

PROJECT 10073 RECORD CARD

1. DATE 25 June 1963	2. LOCATION Mount Vernon, New York		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 1000PM GMT 26/045-0100Z	4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar		
5. PHOTOS ☐ Yes ☒ No	6. SOURCE Civilian		
7. LENGTH OF OBSERVATION 5 minutes	8. NUMBER OF OBJECTS one	9. COURSE NE	
10. BRIEF SUMMARY OF SIGHTING Object believed to be ECHO in orbit in flight to NE across the big dipper. Thought to move too rapidly for a/c. In sight for 5 minutes.		11. COMMENTS Duration and description consistent with analysis as high flying a/c. ECHO in Souther Hemisphere at time. If witness on Daylight Saving Time ECHO was over the Pacific Ocean, Not visible in New York.	

DEPARTMENT OF THE AIR FORCE
OFFICE OF THE SECRETARY

MEMORANDUM

August 12, 1963

Dear Mr. [REDACTED]:

Your letter to the National Aeronautics and Space Administration has been forwarded to this office. The Air Force has determined that Echo was moving southeast at the time of the sighting. The object observed, then, was not Echo but could have been an aircraft.

Sincerely,

MASTON M. JACKS
Major, USAF
Public Information
Office of Information

HEADQUARTERS
FOREIGN TECHNOLOGY DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
WRIGHT-PATTERSON AIR FORCE BASE, OHIO



TDEW

1 August 1963

Request for UFO Information ~~SECRET~~ & ~~SECRET~~

Hq USAF SAF-OI 3b (Mrs. Wells)
Wash 25 DC

1. Reference the attached correspondence from ~~SECRET~~ and ~~SECRET~~ requesting information on unidentified flying objects. This correspondence is forwarded to your office for whatever action you deem necessary.
2. Anent ~~SECRET~~' letter, if the time of the sighting was Daylight Saving Time, the object was Echo; if not, there is insufficient data for evaluation.
3. Anent Mr. ~~SECRET~~ inquiry, Echo was moving southeast at the time of the sighting. The object observed, then, was not Echo but could have been an aircraft.

FOR THE COMMANDER

ERIC T. de JONCKHEERE
Colonel, USAF
Deputy for Technology and Subsystems

- 2 Atch
1. Ltr fm ~~SECRET~~,
postmarked 2 Jul 63.
2. Postcard fm ~~SECRET~~,
postmarked
27 Jun 63.

National Aeronautics and Space Administration

Gentlemen:

Last evening (25 June) my brother, his wife and I sighted and visually followed a rapidly moving star-like object in the heavens. The object moved in a southwest to northeast direction across the Big Dipper. We maintained visual contact for approximately five minutes from 9:45 to 10:00.

We believe it was an earth satellite circling the globe. Perhaps it was the balloon satellite ECHO. The object moved too rapidly at that distance to be any type aircraft.

Would you please give us some answers to the "mystery".

Sincerely yours,
~~SECRET~~

SMITHSONIAN ASTROPHYSICAL OBSERVATORY, CAMBRIDGE, MASSACHUSETTS

JUNE 19, 1963

SATELLITE 1960 IOTA 1, SCHE 1

These predictions are based on orbital elements revised on June 17, 1963

T₀ = June 18.0, times are in days, U.T.Argument of perigee = 322.404 + 3.4818 (t-T₀)Right ascension of ascending node = 156.883 - 3.3002 (t-T₀)

Eccentricity = 0.009678

Semi-major axis = 7.041343 megameters

Mean anomaly (Rev.) = 0.33111 + 12.502001 (t-T₀) + 1.225 × 10⁻⁴ (t-T₀)²

EQUATOR S-N				SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES							
TIME	LONG.	LAT.		SOUTH-NORTH				NORTH-SOUTH			
(UT)	(M)			TIME	LONG.	MT.	BEAR.	TIME	LONG.	MT.	BEAR.
				CORR.	CORR.	(MI)	(N-E)	CORR.	CORR.	(MI)	(N-E)
JUNE 22, 1963											
1 22.7	146.52	47.5	27.4	-82.95	1003	90.00	27.4	-83.00	1003	90.00	
3 17.4	175.64	45.0	22.4	-60.70	933	72.20	33.3	-105.01	1065	107.80	
5 12.9	234.75	40.0	15.3	-45.72	877	60.70	37.7	-120.11	1105	119.40	
7 8.0	233.87	35.0	13.3	-36.11	836	54.00	41.1	-125.63	1128	126.10	
9 3.0	262.08	30.0	12.1	-28.77	802	49.40	44.0	-136.88	1143	130.80	
10 58.1	292.10	20.0	9.2	-17.45	748	43.70	49.3	-148.01	1156	136.50	
12 53.2	321.21	0.	0.	0.	681	40.0	59.1	-165.06	1133	140.30	
14 48.3	350.33	-20.0	-0.0	17.48	565	43.6	-46.6	148.71	1057	136.40	
16 43.4	39.44	-30.0	-12.4	28.86	478	49.5	-41.5	137.51	1001	130.70	
18 38.5	48.56	-35.0	-14.3	36.23	422	54.00	-38.7	130.22	967	126.10	
20 33.6	57.67	-40.0	-17.6	45.89	374	60.70	-35.7	120.64	927	119.40	
22 28.7	106.79	-45.0	-21.5	61.14	350	72.20	-31.5	105.46	873	107.80	
		-47.5	-26.4	83.20	307	90.00	-26.4	83.34	808	90.00	

JUNE 23, 1963											
0 23.8	159.90	47.5	27.6	-82.98	989	90.00	27.6	-83.03	989	90.00	
2 18.9	165.02	45.0	22.3	-60.92	919	72.20	33.1	-105.05	1054	107.80	
4 13.0	194.33	40.0	15.2	-45.74	862	60.70	37.6	-120.15	1096	119.40	
6 9.0	223.25	35.0	13.2	-36.13	822	54.00	40.9	-129.68	1121	126.10	
8 5.1	252.36	30.0	12.7	-28.79	789	49.40	43.8	-136.93	1138	130.70	
9 59.2	281.48	20.0	9.1	-17.45	737	43.70	49.1	-148.06	1155	136.50	
11 54.3	310.59	0.	0.	0.	675	40.0	58.9	-165.11	1137	140.30	
13 49.4	339.70	-20.0	-0.0	17.49	565	43.6	-46.7	148.67	1069	136.40	
15 44.5	38.82	-30.0	-12.4	28.86	478	49.5	-41.6	137.48	1015	130.70	
17 39.6	47.93	-35.0	-14.3	36.23	422	54.00	-38.9	130.17	981	126.10	
19 34.7	57.05	-40.0	-17.6	45.89	374	60.70	-35.7	120.62	941	119.40	
21 29.7	106.16	-45.0	-21.5	61.14	350	72.20	-31.6	105.45	886	107.80	
23 24.8	175.28	-47.5	-26.4	83.20	307	90.00	-26.5	83.33	820	90.00	

JUNE 24, 1963											
1 19.9	144.33	47.5	27.5	-83.02	974	90.00	27.5	-83.07	974	90.00	
3 15.0	193.51	45.0	22.2	-60.95	903	72.20	32.9	-105.10	1041	107.80	
5 10.1	242.62	40.0	15.1	-45.76	847	60.70	37.4	-120.21	1084	119.40	
7 5.2	271.73	35.0	13.1	-36.14	807	54.00	40.7	-129.73	1113	126.10	
9 0.3	270.85	30.0	12.6	-28.80	776	49.40	43.6	-136.98	1132	130.70	
10 55.3	299.96	20.0	9.1	-17.46	726	43.70	48.7	-148.12	1153	136.50	
12 50.4	329.08	0.	0.	0.	670	40.0	58.4	-165.17	1146	140.30	
14 45.5	358.19	-20.0	-0.0	17.47	565	43.6	-46.9	148.67	1087	136.40	
16 40.6	39.30	-30.0	-12.4	28.86	477	49.5	-41.9	137.44	1029	130.70	
18 35.7	48.42	-35.0	-14.3	36.23	423	54.00	-39.0	130.16	996	126.10	
20 30.8	57.53	-40.0	-17.6	45.89	376	60.70	-35.8	120.59	957	119.40	
22 25.9	106.65	-45.0	-21.5	61.14	352	72.20	-31.7	105.42	902	107.80	
		-47.5	-26.5	83.27	334	90.00	-26.5	83.32	834	90.00	

JUNE 25, 1963											
0 20.9	153.76	47.5	27.4	-83.05	960	90.00	27.4	-83.10	960	90.00	
2 16.0	172.97	45.0	22.1	-60.98	889	72.20	32.8	-105.14	1028	107.80	
4 11.1	202.09	40.0	15.0	-45.78	833	60.70	37.2	-120.25	1074	119.40	
6 6.2	231.21	35.0	13.0	-36.16	794	54.00	40.5	-129.76	1104	126.10	
8 1.3	260.33	30.0	12.5	-28.82	763	49.40	43.4	-137.03	1125	130.70	
10 56.4	289.45	20.0	9.0	-17.47	716	43.70	48.2	-148.14	1150	136.50	
12 51.5	318.57	0.	0.	0.	669	40.0	58.3	-165.22	1150	140.30	
14 46.6	347.69	-20.0	-0.0	17.48	568	43.6	-47.1	148.59	1093	136.40	
16 41.7	38.80	-30.0	-12.4	28.87	482	49.5	-41.9	137.40	1042	130.70	
18 36.8	47.91	-35.0	-14.3	36.24	432	54.00	-39.1	130.12	1010	126.10	
20 31.9	57.02	-40.0	-17.6	45.90	383	60.70	-35.9	120.56	971	119.40	
22 27.0	106.13	-45.0	-21.5	61.15	355	72.20	-31.7	105.40	916	107.80	
		-47.5	-26.6	83.30	347	90.00	-26.6	83.35	867	90.00	

EQUATOR S-N				SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES							
TIME	LONG.	LAT.		SOUTH-NORTH				NORTH-SOUTH			
(UT)	(M)			TIME	LONG.	MT.	BEAR.	TIME	LONG.	MT.	BEAR.
				CORR.	CORR.	(MI)	(N-E)	CORR.	CORR.	(MI)	(N-E)
JUNE 26, 1963											
1 17.0	162.23	47.5	27.2	-83.09	944	90.00	27.2	-83.14	944	90.00	
3 12.1	191.35	45.0	22.0	-61.00	873	72.20	32.6	-105.18	1014	107.80	
5 7.2	220.46	40.0	19.0	-45.80	818	60.70	37.0	-120.30	1063	119.40	
7 2.3	249.57	35.0	15.0	-36.17	780	54.00	40.3	-129.84	1094	126.10	
8 57.4	278.69	30.0	12.5	-28.82	751	49.40	43.2	-137.09	1117	130.70	
10 52.4	307.80	20.0	9.0	-17.47	704	43.6	48.5	-148.23	1146	136.50	
12 47.5	336.91	0.	0.	0.	642	40.0	58.2	-165.28	1155	140.30	
14 42.6	36.03	-20.0	-0.0	17.49	571	43.6	-47.3	148.53	1104	136.40	
16 37.7	35.14	-30.0	-12.4	28.86	499	49.5	-42.1	137.36	1056	130.70	
18 32.8	44.25	-35.0	-14.3	36.23	450	54.00	-39.3	130.09	1025	126.10	
20 27.9	53.36	-40.0	-17.6	45.87	401	60.70	-36.1	120.53	987	119.40	
22 22.9	122.48	-45.0	-21.4	61.14	375	72.20	-31.9	105.37	932	107.80	
		-47.5	-26.6	83.23	361	90.00	-26.7	83.28	862	90.00	

JUNE 27, 1963											
0 18.0	191.59	47.5	27.1	-83.12	930	90.00	27.1	-83.17	930	90.00	
2 13.1	180.70	45.0	21.9	-61.03	858	72.20	32.5	-105.22	1000	107.80	
4 8.2	209.81	40.0	17.9	-45.82	804	60.70	36.8	-120.34	1051	119.40	
6 3.3	238.93	35.0	15.0	-36.19	768	54.00	40.1	-129.88	1084	126.10	
7 58.3	268.04	30.0	12.5	-28.83	739	49.40	43.0	-137.14	1109	130.70	
9 53.4	297.15	20.0	9.0	-17.48	698	43.6	48.2	-148.29	1142	136.50	
11 48.5	326.26	0.	0.	0.	659	40.0	58.0	-165.33	1158	140.30	
13 43.6	355.38	-20.0	-0.0	17.49	575	43.6	-47.5	148.48	1114	136.40	
15 38.7	24.49	-30.0	-12.4	28.86	705	49.40	-42.3	137.32	1069	130.70	
17 33.7	53.60	-35.0	-14.3	36.27	656	54.00	-39.4	130.05	1037	126.10	
19 28.8	62.71	-40.0	-17.6	45.88	607	60.70	-36.2	120.49	1001	119.40	
21 23.9	111.83	-45.0	-21.6	61.09	558	72.20	-32.0	105.35	946	107.80	
23 19.0	140.94	-47.5	-26.7	83.22	509	90.00	-26.7	83.26	876	90.00	

JUNE 28, 1963											
1	14.0	170.05	- 47.5	27.0	-83.15	916	90.00	27.0	-83.20	916	90.00
3	9.1	199.16	-45.0	21.8	-61.05	843	72.20	32.3	-105.26	985	107.80
5	4.2	228.27	-40.0	17.8	-45.83	790	60.70	36.6	-120.39	1037	119.40
6	59.3	257.39	35.0	14.9	-36.20	755	54.00	39.9	-129.93	1072	126.10
8	54.4	286.50	30.0	12.4	-28.84	728	49.40	42.8	-137.17	1099	130.70
10	49.4	315.61	20.0	9.0	-17.48	689	43.60	48.0	-148.35	1136	136.50
12	44.5	344.72	0.	0.	0.	657	40.00	57.7	-165.39	1159	140.30
14	39.6	373.83	-20.0	-0.0	17.49	629	43.60	-47.7	165.43	1124	138.50
16	34.7	42.95	-30.0	-12.4	28.45	713	49.40	-42.5	137.27	1082	130.70
18	29.7	72.06	-35.0	-14.9	36.21	738	54.00	-34.8	130.90	1053	126.10
20	24.8	101.17	-40.0	-17.8	45.85	771	60.70	-36.4	120.45	1016	119.40
22	19.9	130.28	-45.0	-21.7	61.09	821	72.20	-37.1	105.31	967	107.80
			-47.5	-26.0	83.17	871	90.00	-24.8	83.24	921	90.00