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CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE DIVISION
PHOTOGRAPHIC INTELLIGENCE REPORT



TUNG-CHING-SHAN ELECTRONIC INTERCEPT SITE
CHINA

CIA/PIR-1017/65

JUNE 1965



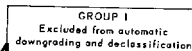
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Declassification Review by NIMA/DoD

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TUNG-CHING-SHAN ELECTRONIC INTERCEPT SITE

The Tung-Ching-Shan Electronic Intercept Site, 25-25-00N 119-37-40E, is located approximately 5 nm southeast of Kao-Shan-Shih, 25-28-20N 119-33-20E, and approximately 45 nm south-southeast of Fu-Chou, 26-06-00N 119-17-30E (Figure 1). The site is situated on the summit of a hill 1368 feet above sea level, and directly overlooks the Formosa Strait. This site location is unique in that it is the closest high point on the mainland of China to Taiwan (Figure 2).

The Tung-Ching-Shan Electronic Intercept Site covers approximately 2 acres, and contains approximately 50 various antennas, numerous antenna sections and various on-site facilities. Detailed photographic analysis of photography, [redacted] reveals the antennas at this site consist of 9 Discone Antennas, 8 Mattress Antennas, 8 Parabolic Mesh Dish Reflectors, 7 VHF Horizontal Double Rhombic Antennas, (including one still under construction), 5 Yagi Antennas, 5 possible Stick Masts, 4 Parabolic Solid Dish Reflectors, (including one with bulbous feed), and 4 unidentified antennas. There are also at least 5 mattress-type antenna sections leaning on or against structures through-out the site and one possible antenna assembly area containing construction materials.

On-site structures include 8 buildings, (one under construction), 4 antenna shielding walls, 3 excavations, (possibly underground entrances), 2 unidentified cylindrical objects, and a storage shed. The lack of security at this site, the presence of construction materials, the partially assembled antenna sections, and the apparent recent change in antenna arrangement and orientation indicate that this site is not yet complete and is currently under-going extension or modification (Figures 3, 4 and 5).

[redacted]
[redacted] The approximate orientation azimuths of the directional antennas indicate the major elint intercept effort to be within azimuths of [redacted] Degrees. This sector, when projected across the Formosa Strait, indicates the passive elint intercept to be directed against north-western Taiwan with primary emphasis in the area of T'ai-Chung and Hsin-Chu (Tables 1 and 2). The presence of Discone antennas at the Tung-Ching-Shan Electronic Intercept Site indicate a probable Chicom attempt at intercept of Chinat Air-to-Ground communications.

Analysis of previous photography, of this site, revealed some of the antennas observed were constructed between [redacted] However, obliquity and or poor quality precluded detailed photographic interpretation.

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25X1 All measurements have been made by the NPIC Technical Intelligence Division, with the exception of approximate antenna orientation azimuths and newly observed or changed antenna arrangements which were made by the CIA/PID project analyst. They should be considered as approximate and must not be taken as official NPIC mensuration. The NPIC/TID measurements are considered to be accurate within plus or minus [redacted] whichever is greater. The approximate antenna orientation azimuths, as computed by the project analyst may be considered to be accurate within plus or minus 5 Degrees.

REFERENCES

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PHOTOGRAPHY



MAPS OR CHARTS

ACIC ONC H-12 2nd Classified ed, Nov 61, scale 1:1,000,000 (CONFIDENTIAL)
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DOCUMENTS OR REPORTS

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PI Report (Cable) No. 0773 (COMUST DG-AFIN 59170)

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REQUIREMENT

C-SI5-82,289

CIA/PID PROJECT

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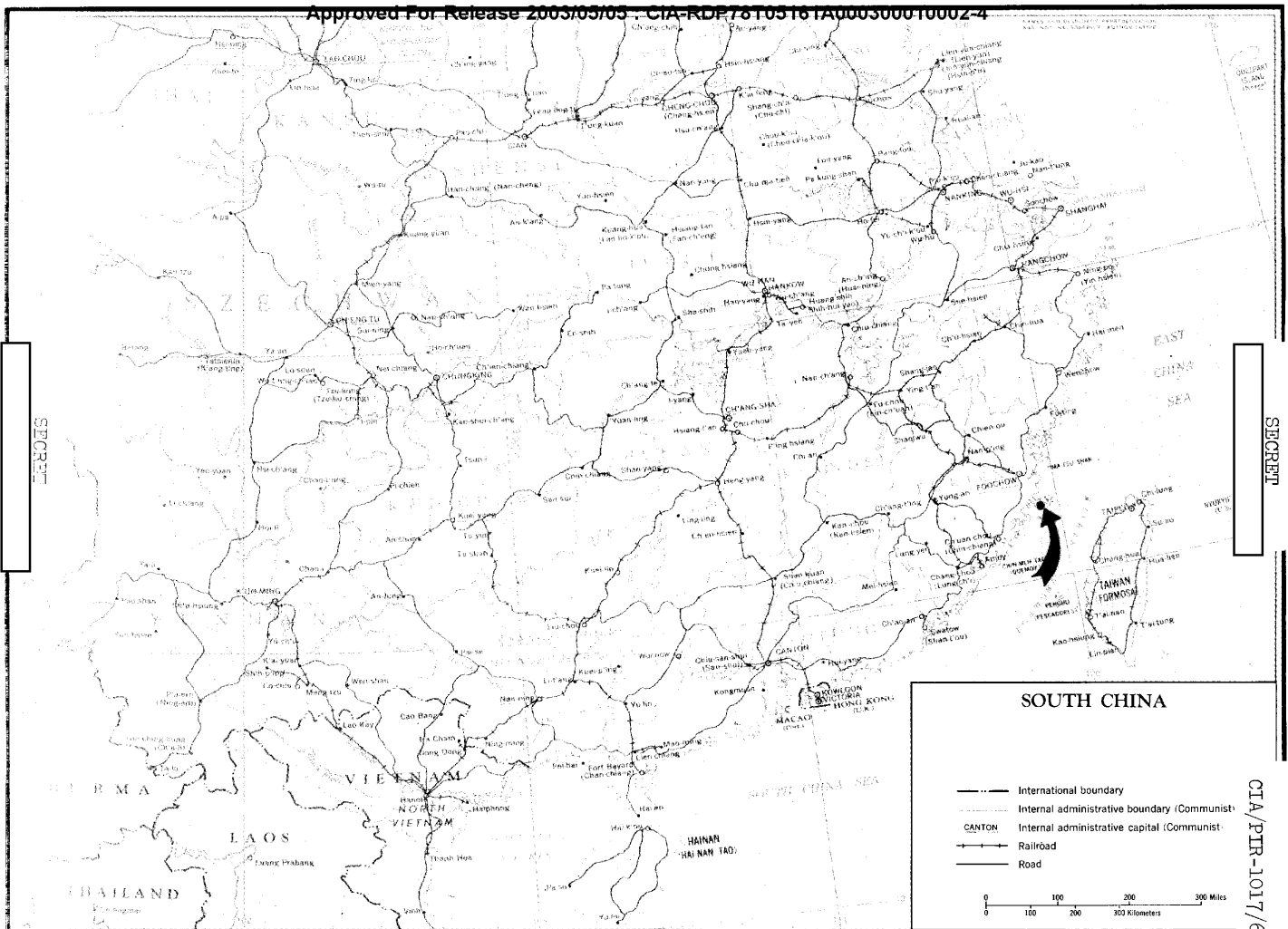
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TUNG-CHING-SHAN ELINT INTERCEPT SITE
25-25-00N 119-37-40E

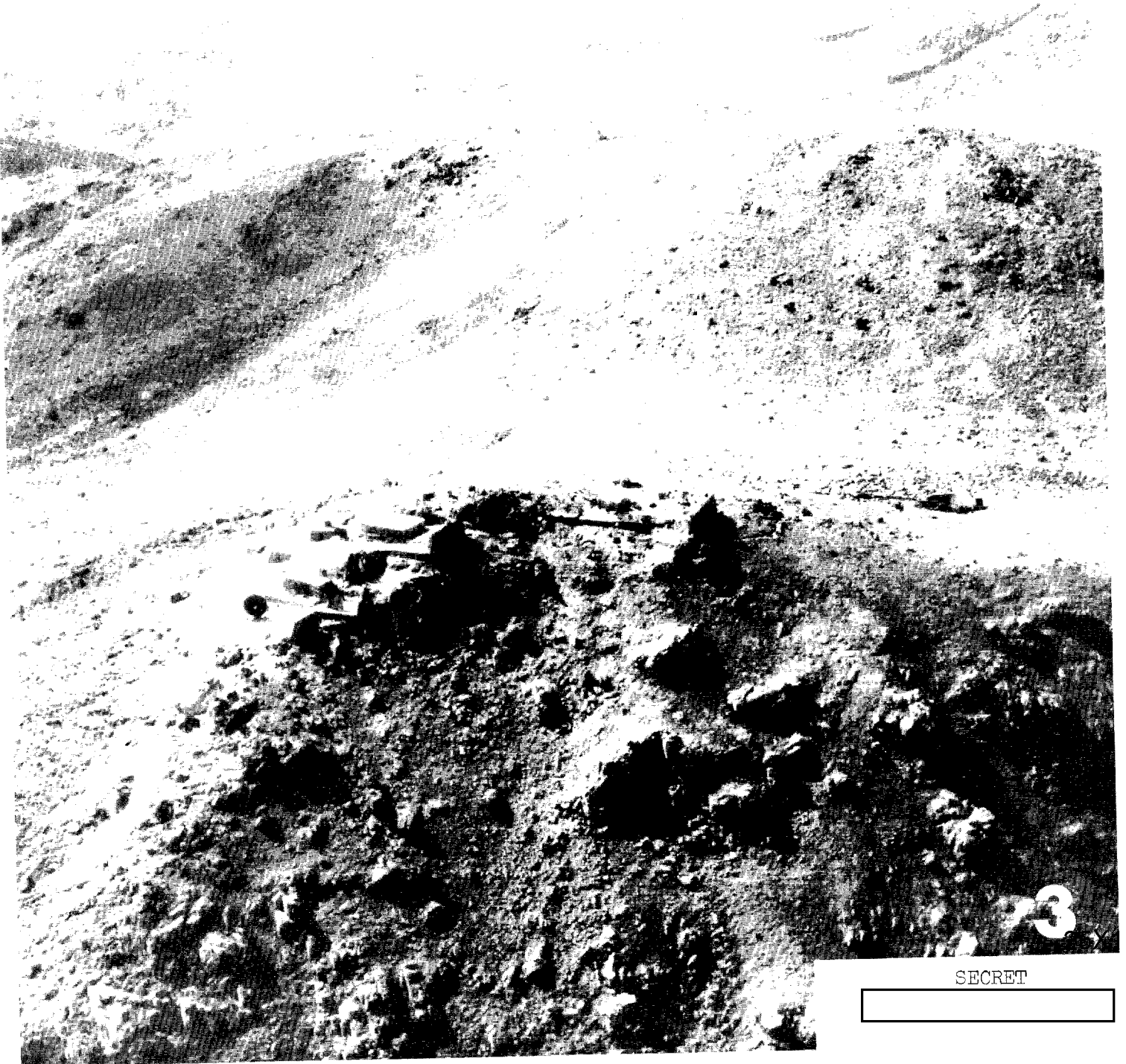
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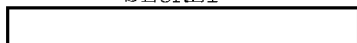
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TUNG-CHING-SHAN ELINT INTERCEPT SITE
25-25-00N 119-37-40E

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TUNG-CHING-SHAN ELINT INTERCEPT SITE
25-25-00N 119-37-40E

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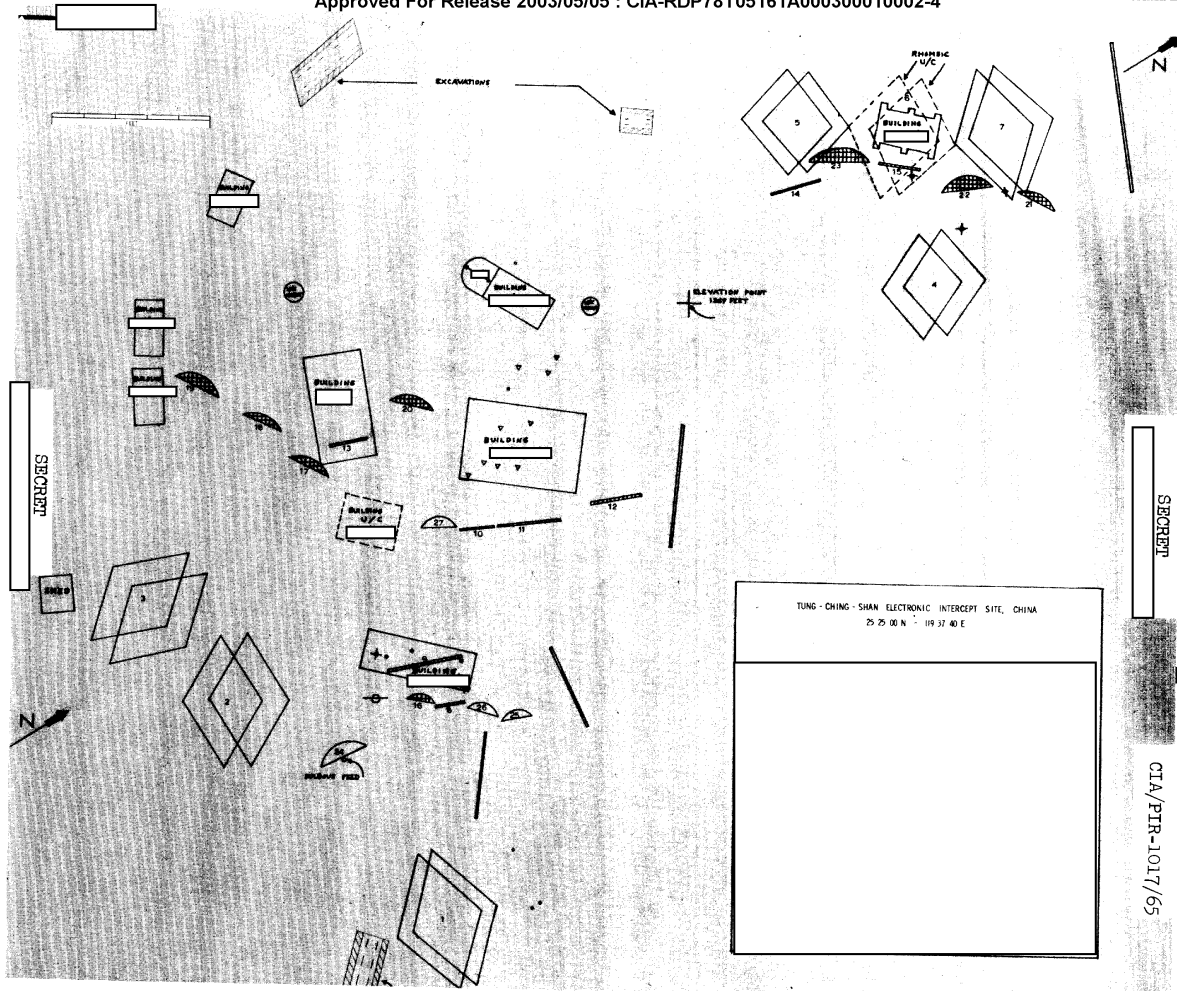
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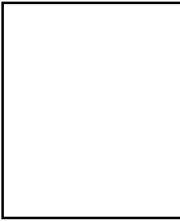





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MATTRESS ANTENNAS AND PARABOLIC DISH REFLECTORS KEYED TO FIGURE 5.

Mattress Antenna Number	Length \pm 10 percent (Feet)	Orientation \pm 5° (Degrees)
8		
9		
10		
11		
12		
13		
14		
15		
Parabolic Mesh Dish Reflector Number	Diameter \pm 10 percent	Orientation \pm 5°
16	10	
17	15	
18	15	
19	15	
20	15	
21	15	
22	15	
23	15	
Parabolic Solid Dish Reflector Number	Diameter \pm 10 percent	Orientation \pm 5°
24		
25		
26		
27		

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