

PROJECT 10073 RECORD

1. DATE - TIME GROUP	2. LOCATION
19 August 65 20/0541Z	Duluth, Minnesota
3. SOURCE	10. CONCLUSION
Civilian	Satellite (ECHO II)
4. NUMBER OF OBJECTS	ECHO II over Duluth at 1136 PM heading NE at 26 deg elevation to the West on 19 August.
One	
5. LENGTH OF OBSERVATION	11. BRIEF SUMMARY AND ANALYSIS
10 Minutes	White light bigger than a star. Going very slow. Observed for 10 minutes.
6. TYPE OF OBSERVATION	Direction not reported.
Ground-Visual	Object characteristic of a Satellite. Duration slightly excessive but data furnished by witness not of a very good quality. Not able to give direction of flight or elevation in terms of deg. Possible over estimation on duration since witness said the object was moving too slow for a meteor. Description of a moving star similar to Satellite description.
7. COURSE	
Not Reported	
8. PHOTOS	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9. PHYSICAL EVIDENCE	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

INCOMING  
MESSAGE

DEPARTMENT OF THE AIR FORCE  
STAFF MESSAGE BRANCH

UNCLASSIFIED

SMB B101

ZCZCVQD251ZCYJE 58 AF IN : 12860 (20 Aug 65) H/mb Pg.1 of 4

RR RUEAHQ ACTION: NIN-7

DE RUCDDU 13 2321543 INFO : XOP-1, XOPX-8, SAFOS-3, DIA-1 (21)

ZNR UUUUU

R 201400Z

FM DUADS DULUTH INTL APRT MINN

TO RUWGALE/ ADC

RUCDAH/30ADIV TRUAX FLD WIS

RUCDSQ/ FOREIGN TECH DIV WRIGHT PATTERSON AFB OHIO

RUEAHQ/ HQ USAF

BT

UNCLAS DUOIN 00090 AUG 65

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

1. DISCRIPTION OF OBJECT:

- A. SHAPE: NONE
- B. SIZE: BIGGER THAN A STAR
- C. COLOR: WHITE LIGHT
- D. NUMBER: ONE
- E. FORMATION: NONE
- F. DISCERNABLE FEATURES: NONE
- G. TAIL, TRAIL OF EXHAUST: NONE

DULUTH, MINN.

ECU II

CSF

1200 PM AUG 19 HEIGHT OF CITY, 45 DEGREES ABOVE HORIZON MOVING  
1200 PM AUG 19 HEIGHT OF CITY, 30 DEGREES ABOVE HORIZON MOVING

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H. SOUND: NONE

I. UNUSUAL FEATURES: NONE

2. DESCRIPTION OF COURSE OF OBJECT:

- A. WHY NOTICED: HIS SON FIRST NOTICED IT
- B. INITIAL ELEVATION AND AZIMUTH: UNKNOWN & 60 DEGREES
- C. ELEVATION & AZIMUTH AS OBJECT DISAPPEARED: NOT OBSERVED
- D. FLIGHT PATH AND MANEUVERABILITY: GOING VERY SLOW
- E. MANNER OF DISAPPEARANCE: NOT OBSERVED
- F. LENGTH OF TIME IN SIGHT: 10 MINUTES

3. MANNER OF OBSERVATION:

- A. METHOD: NAKED EYES
- B. OPTICAL AIDS: NONE
- C. AIRBORNE SIGHTING INFORMATION: NONE

4. TIME AND DATE OF SIGHTING:

A. DTG (Z): 20/0541Z

B. NIGHT

5. LOCATION OF OBSERVERS:

- A. LAT/LONG: N/A
- B. DULUTH, MINN

6. IDENTIFYING INFO ON ALL OBSERVER(S): MR. [REDACTED]

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MILLER TRUNK HIGHWAY, DULUTH, MINN.

7. WEATHER & WINDS ALOFT AT TIME OF SIGHTING:

- A. OBSERVER'S ACCOUNT OF WEATHER: CLEAR
- B. AWS ACCOUNT OF WINDS DIRECTION AND VELOCITY AT:
  - 1. SURFACE: CALM
  - 2. 6,000 320/15K
  - 3. 10,000 320/30K NW
  - 4. 16,000 320/40K
  - 5. 20,000 10/50K
  - 6. 20,000 310/85K
  - 7. 50,000 310/75K
  - 8. 80,000 ///
- C. CEILING: INDEFINITE
- D. VISIBILITY: UNLIMITED
- E. CLOUD COVER: NIL
- F. THUNDERSTORMS IN AREA: NONE

8. UNUSUAL ACTIVITY IN THE AREA: NONE

9. INTERCEPTION AND IDENT

IFICATION OF ACTION TAKEN: NONE

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

11. POSITION TITLE, COMMENTS OF PREPARING OFFICER: CHIEF OF INTELL-

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IGENCE, MR. [REDACTED] FELT THAT THE OBJECT UNDER OBSERVATION WAS TOO LARGE TO BE A STAR BUT ITS RATE OF MOVEMENT WAS TOO SLOW TO BE THAT OF A METERIORITE. THE TWO MILITARY OBSERVERS WERE SENT UP ON THE ROOF OF THE SECTOR BUILDING AND FAILED TO LOCATE THE OBJECT SEEN BY MR. [REDACTED] THE SECTORS RADAR DID NOT SHOW ANY UNKNOWN OBJECTS NOT ANY AIRCRAFT IN THE AREA DUEING THE PERIOD OF THE SIGHTING. BASED ON SMALL AMOUNT OF EVIDENCE AVAILABLE THE OBJECT MAY HAVE BEEN A SATELLITE.

12. PHYSICAL EVIDENCE: NONE

12. MISC COMMENTS OF OBSERVER: NONE

BT

NOTE: ADVANCE COPY DELIVERED TO DIA.

## PROJECT 10073 RECORD

1. DATE - TIME GROUP	2. LOCATION
22 August 65 23/0300Z	Duluth, Minnesota
3. SOURCE	10. CONCLUSION
Civilian	Satellite (POSSIBLY ECHO II)
4. NUMBER OF OBJECTS	Object characteristic of a Satellite. ECHO II passes were about 1 hour before and one hour after the reported. Possible error in time conversion.
One	
5. LENGTH OF OBSERVATION	11. BRIEF SUMMARY AND ANALYSIS
10 Minutes	Brilliant white object brighter than the brightest star. One horizon in South moving overhead to horizon in North. Hesitation flight of 10 minutes.
6. TYPE OF OBSERVATION	
Ground-Visual	
7. COURSE	
NE	
8. PHOTOS	
<input type="checkbox"/> Yes	
<input checked="" type="checkbox"/> No	
9. PHYSICAL EVIDENCE	
<input type="checkbox"/> Yes	
<input checked="" type="checkbox"/> No	

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DEPARTMENT OF THE AIR FORCE  
STAFF MESSAGE BRANCH

INCOMING MESSAGE

AF IN : 17580 (24 Aug 65) P/jrh

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ACTION: NIN-7

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

SMB H117CHQE200ZCYJD520

RR RUEAHQ

DE RUODDU 8 2361602

ZNR UUUUU

241430Z

FM DUADS DULUTH MAP MINN

TO RUWGALE/ADC

RUODAH/30 ADIV SAGE TRUAX FLD WISC

RUODSQ/FOREIGN TECH DIV WRIGHT PATTISON AFB OHIO

RUEAHQ/HQ USAF

BT

UNCLAS DUOIN 00091 AUG 65

FOR: USAF, SAF01 & AFNIN, 30TH OIN, SUBJ: UFO:

1. DESCRIPTION OF OBJECT:

A. SHAPE: UNKNOWN

B. SIZE: UNKNOWN

C. COLOR: BRILLIANT WHITE

D. NUMBER : ONE

E. FORMATION: NONE

F. DISCERNABLE FEATURES: NONE

AFHQ FORM  
JAN 65 0-309C

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STAFF MESSAGE BRANCH  
INCOMING MESSAGE

AF IN : 17580 (24 Aug 65)  
G. TAIL, TRAIL OF EXHAUST: NONE

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H. SOUND: NONE

I. UNUSUAL FEATURES: BRIGHTER THAN BRIGHTEST STAR

2. DESCRIPTION OF COURSE OF OBJECT:

A. WHY NOTICED: SON NOTICED MOVING OBJECT

B. INITIAL ELEVATION AND AZIMUTH: ON HORIZON AT 180 DEGREES

C. ELEVATION AND AZIMUTH AS OBJECT DISAPPEARED: ON HORIZON AT  
360 DEGREES

D. FLIGHT PATH AND MANEUVERABILITY: SOUTH TO NORTH-  
MOVING -HESITATING THEN MOVE AGAIN.

E. MANNER OF DISAPPEARANCE: DISAPPEARED BEHIND HORIZON

F. LENGTH OF TIME IN SIGHT: 10 MINUTES

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): 23/0300Z

B. NIGHT

AFHQ FORM 0-309C JAN 65

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AF IN : 17580 (24 Aug 65)

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5. LOCATION OF OBSERVER(S): NEAR ISLAND LAKE APPROX 22 MILES

NORTHEAST OF DULUTH, MINN.

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6. IDENTIFYING INFO OF ALL OBSERVERS: [REDACTED]

[REDACTED], [REDACTED] AND FAMILY, AND [REDACTED], MPLS, MINN.,

AND FAMILY

7. WEATHER & WINDS ALOFT AT TIME OF SIGHTING:

A. OBSERVER ACCOUNT OF WEATHER: CLEAR AND VERY DARK

B. AWS ACCOUNT OF WINDS DIRECTION AND VELOCITY AT:

1. SURFACE: 040/4 KNOTS

2. 6,000 310/25 K

3. 10,000 310/30K

4. 16,000 340/35K

5. 20,000 340/40K

6. 30,000 090/60K

7. 50,000 360/30K

C. CEILING: 5,000 BROKEN

D. VISIBILITY: 15 MILES

E. CLOUD COVER:

F. THUNDERSTORMS IN AREA: NONE

AFHQ FORM 0-309C

JAN 65

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STAFF MESSAGE BRANCH  
INCOMING MESSAGE

AF IN : 17580 (24 Aug 65)

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8. UNUSUAL ACTIVITY IN THE AREA: NONE

9. INTERCEPTION OR IDENTIFICATION OF ACTION TAKEN: NONE

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

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11. POSITION TITLE/ COMMENTS OF PREPARING OFFICER: CHIEF OF  
INTELLIGENCE/THIS SIGHTING IS PROBABLY ONE OF THE SATELLITES SUCH  
AS ECHO II OR SOME OF THE SPACE DEBRIS.

12. PHYSICAL EVIDENCE: NONE

13. MISC, COMMENTS OF OBSERVER: NONE

BT

NNNN

14 00 AUG 20 530 10 CITY: 41 DEGREES ABOVE HORIZON MOVING NE  
02 00 AUG 20 WEST 10 CITY: 32 DEGREES ABOVE HORIZON MOVING NE  
16 00 AUG 20 540 10 CITY: 30 DEGREES ABOVE HORIZON MOVING NE  
18 00 AUG 20 550 10 CITY: 35 DEGREES ABOVE HORIZON MOVING NE  
19 00 AUG 20 560 10 CITY: 30 DEGREES ABOVE HORIZON MOVING NE  
20 00 AUG 20 570 10 CITY: 30 DEGREES ABOVE HORIZON MOVING NE  
21 00 AUG 20 580 10 CITY: 30 DEGREES ABOVE HORIZON MOVING NE  
22 00 AUG 20 590 10 CITY: 30 DEGREES ABOVE HORIZON MOVING NE  
1144 PM AUG 22 WEST 10 CITY: 13 DEGREES ABOVE HORIZON NE

EDM  
H

AFHQ FORM 0-309C  
JAN 65

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