

PROJECT 10073 RECORD CARD

1. DATE 8 April 1963	2. LOCATION 62.26N 10.24W (SE of Iceland)		12. CONCLUSIONS ☐ Was Balloon ☒ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☒ Other <u>Satellite</u> <i>ECH</i>
3. DATE-TIME GROUP Local _____ GMT: 08/2130Z	4. TYPE OF OBSERVATION ☐ Ground-Visual ☐ Ground-Radar ☒ Air-Visual ☐ Air-Intercept Radar		
5. PHOTOS ☐ Yes ☒ No	6. SOURCE Military		
7. LENGTH OF OBSERVATION 13 minutes	8. NUMBER OF OBJECTS one	9. COURSE SE	☒ Other <u>Satellite</u> <i>ECH</i> ☐ Insufficient Data for Evaluation ☐ Unknown
10. BRIEF SUMMARY OF SIGHTING Round, star-shaped UFO magnitude of second magnitude star, white, observed at 20 dgr elevation in vicinity of moon disappearing at 45 dgr elevation 224 dgr azimuth on flight from NW to SE. Object lost in glow of moon. Total duration 13 minutes. Possible satellite.		11. COMMENTS ECHO data not available . Believed to be possible satellite by observer and case is listed as a satellite. <i>ON 8 APRIL ECHO CROSSED</i> <i>CL-STAR AT 2100Z + 1200</i> <i>THIS WOULD PLACE ECHO IN</i> <i>POSITION FOR OBSERVATION</i>	

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

I N C O M I N G

AF IN : 24510 (8 Apr 63)

A/ab

ACTION: NIN-9

INFO : XOP-1, XOPX-4, SAF-OS-3, DIA-20, DIA(CIIC)-2 (40)

SMB B148

ZCHQA841ZCECB401

***** ZZ RUEAHQ

DE RUDIC 263

ZNR

Z 082206Z

FM COMBARFORLANT

TO RUECW/CNO

RUCKHC/CINCLANTFLT

RUEAHQ/HQ USAF

RUWGALB/CINCONAD

RUEASN/26 NORAD REGION

RUEGUH/COMEASTSEAFRON

INFO RUCKDT/COMASWFORLANT

NAVY GRNC

BT

UNCLAS

LOCATING ONE UFO

1. POSS SATELLITE

2. 6226N 1024W

3. 082130Z

4. CUS 160 SPD EST. 18000

5. VISUAL

6. ALT UNKNOWN

BT NOTE : Adv cy del to DIA & NIN

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

01

AF IN : 25279(9 Apr 63) X/wj

Pg 1 of 2

SMB C113

ACTION: NIN-9

CHQB333ZCECA212

INFO : XOP-1, XOPX-4, SAF-OS-3, DIA-20,
DIA/CIIC-2 (40)

MM RUEAHQ

DE RUDIC 100

ZNR

M 090503Z

FM COMBARFORLANT

TO RUECW/CNO

RUCKHC/CINCLANTFLT

RUWGALB/CINCCONAD

RUEASN/26 NORAD REGION

RUEAHQ/HQ USAF

RUEGUH/COM EAST SEAFRON

RUWGALD/SPADAT

INFO RUCKDT/COMASWFORLANT

BT

UNCLAS

LOCATING ONE UFO AMPLIFYING

A. MY 082206Z

1. -. ONE

B. ROUND-STAR SHAPE

C. SAME S SECOND MAGNITUDE STAR

D. WHITE

2. A. MOVEMENT ACROSS THE SKY

B. 20 DEGREES ABOVE THE HORIZON- IN VICINITY OF THE MOON

C. ELEVATION 045 DEGREES, ASIMUTH 224 DEGREES TRUE

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

I N C O M I N G

AF IN : 25279(9 Apr 63) X/wj

Pg 2 of 2

PAGE TWO RUDIC 100

D. NORTHWEST TO SOUTHEAST

E. LOST IN GLOW FROM MOON

F. 13 MINUTES

3. A. AIR-VISUAL

B. NAKED-EYE

C. 6226N 1024W, 082130Z, 5500 FEET, 240 DEGREES MAG, 190 TAS

D. NIGHT-BRIGHT MOONLIGHT

E. ON-TOP, VIS-UNLIMITED, CLOUD-9/10 THS COVERAGE, WIND

335/26

BT

09/0503Z

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

AF IN : 24949 (9 Apr 63)

A/ab

Page 1 of 2 Pages

ACTION: NIN-9

INFO : XOP-1, XOPX-4, SAF-OS-3, DIA-20, DIA(CIIC)-2 (40)

SMB B086

CZCHQA881ZCECB105

***** ZZ RUEAHQ

ZFD RUDIC 057

ZNR

UNCLAS SVC.

***** ZZ RUECW RUCKHC RUEAHQ RUWGALB RUEASN RUEGUH RUCKDT RUWGALE

DE RUDIC 283

ZNR

Z 082211Z

NAVY SVC

BT

UNCLAS

ZUI RUDIC 263/082206Z NOTAL.

RUWGALE TAKE FOR FIRST TIME ALL OTHERS C TO TO INFO

ZZ RUECW RUCKHC RUEAHQ RUWGALE RUEASN RUEGUH RUCKDT RUWGALE

DE RUDIC 263

Z 082206Z0

FM COMBARFORLANT

TO RUECW/CNO

RUCKHC/CINCLANTFLT

RUEAHQ/HQ USAF

RUWGALB/CINCONAD

RUEASN/26 NORAD REGION

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

I N C O M I N G

AF IN: 24949 (9 Apr 63)

Page 2 of 2 Pages

RUEGUH/COMEASTSEAFRON

RUEWGALE/SPADAT

INFO RUCKDT/COMASWFORLANT

NAVY GRNC

BT

UNCLAS

LOCATING ONE UFO

1. POSS SATELLITE

2. 6226N 1024W

3. 082130Z

4. CUS 160 SPD EST. 18000

5. VISUAL

6. ALT UNKNOWN

BT

08/2206Z

NOTE : Adv cy del to DIA & NIN

EQUATOR S-N				SATELLITE 1960 TOTAL FOR OTHER LATITUDES			
TIME (UT)	LONG. (W)	LAT.	CORR.	TIME (UT)	LONG. (W)	HT. (MI)	BEAR. (IN-ET)
APRIL 7, 1963							
0 47.2	171.11	47.4	28.9	-82.67	945	90.0*	
1 52.6	202.35	45.0	23.6	-60.68	939	72.3*	
3 10.0	231.50	40.0	19.4	-45.47	933	60.7*	
5 31.8	260.69	35.0	16.3	-35.87	928	54.0*	
8 24.9	289.88	30.0	13.7	-28.55	922	49.4	
10 25.2	319.08	20.0	8.9	-17.28	915	43.7	
12 19.7	348.27	0.	0.	0.	909	39.9	
14 15.1	17.47	-20.0	-8.8	17.29	898	43.7	
16 10.5	46.67	-30.0	-13.6	28.57	896	49.4	
18 5.9	75.86	-35.0	-16.3	35.90	899	54.0	
20 1.3	105.05	-40.0	-19.4	45.51	901	60.7*	
22 56.7	134.25	-45.0	-23.4	60.73	904	72.3*	
24 52.2	163.44	-47.4	-28.6	82.74	908	90.0*	

APRIL 8, 1963							
1 47.2	192.64	47.4	28.9	-82.67	943	90.0*	
3 43.0	221.83	45.0	23.6	-60.68	937	72.3*	
5 18.4	251.02	40.0	19.4	-45.47	931	60.7*	
7 33.8	280.22	35.0	16.3	-35.87	926	54.0*	
9 29.2	309.41	30.0	13.7	-28.55	921	49.4	
11 28.7	338.61	20.0	8.8	-17.28	914	43.7	
13 20.1	7.80	0.	0.	0.	902	39.9	
15 15.5	36.99	-20.0	-8.8	17.29	897	43.7	
17 10.9	66.19	-30.0	-13.6	28.57	898	49.4	
19 5.3	95.38	-35.0	-16.3	35.90	899	54.0	
21 1.8	124.58	-40.0	-19.4	45.51	901	60.7*	
23 57.2	153.77	-45.0	-23.4	60.73	904	72.3*	
		-47.4	-28.6	82.74	909	90.0*	

APRIL 9, 1963							
0 42.6	182.97	47.4	28.9	-82.68	942	90.0*	
2 43.0	212.15	45.0	23.6	-60.69	936	72.3*	
4 43.4	241.35	40.0	19.4	-45.48	929	60.7*	
6 38.8	270.55	35.0	16.3	-35.87	924	54.0*	
8 35.3	299.74	30.0	13.7	-28.56	919	49.4	
10 29.7	328.94	20.0	8.8	-17.29	911	43.7	
12 25.1	358.13	0.	0.	0.	901	39.9	
14 20.5	27.32	-20.0	-8.8	17.29	897	43.7	
16 15.9	56.52	-30.0	-13.6	28.57	898	49.4	
18 11.3	85.71	-35.0	-16.3	35.90	900	54.0	
20 6.7	114.91	-40.0	-19.4	45.51	902	60.7*	
22 2.2	144.10	-45.0	-23.4	60.73	905	72.3*	
24 57.0	173.30	-47.4	-28.6	82.74	910	90.0*	

APRIL 10, 1963							
1 53.0	202.49	47.4	28.8	-82.68	940	90.0*	
3 48.4	231.68	45.0	23.6	-60.69	934	72.3*	
5 43.8	260.88	40.0	19.4	-45.48	927	60.7*	
7 39.2	290.07	35.0	16.3	-35.88	922	54.0	
9 34.7	319.27	30.0	13.6	-28.56	917	49.4	
11 30.1	348.46	20.0	8.8	-17.29	909	43.7	
13 25.5	17.65	0.	0.	0.	899	39.9	
15 20.9	46.85	-20.0	-8.8	17.29	897	43.7	
17 16.3	76.04	-30.0	-13.6	28.57	898	49.4	
19 11.7	105.24	-35.0	-16.3	35.90	900	54.0	
21 7.2	134.43	-40.0	-19.4	45.51	901	60.7*	
23 2.6	163.62	-45.0	-23.4	60.73	904	72.3*	
		-47.4	-28.6	82.74	912	90.0*	

EQUATOR S-N				SATELLITE 1960 TOTAL FOR OTHER LATITUDES			
TIME (UT)	LONG. (W)	LAT.	CORR.	TIME (UT)	LONG. (W)	HT. (MI)	BEAR. (IN-ET)
APRIL 11, 1963							
0 58.0	192.82	47.4	28.8	-82.67	939	90.0*	
2 53.4	221.01	45.0	23.6	-60.67	932	72.3*	
4 48.8	249.20	40.0	19.4	-45.43	925	60.7*	
6 44.2	278.40	35.0	16.3	-35.58	920	54.0	
8 39.6	307.59	30.0	13.6	-28.56	915	49.4	
10 35.1	336.79	20.0	8.9	-17.29	908	43.7	
12 30.5	7.98	0.	0.	0.	898	39.9	
14 25.9	37.17	-20.0	-8.9	17.29	896	43.7	
16 21.3	66.37	-30.0	-13.6	28.57	899	49.4	
18 16.7	95.56	-35.0	-16.2	35.90	901	54.0*	
20 12.1	124.75	-40.0	-19.3	45.51	904	60.7*	
22 7.5	153.95	-45.0	-23.4	60.73	908	72.3*	
		-47.4	-28.6	82.74	914	90.0*	

APRIL 12, 1963							
0 3.0	183.14	47.4	28.8	-82.69	937	90.0*	
2 58.4	211.34	45.0	23.6	-60.70	930	72.3*	
4 53.8	240.53	40.0	19.4	-45.49	923	60.7*	
6 49.2	270.72	35.0	16.3	-35.88	918	54.0	
8 44.6	299.92	30.0	13.6	-28.56	913	49.4	
10 40.0	329.11	20.0	8.8	-17.29	906	43.7	
12 35.5	358.31	0.	0.	0.	907	39.9	
14 30.9	27.50	-20.0	-8.8	17.29	896	43.7	
16 26.3	56.69	-30.0	-13.6	28.58	899	49.4	
18 21.7	85.89	-35.0	-16.2	35.90	901	54.0*	
20 17.1	115.08	-40.0	-19.3	45.51	904	60.7*	
22 12.5	144.27	-45.0	-23.4	60.73	909	72.3*	
24 7.9	173.47	-47.4	-28.6	82.74	915	90.0*	

APRIL 13, 1963							
1 1.4	202.66	47.4	28.8	-82.70	935	90.0*	
2 56.8	231.85	45.0	23.6	-60.70	929	72.3*	
4 52.2	261.05	40.0	19.4	-45.49	921	60.7*	
6 47.6	290.24	35.0	16.3	-35.89	916	54.0	
8 43.0	319.43	30.0	13.6	-28.57	912	49.4	
10 38.4	348.63	20.0	8.8	-17.29	905	43.7	
12 33.8	17.82	0.	0.	0.	896	39.9	
14 29.2	47.02	-20.0	-8.9	17.29	896	43.7	
16 24.6	76.21	-30.0	-13.6	28.58	900	49.4	
18 20.0	105.40	-35.0	-16.2	35.90	902	54.0*	
20 15.4	134.60	-40.0	-19.3	45.51	906	60.7*	
22 10.8	163.79	-45.0	-23.4	60.73	911	72.3*	
		-47.4	-28.6	82.74	917	90.0*	

MODIFIED ORBITAL ELEMENTS FOR EARTH SATELLITE 1960 TOTAL 1
REFERENCE TIME 1963 Y. 3 M 30 D 1 H 52.52 M UT
INCLINATION 47.25 DEG.
ASCENDING NODE LONG. 155.70 DEG. WEST
PERIODE INTERVAL ONE DAY -16.77 MIN.
ARGUMENT OF PERIGEE 271.97 DEG.
RATE OF CHANGE 0.38355 DEG. PER PERIOD
ANOMALISTIC PERIOD 115.945 MIN.
RATE OF CHANGE -0.00005 MIN. PER PERIOD
ECCENTRICITY 0.00497
RADIUS OF PERIGEE 4858.2 MILES
RADIUS OF APOGEE 4908.2 MILES
RATE OF CHANGE -0.04 MILES PER DAY
ASCENDING NODE (R.A.) 59.00 DEG.
RATE OF CHANGE -3.25680 DEG. PER DAY
LATITUDE OF PERIGEE -47.21 DEG.

PROJECT 10073 RECORD CARD

1. DATE 9 April 1963		2. LOCATION Duluth, Minnesota		12. CONCLUSIONS ☐ 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 10/0320Z		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☒ No		6. SOURCE Civilian			
7. LENGTH OF OBSERVATION 2 minutes		8. NUMBER OF OBJECTS one		9. COURSE climbing	
10. BRIEF SUMMARY OF SIGHTING Round object with flat top bigger than moon observed at 70 dgr elevation 140 dgr azimuth from car. Object was glowing and appeared to climb. In sight for two minutes at which time it had moved to 120 dgr azimuth. Color of a brilliant orange.				11. COMMENTS Considerable jet and conventional a/c traffic in area at time of report. F-106's taking off fm Duluth a few miles from sighting. Probably one of these a/c with afterburner. Duration consistent with this analysis. Description conforms to balloon sighting, however duration more in line with a/c sighting.	

↑
NNNN

↑

WPA012030J356ZCDUA226

11 APR 63 18 47z

PP RUCDSO

DE RUCDDU 24

ZNR

PRIORITY

P 111532Z

FM DUADS DULUTH MUNI APRT MINN

TO RUWGALE/ADC ENT AFB COLO

RUDDAH/30 ADIV TRUAF FLD WISC

RUCDSC/ATIC WPAFB OHIO

RUZAHQ/COUSAF WASH DC

BT

UNCLAS DUOIN-U-63-005. HQ USAF FOR SAFS AND AFCIN. REFERENCE
AFR 200-2. THE FOLLOWING UFO REPORT IS SUBMITTED.

A 111532Z 11 APR 63

27 E (UFO)
3
4x

A (1) ROUND WITH A FLAT TOP

(2) BIGGER THAN FULL MOON THEN DIMINISHING

(3) BRILLIANT ORANGE

(4) ONE

(5) N/A

(6) GLOWING

(7) NONE

(8) NONE

PAGE TWO RUCDDU 24

(9) APPEARED TO CLIMB

B (1) SON SAW IT AND BROUGHT IT TO HER ATTENTION WHILE RIDING IN
AUTOMOBILE. DID NOT STOP.

(2) 70 DEGREES ELEVATION 140 DEGREES AZIMUTH

(3) 70 DEGREES ELEVATION 120 DEGREES AZIMUTH

(4) CURVED CLIMB GETTING STEEPER

(5) FADED OUT

(6) TWO MINUTES

C (1) VISUAL

(2) NONE

(3) NONE

D (1) 10 APRIL 1963 0345Z

(2) NIGHT

E (1) 4648N - 9210W

(2) NORTHERN OUTSKIRTS OF DULUTH MINN

F (1) HRS

WIFE

PAGE THREE RUCDDU 24

020/25

350/25

340/30

310/40

290/30

200/60

(3) 6000 OVERCAST

(4) 15 PLUS

(5) 10/10

(6) NONE

H NONE

I NONE

J CONSIDERABLE JET AND CONVENTIONAL ACFT TRAFFIC IN AREA OF
DULUTH AIR BASE AT THAT TIME

K NORAD INTELLIGENCE OFFICER. MAY HAVE BEEN AFTERBURNER GLOW FROM
CLIMBING ACFT. F-106, S FROM DULUTH BASE TAKE OFF A FEW MILES
FROM AREA WHERE OBJECT WAS SIGHTED.

L NONE

M NOT SURE. COULD HAVE BEEN BALLOON

BT

11/1553Z APR RUCDDU