

# PROJECT 10073 RECORD

1. DATE - TIME GROUP 19 August 65 20/0541Z	2. LOCATION Duluth, Minnesota
3. SOURCE Civilian	10. CONCLUSION Satellite (ECHO II)
4. NUMBER OF OBJECTS One	ECHO II over Duluth at 1136 PM heading NE at 26 deg elevation to the West on 19 August.
5. LENGTH OF OBSERVATION 10 Minutes	11. BRIEF SUMMARY AND ANALYSIS
6. TYPE OF OBSERVATION Ground-Visual	<p>White light bigger than a star. Going very slow. Observed for 10 minutes.</p> <p>Direction not reported.</p> <p>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.</p>
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	



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AF IN: 12860 (20 Aug 65)

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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. 0,000 310/85K

7. 50,000 310/75K

8. 00,000 ///

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

FICATION 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 METEORITE. 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 DURING 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

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

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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 RUDDU 8 2361602

ZNR UUUUU

241430Z

FM DUADS DULUTH MAP MINN

TO RUWGALE/ADC

RUDDAH/30 ADIV SAGE TRUAX FLD WISC

RUDDSQ/FOREIGN TECH DIV WRIGHT PATTERSON AFB OHIO

RUEAHQ/HQ USAF

BT

UNCLAS DUOIN 00091 AUG 65

FOR: USAF, SAFOI & 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

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

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H. SOUND: NONE

1. 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 DISAPPERED: ON HORIZON AT  
360 DEGREES

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

E. MANNER OF DISAPPERANCE: DISAPPERED 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

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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. SURFAACE: 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. CLUD COVER:

F. THUNDERSTORMS IN AREA: NONE

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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

02:14 PM AUG.20 EAST I F CITY, 41 DEGREES ABOVE HORIZON MOVING NE  
02:02 PM AUG.20 WEST I F CITY, 37 DEGREES ABOVE HORIZON MOVING NE  
08:40 PM AUG.22 EAST I F CITY, 26 DEGREES ABOVE HORIZON MOVING NE  
09:30 PM AUG.22 WEST I F CITY, 25 DEGREES ABOVE HORIZON MOVING NE  
09:09 PM AUG.22 EAST I F CITY, 19 DEGREES ABOVE HORIZON MOVING NE  
09:22 PM AUG.22 WEST I F CITY, 22 DEGREES ABOVE HORIZON MOVING NE  
11:44 PM AUG.22 WEST I F CITY, 13 DEGREES ABOVE HORIZON MOVING NE

ECHO II

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