

PROJECT 10073 RECORD CARD

1. DATE 19 June 1963		2. LOCATION 42.20 N 172.00W (pacific)		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon	
3. DATE-TIME GROUP Local _____ GMT 19/1435Z		4. TYPE OF OBSERVATION ☐ Ground-Visual ☐ Ground-Radar ☒ Air-Visual ☐ Air-Intercept Radar		☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft	
5. PHOTOS ☐ Yes ☒ No		6. SOURCE military		☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical	
7. LENGTH OF OBSERVATION 3 min		8. NUMBER OF OBJECTS one		9. COURSE East	
10. BRIEF SUMMARY OF SIGHTING Silver object about 21 deg above horizon observed for 3 minutes. Moving at high speed in West to East flight.		11. COMMENTS Description did not indicate features of a/c, however the duration of the sighting is consistent with a/c analysis. Object was carried a/c by the Navy monitoring this sector. Case considered as insufficient data. <u>ECHO NOT RULED OUT</u> HEADING SE AT 400N 202°W AT 19/1437Z.			
12. CONCLUSIONS ☒ Insufficient Data for Evaluation ☐ Unknown					

19/14352

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

Find

PAGE 1 of 2

AF IN : 5692 (19 Jun 63) G/ef
INFO : NIN-9, XOP-1, XOPX-4, SAF-OS-3, DIA-25, DIA/CIIC-2,
JCS-35, ARMY-2, CMC-8, OSD-15, CIA-11, NSA-7 (123)

INCOMING

01

SMB A199

CZCHQA160ZCECB289

..... YY RUEAHQ

DE RUHPF B044

ZNR

Y 191513Z

FM COMBARPAC

TO RUKACR/COMALSEAFRON

RUKDAG/COMALAIRCOM

RUHLKM/CINCPACAF

ZEN/C INCNORAD

INFO RUECW/CNO

RUEAHQ/C OFS USAF

RUYPAC/CINCPAC

RUHPB/CINCPACFLT

RUHAFS/CINCUSARPAC

RUHLKMP/PACAFBASECOM HICKAM

RUECW/SECNAV

RUHPHH/COMHAWSEAFRON

RUUAUAAH/HADD KUNIA

NAVY GRNC

BT

UNCLAS.

13.49

322.54

1437

119.87

40°N

SE →

202°W

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

AF IN : 5692 (19 Jun 63)

2 of 2

A. JANAP 146D

1. CIRVIS

2. N143215

3. UFO

A. ONE

B. SILVER GBJECT ABOUT 21 DEGREES ABOVE HORIZON.

LOST IN THREE MINUTES

4. 4220N 17200W

5. 191435Z

6. UNKNOWN

7. WEST TO EAST

8. HIGH SPEED

9. NONE

BT

19/1514Z

NOTE : Advance copies del to NIN, XOPX & DIA.

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

AF IN : 5704 (19 Jun 63) NIN COMING

INFO : NIN-9, XOP-1, XOPX-4, SAF-OS-3, ARMY-2, NAVY-2, CMC-8,
SMB B164 JCS-35, OSD-15, DIA-11, NSA-7, DIA-25, DIA/CIIC-2

ZCHQA163ZCECB299

(128)

***** YY RUEAHQ

DE RUHPF B046

ZNRR

Y 191537Z

FM KOMBARPAC

TO RUKACR/COMALSEAFRON

RUKDAG/COMALAIRCOM

RUHLKM/CINCPARAF

ZEN/CINCNORAD

INFO RUECW/CNO

RUEAHQ/COFS USAF

RUHPA/CINCPAK

RUHPB/CINCPACFLT

RUHWFS/CINCUSARPAC

RUHLKMP/PACAFBASECOH HICKAM

RUECW/SECNAV

RUMPHH/COMHAWUEAFRON

RUAUAH/HADD KUNIAO

NAVY GRNC

BT

UNCLAS.

A. JANAP 146D

1. CIRVIS EVALUATION MX 191513Z.

UNIDENTIFIED

BT NOTE : Advance copies del to NIN, DIA & XOPX.

SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES											
EQUATOR S-N		LAT.	SOUTH-NORTH				NORTH-SOUTH				
TIME (UT)	LONG. (M)		TIME CORR.	LONG. CORR.	HT. (MI)	BEAR. (N-E)	TIME CORR.	LONG. CORR.	HT. (MI)	BEAR. (N-E)	
JUNE 16, 1963											
1	27.1	121.92	47.4	28.7	-82.72	1088	90.0°	28.7	-82.74	1088	90.0°
2	27.2	151.03	45.0	29.2	-80.86	1026	72.3°	29.2	-80.98	1135	107.7°
3	27.3	180.14	40.0	29.9	-45.85	969	60.7°	29.9	-45.73	1158	119.4°
4	27.4	209.24	35.0	30.7	-36.05	925	54.0°	30.7	-36.26	1166	126.1°
5	27.5	238.35	30.0	31.1	-28.73	887	49.4°	31.1	-28.51	1167	130.7°
6	27.6	267.46	20.0	31.4	-17.42	820	43.7°	31.4	-17.65	1153	136.5°
7	27.7	296.56	0.	31.7	0.	720	40.0°	31.7	-16.75	1083	140.2°
8	27.8	325.67	-20.0	32.0	17.49	664	43.8°	32.0	17.94	974	136.4°
9	27.9	354.78	-30.0	32.3	28.89	656	49.5°	32.3	29.68	909	130.6°
10	28.0	383.88	-35.0	32.6	36.28	658	54.1°	32.6	37.35	872	126.0°
11	28.1	412.99	-40.0	32.9	45.98	666	60.8°	32.9	46.72	832	119.3°
12	28.2	442.09	-45.0	33.2	51.32	688	72.4°	33.2	52.43	782	107.6°
13	28.3	471.19	-47.4	33.5	83.37	728	90.0°	33.5	83.41	728	90.0°
JUNE 17, 1963											
1	27.8	111.20	47.4	28.5	-82.76	1078	90.0°	28.5	-82.80	1078	90.0°
2	27.9	140.31	45.0	29.0	-80.90	1013	72.3°	29.0	-80.92	1129	107.7°
3	28.0	169.41	40.0	29.7	-45.68	955	60.7°	29.7	-45.77	1156	119.4°
4	28.1	198.52	35.0	30.5	-36.07	910	54.0°	30.5	-36.27	1167	126.1°
5	28.2	227.62	30.0	31.0	-28.74	871	49.4°	31.0	-28.55	1170	130.7°
6	28.3	256.73	20.0	31.3	-17.43	805	43.7°	31.3	-17.70	1159	136.5°
7	28.4	285.84	0.	31.6	0.	708	40.0°	31.6	-16.78	1095	140.2°
8	28.5	314.94	-20.0	31.9	17.50	658	43.8°	31.9	17.92	969	136.4°
9	28.6	344.05	-30.0	32.2	28.90	652	49.5°	32.2	29.67	923	130.6°
10	28.7	373.15	-35.0	32.5	36.29	657	54.1°	32.5	37.34	886	126.0°
11	28.8	402.26	-40.0	32.8	45.99	667	60.8°	32.8	46.71	845	119.3°
12	28.9	431.36	-45.0	33.1	51.33	692	72.4°	33.1	52.44	793	107.6°
13	29.0	460.47	-47.4	33.4	83.38	736	90.0°	33.4	83.42	736	90.0°
JUNE 18, 1963											
1	23.5	129.57	47.4	28.4	-82.81	1067	90.0°	28.4	-82.84	1067	90.0°
2	23.6	158.67	45.0	28.9	-80.93	999	72.3°	28.9	-80.98	1122	107.7°
3	23.7	187.78	40.0	29.6	-45.71	939	60.7°	29.6	-45.82	1152	119.4°
4	23.8	216.88	35.0	30.4	-36.10	894	54.0°	30.4	-36.29	1166	126.1°
5	23.9	245.99	30.0	30.9	-28.76	855	49.4°	30.9	-28.56	1172	130.7°
6	24.0	275.09	20.0	31.2	-17.44	790	43.7°	31.2	-17.71	1166	136.5°
7	24.1	304.20	0.	31.5	0.	696	40.0°	31.5	-16.82	1108	140.2°
8	24.2	333.30	-20.0	31.8	17.51	651	43.8°	31.8	17.93	1005	136.4°
9	24.3	362.40	-30.0	32.1	28.91	650	49.5°	32.1	29.69	939	130.6°
10	24.4	391.51	-35.0	32.4	36.30	656	54.1°	32.4	37.36	901	126.0°
11	24.5	420.61	-40.0	32.7	45.99	669	60.8°	32.7	46.73	859	119.3°
12	24.6	449.71	-45.0	33.0	51.34	697	72.4°	33.0	52.45	805	107.6°
13	24.7	478.82	-47.4	33.3	83.38	745	90.0°	33.3	83.42	745	90.0°
JUNE 19, 1963											
1	24.0	119.82	47.4	28.2	-82.85	1055	90.0°	28.2	-82.88	1056	90.0°
2	24.1	148.92	45.0	28.7	-80.97	985	72.3°	28.7	-81.02	1114	107.7°
3	24.2	178.02	40.0	29.4	-45.74	924	60.7°	29.4	-45.87	1146	119.4°
4	24.3	207.13	35.0	30.2	-36.12	878	54.0°	30.2	-36.31	1165	126.1°
5	24.4	236.23	30.0	30.7	-28.78	840	49.4°	30.7	-28.58	1173	130.7°
6	24.5	265.33	20.0	31.0	-17.45	775	43.8°	31.0	-17.72	1171	136.5°
7	24.6	294.44	0.	31.3	0.	686	40.0°	31.3	-16.84	1120	140.2°
8	24.7	323.54	-20.0	31.6	17.51	646	43.8°	31.6	17.94	1019	136.4°
9	24.8	352.64	-30.0	31.9	28.92	648	49.5°	31.9	29.70	954	130.6°
10	24.9	381.74	-35.0	32.2	36.31	657	54.1°	32.2	37.37	916	126.0°
11	25.0	410.85	-40.0	32.5	45.99	672	60.8°	32.5	46.74	873	119.3°
12	25.1	439.95	-45.0	32.8	51.35	702	72.4°	32.8	52.46	817	107.6°
13	25.2	469.05	-47.4	33.1	83.38	754	90.0°	33.1	83.42	754	90.0°

EQUATOR S-N		SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES								
TIME UT	LONG. (M)	LAT.	TIME CORR.	SOUTH-NORTH LONG. CORR.	HT. (MI)	BEAR. (N-E)	TIME CORR.	NORTH-SOUTH LONG. CORR.	HT. (MI)	BEAR. (N-E)
JUNE 20, 1963										
1 19.6	137.15	47.4	29.0	-82.89	1042	90.0°	28.0	-82.93	1042	90.0°
3 19.6	166.25	45.0	22.6	-81.00	969	72.3°	33.6	-104.77	1104	107.7°
5 19.6	195.36	40.0	18.4	-45.77	907	60.7°	38.1	-119.93	1142	119.4°
7 4.7	224.46	35.0	15.4	-36.15	861	54.0°	41.5	-129.46	1162	126.1°
8 99.7	253.56	30.0	17.8	-28.80	823	49.4°	44.3	-136.71	1172	130.7°
10 54.8	282.66	20.0	8.2	-17.47	760	43.8°	49.9	-147.85	1176	136.5°
12 49.8	311.76	0.	0.	0.	675	40.0°	59.6	-168.91	1132	140.2°
14 46.8	340.86	-20.0	-8.0	17.52	641	43.8°	-46.0	148.84	1036	136.4°
16 39.9	9.96	-30.0	-12.3	28.93	647	49.5°	-40.9	137.61	970	130.6°
18 34.9	39.06	-35.0	-14.7	36.32	658	54.1°	-38.2	130.30	932	126.0°
20 29.9	68.17	-40.0	-17.5	46.01	676	60.8°	-35.1	120.69	896	119.3°
22 26.0	97.27	-45.0	-21.3	61.35	710	72.4°	-31.0	105.42	831	107.7°
		-47.4	-26.1	83.38	765	90.0°	-26.1	83.42	765	90.0°
JUNE 21, 1963										
0 20.0	126.37	47.4	27.9	-82.93	1029	90.0°	27.9	-82.97	1029	90.0°
2 19.0	155.47	45.0	22.4	-81.04	954	72.3°	33.4	-104.82	1095	107.7°
4 10.1	184.57	40.0	18.3	-45.80	891	60.7°	37.9	-119.98	1136	119.4°
6 5.1	213.67	35.0	15.3	-36.17	846	54.0°	41.3	-129.51	1158	126.1°
8 0.1	242.77	30.0	12.7	-28.82	808	49.4°	44.3	-136.76	1171	130.7°
9 98.2	271.87	20.0	8.1	-17.48	746	43.8°	49.7	-147.90	1179	136.5°
11 50.2	300.97	0.	0.	0.	665	40.0°	59.5	-168.96	1143	140.2°
13 44.2	330.07	-20.0	-7.9	17.52	638	43.8°	-46.1	148.81	1050	136.4°
15 40.3	359.17	-30.0	-12.2	28.93	647	49.5°	-41.0	137.59	986	130.6°
17 35.3	28.27	-35.0	-14.7	36.33	660	54.1°	-38.3	130.28	948	126.0°
19 30.3	57.37	-40.0	-17.4	46.02	670	60.8°	-35.2	120.67	903	119.3°
21 25.3	86.47	-45.0	-21.2	61.35	717	72.4°	-31.1	105.41	844	107.7°
23 20.4	115.57	-47.4	-26.1	83.38	775	90.0°	-26.1	83.42	775	90.0°
JUNE 22, 1963										
1 15.4	144.67	47.4	27.7	-82.98	1014	90.0°	27.7	-83.01	1015	90.0°
3 10.4	173.77	45.0	22.3	-81.07	937	72.3°	33.2	-104.87	1083	107.7°
5 5.5	202.86	40.0	18.2	-45.82	874	60.7°	37.7	-120.03	1128	119.4°
7 0.5	231.96	35.0	15.2	-36.19	829	54.0°	41.1	-129.57	1153	126.1°
8 59.5	261.06	30.0	12.6	-28.84	791	49.4°	44.1	-136.82	1169	130.7°
10 50.5	290.16	20.0	8.1	-17.49	731	43.8°	49.4	-147.96	1182	136.5°
12 45.6	319.26	0.	0.	0.	655	40.0°	59.3	-168.91	1154	140.2°
14 40.6	348.36	-20.0	-7.9	17.53	635	43.8°	-46.2	148.77	1064	136.4°
16 35.6	17.44	-30.0	-12.2	28.94	648	49.5°	-41.2	137.56	1003	130.6°
18 30.6	46.54	-35.0	-14.6	36.33	663	54.1°	-38.4	130.26	964	126.0°
20 25.7	75.65	-40.0	-17.4	46.02	686	60.8°	-35.3	120.65	919	119.3°
22 20.7	104.75	-45.0	-21.2	61.36	726	72.4°	-31.1	105.40	859	107.7°
		-47.4	-26.1	83.38	789	90.0°	-26.1	83.41	789	90.0°

MODIFIED ORBITAL ELEMENTS FOR EARTH SATELLITE 1960 IOTA 1

REFERENCE TIME 1963 Y 6 M 8 D 1 M 17.66 M UT
 INCLINATION 47.24 DEG.
 ASCENDING NODE (LONG.) 85.26 DEG. WEST
 PRIME SWEEP INTERVAL ONE DAY -16.93 MIN.
 ARGUMENT OF PERIGEE 288.04 DEG.
 RATE OF CHANGE 0.27092 DEG. PER PERIOD
 ANOMALISTIC PERIOD 115.167 MIN.
 RATE OF CHANGE -0.00046 MIN. PER PERIOD
 ECCENTRICITY 0.04747
 RADIUS OF PERIGEE 4641.1 MILES
 RADIUS OF APOGEE 5103.7 MILES
 RATE OF CHANGE -0.32 MILES PER DAY
 ASCENDING NODE (R.A.) 189.69 DEG.
 RATE OF CHANGE -3.29820 DEG. PER DAY
 LATITUDE OF PERIGEE -44.27 DEG.
 HEAD-IN EXPECTED MAG. +1