PROJECT 10073 RECORD CARD

1. DATE	2. LOCATION		12. CONCLUSIONS
16 July 1963	35.38N 176.23W	(pacific)	□ Was Balloon □ Probably Balloon
3. DATE-TIME GROUP Local	4. TYPE OF OBSERVATIO Ground-Visual MAir-Visual 6. SOURCE military	N Ground-Rader Air-Intercept Rader	Possibly Balloon Was Aircraft Probably Aircraft Possibly Aircraft Was Astronomical Probably Astronomical Possibly Astronomical Possibly Astronomical
7. LENGTH OF OBSERVATION 8 minutes	S. NUMBER OF OBJECTS	9. COURSE SSE	Other Sate Ilite ECHO I Insufficient Data for Evaluation Unknown
Bright light same as fir initially to west then to elevation. Faded at horiobservation	o SE. Observed at 45 d	eg heading NE a at 0750 it w peak 262 deg North Latitu East Longitu Saellite in	CHO crossed the equator at 0724 at 345 deg W. would be at it's orbital g. It would reach 35 deg ade at 0802Z at 145 deg ade. This places the the position of the observation. Case ECHO I.

ATIC FORM 329 (REV 26 SEP 52)

DEPARTMENT OF THE AIR FORCE

INCOMING

SMB A136

ZCZCHQA934ZCECB157

YY RUEAHQ

DE RUHPF BØ26

ZNR

15 16

Y 170913Z

FM COMBARPAC

TO RUHPHH/C OM HAWSEAFRON

RUHLKM/C INCPACAF

RUAUAAH HADD KUNIA

ZEN/ CINCNORAD

INFO RUECW/CNO

RUEAHO/COFS USAF

RUHPA/C INCPAC

RUHPB/C INCPACFLTO

R UHAF S/CINCUSARPAC

RUHLMP/PACAFBASECOM HICKMAN

R UECW/ SECNAV

NAVY GRNC

AF IN: 41373 (17 Jul 63) C/jmh Pg 1 of 2

ARMY-2, NAVY-2, CMC-8, JCS-35,

OSD-15, NSA-7, DIA-25, DIA/CIIC-3

INFO : NIN-9, XOP-1, XOPX-4, SAF-0S-3,

(115)

STAFF MESSAGE BRANCH

INCOMING

AF IN: 41373 (17 Jul 63)

Page 2 of 2

BI

UNCLAS

- A. JANAP 146D
- 1. CIRVIS REPORT
- 2. V43224
- 3. BRIGHT LIGHT SAME SIZE AS FIRST MAGNITUDE STAR
- 4. 35 38N 176 23W
- 5. 170808Z
- 6. ALTITUDE 45 DEG ABOVE HOR IZON
- 7. SSE
- 8. OBJECT SIGHTED INITIALL TO THE WESK...RISERVED TRAVELING ON SSE COURSE UNTIL FADED JUST ABOVE HORIZON AT TIME 0816ZO
- 9. EVALUATION UNKNOWN

BT NOTE: Adv cy to XOPX, NIN, DIA

17/09132

AF IN: 41403 (17 Jul 63) X/CEPASSITIED MESSAGE BRANCH

Pg 1 of 2

INFO: NIN-9, XOP-1, XOPX-1, CSAR-108-3N GRMY-2, CMC-8, JCS-35, OSD-15, NSA-7, DIA-25, DIA-CIIC-3 (103)

SMB A146

CZCHQA941ZCQJA116

00 RUEAHQ

DE RUHLKH 5

ZNR

0 170952ZFM 3

FM 326 AIR DIV KUNIA FACILITY HAWAII
TO RUHLKM/PACAF HICKAM AFB HAWAII

RUHPHH/COMHAWSEAFRON PEARL HARBOR HAWAII

INFO RUEAH O'C SAF USAF WASH DC

RUECW/ CNO WASH DC

RUECW/SECNAV WASH DC

RUWGALB/C INCNORAD ENT AFB COLO

RUHPA/CINCPAC CAMP H M SMITH HAWAII

RUHAFS/C INCUSARPAC FT SHAFTER HAWAII

RUHPB/CINCPACFLT PEARL HARBOR HAWUI

RUAUAZ/COMUSJAPAN FUCHU AS JAPAN

RUAMC/C OM USKOREA SEOUL KOREA

RUAGFL/COMUSTDC. TAIPEI TAIWAN

RUCSBRB/ CINCSAC OFFUTT AFB NEBR

RUHPD/COMASWFORPAC FORD ISLAND HAWAII

AF GRNC

BT

NCLAS HADOC-D 1263

NNNN

INCOMING

AF IN: 41403 (17 Jul63)

Pg 2 of 2

- A. JANAP 146D
- 1. CIRVIS REPORT
- 2. V43224
- 3. BRIGHT LIGHT SAME SIZE AS FIRST MAGNATUDE STAR
- 4. 35 38N 176 23W
- 5. 17/0808Z
- 6. ALTITUDE 45 DEGREES ABOVE ORIZON
- 7. SSE
- 8. OBJECT SIGHTED INITIALLY TO THE WEST. OBSERVED
 TRAVELING ON SSE COURSE UNTIL FADED JUST ABOVE
 HORIZON AT TIME Ø816Z
- 9. EVALUATION NONE AT THIS TIME

B

17/0958Z JUL RUHLKH NOTE: Xmitted bbeCIA SMB #431

A than		SATELLITE 1960 10TA 1								SATELLITE 1960 TOTA 1														
) . ICLA		FOR OTHER LATI			NORTH-SCUTH					ECUATER FOR OTHER							LATTITUDES							
(ILI)	teng.	۱۸.	CCRP.	CCRR.			TIME CORR.	CCRR.		BEAR.		TIME	LONG.	LAT.	TIPE CORR.	LCNG. CORR.	HT.	BEAR. (N-E)	TIME CORR.	NCRTH-	HT.	BEAR.		
				JLL	Y 14,	1963										JUL	Y 18,	1963			*			
19 58.2	261.12 296.22 319.33 348.43 17.54 46.64 75.75 164.85 133.96 161.66 192.17	47 5 45.0 40-0 35.0 36.0 20.0 -20.0 -30.0 -40.0 -45.0 -47.5	21.6 17.9 15.1 12.7	-2E.78 -17.41 0.	613 668 612 083 706 781 879 766 1002	60.7 54.0 49.4 43.7 39.9 43.6 49.3 53.9 60.6	31.2 35.1 38.0 40.6 45.3 54.3 -51.5	129.09				2 35.0	247.22 276.32 305.42 334.53 3.63 32.73 61.84 90.94 120.04 149.14 178.25 207.35 236.45	47.5 45.0 40.0 35.0 30.0 20.0 0. -20.0 -30.0 -35.0 -40.0 -45.0	21.9	-83.24 -61.CC	673 669 678 691 707 747 966 1029 1061 1094 1129 1156		31.4 35.2 38.1 40.6 45.2 53.9 -52.0	128.92 119.41 104.36	722 748 775 830 944 1057 11 C7 11 28 11 47	90.0 107.8 117.3. 126.0. 130.6. 136.3. 140.2. 136.4 130.7 176.2 117.4 107.9		
		JULY 15, 1363							1	JULY 19, 1963														
3 36.4	6.80 35.00 65.00 94.11 173.71 152.37	-47.5 45.0 40.0 35.0 20.0 20.0 -20.0 -30.0 -40.0 -40.0 -40.0	21.7 17.9 15.1 12.7	45.31	676 669 675 686 715 802 917 562 1016 1055 1079	12.2 60.7 54.0 49.4 43.7 30.0 43.6 49.3 51.9 60.6 72.2	31.2 35.1 38.0 40.5 45.2 51.2 -51.6 -46.4 -43.5 -40.1	126.28 129.04 119.53 104.48	7 20 7 55 7 67 8 17 8 17 9 9 2 10 9 4 11 3 3 11 4 0 11 5 7 11 5 9	107.8. 119.3. 126.0. 130.6. 136.3. 140.2		3 30.5 5 25.6	352.8E 21.76 51.06 80.17 109.27 138.27 167.47 196.57	47.5 45.0 40.0 35.0 30.0 20.0 -20.0 -10.0 -40.0 -45.0 -47.5	22.0	-28.70 -17.35 C. 17.25 28.45 35.72 45.25 60.32	671 683 699 717 760 863 982 1044 1075 1105	72.2 60.7 54.0 49.4 43.7 39.9 43.6 47.3 53.9 60.6	31.5 35.3 38.1 40.6 45.2 53.9 -52.1 -47.0 -44.1 -40.7	136.13 120.08 119.37 104.31	687 712 736 761 814 927 1043 1095 1119 1140 1158	176.2		
				JUE	Y 16,	1963										JUL	Y 20.	1963						
	34.25 83.36 112.46 141.57 170.67 199.77	-45.0	19.4 15.2 12.6 8.4 0. -8.7 -13.7 -16.5		672 725 816 933 998 1032 1068 1110	43.6° 49.3° 53.9° 6C.6° 72.2°	11.1 15.1 18.0 40.5 45.2 54.1 -51.8 -46.6 -43.6 -40.2 -35.7	-83.32 -105.55 -120.79 -130.42 -137.78 -149.06 -166.32 147.40 136.24 129.00 119.49 104.44 82.46	774 803 861 977 1083 1125 1142 1155 1160	107.8 115.3 126.0 130.6 136.3 140.2 136.5 130.8 126.2 119.4 107.9		2 31.0 4 26.0 6 21.1 9 16.1 10 11.1 12 6.2 14 1.2 15 56.2 17 51.3 19 46.3 21 41.3	40.29 69.39 98.49 127.59 156.69	-45.0	72.1 18.3 15.5	-45.69 -36.04 -28.68 -17.34 0. 17.23 28.43 35.69 45.22 60.28	689 707 727 772 879 998 1057 1087 1115 1144	47.4 43.7 39.9 43.6 49.3 53.9 60.6	35.3 38.2 40.7 45.2 53.9 -52.2 -47.1 -44.2	-83.74 -1(5.37 -170.73 -130.37 -137.73 -145.05 -166.37 147.29 136.11 128.85 119.34 104.28 82.31	703 749 799 911 1029 1084 1110 1133 1154	126.1 117.4 107.9		
			,	JUL	Y 17,	1963	93						PEDIFIED CRBITAL FLENENTS FOR FARTH SATELLITE 1940 1914 1											
3 34.5 5 29.6 1 24.6	72.60 101.70 130.61 159.71 187.01	47.5 45.0 40.0 35.0 30.0 20.0 -20.0 -30.0 -40.0 -45.0 -47.5	21.8 18.1 15.3 12.8	28.50 35.77 45.31 60.39	665 674 685 695 736 832 950 1014 1047 1082 1120	9C.0 72.2 ** 60.7 54.0 49.4 43.7 39.9 43.6 49.3 53.9 60.6 72.1	31.3 35.1 28.0 40.6 45.2 54.0 -51.9 -46.7 -43.8 -40.4 -35.8	-83.30 -105.54 -120.78 -130.42' -137.76 -149.06 -166.34 147.36 136.20 128.96 119.45 104.40 82.42	702 732 760 789 845 960 1070 1116 1135 1151 1160	130.6 136.3 140.2 136.5 130.7 126.2 119.4 107.9	PRIME SHEEP INTERVAL ONE DAY -16.95 MIN. ARGUMENT OF PERIGEE 32.13 DEG.													

RATE CF CHANGE -3.30358 DEG. PER CAY

LATITUCE OF PERIGEE 23.00 DEC.

READ-IN EXPECTED

MA SOUTH THE SECTION OF THE SECTION