## PROJECT 10073 RECORD CARD

1. DATE 14 June 1963	OS ECHO (Atlant:	ic)	12. CONCLUSIONS  Was Balloon Probably Balloon				
3. DATE-TIME GROUP  Local  GMT14/2301Z  5. PHOTOS  B No	4. TYPE OF OBSERVATIO  G Ground-Visual  Air-Visual  6. SOURCE  Military	N Ground-Rodar  Air-Intercept Radar	Possibly Balloon  Was Aircraft Probably Aircraft Possibly Aircraft Was Astronomical Probably Astronomical Possibly Astronomical Possibly Astronomical				
7. LENGTH OF OBSERVATION  Not reported	8. NUMBER OF OBJECTS	9. COURSE NE	Other Satellite ECHO I Insufficient Data for Evaluation Unknown				
Satellite in transit from SW lst mag. Estimated altitude		2236Z at 74.41 orbit at 2304Z	crossed equator at wand reached peak of This would place the area of the sighting.				
			THE RESERVE TO THE PARTY OF THE				

ATIC FORM 329 (REV 26 SEP 52)

## STAFF MESSAGE BRANCH UNCLASSIFIED MESSAGE

AF IN: 192 (15 Jun 63) A/rIjN C O M I N G

ACTION: NIN-9

INFO: XOP-1, XOPX-4, SAF-OS-3, ARMY-2, NAVY-2, CMC-8, JCS-35,

DIA-25, DIA/CIIC-2, OSD-15, NSA-7, CIA-11 (125)

SMB E 007

ZCZCHQA293ZCECAØØ8OO RUEAHQ
DE RUEGUF ØØ2
ZNR
O 142331Z
FM COMEASTAREA
TO RUCKHC/CINCLANTFLT
RUWGALB/CINCNORAD ENT AFB COLO
RUEAYQ/COFS USAF WASHDC
RUCKDT/COMASWFORLANT
RUEGUH/COMEASTSEAFRON
RCEOM/CANCOMARLANT
RCCSC/CANAIRDEF
INFO RUECJD/COMDT COGARD

P 142322Z
FM OS ECHO
TO COMEASTAREA
GR18
BT
UNCLAS. MERINT.

2301Z OBSERVED APPARENT SATELLITE TRANSIT SW TO NE. FIRST MAGNITUDE. EST MAX HEIGHT 75 DEGREES 30 MINUTES.

BT

NOTE: Adv cy to NIN, XOPX & DIA.

## JUNE 5, 1963

## SATELLITE 1940 TOTA I, SCHO I

These predictions are based on orbital elements revised on June 3, 1963 T, - June 4.0, times are in days, U.T.

Argument of parigue = 276:306 + 3:3877 (c-T,)

hight accountes of according mode = 203:044 - 3:2982 (t-T,)

Intlination = 67:2357

Eccentricity = 0.044912 + 6.22 x 10<sup>-4</sup> (t-T<sub>e</sub>)

Semi-major aute = 7.842655 magameters

Hean anomaly (Rev.) = 0.32350 + 12.498859 (t-T<sub>e</sub>) + 3.0853 x 10<sup>-4</sup> (t-T<sub>e</sub>)<sup>2</sup>

			1	-43	The same						25.6				· NE	100						A.	
EGUA	TOR.		3A	TELL TIE	- 1.1000 O - O - 11	7 (20 to 1) (5.7 (1) (5.2)		100						· 24 M	34	TELLITE	1940 1	nta 1				T FIRE	1
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1 39.0	90.47	47.4	. 29.4	-82.43	1135	90.00	29.0	-02.46	1135	90.00		1 33.6	106.43	47.4	29.3	-82.56	1119	90.0-	29.3	-62.60	1119	90.00	
2 M.	110.79	49.0	24.2	-40.40	1103	72.30		-104.27		107.70			135.54	45.0	TOTAL STATE OF THE	-60.73				-104.41			
1 84.3	178.02	40.0		-45.43				-114.41	12.00 (2.00)	# 1 d a to a		5 23.7		40.0	19.3	-45.54	B 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			-110.55			
9 19.4	207.14	30.0	4 2 3 3 4 5 5 6 6	-35,86				-124.95	1126	124.10		9 13.9	193.76	30.0	13.4	-35.95		49.44		-129.08	NOT 10 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	Principal Control of the Control of	
11 14,5	234.24	. 50.0	6.4	A CONTRACTOR OF THE PARTY OF TH		43.10		-147.40	1071	130.7-	200			20.0		-17.37	100000000000000000000000000000000000000	43.70	12/0/44/5/24/5	-147.50		136.40	
11 1.4	245.37	٥.	0.	0.	828	40.00	Charles and Charles and	-144.59	the state of the s	140.1.	32	13 4.1	281.10	0.	0.	0.	772			-164.65		140.20	
1 1 47	3/3.41	-10.0	-1.1		The second second	43.80	-45.4		. 842				310.71	-30.0	-12.6	28.84		47.50		137.60	1011-74-7012-40	136.30	
10 50.0	342.73	-31.0	-13.5	34.14		54.1-	-10.7			130.50		16 54.2	8.44	-35.0	-15.0	36.23	25.44			130.35	1000	126.04	
29.90.4	\$1.94 ·	-40.0	-10.1	\$100 PERSON NAMED TO BE ADDRESS OF THE PARTY	The second secon	TORR. CUES 1,225 (CH) PLES WY	-113		792		27	20 44.4	37.55	-40.0	-17.0	45.92	ALCOHOL: NO	40.80		120.70		119.20	
21,05-1	39.46	-45.0	-21.0	61.19	P 485		-31.4	105.52	· Market Control	107.60	100	72 39.4	46.46	-45.0	-21.6	61.26		72.40	100 C	105.31	22,000,000	107.60	
17 . Et 1 10.	250	-47.4	-24-4	03.24	A75	46.00	-1900	17.25	493	20.00		1. 14. 11	1301	-47.4	-24-3	93.32	703	90.00	-26.3	43.36	102	90.00	
the state of	1 11 1	45	T. 0 .	All and a second	200	1947	3. 10 h	Sac !	25.00	15.55				achie	4.50	JU	W 43.	1963		211	-	-	
4.5	10	1.00				CONTRACTOR	2.414	(1)	2. 4	* * L	300	W	2.12	1 1 2 2		ST. Francisco	18,015			4	200		
9 10.3	40.00	47.4		-82.56				-12.40	The second secon				95.77	47.4		-82.40		AND		-42.44			
10.1	107,17	49.0		-40.63			CONTRACTOR AND ADDRESS OF THE PARTY AND	-104,30					153.94	40.0	(8) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	-45.57	100 100 100 100 100 100 100 100 100 100		10 TO	-104.45		107.70	
. 25.5	198.31	15.0		-45.45	Application of the second second			-119,44	200 HO 14 THAT 14 THAT A CHILD SHIP IN			6 19.7		13.0		-35.98				-129.12			
8 20.6	194.54	10.0		-20.50		49.40		-194.24		130.70	158		212.21	30.0		-28.66		The Control of the Co		-134.37		130.7-	
10 19.7	245.66	20.0	The second secon	-11.33	925	43.70	Company of the Compan	-147-42			-12	10 9.9	241.32	20.0		-17,34	Carlos and D. Carlos Sant A.			-147.53		136.40	
17 19-0	254.77	-20.0	0.		114	40.00	the second secon	-164.60		140-50	- 320			0.	THE RESERVE TO STATE OF THE	. 0.		40.00	The Control of the Co	148.98		136.30	
12 13	3(3.00	-10.0		21,79			-10.7	137.67		136.40		15 50-1	324.44	-30-C	-12.0		671			137.40		130.60	
"t7 54.1	342.12	-19.0	-15.2	34.10	7 444	\$4.10	-36.1	130.37	1 222 200	126.00		17 90.2	357.77	-35.0	-15.0			54.10		130.35		126.00	
19 51.2	11-24	-40.0	-10.1	45.86	Test	60, 80'	-32.2	120.46	5 VA TO 5 4 100	119.20		19 49.3	74.88	-40.0	-17.0		. 448	100000000000000000000000000000000000000		120.71		119.30	
11 31 3	49.35	-45.0	-21.0	41.71	. 985	72.40	-31,3	109,34	776	107.64	AT -	21 40.3	55.00	-45.0	-24.3		1 709		-20.3	105.41	753	107.60	
	99-41	-47.4	-54.4	83.26	169	•0.0•	-26.6	83.30	407	90.00	BEN	23 35.4	85.10	-47.4	37.7E	170-3	1 5	*****	-				
ar and		17.	-	JUN	E 10.	1943	1.6	1000		1 1 115	-	40	1	10.00		JU	NE THE	1963					
	1200		Contract of		* 20		1	***		A 100 A	444	. ""	1 . 1	14.4	100				100	No.			
11.1	98.58	47.4		-87.64	CONTRACTOR OF THE PARTY OF THE		production of the control of the con	-82.53	The second secon		40.	A SECTION OF THE RESERVE AND ADDRESS OF THE RESE	114.71	47.4	A CONTRACTOR OF THE PARTY OF TH	-82.64	The state of the second state of			-02.66			
* 24.4	154.01	44.0		-47.42		20. Te		-104.34			934.1	3 25.5	TELEMENT N. 15 AND A.	45.0	23.5	Section 2 to 1 to			12 2-04D(A10)(1	-104.30			
7.21.1	105.93	95.0		-95.51		54.00		-119.48			5000	7 15.7	THE REAL PROPERTY.	15.0	19.1	+36.00		54.00		-119.43	RECORD SANDER	126.1	
14.4	215.04	10.0	13.5	-24.60	474	The second secon		-134.27		130.70	1000		230.65	30.0		-24.68	0.71MT/17.0			-134.42			
	244.16	20.0	0.7	-17.34	A SECULIAR PROPERTY OF THE PERSON OF THE PER			-147-45		136.40	1	11 5.0	<ul> <li>International Control of the Control o</li></ul>	20.0	1.5		451	THE PART AND ADDRESS OF THE PARTY.				136.44	-
13 7.0		-20.C	-8.7	17.43	STATE OF THE PARTY	60.04		-164.61	1 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0 -0	140.20	1000		264.46	0.	0.		746	CAN THE PROPERTY.		-164.69		140.20	
14 57.2		-30.0		THE RESERVE AND ADDRESS OF THE PARTY OF THE		49.50		144.99	AT THE PLAN OF STREET,	130.40	455.5		347.08	-30.0		28.87	-100 Marin - 100 Marin - 1			137.69	860		
20 47.3		-35.0	-15.2	36,19	482	54.10	-94.1	130.35	707	124.00	10.0	18 44.1	16.19	-15.0	The second second second second	36.76			Market State Co.	130.34	50 PM COVA 54	0.051	
		-40.0	-19.0	45.88	470	40.44	-19.2	120,64	768	119.20		20 41-2	45.30	-40.0	-17:1	45.95	467		-35.0		10021	119.3	
27 42.4		-45.6	-21.1	61.73	400	12.40		204,36	131	107.44		\$ 34.2	14.45	47.4	F-115	41.30			-31.1		715	\$0.0	
PRIX AC	Live a	100	7237	19 19 A		We will	17.60	CLUB, W.	THE WALL	39.04	1.15	W. 1.	16.10 15.30 14.41		210.1	. \$3.35	- AC	et.	-1012	1500			
Sales of Contract	145			-		-5 4.45	1	1.21	1000	**		15 33	at the	A. T.	The Police	שני	15 37	1945	20.33	112	to Te.		
The state of the s	100	2 7		3 34	4500			(FJ41)	Tab			The second second		1000	300.00	DOM WITH	A Capt						
0 97.5	87,94	47.4	29.5	-82.32	1125	- 9459011	1.129.5	462.36	-um	90.00		6 HT-1	T03.92	17.0		-40.41				-82.72		107.7	
Company of the Compan	117.07	45.0	23.9	***	1041	38.34 W	20.4	-104.JT	381961	01.70 S		4 764	141.76	45.0	23.7	-45.AZ	1904		C 1 (2010) 721	-119.66		119.4	
	400.10	40.0	16.6	+45.31	11012	PETAL	-30.B.	-+13-et	3186	119.40	** *	4 10.5	132.43	- 51-0	11.1	-45.4Z	2 .045		Committee of the Commit	-12+121	1145	126.1-	
REPORT OF THE PARTY OF THE PART	175.30	35.0	111.4	-22.47	1 948	AD LA	100.1	-124-99	CINE	120.19/		F. 21 8	-210.95	20.0	23.1	-28.70	003	47.4*		-136.46		130.7	
10 17.5	The state of the s	10.0					15 54.4				100		244.06		The second secon	-17.61				-147,61		140.2	
12 4.6		. 0.	0.	0.	786		The state of the s	-164.63		THE PARTY OF THE P	Broke.	CTOR, SALCONNAID, MALTINEZO		-20.0	-1.1	1 27.40	477	43.40		148.76		136.3	
14 3.1		-70.0	-4.3	17.44	705	43.80	-45.4	148.99	900	134.30	4 1	THE TOTAL PROPERTY OF THE PARTY	307.28	-30.0		20.08	The second second second			137.49		130.6	
15 50.2	320.46	-30.0	-17.7	24.82		49.50		137-60	840	100.60	194	17 44:9		-35.6	-14.7		0 1000000	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	-36.0	130.35	858	126.0	
17 55.3		-15.0	-15.1	36,21		54.16		130.34	A TO AND A STATE OF THE PARTY O	124.00	the many	19 41.9		-40.0	-17.7	45.96	866	60.80		120.72		119.3	
21 43.4	48.20	-45.0	-17.9	61.25	674	72.40	35.1	105:36	BERTHAM BUTTON	107.64	27 - 24	21.37.0	63-71			Marie Contract of the Contract	The second second	72.40		105.42		107.6	
23 38.5	77.31	-47.4	-74.4	83.30	101	90.0	-26.4	93.34	701	90.00	1000	23 17.0	92.61	-41.4	-26.2	63. 10	721	90.00	-16.2	83.40		90.0	
	3 7 1			4.43	WELL TO		-	THE PERSON	17.5		3.00 W	all the same	310	100	(M) #12 ED	TE STATE OF	1	in the state of	54				
The same of the			SP 3 11		1	14 7 34	was !	The second	Sec. 7.	20 NO. 24	4-1	243	State .	25.07		2	0.000	The same of the sa					
						200	the catherine is	1000000	1586	N. C. C.	ar hand for								1				