

PROJECT 10073 RECORD CARD

1. DATE 17 June 1963		2. LOCATION 36.25N 155.52E (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 17/1638Z		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☒ No		6. SOURCE military			
7. LENGTH OF OBSERVATION not reported		8. NUMBER OF OBJECTS one		9. COURSE SE	
10. BRIEF SUMMARY OF SIGHTING Spherical white object generating intense light traveling at high speed, no tail or sound, in flight from 85 deg elevation 280 deg azimuth to 00 deg elevation 160 deg azimuth Flat trajectory. Appeared to travel in straight line. Moon visible at time. Object did not conform to known meteorological events according to observer. <i>HOWEVER INTENSE ILLUMINATION TENDS TO RULE OUT ECHO</i>				11. COMMENTS Duration not reported. Possibly light from A/C, however data inconclusive to establish this. Description could indicate meteor however object was in flight and disappeared over the horizon and did not exhibit tail or burning. Most probable cause of sighting is Satellite ECHO I which was heading SE at the time of the report. Without duration or added information evaluation not complete and case carried as insufficient Data.	

17/16382

Antony

01

NAVAL MESSAGE

UNCLASSIFIED

NAVY DEPARTMENT

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

AF IN : 3214 (18 Jun 63) B/doc

P 172040Z
FM USS HALSEY POWELL

AF DIST: NIN-9, XOP-1, XOPX-4, SAF-OS-3

-17-

TO CINCPACFLT

INFO CNO
CTF THREE SIX

U N C L A S

UFO OPNAVINST 3820.9 ENCL 1

1. A. SPHERICAL
B. BASEBALL AT ARMS LENGTH
C. WHITE
D. ONE SIGHTED
F. GENERATED A VERY INTENSE LIGHT
G. NO TAIL OR TRAIL
H. NO SOUND
I. TRAVELING AT HIGH SPEED
2. A. INTENSITY OF ILLUMINATION
B. ALT 85 DEG AZ 280 DEG TRUE
C. LOST ALT 00 DEG, AZ 160 DEG TRUE
D. FLAT TRAJECTORY APPEARED TO TRAVEL IN STRAIGHT LINE
4. A. 171638Z
B. NIGHT
5. 36-25N, 155-52E

92....COG
SECNAV..UNSECNAV..ASTSECNAV(R&D)..00..09..09B..09D..09M..03..33..
34..35..05..06..07..72..76..94..IP..NAVAIDE..FLAGPLOT..BFR..CMC..
JCS..CSA..CSAF..CIA..NIC..COGARD..

COMM. NO.	CIRCUIT NO.	PAGE	OF	PAGES	TIME OF RECEIPT	DATE TIME GROUP
57761/SI/EN/5	B 018	1		2	0024Z 18 JUN	172040Z JUN 63

UNCLASSIFIED

NAVAL MESSAGE

UNCLASSIFIED

NAVY DEPARTMENT

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

6. ALL MILITARY ENS K. D. FISHER, USNR, OOD, GOOD R. W. STEWART, BM3, USN, FAIR J. K. VARLAMOS, SN, USN, FAIR

7. VISIBILITY GOOD, ABT 10 MILES 0.1 CLOUD COVERAGE. CLOUDS ON HORIZON.

10. NO AIR TRAFFIC

11. MOON WAS VISIBLE AT TIME. DOES NOT CORRESPOND WITH ANY OTHER METEOROLOGICAL EVENTS

AF NOTE: ADVANCE COPY DELIVERED TO NIN.

CONTROL NO.	CIRCUIT NO.	PAGE	OF	PAGES	TIME OF RECEIPT	DATE TIME GROUP
57761		2		2		172040Z JUN 63

UNCLASSIFIED

EQUATOR S-N			SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES							
TIME (UT)	LONG. (W)	LAT.	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	26.7	-82.72	1088	90.0°	28.7	-82.74	1088	90.0°
3 22.2	151.03	45.0	23.2	-80.88	1026	72.3°	34.3	-104.58	1135	107.7°
5 17.2	180.14	40.0	18.9	-45.65	969	60.7°	38.9	-119.73	1150	119.4°
7 12.3	209.24	35.0	15.7	-36.05	925	54.0°	42.3	-129.26	1166	126.1°
9 7.3	238.35	30.0	13.1	-28.73	887	49.4°	45.3	-136.51	1167	130.7°
11 2.4	267.46	20.0	8.4	-17.42	820	43.7°	50.7	-147.63	1153	136.5°
17 57.4	296.56	0.	0.	0.	720	40.0°	60.3	-164.75	1083	140.2°
14 52.5	325.67	-20.0	-8.1	17.49	664	43.8°	-45.6	148.94	974	136.4°
16 47.6	354.78	-30.0	-12.4	28.89	656	49.5°	-40.7	137.68	909	130.5°
18 42.6	383.88	-35.0	-14.8	36.28	658	54.1°	-38.0	130.35	872	126.0°
20 37.7	412.99	-40.0	-17.6	45.00	666	60.8°	-35.0	120.72	832	119.3°
22 32.7	442.09	-45.0	-21.4	51.32	688	72.4°	-31.0	105.43	782	107.6°
		-47.4	-26.1	63.37	728	90.0°	-26.1	83.41	728	90.0°

JUNE 17, 1963											
0	27.8	111.20	47.4	28.5	-82.76	1078	90.0°	23.5	-82.80	1078	90.0°
2	22.8	140.31	45.0	23.0	-80.90	1013	72.3°	34.2	-104.63	1129	107.7°
4	17.9	169.41	40.0	18.8	-45.68	955	60.7°	38.7	-119.77	1156	119.4°
6	12.9	198.52	35.0	15.7	-36.07	910	54.0°	42.2	-129.30	1167	126.1°
8	8.0	227.62	30.0	13.0	-28.74	871	49.4°	45.1	-136.55	1170	130.7°
10	3.1	256.73	20.0	8.3	-17.43	805	43.7°	50.5	-147.70	1159	136.5°
11	58.1	285.84	0.	0.	0.	708	40.0°	60.1	-164.78	1095	140.2°
13	53.2	314.94	-20.0	-8.0	17.50	658	43.8°	-45.6	148.92	989	136.4°
15	48.2	344.05	-30.0	-12.4	28.90	652	49.5°	-40.7	137.67	923	130.6°
17	43.3	373.15	-35.0	-14.8	36.29	657	54.1°	-38.0	130.34	884	126.0°
19	38.3	402.26	-40.0	-17.6	45.99	667	60.8°	-35.0	120.71	845	119.3°
21	33.4	431.36	-45.0	-21.3	51.33	692	72.4°	-31.0	105.43	793	107.6°
23	28.4	460.47	-47.4	-26.1	63.38	736	90.0°	-26.1	83.41	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°
3	18.5	158.67	45.0	22.9	-80.93	999	72.3°	34.0	-104.68	1122	107.7°
5	13.6	187.78	40.0	18.6	-45.71	939	60.7°	38.5	-119.82	1152	119.4°
7	8.6	216.89	35.0	15.6	-36.10	894	54.0°	41.9	-129.35	1166	126.1°
9	3.7	245.99	30.0	12.9	-28.76	855	49.4°	44.9	-136.60	1172	130.7°
10	58.7	275.09	20.0	8.3	-17.44	790	43.7°	50.3	-147.75	1166	136.5°
12	53.8	304.20	0.	0.	0.	696	40.0°	60.0	-164.82	1108	140.2°
14	48.8	333.30	-20.0	-8.0	17.51	651	43.8°	-45.7	148.90	1005	136.4°
16	43.8	362.40	-30.0	-12.3	28.91	650	49.5°	-40.8	137.65	939	130.6°
18	38.9	391.51	-35.0	-14.7	36.30	656	54.1°	-38.1	130.33	901	126.0°
20	33.9	420.61	-40.0	-17.5	46.00	669	60.8°	-35.0	120.71	859	119.3°
22	29.0	449.71	-45.0	-21.3	51.34	697	72.4°	-31.0	105.43	805	107.6°
			-47.4	-26.1	63.38	745	90.0°	-26.1	83.42	745	90.0°

JUNE 19, 1963											
0	24.0	118.62	47.4	28.2	-82.85	1055	90.0°	28.2	-82.88	1056	90.0°
2	19.1	147.72	45.0	22.8	-80.97	985	72.3°	33.8	-104.72	1114	107.7°
4	14.1	176.82	40.0	18.5	-45.74	924	60.7°	38.3	-119.87	1148	119.4°
6	9.2	206.13	35.0	15.5	-36.12	878	54.0°	41.8	-129.40	1165	126.1°
8	4.2	235.23	30.0	12.8	-28.78	840	49.4°	44.7	-136.65	1173	130.7°
9	59.2	264.33	20.0	8.2	-17.45	775	43.8°	50.1	-147.79	1171	136.5°
11	54.3	293.43	0.	0.	0.	686	40.0°	59.8	-164.86	1120	140.2°
13	49.3	322.53	-20.0	-8.0	17.51	646	43.8°	-45.8	148.87	1019	136.4°
15	44.4	351.63	-30.0	-12.3	28.92	648	49.5°	-40.9	137.63	954	130.6°
17	39.4	380.73	-35.0	-14.7	36.31	657	54.1°	-38.1	130.32	916	126.0°
19	34.4	409.83	-40.0	-17.5	46.00	672	60.8°	-35.1	120.70	873	119.3°
21	29.5	438.93	-45.0	-21.3	51.35	702	72.4°	-31.0	105.42	817	107.6°
23	24.5	468.03	-47.4	-26.1	63.38	754	90.0°	-26.1	83.42	754	90.0°

EQUATOR S-N		SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES									
TIME (UT)	LONG. (W)	LAT.	TIME CORR.	LONG. CORR.	HT. (MI)	BEAR. (N-E)	TIME CORR.	LONG. CORR.	HT. (MI)	BEAR. (N-E)	
JUNE 20, 1963											
1 19.6	137.15	47.4	28.0	-82.93	1042	90.0°	28.0	-82.93	1042	90.0°	
3 14.6	166.25	45.0	23.6	-81.00	979	72.3°	33.6	-104.77	1104	107.7°	
5 9.6	195.36	40.0	18.4	-83.77	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 59.7	253.56	30.0	12.8	-28.80	823	49.4°	44.5	-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	-164.91	1132	140.2°	
14 44.8	340.86	-20.0	-8.0	17.52	641	43.8°	-46.0	148.84	1036	136.4°	
16 39.9	369.96	-30.0	-12.3	28.93	647	49.5°	-40.9	137.61	970	130.6°	
18 34.9	399.06	-35.0	-14.7	36.32	658	54.1°	-38.2	130.30	932	126.0°	
20 29.9	428.17	-40.0	-17.5	46.01	676	60.8°	-35.1	120.69	888	119.3°	
22 25.0	457.27	-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	126.27	47.4	27.9	-82.93	1029	90.0°	27.9	-82.97	1029	90.0°
2	15.0	155.47	45.0	22.5	-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	49.5°	44.3	-136.76	1171	130.7°
9	58.2	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	-164.96	1143	140.2°
13	45.2	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	388.27	-35.0	-14.7	36.33	660	54.1°	-38.3	130.28	948	126.0°
19	30.3	417.37	-40.0	-17.4	46.02	680	60.8°	-35.2	120.67	903	119.3°
21	25.3	446.47	-45.0	-21.2	51.35	717	72.4°	-31.1	105.41	844	107.7°
23	20.4	475.57	-47.4	-26.1	63.38	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	1081	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	49.5°	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	40.1°	59.3	-165.01	1154	140.2°
14	40.6	348.36	-20.0	-7.9	17.53	635	43.8°	-46.2	148.77	1066	136.4°
16	35.6	377.46	-30.0	-12.2	28.94	648	49.5°	-41.2	137.56	1003	130.6°
18	30.6	406.56	-35.0	-14.6	36.33	661	54.1°	-38.4	130.26	964	126.0°
20	25.7	435.66	-40.0	-17.4	46.02	686	60.8°	-35.3	120.65	919	119.3°
22	20.7	464.75	-45.0	-21.2	51.36	726	72.4°	-31.1	105.40	859	107.7°
			-47.4	-26.1	63.38	788	90.0°	-26.1	83.41	788	90.0°

MODIFIED ORBITAL ELEMENTS FOR EARTH SATELLITE 1960 IOTA 1

REFERENCE TIME 1963 Y 6 M 8 D 1 M 17.68 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 0.27099 DEG. PER PERIOD
 ANOMALISTIC PERIOD 115.187 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.) 159.69 DEG.
 RATE OF CHANGE -3.24020 DEG. PER DAY
 LATITUDE OF PERIGEE -44.27 DEG.
 READ-IN EXPECTED MAG. +1