

PROJECT 10073 RECORD CARD

1. DATE 11 June 1963		2. LOCATION 25.83N 89.56W (Gulf of Mexico)		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☒ Other Satellite (Possible) ☐ Insufficient Data for Evaluation ☐ Unknown	
3. DATE-TIME GROUP Local _____ GMT 11/0650Z		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☒ No		6. SOURCE civilian			
7. LENGTH OF OBSERVATION 20 min		8. NUMBER OF OBJECTS one		9. COURSE SE	
10. BRIEF SUMMARY OF SIGHTING Report of Satellite sighting from M.V. Box Hill, a British vessel employed by the United Fruit Co.				11. COMMENTS Not ECHO I. Echo crossed over Pacific Ocean at 0622Z crossing equator at 175.30W. Object reported as a Satellite, not a UFO. Mag 2.0. Possibly 1963 B Theta L.	

UNITED STATES GOVERNMENT

Memorandum

TO : J. S. Lacey, OPI
NASA, Greenbelt

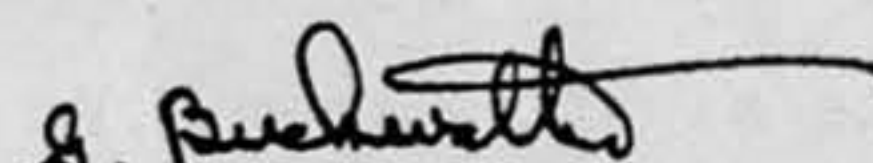
DATE: 26 June 1963

FROM : U.S. Naval Oceanographic Office
Code 5511:JCW

SUBJECT: Nautical Information; forwarding of

Encl: (1) Ship Visit Report from [REDACTED] dtd 11 June 1963

1. Enclosure (1) forwarded for your information.


G. BUCKWALTER

11 JUNE

UNITED STATES GOVERNMENT

Memorandum

TO : Technical Intelligence Center
U. S. Air Force, CAFCIN-4E2X
Wright Patterson AFB, Ohio

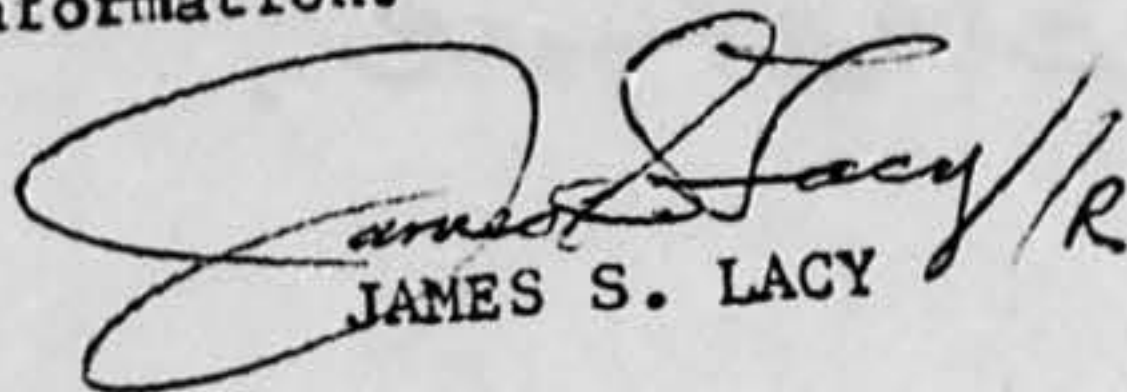
DATE: July 2, 1963

FROM : James S. Lacy, Code 202
OPI, NASA Goddard Space Flight Center

SUBJECT: Enclosed Nautical Information; forwarding of

Encl: (1) Ship Visit Report from M- [REDACTED] dtd 11 June 1963
(2) Memo from G. Buckwalter dtd 26 June 1963

Enclosures forwarded for your information.


JAMES S. LACY

This case includes two (2) photocopied
pages of narrative.

Enclosure (1)

PRNC-AMC-3506 1 (Rev. 9-40) (Back)

MARINE DATA REPORT

Please type or print clearly

NAME OF SHIP M.V. Box Hill		NATIONALITY British	DATE OF REPORT 11th June 1963
MASTER OR COMMANDING OFFICER K.J. Leslie		OBSERVER (Name and Rank) [Redacted] 2nd Mate	
SHIPPING ADDRESS (If Agent's address for non-U.S. ships) United Fruit Company, Pier 3, North River, New York			
SHIP TYPE ☐ PASSENGER ☐ CARGO ☐ TANKER ☐ OTHER (Specify)			
GROSS TONS 2983.24	LENGTH (Feet) 343' 6"	BEAM (Feet) 45'	DEEPEST DRAFT (Feet) when loaded to mark 21' 5"

Instructions for Reporting Observer

This form is provided for the convenience of mariners in reporting items of interest to the Hydrographic Office such as wrecks, shoalings, uncharted dangers, discrepancies in published information, etc. Such reports will enable the Hydrographic Office to correct its charts and publications and promote navigational safety, thereby benefiting mariners generally. In all cases, be sure to describe items fully, and specify the date, time (G.M.T.), and position or location of the items reported. Additional information on submitting reports will be found in H.O. Pub. No. 606a.

Report Sighting of Satellite (Prior to 1963)

At 0650 gmt, on the above date, in D.R. position 25°18' N., 89°56' W., what was presumed to be a Satellite of magnitude 2.0, was observed, rising between, MERUH & PHECDA, in the constellation of URSA MAJOR. The bearing was 320 T. At 0658, the Satellite disappeared behind cloud on a bearing of 008 T altitude 21 degrees; at 0705 the Satellite reappeared on a bearing of 053 T, altitude 10 degrees, and finally was lost to VIEW view at 0710, bearing 058 T, altitude 5 degrees.

At the time of observation there was clear atmosphere and bright moonlight. The wind was from the East at 10 mph, the temperature of the air was 28 C. The barometer read 29.86 inches.

Course 321 T, speed 15 knots.

REPORT URGENT DANGERS BY RADIO

JUNE 5, 1963

SATELLITE 1960 IOTA 1, ECHO I

These predictions are based on orbital elements revised on June 3, 1963
 T_0 = June 4 0, times are in days, U.T.
 Argument of perigee = $270.306 + 3.3877 (t - T_0)$
 Right ascension of ascending node = $203.064 + 3.7282 (t - T_0)$

Inclination = 47.2757 Eccentricity = $0.044912 + 0.22 \times 10^{-4} (t - T_0)$ Semi-major axis = 7.847655 megametersMean anomaly (Rev.) = $0.32330 + 12.498859 (t - T_0) + 1.0857 \times 10^{-4} (t - T_0)^2$

EQUATOR S-N								SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES								EQUATOR S-N								SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES							
TIME	LONG.	LAT.		TIME	LONG.	MT.	BEAR.	TIME	LONG.	MT.	BEAR.	TIME	LONG.	MT.	BEAR.	TIME	LONG.	LAT.		TIME	LONG.	MT.	BEAR.	TIME	LONG.	MT.	BEAR.				
(UT)	(W)			CORR.	CORR.	(MI)	(N-E)	CORR.	CORR.	(MI)	(N-E)	CORR.	CORR.	(MI)	(N-E)	CORR.	CORR.	(MI)	(N-E)	CORR.	CORR.	(MI)	(N-E)	CORR.	CORR.	(MI)	(N-E)				
JUNE 8, 1963																															
1 30.0	90.67	47.4		29.9	-82.43	1135	90.00	29.9	-82.46	1135	90.00	1 33.6	106.43	47.4		29.3	-82.56	1119	90.00	29.3	-82.60	1119	90.00								
3 34.1	114.79	45.0		24.2	-60.60	1103	72.30	35.6	-104.27	1147	107.70	3 29.7	135.54	45.0		23.7	-60.73	1071	72.30	23.7	-60.77	1071	72.30								
5 29.2	148.90	40.0		19.8	-45.43	1085	60.70	40.7	-119.41	1141	119.40	5 29.7	164.65	40.0		19.3	-45.54	1023	60.70	19.3	-45.58	1023	60.70								
7 24.3	178.02	35.0		16.5	-35.86	1031	54.00	43.5	-128.95	1128	126.10	7 18.8	193.72	35.0		16.1	-35.95	983	54.00	16.1	-36.00	983	54.00								
9 19.4	207.14	30.0		13.7	-28.56	999	49.40	46.5	-136.22	1112	130.70	9 13.9	222.88	30.0		13.4	-28.64	946	49.40	13.4	-28.68	946	49.40								
11 14.5	236.26	20.0		8.4	-17.32	938	43.70	51.4	-147.40	1071	136.60	11 9.0	251.99	20.0		8.6	-17.37	881	43.70	8.6	-17.41	881	43.70								
13 9.6	265.37	0.0		0.0	0.0	878	40.00	60.9	-164.54	971	140.10	13 4.1	281.10	0.0		0.0	0.0	777	40.00	0.0	0.0	777	40.00								
15 4.7	294.49	-20.0		-8.4	17.41	740	43.80	-45.4	148.97	862	136.30	15 59.1	310.21	-20.0		-8.2	17.45	688	43.80	-8.2	17.49	688	43.80								
16 59.8	323.61	-30.0		-12.9	28.78	708	49.50	-40.7	137.45	807	130.50	16 54.2	339.32	-30.0		-12.6	28.84	677	49.50	-12.6	28.88	677	49.50								
18 54.9	352.73	-35.0		-15.3	36.18	698	54.10	-38.2	130.31	780	126.00	18 49.3	368.44	-35.0		-15.0	36.23	671	54.10	-15.0	36.27	671	54.10								
20 50.0	381.84	-40.0		-18.1	45.86	687	60.80	-35.3	120.65	752	119.20	20 44.4	37.55	-40.0		-17.8	45.92	671	60.80	-17.8	45.96	671	60.80								
22 49.1	409.96	-45.0		-21.9	61.19	685	72.40	-31.4	109.32	721	107.60	22 39.4	66.66	-45.0		-21.6	61.26	674	72.40	-21.6	61.30	674	72.40								
		-47.4		-24.5	83.24	695	80.00	-26.6	83.28	695	90.00			-47.4		-26.3	83.32	705	80.00	-26.3	83.36	705	80.00								
JUNE 9, 1963																															
0 40.2	80.08	47.4		29.7	-82.46	1133	90.00	29.8	-82.49	1133	90.00	0 34.5	95.77	47.4		29.2	-82.60	1113	90.00	29.2	-82.64	1113	90.00								
2 35.3	109.19	45.0		24.1	-60.61	1097	72.30	35.5	-104.30	1149	107.70	2 29.6	124.88	45.0		23.6	-60.76	1062	72.30	23.6	-60.80	1062	72.30								
4 30.4	138.31	40.0		19.7	-45.45	1056	60.70	40.0	-119.44	1146	119.40	4 24.7	153.99	40.0		19.2	-45.57	1011	60.70	19.2	-45.61	1011	60.70								
6 25.5	167.42	35.0		16.4	-35.88	1021	54.00	43.4	-128.98	1136	126.10	6 19.7	183.10	35.0		16.0	-35.98	970	54.00	16.0	-36.02	970	54.00								
8 20.6	196.54	30.0		13.6	-28.58	987	49.40	46.4	-136.24	1121	130.70	8 14.8	212.21	30.0		13.3	-28.66	933	49.40	13.3	-28.70	933	49.40								
10 15.7	225.66	20.0		8.7	-17.33	925	43.70	51.4	-147.42	1082	136.60	10 9.9	241.32	20.0		8.5	-17.38	866	43.70	8.5	-17.42	866	43.70								
12 10.8	254.77	0.0		0.0	0.0	816	40.00	60.9	-164.60	985	140.10	12 5.0	270.44	0.0		0.0	0.0	759	40.00	0.0	0.0	759	40.00								
14 5.9	283.89	-20.0		-8.4	17.42	729	43.80	-45.4	148.98	874	136.30	14 0.0	299.55	-20.0		-8.2	17.46	809	43.80	-8.2	17.50	809	43.80								
16 1.0	313.00	-30.0		-12.8	28.79	700	49.50	-40.7	137.47	817	130.60	16 59.1	328.66	-30.0		-12.6	28.85	671	49.50	-12.6	28.89	671	49.50								
18 56.1	342.12	-35.0		-15.2	36.18	689	54.10	-38.1	130.32	789	126.00	18 50.2	357.77	-35.0		-15.0	36.24	667	54.10	-15.0	36.28	667	54.10								
20 51.2	371.24	-40.0		-18.1	45.86	682	60.80	-35.2	120.64	759	119.20	20 45.3	36.68	-40.0		-17.8	45.93	668	60.80	-17.8	45.97	668	60.80								
22 46.3	400.35	-45.0		-21.8	61.21	682	72.40	-31.5	109.34	726	107.60	22 40.3	55.99	-45.0		-21.5	61.28	680	72.40	-21.5	61.32	680	72.40								
24 41.3	429.47	-47.4		-24.6	83.26	697	80.00	-26.6	83.30	697	90.00	24 35.4	85.10	-47.4		-26.3	83.33	709	80.00	-26.3	83.37	709	80.00								
JUNE 10, 1963																															
1 30.5	90.58	47.4		29.6	-82.49	1129	90.00	29.6	-82.53	1129	90.00	1 30.5	100.21	47.4		29.0	-82.64	1106	90.00	29.0	-82.68	1106	90.00								
3 31.5	127.10	45.0		24.0	-60.66	1069	72.30	35.3	-104.34	1150	107.70	3 25.5	143.32	45.0		23.5	-60.79	1050	72.30	23.5	-60.83	1050	72.30								
5 26.6	156.81	40.0		19.6	-45.48	1049	60.70	39.9	-119.48	1151	119.40	5 20.6	172.43	40.0		19.1	-45.60	997	60.70	19.1	-45.64	997	60.70								
7 21.7	185.93	35.0		16.3	-35.91	1008	54.00	43.3	-129.01	1143	126.10	7 15.7	201.54	35.0		15.9	-36.00	955	54.00	15.9	-36.04	955	54.00								
9 16.8	215.04	30.0		13.5	-28.60	974	49.40	46.2	-136.27	1130	130.70	9 10.7	230.65	30.0		13.2	-28.68	917	49.40	13.2	-28.72	917	49.40								
11 11.9	244.16	20.0		8.7	-17.34	910	43.70	51.5	-147.45	1094	136.60	11 5.8	259.76	20.0		8.5	-17.39	851	43.70	8.5	-17.43	851	43.70								
13 7.0	273.27	0.0		0.0	0.0	800	40.00	60.8	-164.61	999	140.20	13 0.9	288.86	0.0		0.0	0.0	746	40.00	0.0	0.0	746	40.00								
15 2.1	302.38	-20.0		-8.3	17.43	718	43.80	-45.4	148.99	887	136.30	15 56.0	317.97	-20.0		-8.2	17.47	680	43.80	-8.2	17.51	680	43.80								
16 57.2	331.50	-30.0		-12.7	28.81	691	49.50	-40.7	137.48	829	130.60	16 51.0	347.08	-30.0		-12.5	28.87	665	49.50	-12.5	28.91	665	49.50								
18 52.3	360.61	-35.0		-15.2	36.19	682	54.10	-38.1	130.33	799	126.00	18 46.1	376.19	-35.0		-14.9	36.24	663	54.10	-14.9	36.28	663	54.10								
20 47.3	389.73	-40.0		-18.0	45.88	678	60.80	-35.2	120.68	768	119.20	20 41.2	45.30	-40.0		-17.7	45.95	667	60.80	-17.7	45.99	667	60.80								
22 42.4	418.84	-45.0		-21.7	61.23	680	72.40	-31.3	109.36	732	107.60	22 36.2	34.41	-45.0		-21.5	61.30	682	72.40	-21.5	61.34	682	72.40								
		-47.4		-24.5	83.28	699	80.00	-26.5	83.32	699	90.00			-47.4		-26.2	83.35	719	80.00	-26.2	83.39	719	80.00								
JUNE 11, 1963																															
0 37.5	87.96	47.4		29.5	-82.52	1125	90.00	29.5	-82.56	1125	90.00	0 31.3	103.52	47.4		28.9	-82.68	1098	90.00	28.9	-82.72	1098	90.00								
2 32.6	117.07	45.0		23.9	-60.69	1081	72.30	35.2	-104.37	1150	107.70	2 26.3	132.63	45.0		23.3	-60.83	1039	72.30	23.3	-60.87										