

PROJECT 10073 RECORD CARD

1. DATE 28 March 1963		2. LOCATION 35.00N 48.00W (ATLANTIC)		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical	
3. DATE-TIME GROUP Local _____ GMT 28/2150Z		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar		☒ Other satellite (CCN) ☐ Insufficient Data for Evaluation ☐ Unknown	
5. PHOTOS ☐ Yes ☒ No		6. SOURCE Military			
7. LENGTH OF OBSERVATION not reported		8. NUMBER OF OBJECTS one		9. COURSE 060 dgr	
10. BRIEF SUMMARY OF SIGHTING Object described as a fast moving star sighted heading 060 dgr at 62 dgr altitude. Bearing remained constant and elevation decreased to 15 dgrs.				11. COMMENTS Sighting contains only limited information. On basis of previous rpts of this nature with the duration missing, case is evaluated as a possible satellite. Description and heading conform with this analysis. AT 2130Z 28 MAR 1963 HEADING OF 060 DGR ELEVATION 15 DGR	

28/2150Z

NAVAL MESSAGE

UNCLASSIFIED

NAVY DEPARTMENT

PRECEDENCE FLASH	(ACTION)	RELEASED BY	DRAFTED BY	EXT. NO.
FLASH	(INFO)			

AF IN : 9757 (29 Mar 63) A/crp

Z 282230Z
FM USCGC MCCULLOCH

AF DIST: ACTION: NIN-9
INFO : XOP-1, XOPX-4, SAF-OS-3, DIA-20,
DIA-CIIC-2 (48)

TO ZEN/CINCLANTFLT
RUEASN/CINNORAD
RUEASN/26NORAD
RUEAHQ/HQ USAF CNP

INFO ZEN/COMDT COGARD
ZEN/COMEASTAREA
RUECW/CNO
RUWSPG/COMEASTSEAFRON

UNCLAS

LOCATING ONE

1. UFO
2. LAT 35-00N LONG 48-00W
3. 282150Z
4. SIGHTED BEARING 060 ALTITUDE 62 DEGREES. BEARING
CONSTANT ALTITUDE DECREASED TO 15 DEGREES.
5. VISUAL
6. APPEARED TO BE FAST MOVING STAR

AF NOTE: Suspected dupe of AF IN 9710.

92....COG

SECNAV UNSECNAV ASTSECNAV(R&D) 00 09 09B 09M 09D 03 33 34 35 05 06 07

72 76 94 IP NAVAIDE FLAGPLOT BFR CMC JCS CSA CSAF CIA NIC
ADVANCE COPIES DELIVERED

CONTROL NO.	CIRCUIT NO.	PAGE	OF	PAGES	TIME OF RECEIPT	DATE TIME GROUP
62922/WH/WR/3	B237	1		1	2319Z/28 MAR 63	282230Z MAR 63

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

01

SMB B334

ZCHQA908ZCECA604

'4'''' ZZ RUEAHQ

DE RUECJD 097

ZNR

Z 282230Z

FM USCGC MCCULLOCH

TO ZEN/CINCLANTFLT

RUEASN/CINNORAD

RUEASN/26NORAD

RUEAHQ/HQ USAF CNP

INFO ZEN/COMDT COGARD

ZEN/COMEASTAREA

RUECW/CNO

RUEWSPG/COMEASTSEAFRON

USCG GRNC

BT

UNCLAS

LOCATING ONE

1. UFO

2. LAT 35-00N LONG 48-00W

3. 282150Z

4. SIGHTED BEARING 060 ALTITUDE 62 DEGREES. BEARING
CONSTANT ALTITUDE DECREASED TO 15 DEGREES.

5. VISUAL

6. APPEARED TO BE FAST MOVING STAR

BT NOTE : ADV CY DEL TO NIN, DIA AND XOPX

AF IN: 9710 (28 Mar 63) A/dfc

ACTION: NIN-9

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

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

SMB B335

01

CHQA907ZCECB594 AF IN : 9712 (28Mar 63) A/dfc

***** ZZ RUEAHQ ACTION: NIN-9

ZNR ZFD RUECJD 099 INFO : XOP-1, XOPX-4, SAE-OS-3, DIA-20, DIA CIIC-2
(40)

***** ZZ RUEASN RUEAHQ RUECJD RUECW RUWSRG

DE RUECJD 097

ZNR

Z 282230Z

FM USCGC MCCULLOCH

TO ZEN/CINCLANTFLT

RUWGALB/CINNORAD

RUEASN/26NORAD

RUEAHQ/HQ USAF CNP

INFO ZEN/COMDT COGARD

ZEN/COMEASTAREA

RUECW/CNO

RUWSPG/COMEASTSEAFRON

USCG GRNC

BT

UNCLAS

LOCATING ONE

1. UFO

2. LAT 35-00N LONG 48-00W

3. 282150Z

4. SIGHTED BEARING 060 ALTITUDE 62 DEGREES. BEARING
CONSTANT ALTITUDE DECREASED TO 15 DEGREES.

5. VISUAL

6. APPEARED TO BE FAST MOVING STAR

BT

NOTE : SUSP DUPE OF AF IN 9710 (28Mar 63)

EQUATOR S-N				SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES							
TIME UT	LONG. UT	LAT.	CORR.	SOUTH-NORTH LONG. CORR.	MT. (MI)	BEAR. (IN-E)	TIME CORR.	NORTH-SOUTH LONG. CORR.	MT. (MI)	BEAR. (IN-E)	
MARCH 24, 1963											
0	5.7	306.07	57.4	29.0	-82.45	933	90.0	29.0	-82.47	933	90.0
2	4.1	133.27	49.0	23.8	-60.77	934	72.4	34.2	-104.57	930	107.5
3	59.5	167.57	60.0	19.6	-45.50	934	60.7	38.4	-119.63	927	110.3
4	55.0	171.57	55.0	16.5	-35.88	933	54.0	41.5	-129.65	924	126.0
7	30.4	270.87	60.0	13.8	-28.56	932	49.4	44.2	-136.73	921	136.6
9	45.8	230.06	70.0	8.9	-17.28	930	43.7	49.0	-143.06	917	136.1
11	41.3	279.79	0.	0.	0.	927	39.9	57.9	-155.36	912	140.1
13	36.7	304.55	-20.0	-4.9	17.29	925	43.7	-48.9	148.10	911	136.1
15	32.1	331.65	-30.0	-13.8	28.57	924	49.4	-44.0	136.82	913	130.6
17	27.6	36.86	-40.0	-16.4	35.87	924	54.0	-41.4	129.64	914	126.0
19	24.0	76.10	-45.0	-19.6	45.51	923	60.7	-38.4	119.63	916	110.3
21	19.6	167.57	-55.0	-24.7	60.78	922	72.4	-34.2	104.57	918	107.5
23	15.0	270.87	-60.0	-29.0	82.47	920	90.0	-29.0	82.71	920	90.0
MARCH 25, 1963											
1	4.3	124.45	-61.4	20.0	-82.66	931	90.0	29.0	-82.70	931	90.0
3	5.2	132.90	-49.0	16.7	-60.78	931	72.4	34.2	-104.58	929	107.5
5	5.7	142.05	-35.0	13.5	-45.51	931	60.7	38.4	-119.64	926	110.3
7	55.8	191.1	-20.0	10.5	-35.89	930	54.0	41.5	-129.66	924	126.0
9	51.3	240.81	-10.0	7.5	-28.57	929	49.4	44.2	-136.74	922	136.6
11	46.8	290.06	0.0	4.5	-17.29	927	43.7	49.0	-143.07	919	136.1
13	42.3	339.29	-10.0	1.5	17.29	925	43.7	-48.9	148.11	918	136.1
15	37.8	388.54	-20.0	-1.5	28.57	924	49.4	-44.0	136.83	919	130.6
17	33.3	437.79	-30.0	-4.5	35.87	924	54.0	-41.4	129.64	920	126.0
19	28.8	487.04	-40.0	-7.5	45.52	923	60.7	-38.4	119.65	921	110.3
21	24.3	536.29	-50.0	-10.5	60.79	922	72.4	-34.2	104.58	922	107.5
23	19.8	585.54	-60.0	-13.5	82.48	920	90.0	-29.0	82.71	922	90.0
MARCH 26, 1963											
0	5.5	634.04	-60.0	-13.5	-82.66	929	90.0	29.0	-82.71	928	90.0
2	5.0	683.29	-45.0	-10.5	-60.78	929	72.4	34.2	-104.59	926	107.5
4	4.5	732.54	-30.0	-7.5	-45.52	928	60.7	38.4	-119.65	924	126.0
6	4.0	781.79	-15.0	-4.5	-35.89	927	54.0	41.5	-129.67	922	136.6
8	3.5	831.04	0.0	-1.5	-28.57	926	49.4	44.2	-136.75	920	136.6
10	3.0	880.29	10.0	1.5	-17.29	925	43.7	49.0	-143.08	919	136.1
12	2.5	929.54	20.0	4.5	17.29	924	43.7	-48.9	148.12	918	136.1
14	2.0	978.79	30.0	7.5	28.57	923	49.4	-44.0	136.84	919	130.6
16	1.5	1028.04	40.0	10.5	35.87	923	54.0	-41.4	129.65	920	126.0
18	1.0	1077.29	50.0	13.5	45.52	922	60.7	-38.4	119.66	921	110.3
20	0.5	1126.54	60.0	16.5	60.79	921	72.4	-34.2	104.59	922	107.5
22	0.0	1175.79	70.0	19.5	82.48	920	90.0	-29.0	82.72	922	90.0
MARCH 27, 1963											
1	5.4	124.46	-61.4	20.0	-82.67	928	90.0	29.0	-82.72	928	90.0
3	5.3	132.91	-49.0	16.7	-60.79	928	72.4	34.2	-104.60	926	107.5
5	5.2	142.06	-35.0	13.5	-45.53	927	60.7	38.4	-119.66	924	126.0
7	5.1	151.21	-20.0	10.5	-35.90	926	54.0	41.5	-129.68	922	136.6
9	5.0	160.36	-10.0	7.5	-28.58	925	49.4	44.2	-136.76	920	136.6
11	4.9	169.51	0.0	4.5	-17.30	924	43.7	49.0	-143.09	919	136.1
13	4.8	178.66	10.0	1.5	17.30	923	43.7	-48.9	148.13	918	136.1
15	4.7	187.81	20.0	4.5	28.58	922	49.4	-44.0	136.85	919	130.6
17	4.6	196.96	30.0	7.5	35.88	922	54.0	-41.4	129.66	920	126.0
19	4.5	206.11	40.0	10.5	45.53	921	60.7	-38.4	119.67	921	110.3
21	4.4	215.26	50.0	13.5	60.80	920	72.4	-34.2	104.60	922	107.5
23	4.3	224.41	60.0	16.5	82.49	919	90.0	-29.0	82.73	922	90.0

SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES																
EQUATOR S-N		LAT.	SOUTH-NORTH				NORTH-SOUTH	MT.	BEAR.	TIME CORR.	LONG. CORR.	LAT.	SOUTH-NORTH			
TIME UT	LONG. UT		TIME CORR.	LONG. CORR.	HT. [MI]	BEAR. [IN-E]							TIME CORR.	LONG. CORR.	HT. [MI]	BEAR. [IN-E]
MARCH 28, 1961																
0	20.3	124.00	47.4	28.8	-82.68	924	90.0	28.8	-82.72	924	90.0	28.8	-82.72	924	90.0	
2	15.7	153.20	45.0	23.7	-60.80	923	72.4	34.1	-104.60	924	107.5	34.1	-104.60	924	107.5	
4	11.7	182.35	40.0	19.5	-45.53	921	60.7	36.2	-119.67	923	110.3	36.2	-119.67	923	110.3	
6	8.4	211.60	35.0	16.4	-33.91	920	54.0	41.3	-129.40	923	124.0	41.3	-129.40	923	124.0	
8	7.0	240.80	30.0	13.7	-28.50	919	49.5	46.0	-134.82	922	130.4	46.0	-134.82	922	130.4	
9	57.5	270.00	20.0	8.9	-17.29	918	43.7	58.9	-149.10	921	136.3	58.9	-149.10	921	136.3	
11	52.9	299.20	0.	0.	0.	917	39.9	57.7	-165.40	921	140.1	57.7	-165.40	921	140.1	
13	48.3	328.40	-20.0	-8.9	17.29	921	43.7	-49.0	149.08	924	136.3	-49.0	149.08	924	136.3	
15	43.6	357.59	-30.0	-13.7	28.51	923	49.4	-54.1	148.50	926	130.6	-54.1	148.50	926	130.6	
17	38.7	386.79	-35.0	-16.4	33.70	925	54.0	-61.4	129.37	927	124.0	-61.4	129.37	927	124.0	
19	33.8	415.99	-40.0	-19.5	45.52	926	60.7	-68.3	119.84	928	117.5	-68.3	119.84	928	117.5	
21	28.9	445.19	-45.0	-23.7	60.79	928	72.4	-74.1	104.59	929	107.6	-74.1	104.59	929	107.6	
23	23.9	474.39	-47.4	-28.8	82.67	929	90.0	-78.0	82.71	929	90.0	-78.0	82.71	929	90.0	
MARCH 29, 1961																
1	20.3	153.20	47.4	28.8	-82.68	920	90.0	28.8	-82.73	920	90.0	28.8	-82.73	920	90.0	
3	15.7	182.35	45.0	23.7	-60.80	919	72.4	34.1	-104.61	921	107.5	34.1	-104.61	921	107.5	
5	11.7	211.60	40.0	19.5	-45.53	918	60.7	36.2	-119.68	921	110.3	36.2	-119.68	921	110.3	
7	8.4	240.80	35.0	16.4	-33.91	917	54.0	41.3	-129.50	921	124.0	41.3	-129.50	921	124.0	
9	7.0	270.00	30.0	13.7	-28.50	916	49.5	46.0	-134.83	921	130.4	46.0	-134.83	921	130.4	
11	57.5	299.20	20.0	8.9	-17.29	915	43.7	49.8	-150.11	921	136.3	49.8	-150.11	921	136.3	
13	52.9	328.40	0.	0.	0.	916	39.9	57.7	-165.51	922	140.1	57.7	-165.51	922	140.1	
15	48.3	357.59	-20.0	-8.9	17.29	921	43.7	-49.0	149.07	927	136.3	-49.0	149.07	927	136.3	
17	43.6	386.79	-30.0	-13.7	28.51	923	49.4	-54.1	129.79	929	130.6	-54.1	129.79	929	130.6	
19	38.7	415.99	-35.0	-16.4	33.70	925	54.0	-61.4	120.47	930	124.0	-61.4	120.47	930	124.0	
21	33.8	445.19	-40.0	-19.5	45.52	926	60.7	-68.3	119.85	932	117.5	-68.3	119.85	932	117.5	
23	28.9	474.39	-45.0	-23.7	60.79	931	72.4	-74.1	104.59	933	107.6	-74.1	104.59	933	107.6	
			-47.4	-28.8	82.67	933	90.0	-78.0	82.71	933	90.0	-78.0	82.71	933	90.0	
MARCH 30, 1961																
0	20.3	153.20	47.4	28.8	-82.68	917	90.0	28.8	-82.74	917	90.0	28.8	-82.74	917	90.0	
2	15.7	182.35	45.0	23.7	-60.80	916	72.4	34.1	-104.62	918	107.5	34.1	-104.62	918	107.5	
4	11.7	211.60	40.0	19.5	-45.53	915	60.7	36.2	-119.69	918	110.3	36.2	-119.69	918	110.3	
6	8.4	240.80	35.0	16.4	-33.91	915	54.0	41.3	-129.51	918	124.0	41.3	-129.51	918	124.0	
8	7.0	270.00	30.0	13.7	-28.50	914	49.5	46.0	-134.84	918	130.4	46.0	-134.84	918	130.4	
10	57.5	299.20	20.0	8.9	-17.29	914	43.7	49.8	-150.12	918	136.3	49.8	-150.12	918	136.3	
12	52.9	328.40	0.	0.	0.	915	39.9	57.7	-165.52	919	140.1	57.7	-165.52	919	140.1	
14	48.3	357.59	-20.0	-8.9	17.29	921	43.7	-49.0	149.04	925	136.3	-49.0	149.04	925	136.3	
16	43.6	386.79	-30.0	-13.7	28.51	923	49.4	-54.1	129.74	927	130.6	-54.1	129.74	927	130.6	
18	38.7	415.99	-35.0	-16.4	33.70	925	54.0	-61.4	120.44	929	124.0	-61.4	120.44	929	124.0	
20	33.8	445.19	-40.0	-19.5	45.52	926	60.7	-68.3	119.85	931	117.5	-68.3	119.85	931	117.5	
22	28.9	474.39	-45.0	-23.7	60.79	934	72.4	-74.1	104.58	934	107.6	-74.1	104.58	934	107.6	
24	23.9	503.59	-47.4	-28.8	82.67	936	90.0	-78.0	82.70	936	90.0	-78.0	82.70	936	90.0	