

PROJECT 10073 RECORD CARD

1. DATE 29 May 1963		2. LOCATION 30.50N 169.00W (PACIFIC)		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 30/0741Z		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☒ No		6. SOURCE Military			
7. LENGTH OF OBSERVATION 3 minutes		8. NUMBER OF OBJECTS one		9. COURSE Northwest	
10. BRIEF SUMMARY OF SIGHTING MERINT rpt of UFO at high altitude. Obj initially sighted at 60 dgr azimuth 45 dgr elevation moving to 22 dgr azimuth 12 dgr elevation during three minute observation. Obj disappeared and reappeared twice during observation. Sky clear, no unusual WX conditions in area. Obj reached brightness of 2d magnitude star between periods of fading.				11. COMMENTS Echo crossed equator at 0733Z at 137.46W & would be low on horizon if visible to E. Duration rules out astro bodies. Possible a/c however descent fm 60 dgr elevation to 12 dgr elevation unusual. Sighting in area of Hawaiian Islands. Insufficient data for evaluation.	

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

AF IN : 38880 (30 May 63) M/crp

Pg 1 of 2

INFO : NIN-9, XOP-1, XOPX-4, SAF-OS-3, ARMY-2, CMC-8, JCS-35,
DIA-25, DIA-CIIC-2, OSD-15, NSA-7, CIA-11 (123)

SMB A167

ZCHQA256ZCQJA902

OO RUEAHQ

DE RUHLKH 6

ZNR

O 300940Z

FM 326 AIR DIV KUNIA FACILITY HAWAII

TO RUHLKM/PACAF HICKAM AFB HAWAII

RUHPHH/COMHAWSEAFRON PEARL HARBOR HAWAII

INFO RUEAHQ/CSAF USAF WASH DC

RUECW/CNO WASH DC

RUECW/SECNAV WASH DC

RUWGALB/C INCNORAD ENT AFB COLO

RUHPA/CINCPAC CAMP H M SMITH HAWAII

RUHAFS/C INCUSARPAC FT SHAFTER HAWAII

RUHPB/CINCPACFLT PEARL HARBOR HAWAII

RUUAZ/C OMUSJAPAN FUCHU AS JAPAN

RUAMC/COMUSKOREA SEOUL KOREA

RUAGFL/COMUSTDC TAIPEI TAIWAN

RUCSBRB/C INCSAC OFFUTT AFB NEBR

AF GRNC

BT

UNCLAS.

OFFICE
SAFS
SAFUS
Dep RR
SAFMA
Dep MA
Dep FM
Dep TC
Dep SM
SAFFM
SAFRD
SAFMP
MP O
R ROTC
SAFAA
SAFGC
SAFOI
SAFIE
SAFLL
DSMG

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STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE
I N C O M I N G

AF IN : 38880 (30 May 63)

Pg 2 of 2

PAGE TWO RUHLKH 6

A. JANAP 146D

1. MERINT

2. LANSING

3. UFD

4. 30-50N 169-00W

5. 300741Z

6. HIGH

7. UNDETERMINED

8. UNDETERMINED

9. INITALLY SIGHTED BERING 060 POSIT ANGLE 45. FADED
BEARING 022 POSIT ANGLE 12 AFTER 3 MIN OF OBSERVATION.
OBJECT REACHED MAX BRIGHTNESS OF SECOND MAG STAR, FADED
AND REAPPEARED TWICE DURING 3 MIN PERIOD. SKY CLEAR AT
TIME OF OBS. NO UNUSUAL WEATHER CONDITIONS NOTED

10. SKY CLEAR

BT

30/0955Z MAY RUHLKH

NOTE: Adv copy to DIA, NIN and XOPX

DEPARTMENT OF THE AIR FORCE

STAFF MESSAGE BRANCH

SMB 3124

AF IN :

38827 (30 May 63) S/no

PAGE 1 OF 2

ZCZCHQA245ZCECA184

INFO :

NIN-9, XOP-1, XOPX-4, SAF-OS-3, ARMY-2, NAVY-2,
CMC-8, JCS-35, DIA-25, DIA-CIIC-2, OSD-15,
CIA-11, NSA-7 (125)

..... YY RUEAHQ

DE RUHPF B025

ZNR

Y 290901Z

FM COMBARPAC

TO RUHPHH/COMHAWSEAFRON

RUHLKM/CINCPACAF

RUUAUAH/HADD KUNIA

ZEN/CINCNORAD

INFO RUECW/CNO

RUEAHQ/COFS USAF

RUHPA/CINCPAC

RUHPB/CINCPACFLT

RUHAFS/CINCUSARPAC

RUHLKMP/PACAFBASECOM HICKAM

RUECW/SECNAV

NAVY GRNC

BT

UNCLAS.

A. JANAP 146D

1. MERINT

2. LANSING

3. UFO

4. 30-50N 169-00W

5. 300741Z

6. HIGH

7. UNDETERMINED

8. UNDETERMINED

OFFICE
SAFS
SAFUS
Dep RR
SAFMA
Dep MA
Dep PM
Dep TC
Dep SM
SAFPM
SAFRD
SAFMP
NP O
R ROTC
SAFAA
SAFCC
SAFOI
SAFIE
SAFLL
DSMG

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

I N C O M I N G

AF IN : 38827 (30 May 63)

PAGE 2 OF 2

PAGE TWO RUHPF B025

9. INITIALLY SIGHTED BERING 060 POSIT ANGLE 45. FADED
BEARING 022 POSIT ANGLE 12 AFTER 3 MIN OF OBSERVATION.
OBJEECT REACHED MAX BRIGHTNESS OF SECOND MAG STAR, FADED
AND REAPPEARED TWICE DURING 3 MIN PERIOD. SKY CLEAR AT
TIME OF OBS. NO UNUSUAL WEATHER CONDITIONS NOTED

10. SKY CLEAR

BT

29/0902Z

NOTE : ADVANCE COPIES DELIVERED TO NIN, XOPX AND DIA.

This case includes one (1) 8½" x 10"
photocopied page of narrative.

MAY 22, 1963

SATELLITE 1960 IOTA 1, NCHO 1

These predictions are based on orbital elements revised on May 20, 1963
 T = May 21.0, times are in days, U.T.
 Argument of perigee = $225^{\circ}919 + 3^{\circ}7634 (t-T)$
 Right ascension of ascending node = $249^{\circ}183 - 3^{\circ}2827 (t-T)$

Inclination = $47^{\circ}2076$
 Eccentricity = $0.033355 + 6.34 \times 10^{-4} (t-T)$
 Semi-major axis = 7.846789 megameters
 Mean anomaly (Nov.) = $0.46536 + 12.489962 (t-T) + 3.857 \times 10^{-4} (t-T)^2$

SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES										SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES									
EQUATOR S-N		LAT.	SOUTH-NORTH		MT.	BEAR. (N-E)	NORTH-SOUTH		MT.	BEAR. (N-E)	EQUATOR S-N		LAT.	SOUTH-NORTH		MT.	BEAR. (N-E)	NORTH-SOUTH	
TIME (UT)	LONG. (W)		TIME CORR.	LONG. CORR.			TIME CORR.	LONG. CORR.			TIME (UT)	LONG. (W)		TIME CORR.	LONG. CORR.			TIME CORR.	LONG. CORR.
MAY 25, 1963																			
1 49.8	53.42	47.4	30.8	-82.19	1082	90.0°	30.8	-82.24	1082	90.0°	1 48.1	50.07	47.4	30.6	-82.22	1112	90.0°	30.7	-82.27
3 45.0	62.36	45.0	25.2	-60.48	1101	72.4°	36.3	-103.97	1048	107.6°	3 43.3	59.20	45.0	25.0	-60.52	1117	72.4°	36.2	-103.98
5 40.2	91.69	40.0	20.7	-45.76	1105	60.7°	40.7	-119.22	1012	119.3°	5 38.5	108.33	40.0	20.5	-45.31	1108	60.7°	40.7	-119.21
7 35.4	120.83	35.0	17.4	-35.68	1100	54.0°	43.9	-128.83	981	126.0°	7 33.6	137.46	35.0	17.2	-35.73	1094	54.0°	44.0	-128.80
9 30.5	149.95	30.0	14.5	-26.40	1092	49.4°	46.7	-136.14	954	130.6°	9 28.8	164.59	30.0	14.3	-26.45	1078	49.4°	46.8	-136.10
11 25.7	179.10	20.0	9.3	-17.19	1067	43.6°	51.5	-147.43	903	134.3°	11 23.9	195.72	20.0	9.2	-17.23	1059	43.6°	51.7	-147.34
13 20.9	208.23	0.	0.	0.	996	39.9°	60.1	-164.79	817	140.0°	13 19.1	224.85	0.	0.	0.	936	39.9°	60.5	-164.68
15 16.1	237.37	-20.0	-9.0	17.27	910	43.7°	-46.8	148.61	759	136.2°	15 14.2	253.98	-20.0	-8.8	17.32	897	43.7°	-46.2	148.76
17 11.2	266.50	-30.0	-13.8	28.58	863	49.5°	-42.3	137.24	737	130.5°	17 9.4	283.11	-30.0	-13.5	28.65	812	49.5°	-41.7	137.39
19 6.4	295.64	-35.0	-16.4	35.93	839	54.1°	-39.8	129.65	731	125.9°	19 4.5	312.23	-35.0	-16.1	36.01	789	54.1°	-39.2	130.01
21 1.6	324.77	-40.0	-19.4	45.59	813	60.8°	-36.9	120.16	730	119.2°	20 59.7	341.36	-40.0	-19.0	45.69	767	60.8°	-36.3	120.32
22 56.8	353.91	-45.0	-23.4	60.45	782	72.5°	-33.1	104.78	735	107.5°	22 54.8	370.49	-45.0	-22.9	61.07	743	72.5°	-32.5	104.93
		-47.4	-28.2	82.83	753	90.0°	-28.2	82.88	753	90.0°			-47.4	-27.7	82.97	724	90.0°	-27.7	83.02
MAY 26, 1963																			
0 51.9	73.04	47.4	30.7	-82.19	1090	90.0°	30.8	-82.25	1090	90.0°	0 50.0	39.62	47.4	30.6	-82.24	1117	90.0°	30.6	-82.29
2 47.1	52.17	45.0	25.2	-60.49	1106	72.4°	36.3	-103.96	1058	107.6°	2 45.1	68.75	45.0	25.0	-60.34	1119	72.4°	36.2	-103.98
4 42.3	31.31	40.0	20.7	-45.27	1107	60.7°	40.7	-119.21	1023	119.3°	4 40.3	97.88	40.0	20.5	-45.32	1107	60.7°	40.7	-119.21
6 37.4	110.44	35.0	17.3	-35.69	1100	54.0°	43.9	-128.82	994	126.0°	6 35.6	127.01	35.0	17.1	-35.75	1091	54.0°	44.0	-128.80
8 32.5	139.58	30.0	14.5	-26.41	1090	49.4°	46.7	-136.13	966	130.6°	8 30.6	156.14	30.0	14.3	-26.46	1072	49.4°	46.8	-136.10
10 27.6	168.71	20.0	9.3	-17.20	1062	43.6°	51.5	-147.41	914	134.3°	10 25.7	185.27	20.0	9.2	-17.24	1051	43.6°	51.8	-147.35
12 22.9	197.84	0.	0.	0.	988	39.9°	60.2	-164.74	825	140.0°	12 20.9	214.39	0.	0.	0.	938	39.9°	60.6	-164.64
14 18.1	226.98	-20.0	-9.0	17.28	898	43.7°	-46.8	148.65	759	136.2°	14 16.2	243.52	-20.0	-8.8	17.33	844	43.8	-46.1	148.79
16 13.3	256.11	-30.0	-13.7	28.59	851	49.5°	-42.1	137.28	738	130.5°	16 11.2	272.65	-30.0	-13.4	28.67	799	49.5°	-41.6	137.42
18 8.5	285.24	-35.0	-16.3	35.95	827	54.1°	-39.6	129.69	731	125.9°	18 6.3	301.78	-35.0	-16.0	36.04	778	54.1°	-39.0	130.04
20 3.6	314.38	-40.0	-19.3	45.61	802	60.8°	-36.8	120.20	727	119.2°	20 1.5	330.91	-40.0	-18.9	45.72	757	60.8°	-36.2	120.35
21 58.8	343.51	-45.0	-23.3	60.98	772	72.5°	-32.9	104.82	730	107.5°	21 58.6	360.03	-45.0	-22.8	61.09	734	72.5°	-32.3	104.96
23 54.0	372.64	-47.4	-28.1	82.87	745	90.0°	-28.1	82.92	745	90.0°	23 51.8	389.16	-47.4	-27.6	83.00	719	90.0°	-27.6	83.05
MAY 27, 1963																			
1 49.1	41.78	47.4	30.7	-82.20	1098	90.0°	30.7	-82.25	1098	90.0°	1 48.9	56.29	47.4	30.5	-82.25	1122	90.0°	30.5	-82.30
3 44.3	70.91	45.0	25.1	-60.50	1111	72.4°	36.3	-103.96	1063	107.6°	3 42.1	87.42	45.0	24.9	-60.36	1120	72.4°	36.1	-104.00
5 39.5	100.04	40.0	20.6	-45.28	1108	60.7°	40.7	-119.21	1036	119.3°	5 37.2	116.54	40.0	20.4	-45.34	1104	60.7°	40.6	-119.22
7 34.6	129.18	35.0	17.3	-35.71	1099	54.0°	43.9	-128.81	1009	126.0°	7 32.3	145.67	35.0	17.1	-35.77	1085	54.0°	43.9	-128.81
9 29.8	158.31	30.0	14.4	-26.42	1087	49.4°	46.7	-136.12	979	130.6°	9 27.5	174.80	30.0	14.2	-26.46	1065	49.4°	46.8	-136.10
11 24.9	187.44	20.0	9.3	-17.21	1059	43.6°	51.6	-147.34	927	134.3°	11 22.6	203.93	20.0	9.1	-17.25	1020	43.7°	51.8	-147.35
13 20.1	216.57	0.	0.	0.	975	39.9°	60.5	-164.73	835	140.0°	13 17.8	233.05	0.	0.	0.	924	39.9°	60.7	-164.64
15 15.3	245.70	-20.0	-8.9	17.29	884	43.7°	-46.5	148.69	764	136.2°	15 12.9	262.18	-20.0	-8.7	17.34	830	43.8	-46.0	148.82
17 10.4	274.83	-30.0	-13.7	28.61	837	49.5°	-42.0	137.32	739	130.5°	17 8.1	291.31	-30.0	-13.4	28.69	786	49.5°	-41.4	137.46
19 5.5	303.97	-35.0	-16.2	35.97	813	54.1°	-39.5	129.93	731	125.9°	19 3.2	320.43	-35.0	-15.9	36.06	766	54.1°	-38.9	130.08
21 0.8	333.10	-40.0	-19.2	45.64	789	60.8°	-36.8	120.24	725	119.2°	20 58.3	349.56	-40.0	-18.8	45.74	746	60.8°	-36.0	120.39
22 55.9	362.23	-45.0	-23.1	61.01	762	72.5°	-32.8	104.86	725	107.5°	22 53.5	378.69	-45.0	-22.7	61.13	726	72.5°	-32.2	105.00
		-47.4	-28.0	82.90	737	90.0°	-28.0	82.95	737	90.0°			-47.4	-27.4	83.04	713	90.0°	-27.4	83.09
MAY 28, 1963																			
0 53.1	31.36	47.4	30.7	-82.21	1105	90.0°	30.7	-82.26	1105	90.0°	0 48.6	47.81	47.4	30.4	-82.27	1126	90.0°	30.5	-82.32
2 48.2	60.50	45.0	25.1	-60.51	1118	72.4°	36.3	-103.97	1079	107.6°	2 43.8	76.94	45.0	24.8	-60.38	1119	72.4°	36.1	-104.01
4 43.4	89.63	40.0	20.6	-45.29	1109	60.7°	40.7	-119.21	1052	119.3°	4 38.9	106.07	40.0	20.3	-45.36	1100	60.7°	40.6	-119.24
6 38.5	118.76	35.0	17.2	-35.72	1099	54.0°	43.9	-128.80	1025	126.0°	6 33.0	135.19	35.0	17.0	-35.78	1080	54.0°	43.9	-128.81
8 33.6	147.89	30.0	14.4	-26.43	1088	49.4°	46.7	-136.11	992	130.6°	8 27.2	164.32	30.0	14.1	-26.49	1057	49.4	46.8	-136.11
10 28.7	177.02	20.0	9.2	-17.22	1058	43.6°	51.7	-147.37	940	134.3°	10 26.3	193.45	20.0	9.1	-17.26	1010	43.7°	51.8	-147.34
12 23.8	206.15	0.	0.	0.	963	39.9°	60.5	-164.71	845	140.0°	12 19.5	222.57	0.	0.	0.	911	39.9	60.6	-164.63
14 18.9	235.28	-20.0	-8.9	17.30	871	43.7°	-46.4	148.72	769	136.2°	14 14.6	251.70	-20.0	-8.7	17.35	817	43.8	-45.9	148.84
16 14.0	264.41	-30.0	-13.6	28.63	824	49.5°	-41.8	137.35	742	130.5°	16 9.7	280.82	-30.0	-13.3	28.70	774	49.5°	-41.3	137.48
18 9.1	293.54	-35.0	-16.2	35.99	802	54.1°	-39.3	129.97	732	125.9°	18 3.8	309.95	-35.0	-15.8	36.08	755	54.1°	-38.8	130.11
20 4.2	322.67	-40.0	-19.1	45.66	778	60.8°	-36.5	120.28	728	119.2°	20 0.0	339.08	-40.0	-18.7	45.77	736	60.8°	-35.9	120.42
21 59.3	351.80	-45.0	-23.0	61.03	752	72.5°	-32.6	104											