1. DATE - TIME GROUP 2 December 64 03/0540Z	2. LOCATION 29.30N 169.30W (PACIFIC)
3. SOURCE Military	10. CONCLUSION Satellite (ECHO II)
4. NUMBER OF OBJECTS One	ECHO I in Southern hemisphere not visible. ECHO II crossing equator heading SE at 167 deg East near the observers location and in position for observation. Case evaluated as ECHO II.
5. LENGTH OF OBSERVATION 15 Minutes	11. BRIEF SUMMARY AND ANALYSIS Possible Satellite passed through 70 deg arc heading SE in 14 minutes.
6. TYPE OF OBSERVATION Air-Visual	
7. COURSE Southeast	
8. PHOTOS ☐ Yes XX No	
9. PHYSICAL EVIDENCE ☐ Yes XX No	

FORM
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

NNN INCOMING MESSAGE

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH

UNCLASSIFIED

AF IN : 5799 (3 Dec 64) I/be Pg 1 of 2

INFO : NIN-7, XOP-1, XOPX-7, SAFOS-3, JCS/OSD-1, NSA-7, DIA-15 (42)

SMB B152

CZCHQB159ZCCJD057

∞ RUEAHQ

DE RUHPF B041 03/0626Z

ZN RN

O 030626Y

FM ADMINM COMBARFORPAC

TO RUKACR/COMALSEAFRON

RUKDAG/COMALAIRCOM

RUHLKM/CINCPACAF

ZEN/CINCNORAD

INFO RUECW/CNO

RUEAHQ/COFS USAF

RUHLHQ/CINCPAC

RUHLHL/CINCPACFLT

RUHLHS/CINCUSARPAC

RUHLKSA/PACAFBASECOM COMMAND CENTER HICKAM AFB

RUECW/SECNAV

RUHPHH/COMHAWSEAFRON

RUHLKH/HADD KUNIA

BT

UNCLAS.

INCOMING
MESSAGE

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH

UNCLASSIFIED

AF IN : 5799 (3 Dec 64)

A. JANAP 146D

2. N143203

3. POSS SATELLITE 29.30N

4. OBSERVER AT ~~29.30N~~ 169-30W

5. 030540Z

6. 40 DEGREES ABOVE HOR

7. SE

8. UNKNOWN

9. OBJECT PASSED THRU 70 DEGREES ARC IN 14 MINS

BT NOTE: ADV CY DELIVERED TO NIN, DIA & XOPX. XMITTED TO CIA PER FORM 1392 #60

1964 54 A (SATCAN V)
0547Z EQUATOR AT 22.86° 136° 56° NORTH OF BORNEO
054°
0422
1G 18M
ECH I
SOUTHERN HEMI

~~ECH II NOT AVAILABLE~~

SATELLITE 1964 4 A
FOR OTHER LATITUDES

EQUATOR S-N TIME (UT)	EQUATOR S-N LONG. (W)	LAT.	SOUTH-NORTH TIME CORR.	SOUTH-NORTH LONG. CORR.	SOUTH-NORTH HT. (MI)	SOUTH-NORTH BEAR. (N-E)	NORTH-SOUTH TIME CORR.	NORTH-SOUTH LONG. CORR.	NORTH-SOUTH HT. (MI)	NORTH-SOUTH BEAR. (N-E)
				DECEMBER 3, 1964						
1 12.2	305.18	81.6	27.2	-83.12	746	90.0°	27.3	-83.19	746	90.0°
3 0.8	332.47	80.0	25.6	-50.60	746	57.1°	28.9	-115.71	746	122.9°
4 49.4	359.76	70.0	21.7	-18.53	745	24.2°	32.8	-147.78	743	155.8°
6 38.0	27.05	50.0	15.3	-6.31	740	10.9°	39.2	-160.00	737	169.1°
8 26.6	54.34	40.0	12.2	-4.07	737	8.3°	42.3	-162.25	732	171.7°
10 15.3	81.63	30.0	9.1	-2.61	733	6.6°	45.3	-163.71	728	173.4°
12 3.9	108.92	20.0	6.1	-1.57	730	5.6°	48.4	-164.76	724	174.4°
13 52.5	136.21	0.	0.	0.	725	4.8°	54.5	-166.32	719	175.2°
15 41.1	163.50	-20.0	-6.0	1.57	722	5.6°	-48.1	164.84	717	174.4°
17 29.7	190.79	-30.0	-9.1	2.62	722	6.6°	-45.0	163.79	717	173.4°
19 18.3	218.08	-40.0	-12.1	4.08	722	8.3°	-42.0	162.32	717	171.7°
21 7.0	245.37	-50.0	-15.2	6.33	722	10.9°	-38.9	160.07	719	169.1°
22 55.6	272.66	-70.0	-21.6	18.36	723	24.2°	-32.6	147.84	722	155.8°
		-80.0	-25.4	50.64	723	57.1°	-28.7	115.76	723	122.9°
		-81.6	-27.1	83.16	723	90.0°	-27.1	83.23	723	90.0°

+57 MIN
FOR ↓ AT 359.76
166.32
193.44