not reported all other data in accord with evaluation as this Astro Body.

**11. BRIEF SUMMARY AND ANALYSIS**

Object brighter than a star, and bigger, same in other resepects. Spread out. Observed for third consective night at approximately the same time. Flight path was to the NE. Positional data not given. Disapppeared below the horizon. Used Binoculars.
Description of flattening out due to refraction as Planet sets.
MARS setting at the reported time. Observed for three nights at same place.
Refraction as Planet set would give an apparent NE motion to object. — ? ? —

FORM
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

13 Aug

17/0328Z - DULUTH, MINN

INCOMING MESSAGE

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH

UNCLASSIFIED

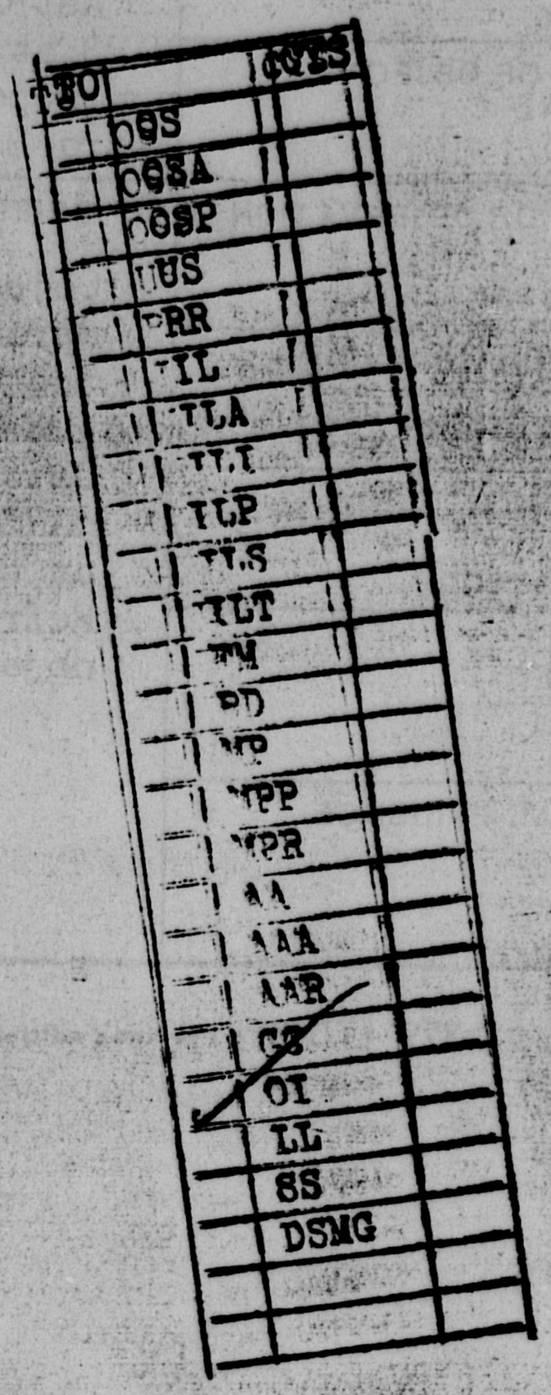
ASTRO (MASS)

AF IN : 5888 (16 Aug 65) J/jja



ACTION: NIN-7

INFO : XOP-1, XOPX-8, SAF-OS-3, DIA-1 (21)




SMB C143 HQC182ZCYJD960

RR RUEAHQ

DE RUCDDU 18 2281906

ZNR UUUUU

R 161545Z

FM DUADS DULUTH INTL APRT MINN

TO RUWGALE/ADC

RUCDAH/30 ADIV TRUAX FLD WIS

RUCDSQ/FOREIGN TECH DIV WRIGHT PATTERSON AFB OHIO

RUEAHQ/HQ USAF

BT

UNCLAS DUOIN 00086 AUG 65.

FOR; SUAF, SAFOI & AFNIN, 30TH OIN, SUBJ: UFO.

1. DESCRIPTION OF OBJECT:

A. SHAPE: LIKE A STAR

B. SIZE: BIGGER THAN A STAR

C. COLOR: WHITE

D. NUMBER: ONE

E. FORMATION: NONE

F. DISCERNABLE FEATURES: NONE NOTED

G. TAIL, TRAIL OF EXHAUST: JUST LIKE LIGHT SPREADING OUT



BEHIND THE OBJECT

H. SOUND: NONE

I. UNUSUAL FEATURES: NONE

2. DESCRIPTION OF COURSE OF OBJECT:

A. WHY NOTICED: IT WAS OBSERVED FOR THE THIRD CONSECUTIVE NIGHT AT APPROXIMATELY THE SAME TIME.

B. INITIAL AND AZIMUTH: NOT NOTICED

C. ELEVATION AND AZIMUTH AS OBJECT DISSAPPEARED: NOT NOTED

D. FLIGHT PATH AND MANEUVERABILITY: NORTH EAST DIRECTION

E. MANNER OF DISAPPEARENCE: OVER THE HORIZON

F. LENGTH OF TIME IN SIGHT: 10 MINUTES

3. MANNER OF OBSERVATION:

A. METHOD: NAKED EYE

B. OPTICAL AIDS: BINOCULARS

C. AIRBORNE SIGHTING INFORMATION: NONE

4. TIME AND DATE OF SIGHTING:

A. DATE TIME GROUP: 14/0328Z

B. NIGHT

MARS
Setting
at 260°
27° 45' Color

2128 —

5. LOCATION OF OBSERVERS:

A. LAT/LONG 4950N/9201W

PAGE 3 RUCDDU 18 UNCLAS

B. DULUTH, MINNESOTA

6. IDENTIFYING INFORMATION: MR. AND MRS. [redacted], MINN: RELIABILITY, UNKNOWN, OCCUPATION, UNKNOWN

7. WEATHER AND WINDS ALOFT:

A. OBSERVER'S ACCOUNT OF WEATHER: CLEAR & VISIBILITY UNLIMITED

B. AWS ACCOUNT OF WINDS DIRECTION & VELOCITY AT

1. SURFACE: 170/12KNOTS
2. 6,000 200/25K
3. 10,000 260/45K
4. 16,000 270/40K
5. 20,000 280/30K
6. 30,000 270/55K
7. 50,000 290/15K
8. 80,000

C. CEILING: NONE

D. VISIBILITY: 15PLUS MINES

E. CLOUD COVER: NONE

F. THUNDERSTROMS: NONE

8. UNUSUAL ACTIVITY IN AREA: NONE

9. INTERCEPTION OR IDENTIFICATION OF ACTION TAKEN: NONE

PAGE 4 RUCDDU 18 UNCLAS

10. LOCATION OF KNOWN AIR TRAFFIC IN AREA AT TIME OF SIGHTING:

DC-6 HAS LANDED AT DULUTH MAP AT 14/0322Z

11. POSITION TITLE AND COMMENTS OF PREPARING OFFICER: CHIEF OF INTELLIGENCE, THE OBJECT WAS OBSERVED BY 8 ADULTS. MR. [redacted] WATCHED IT THROUGH BINOCULARS AND OBSERVED THE WHITE LIGHT BEING EMMITTED BY THE OBJECT: FROM THE EVIDENCE AVAILABLE, THE OBJECT WAS A SATELLITE WHO'S ORBIT WAS BEGINNING TO DECAY, THUS PERMITTING IT TO ENTER THE MORE DENSE ATMOSPHERE. THE WHITE LIGHT BEING EMMITTED BY THE OBJECT COULD BE THE BEGINNING OF THE GRADUAL DISINTERGRATION OF THE SATELLITE.

12. PHYSICAL EVIDENCE: NONE

BT

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THREE NIGHTS IN A ROW AT SAME TIME AND PLACE (?) !!!

DEFINITELY NOT

## PROJECT 10073 RECORD

| | |
|---|---|
| 1. DATE - TIME GROUP<br>14 August 65 14/0633Z | 2. LOCATION<br>Duluth, Minnesota |
| 3. SOURCE<br>Civilian | 10. CONCLUSION<br>Astro (METEOR) ✓<br>Since meteor was observed at the same time it is assumed that this was the object observed. |
| 4. NUMBER OF OBJECTS<br>One | |
| 5. LENGTH OF OBSERVATION<br>Not Reported | 11. BRIEF SUMMARY AND ANALYSIS<br>Small ivory star-like object in flight from North to West. No tail, trail or exhaust. Observer incoherent. Could not furnish desired data for report. Sighting reported at same time a meteor was observed for a duration of 5 seconds. |
| 6. TYPE OF OBSERVATION<br>Ground-Visual | |
| 7. COURSE<br>Not Reported | |
| 8. PHOTOS<br>☐ Yes<br>☒ No | |
| 9. PHYSICAL EVIDENCE<br>☐ Yes<br>☒ No | |

FORM
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

INCOMING
MESSAGE

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH

UNCLASSIFIED

17 Aug 1965 - Duluth Minn.

ASTRO (METEOR)

AF IN : 6149 (17 Aug 65) H/jja

Pg 1 of 5

ACTION: NIN-7

INFO : XOP-1, XOPX-8, SAF-OS-3, DIA-1 (21)

| TO | | CYS |
|---|---|---|
| | OS | |
| | OSA | |
| | OSP | |
| | OS | |
| | RR | |
| | TL | |
| | TLA | |
| | TLF | |
| | TLP | |
| | TLS | |
| | TLT | |
| | FM | |
| | PD | |
| | MP | |
| | MPP | |
| | MPR | |
| | AA | |
| | AAA | |
| | AAR | |
| | CC | |
| | OI | |
| | LL | |
| | SS | |
| | DSMG | |

SMB C022 CHQC216ZCYJD982

RR RUEAHQ

DE RUCDDU 17 2281906

ZNR UUUUU

R 161745Z

FM DUADS DULUTH INTL APRT MINN

TO RUWGALE/ADC

RUCDAH/30 ADIV TRUAX FLD WIS

RUCDSO/FOREIGH TECH DIV WRIGHT PATTERSON AFB OHIO

RUEAHQ/HQ USAF

BT

UNCLAS DUOIN 0087 AUG 65

FOR: USAF, SAFOI & AFNIN, 30TH OIN, SUBJ: UFO.

1. DESCRIPTION OF OBJECT:

A. SHAPE: STARLIKE

B. SIZE: VERY SMALL

C. COLOR: IVORY

D. NUMBER: ONE

E. FORMATION: NONE

F. DISCERNABLE FEATURES: NONE

7

G. TAIL, TRAIL OF EXHAUST: NONE



H. SOUND: NONE

I. DISCERNABLE (UNUSUAL) FEATURES: NONE

2. DESCRIPTION OF COURSE OF OBJECT:

A. WHY NOTICED: GLANCED UP AND SAW IT

B. INITIAL ELEVATION AND AZIMUTH: NORTH

C. ELEVATION AND AZIMUTH AS OBJECT DISAPPEARED: NOT NOTED

D. FLIGHT PATH AND MANEUVERABILITY: NORTH TO WEST

E. MANNER OF DISAPPEARANCE: UNKNOWN

F. LENGTH OF TIME IN SIGHT: DOES NOT KNOW

3. MANNER OF OBSERVATION:

A/ METHOD: NAKED EYE

B. OPTICAL AIDS: NONE

C. AIRBORNE SIGHTING INFORMATION: NONE

4.STIME AND DATE OF STGHTING:

A. DATE TIME GROUP: 14/0633Z

B. NIGHT

5. LOCATION OF OBSERVER:

A. LAT/LONG

B. DULUTH, MINN.

6. IDENTIFYING INFORMATION ON ALL OBSERVERS: CIVILIAN: [redacted]

[redacted]: DULUTH, MINN, AGE, 50, PROFESSION, NURSING CARE; RELIABILITY, UNKNOWN. (SEE COMMENTS ITEM9).

7. WEATHER AND WINDS ALOFT CONDITIONS AT TIME OF SIGHTING:

A. OBSERVER'S ACCOUNT OF WEATHER: CLEAR

B. AWS ACCOUNT OF WINDS DIRECTION AND VELOCITY AT:

1. SURFACE 200/13KNOTS GUSTS TO 19 KNOTS
2. 6,000 240/44K
3. 10,000 270/25K
4. 16,000 260/18K
5. 20,000 260/38K
6. 30,000 270/60K
7. 50,000 290/30K
8. 80,000

C. CEILING: CLEAR

D. VISIBILITY: 15PLUS MILES

E. CLOUD COVER: NONE

F. THUNDERSTROMS IN AREA: NONE

8. UNUSUAL ACTIVITY IN AREA: NONE

9. INTERCEPT OR IDENTIFICATION OF ACTION TAKEN: NONE

10. LOCATION OF KNOWN AIR TRAFFIC IN AREA AT TIME OF SIGHTING: NONE



11. POSITION TITLE AND COMMENTS OF PREPARING OFFICER:

A. CHIEF OF INTELLIGENCE

B. THE OBSERVER SOUNDED SOMEWHAT INCOHERENT.. SHE SEEMED TO DESIRE TO TALK ABOUT EVERYTHING ELSE RATHER THAN THE SIGHTING. THIS OFFICER PREPARING THE REPORT (I) PROBABLY DID OBSERVER THE SAME OBJECT AS THE TIME, COLOR AND APPROXIMATE DIRECTION DO AGREE. ONE MUST EXPLAIN THE DIFFERENCE IN DIRECTIONS. DULUTH IS NOT LAID OUT ON A TRUE NORTH AND SOUTH AXIS BUT RATHER ON A 010 AND 190 DEGREE LINE. THIS ORIENTATION PRESENTS A PROBLEM TO THE ACTUAL ORIENTATION OF THE ACTUAL PATH OF THE OBJECT. THE OBJECT (METEORITE) FIRST WAS SEEN ABOUT AT 75SDEGREES ELEVATION ABOVE THE NORTH HORIZON AND DISSAPPEARED AT APPROXIMATELY 60 DEGREES ABOVE THE NORTHERN HORIZON. DIRECTION OF FLIGHT APPEARED TO BE FROM 160 DEGREES TO 340 DEGREES. THE 15 DEGREES OF FLIGHT OBSERVED WAS ABRUPTLY TERMINATED AT 60 DEGREES ABOVE THE NORTHERN HORIZON. IT WAS ASSUMED THAT THE METEORITE HAD BURNED OUT AT THAT POINT.

AF IN : 6149 (17 Aug 65)



THE LIGH WAS A BRILLIANT IVORY. TIME OF FLIGHT: AN ESTIMATE
5 SCONDS.
12 PHYSICAL EVIDENCE: NONE
BT NOTE: ADVANCE COPY DELIVERED TO DIA.
NNN

N

# PROJECT 10073 RECORD

| | |
|---|---|
| 1. DATE - TIME GROUP<br>14 August 65 15/0305Z | 2. LOCATION<br>Duluth, Minnesota |
| 3. SOURCE<br>Civilian | 10. CONCLUSION<br>Satellite (ECHO II) |
| 4. NUMBER OF OBJECTS<br>One | Object characteristic of Satellite. ECHO II at 15 deg elevation moving NE. |
| 5. LENGTH OF OBSERVATION<br>4 Minutes | 11. BRIEF SUMMARY AND ANALYSIS<br>Round object bigger than a star. White. No features. Going fast disappeared over the horizon. 4 minut observation. Direction not reported.<br>ECHO II over Duluth at 2053 (12 minutes before the reported sighting).<br><br>ECHO Schedule with Duluth 12 Aug 12/0620Z Case |
| 6. TYPE OF OBSERVATION<br>Ground-Visual | |
| 7. COURSE<br>Not Reported | |
| 8. PHOTOS<br>☐ Yes<br>XX No | |
| 9. PHYSICAL EVIDENCE<br>☐ Yes<br>XX No | |

FORM
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

1 Hang 15/0305Z - DULUTH, MINN.

INCOMING MESSAGE

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH

UNCLASSIFIED

2013 0253Z
1
26



AF IN : 6143 (17 Aug 65) H/sah

ACTION: NIN-7

INFO : XOP-I, XOPX-8, SAFOS-3, DIA-1 (21) ECH 7

SMB C021 ZCZCVQD361ZCYJA410

RR RUEAHQ

DE RUCDDU 22 2282136

ZNR UUUUU

R 162000Z

FM DUADS DULUTH MAP MINN

TO RUWGALE/AIR DEFENSE COMMAND ENT AFB COLO

RUCDAH/30 AIR DIVISION TRUAX AFB WISC

RUCDSQ/FOREIGN TECH DIV WRIGHT PATTERSON AFB OHIO

RUEAQH/HQ USAF WASH DC

BT

UNCLAS DUOIN 00088 AUG 65

FOR: USAF, SAFOI & AFNIN, 30TH OIN, SUBJ: UFO:

1. DESCRIPTION OF OBJECT:

A. SHAPE: ROUND

B. SIZE: BIGGER THAN STAR

C. COLOR: WHITE

D. NUMBER: ONE

E. FORMATION:NONE

F. DISCERNABLE FEATURES: NONE

| TO | | CYS |
|---|---|---|
| | OS | |
| | OSA | |
| | OSP | |
| | US | |
| | RR | |
| | IL | |
| | TT.A | |
| | TT.T | |
| | ILP | |
| | TT.S | |
| | ILT | |
| | FM | |
| | RD | |
| | MP | |
| | MPP | |
| | MPR | |
| | AA | |
| | AAA | |
| | AAR | |
| | OC | |
| | OI | |
| | LL | |
| | SS | |
| | DSMG | |

G. TAIL, TRAIL OF EXHAUST: NONE

PAGE 2 RUCDDU 22 UNCLAS

H. SOUND: NONE

I. UNUSUAL FEATURES: NONE

2. DESCRIPTION OF COURSE OF OBJECT:

A. WHY NOTICED: A LITTLE GIRL NOTICED FIRST AND TOLD OBSERVER

B. INITIAL ELEVATION AND AZIMUTH: NOT NOTED

C. ELEVATION AND AZIMUTH AS OBJECT DISAPPEARED: N/A

D. FLIGHT PATH AND MANEUVERABILITY: GOING VERY FAST

E. MANNER OF DISAPPEARANCE: OVER THE HORIZON

F. LENGTH OF TIME IN SIGHT: 4 MINUTES

3. MANNER OF OBSERVATION:

A. METHOD: NAKED EYES

B. OTTICAL AIDS: NONE

C. AIRBORNE SIGHTING INFORMATION: NONE

4. TIME AND DATE OF SIGHTING:

A. DTG "Z): 15/0305

B. NIGHT

5 LOCATION OF OBSERVER:

A. LAT/LONG: N/A

AF IN : 6143 (17 Aug 65)



B DULUTH, MINN.

6. IDENTIFYING INFO OF ALL OBSERVERS; MR. [redacted]

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DULUTH, MINN. AGE 27,

7 WEATHER AND WINDS ALOFT AT TIME OF SIGHTING:

A. OBSERVERS ACCOUNT OF WEATHER: CLEAR NO WIND

B. AWS ACCOUNT OF WINDS DIRECTION AND VELOCITY AT:

1. SURFACE: 290/5K

2. 6,000 290/10K

3. 10,000 290/35K

4. 16,000 270/35K

5. 20,000 280/50K

6. 30,000 260/85K

7. 50,000 260/65K

8. 80,000 260/45K

C. CEILING: SCATTERED

D. VISIBILITY: CLEAR

E. CLOUD COVER: 3/10

F. THUNDERSTROMS IN AREA: NONE

8. UNUSUAL ACTIVITY IN AREA: NON

AF IN : 6143 (17 Aug 65)

9 INTERCEPTION OR IDENTIFICATION OF ACTION TAKEN: NONE

10 LOCATION OF KNOWN AIR TRAFFIC IN AREA AT TIME OF SIGHTING:

DC-6 -- LOG AIR

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11. POSITION TITLE, COMMENTS OF PREPARINF OFFICER:

A. CHIEF OF INTELLIGENCE

B. PROBABLY A SATELLITE OR A STAR

12. PHYSICAL EVIDENCE: NONE

13. MISC. COMMENTS OF OBSERVER: NONE

BT

NNN

NOTE: ADVANCE COPY DELIVERED TO DIA.

K

## PROJECT 10073 RECORD

| 1. DATE - TIME GROUP | 2. LOCATION |
|---|---|
| 15 August 65 15/2315Z | Duluth, Minnesota |
| **3. SOURCE** | **10. CONCLUSION** |
| Civilian | A/C |
| **4. NUMBER OF OBJECTS** | Description and flight characteristics in accord with A/C sighting. |
| One | |
| **5. LENGTH OF OBSERVATION** | **11. BRIEF SUMMARY AND ANALYSIS** |
| 1 Minute | Sightind during daylight. Object small round white. Observed at 60 deg elevation in West circled and went North going very fast. Disappeared at 40 deg elevation in North. 1 minute duration. No sound trail or exhaust. Cloud cover .3, thunderstroms in area. |
| **6. TYPE OF OBSERVATION** | |
| Ground-Visual | |
| **7. COURSE** | |
| Manuvered | |
| **8. PHOTOS** | |
| ☐ Yes<br>☒ No | |
| **9. PHYSICAL EVIDENCE** | |
| ☐ Yes<br>☒ No | |

FORM
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

15 aug 15/2315Z - DULUTH MINN

INCOMING
MESSAGE

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH

UNCLASSIFIED

[redacted]

AF IN : 6489 (17 Aug 65) F crg Pg 1 of 4

ACTION : NIN-7

INFO : XOP-1, XOFX-8, SAFOS-3, SMB-1, DIA-1 (22)

| TO | | CYS |
|---|---|---|
| | OS | |
| | OSA | |
| | OSP | |
| | US | |
| | RR | |
| | IL | |
| | ILA | |
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| | MP | |
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| | MPR | |
| | AA | |
| | AAA | |
| | AAR | |
| | GC | |
| | OI | |
| | LL | |
| | SS | |
| | DSMG | |

SMB C077 CHQE340ZCYJB829

RR RUEAHQ

DE RUCDDU 23S 2290241

ZNR UUUUU

BT

UNCLAS SVC RUEAHQ 970S 2290220 X ZDK RUCDDU 23 2282138 R 161500Z

AND ZEL OF ADDRESEE X

RR RUEAHQ

DE RUCDDU 23 2282138

ZNR UUUUU

R 161500Z

FM DUADS DULUTH MAP MINN

TO RUWGALE/ADC

RUCDAH/30 AIR DIV TRUAX AFB WISC

RUCDSQ/FOREIGN TECH DIV WPAFB OHIO

RUEAHQ/HQ USAF WASH DC

BT

UNCLAS DUOIN 00089 AUG 65

FO: USAF, SAFOI & AFNIN, 30TH OIN, SUBJ: UFO:

1. DESCRIPTION OF OBJECT:

15/2315Z
6
1715 Cocoa

A. SHAPE: ROUND

B. SIZE: SAMLL

C. COLOR: WHITE

D. NUMBER: ONE

E. FORMATION: N/A

F. DISCERNABLE FEATURES: NONE

G. TAIL, TRAIL OF EXHAUST: NONE

PAGE 2 RUCDDU 23 UNCLAS

H. SOUND: NONE

I. UNUSUAL FEATURES: NONE

2. DESCRIPTION OF COURSE OF OBJECT:

A. WHY NOTICED: OUT ON THE PORCH AND LOOKED UP AND SAW IT

B. INITIAL ELEVATION AND AZIMUTH: 60 AND 270 DEGREES

C. ELEVATION AND AZIMUTH AS OBJECT DISAPPEARED: 40 & 360 DEGREE

D. FLIGHT PATH AND MANEUVERABILITY: GOING VERY FAST, COMING FROM THE WEST, CIRCLED & WENT NORTH

E. MANNER OF DISAPPEARANCE: N/A

F. LENGTH OF TIME IN SIGHT: 1 MINUTE

3. MANNER OF OBSERVATION:

A. METHOD: EYES

B. OPTICAL AIDS: NONE

C. AIRBORNE SIGHTING INFORMATION: NONE

4. TIME AND DATE OF SIGHTING:

A. DTG (Z): 15/2315Z

B. DAY

5. LOCATION OF OBSERVER: DULUTH, MINN.

6. IDENTIFYING INFO ON ALL OBSERVERS: MISS [redacted]

AVE EAST, DULUTH, MINN, AGE 20.

PAGE 3 RUCDDU 23 UNCLAS

7. WEATHER AND WINDS ALOFT AT TIME OF SIGHTING:

A. OBSERVER'S ACCOUNT OF WEATHER: A FEW CLOUDS

B. AWS ACCOUNT OF WINDS DIRECTION AND VELOCITY AT:

1. SURFACE: 270/05KNOTS

2. 6,000 290/10K

3. 10,000 290/15K

4. 16,000 270/35K

5. 20,000 270/45K

6. 30,000 260/40K

7. 50,000 270/55K

8. 80,000 ////

AF IN : 6489 (17 Aug 65)



C. CEILING: SCATTERED

D. VISIBILITY: 15 PLUS MILES

E. CLOUD COVER: 3/10

F. THUNDERSTROMS IN AREA: NONE

8. UNUSUAL ACTIVITY IN THE AREA: NONE

9 INTERCEPTION AND IDENTIFICATION OF ACTION TAKEN: NONE

10. LOCATION OF KNOWN AIR TRAFFIC IN AREA AT TIME OF THE SIGHTING:

NONE

11. POSITION TITLE, COMMENTS OF PREPARING OFFICER:

PAGE 4 RUCODU 23 UNCLAS

A. CHIEF OF INTELLIGENCE

B. PROBABLE SATELLITE — Maurice Ray & Manuscript

12. PHYSICAL EVIDENCE: NONE

13. MISC. COMMENTS OF OBSERVER: NONE

BT

NNN

NOTE : ORIGINAL TRANSMISSION NOT IDENTIFIED IN SMB.
ADV CY DELIVERED TO DIA.

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