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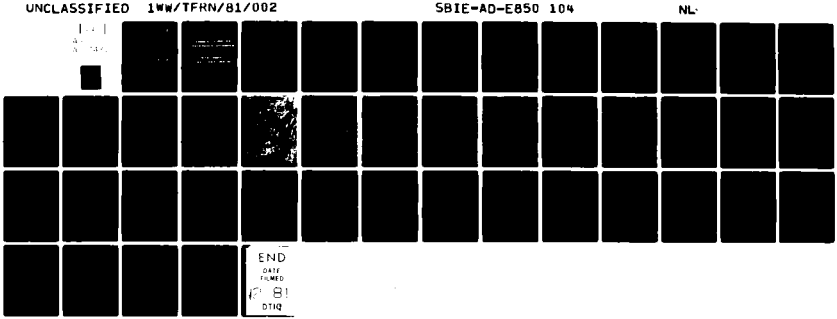

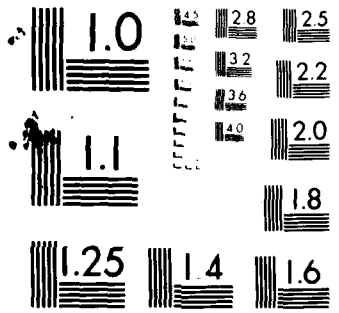

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TERMINAL FORECAST REFERENCE NOTEBOOK

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DETACHMENT 20
30TH WEATHER SQ

CAMP CASEY, REPUBLIC OF KOREA

(NOTE, THIS TFRN ALSO CONTAINS INFORMATION FOR CAMP STANLEY (OL-A) AND CAMP STANTON (OL-B))

Preparation Date: 1 AUGUST 1981

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)
This publication provides weather forecasting guidelines for Camp Casey, Camp Stanley, and Camp Stanton. All of which are located in the Republic of Korea. The types of guidelines contained in this study are: location, topography, local effects, weather impact on supported units, synoptic climatology, and terminal forecast work and preparation sheets. Also included are AWS Climatic Briefs for each station.

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Wayne E. McCollom

WAYNE E. MCCOLLOM, Chief
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FOR THE COMMANDER

Walter S. Burgmann

WALTER S. BURGMANN
AWS Scientific and Technical
Information Officer (STINFO)

28 OCT 1981

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SECTION A

LOCATION, TOPOGRAPHY, AND LOCAL EFFECTS

1. Geographical Location and Topography of the Republic of Korea.[1] The Republic, about the size of Indiana, covers 37,700 square miles. The climate of Korea is largely influenced by the world's largest land mass to the west and by the Pacific, the world's largest ocean, to the east.

a. The peninsula is bounded to the east by the East Sea (also known as the Sea of Japan), to the south by the Korea Strait (also known as the Straits of Tsushima), and to the west by the Yellow Sea. There are numerous rivers and smaller streams throughout the country. The largest river, the Han, consists of two major branches. The Puk (north branch) Han originates in the mountaineous Kwangwon-do province in the northwestern portion of the Republic. The Puk Han flows southwestward to Seoul where it is joined by the Nam (south branch) Han river. The Nam Han originates in Chungchong-Pukto province in the central portion of the country. From Seoul, the Han flows northwestward and empties into the Yellow Sea. The Imjin River also in the northern portion of the Republic, originates in north Korea. It flows southwestward along the Demilitarized Zone (DMZ) and joins the Han river about 20 miles northwest of Seoul. The Naktong river, which drains the relatively broad interior valley in the southern part of the Republic, originates from lake Andong in the east-central province of Kyongsang-Pukto. From there, the Naktong river flows southward and empties into the Korea Strait, just west of Pusan. Industry in Korea is still primarily agricultural with rice paddies throughout the nation providing a large moisture source during the summer months.

b. The Republic of Korea extends from north Korea, roughly along the 38th parallel, to 34° N (excluding Cheju Island). The terrain of Korea is irregular and, in general, very rugged. The major terrain feature is a long mountain chain, the Taebaek mountains, which extends longitudinally along the entire length of the peninsula. This mountainous backbone lies closer to the east coast than the west with peaks rising over 5000 feet in the central and southern parts. To the east, the mountains drop steeply to the coast. There is a more gradual decrease in elevation west of the range. Numerous rugged hills (peaks to 3000 feet) extend to the western coastline. The western and southeastern sectors of the nation consist of hills and plains which support most of the Republic's agricultural industry.

2. Geographical Location and Topography of Camp Casey. The post is located in northern Kyonggi-do (province) in the northwestern portion of the Republic. The heliport, H-220, at 37°55′N, 127°03′E is near the northwestern edge of the town of Tongduchon, 20 nautical miles north of Seoul, and 19 miles south-southwest of Chorwon which is near the Demilitarized Zone (DMZ). Tongduchon is located on the eastern boundary of a relatively lowland region in the northwestern corner of the Republic. Like most of Korea, however, the terrain around Camp Casey is characterized by irregularly oriented hills and valleys. Camp Casey lies in the center of the Sin Valley at an elevation of 196 feet. The Sin Valley, shaped like an

[1] US Navy Tech Report 77-03, The Environment of South Korea and Adjacent Sea Areas, in the unit TFRF, is an excellent reference for this subject

inverted "Y", extends northward from Seoul to the DMZ. The area around Tongduchon is primarily agricultural, consisting of small farms and rice paddies. These farms cover all tillable land leaving only the steeper, more rocky hills uncultivated. Land unsuitable for farming has been planted with pine trees which are 10 to 20 feet tall.

a. Sin Creek, immediately west of the heliport, flows northward into the Imjin River, 7 miles to the north. The Imjin River flows southeastward to the Imjin - Han River confluence, 25 miles west-southwest of Tongduchon. The Han River flows westward to the Yellow Sea. The main highway through Tongduchon, and the railroad parallel Sin Creek.

b. The highest terrain in the immediate vicinity of Camp Casey is a ridgeline to the east which roughly parallels the Sin Valley. The highest peaks in this range are: Soyo, 1726 feet, 1.6 miles to the northeast; Kuksa, 2474 feet, 4.5 miles east; Wangbang, 2418 feet, 5 miles east-southeast; and Haeryong, 2169 feet, 4.5 miles to the southeast. Mt. Torak, a relatively isolated peak, lies 5.7 miles to the south-southwest at 1447 feet. Mt Nogo, at 1316 feet and 7.5 miles to the southwest, is also isolated. Mt Kamak, elevation 2215 feet, is 4.5 miles west-northwest in the range of hills west of Tongduchon. Mt Mach'a, in a lower range of hills west of the Sin valley, is 2 miles northwest of the heliport at 1926 feet.

3. Location of Camp Casey Weather Equipment (see Fig 1) and Representativeness of Surface Observations. The weather station is in building T-2651 which is located at the south end of the heliport. The view from T-2651 to the north and south is relatively unobstructed. Ridges east and west of the heliport restrict the view in those directions.

a. The wind set, AN/GMQ-11, is 1/16 of a mile north of the weather station on top of a hanger (74 feet AGL) immediately west of the runway.

b. The instrument shelter, with psychrometer, is just outside of building T-2651. It is much too close to the building and also installed on a cement slab, however, no other suitable location within reasonable distance is available.

c. The rain gauge, ML-17, is adjacent to the instrument shelter.

d. The aneroid barometer, ML-102 D, is in the weather station.

e. The Ceiling light, ML-121, is 1/8 mile north of the weather station immediately west of the runway.

4. Camp Casey Local Effects.

a. Mountains northwest and northeast through southeast of Tongduchon afford Camp Casey shelter from storms from those directions. The area from southeast through west is relatively open.

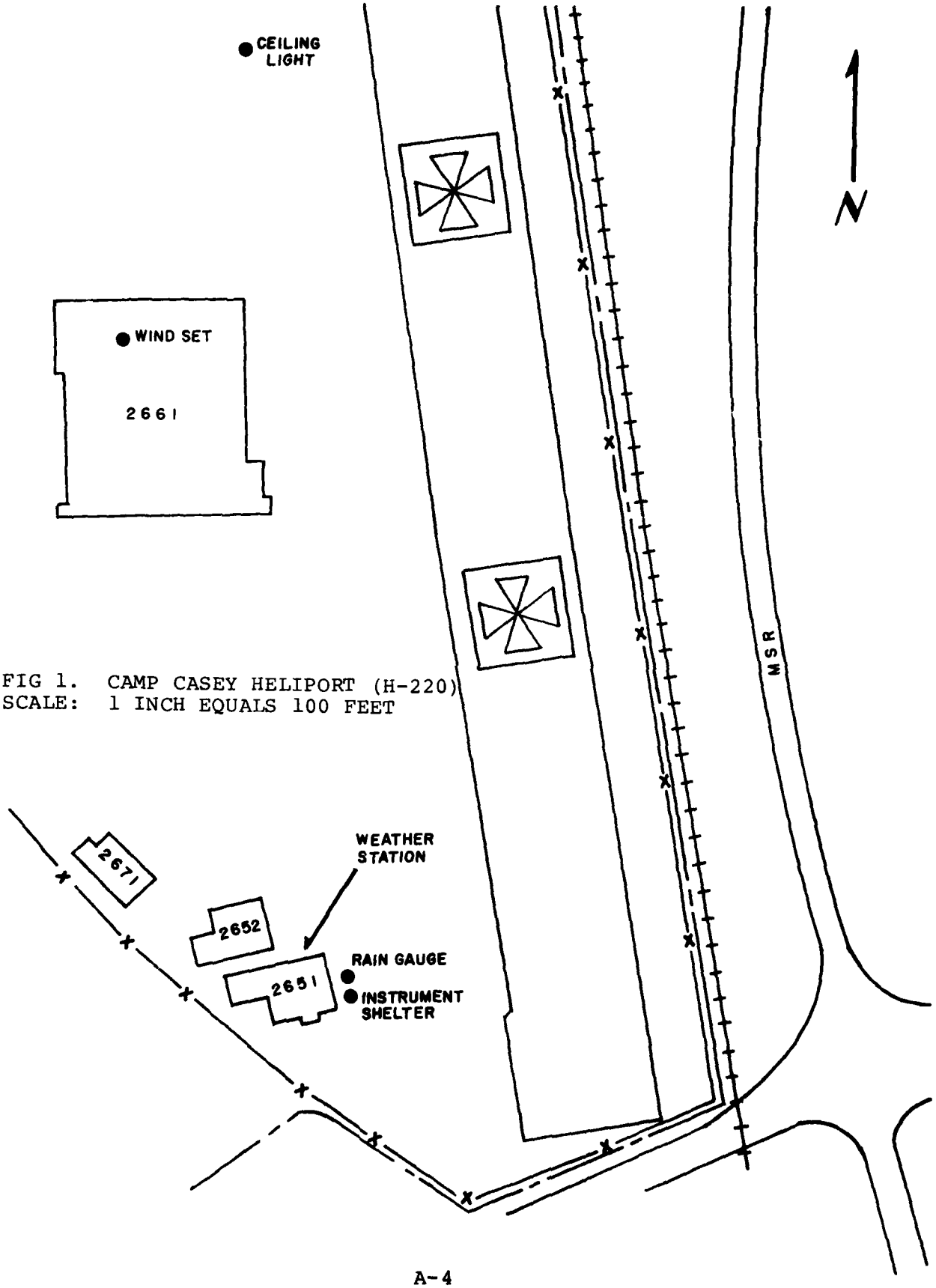


FIG 1. CAMP CASEY HELIPORT (H-220)
SCALE: 1 INCH EQUALS 100 FEET

b. Nearby streams and rice paddies provide an ample source of moisture for radiation fog formation.

c. Smoke and haze from Tongduchon industrial sources, and smoke from local home heating units tend to reduce visibility, particularly during fall months when strong, low-level inversions form. Of particular significance in the fall and winter months, is the common occurrence of dense fog (below minimums) at the main heliport (H-220) while at the same time the visibility is significantly higher (VFR) at the 2ID CG's helipad (H-221), located only 1.8 miles east-northeast.

5. Geographical Location and Topography of Camp Stanley. This post is located in central Kyonggi-do (province) in the northwestern portion of the Republic. The heliport, H-207, at 37° 43′ N 127° 04′ E is immediately north of a small village (unnamed), 2½ nautical miles southeast of Uijongbu, 12 miles south-southeast of Camp Casey, and about 7 miles north-northeast of the city limits of Seoul. Camp Stanley lies in the narrow, southern end of the Uijongbu Valley just west of the major interior plateau region of the Republic at an elevation of 234 feet. Most of the surrounding hills have some forest cover of small (10 to 15 foot) pine trees.

a. Camp Stanley is between the Sin Creek, 2.2 miles to the west, and the Wangsuk Creek 3 miles to the east. There are numerous small streams (wet season) and rice paddies northwest through southeast of the heliport. Highway 312, north of the post, runs northwest to Uijongbu.

b. Camp Stanley is generally surrounded by mountains. The nearest is an isolated 692 foot peak, Puyong-san, just 1 mile north of the post. There is a north-south range just east with peaks: Yongam-san at 1568 feet, 3.1 miles northeast; Sari-bong at 1762 feet, 2.7 miles east-northeast; Chongyon-san at 1289 feet, 3 miles east-southeast; and Taemae-san at 1194 feet, 2,8 miles southeast. Kuksa-bong (not the same as the peak east of Tongduchon described on page A-3) at 1106 feet is 1.8 miles southeast. Mt Surak, at 2093 feet and 1.6 miles southwest, is the tallest peak in the range west of Camp Stanley. Tobong-san, at 2352 feet and 4 miles west-southwest, and Sap'ae-san, at 1801 feet and 4.2 miles west, are the majcr peaks in the range west of the Sin Creek.

6. Location of Camp Stanley Weather Equipment (see Fig 2) and Representativeness of Surface Observations. The weather station is in building 2524, 250 feet southwest of the middle of the runway. The view near the weather station is obstructed in all directions by surrounding buildings.

a. The wind set, AN/GMQ-11, is located 375 feet northwest of the weather station on top of the control tower (50 feet AGL) at the northwest end of the runway. Due to the location of the wind set and lack of readout equipment at the weather station, winds are recorded as "estimated". The Beaufort wind scale is employed during the hours the tower is not open.

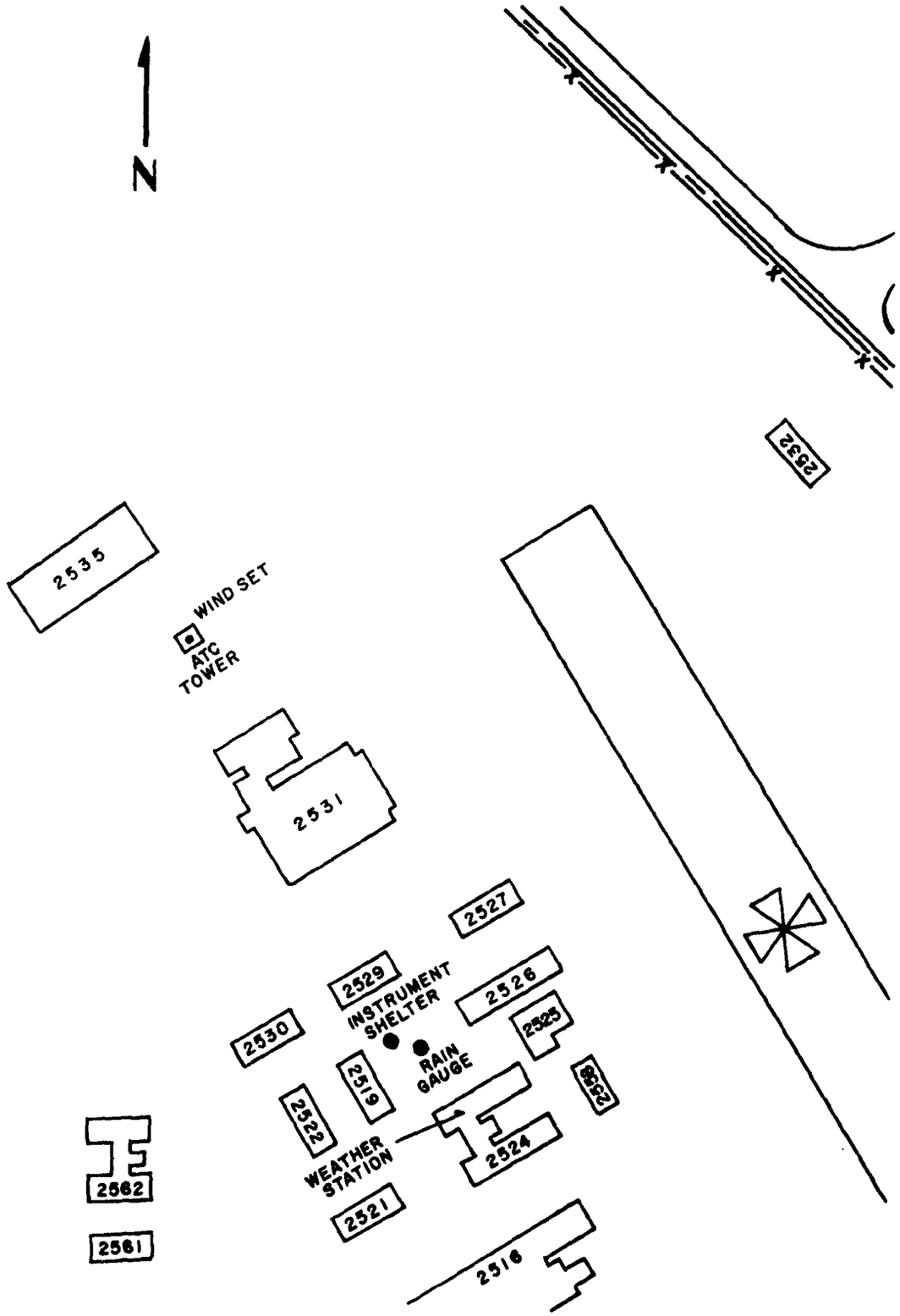


FIG 2. CAMP STANLEY HELIPORT (H-207)
SCALE: 1 INCH EQUALS 100 FEET

b. The instrument shelter with psychrometer is 60 feet northwest of the weather station.

c. The rain gauge, ML-17, is adjacent to the instrument shelter.

d. The aneroid barometer, ML-102 D, is in the weather station.

7. Camp Stanley Local Effects. Visibility is more often restricted to the north and northwest due to fog and haze in the Uijongbu and Tongduchon valleys. Fog is also common in the Pochon valley and at H-202 shortly after heavy rainfall.

8. Geographical Location and Topography of Camp Stanton. The camp is located in northwestern Kyonggi-do (province) in the northwestern portion of the Republic. The heliport, H-112 at 37° 47′N 126° 51′ E, is located on the outskirts of the village of Sinsan-ni, 0.5 nautical miles north of Tonggo-ri, 17 miles southeast of Kaeson, north Korea, and about 15 miles northwest of Seoul. Camp Stanton is on the eastern boundary of the northwestern coastal plains of the Republic. The plain extends from the mountains to the east of the post, to the Han river to the south and west, and to the Imjin River to the north and west. The area around the post consists primarily of low hills and rice farms. Reforestation projects in the early 70's have covered most of the hills in the area with 10 to 15 foot pine trees.

a. The Munsan Creek, just west of the heliport, flows northward to the Imjin River at Munsan, 5 miles northwest of Camp Stanton. The Imjin River flows southwestward along the DMZ to the Han - Imjin confluence 7 miles west of Sinsan-ni. The Han River flows northwestward from Seoul and empties into the Yellow Sea. Highway 312, from Seoul to Munsan, is oriented north-south just east of the post.

b. Except for the range to the east of Camp Stanton, most of the peaks are isolated and fairly low. Kumbyong-san, at 961 feet, is 2.1 miles northeast. Mt Paktal, in a small range to the southeast, is 3 miles southeast with an elevation of 1211 feet. Wollong-san, at 807 feet, is 4.5 miles west. Pongso-san, at 709 feet, is 3.3 miles to the northeast. Principle peaks in the range to the east are: Nogo-san, 1316 feet, 5.3 miles northeast; Umbong-san, 1342 feet, 4.2 miles east; Unbong-san, 823 feet, 4.5 miles east-southeast; Mt Aengmu, 2041 feet, 4.5 miles southeast; and Kaemyong-san, 1788 feet, 5.2 miles southeast.

9. Location of Camp Stanton Weather Equipment (see Fig 3) and Representativeness of Surface Observations. The weather station, in building T-17, is located east of the center of the runway. The view from the weather station to the south through north-northeast is unobstructed. The village east of the airfield partially blocks the view north-northeast through south.

a. The wind set, AN/GMQ-11, is 50 feet south of the weather station on top of the ATC tower (35 feet AGL) immediately east of the runway.

b. The instrument shelter, with psychrometer, is 180 feet south of the weather station just east of the runway.

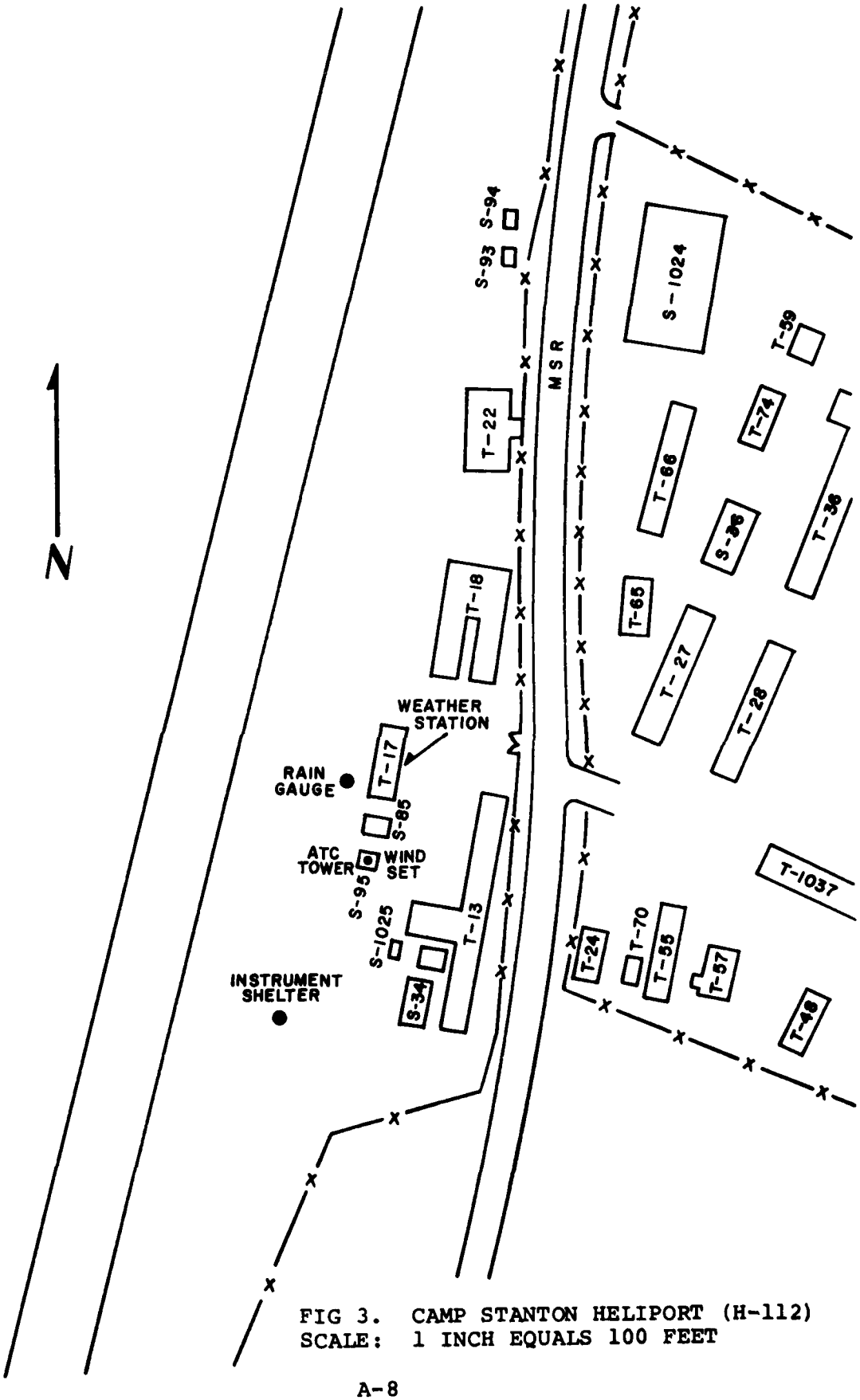


FIG 3. CAMP STANTON HELIPORT (H-112)
SCALE: 1 INCH EQUALS 100 FEET

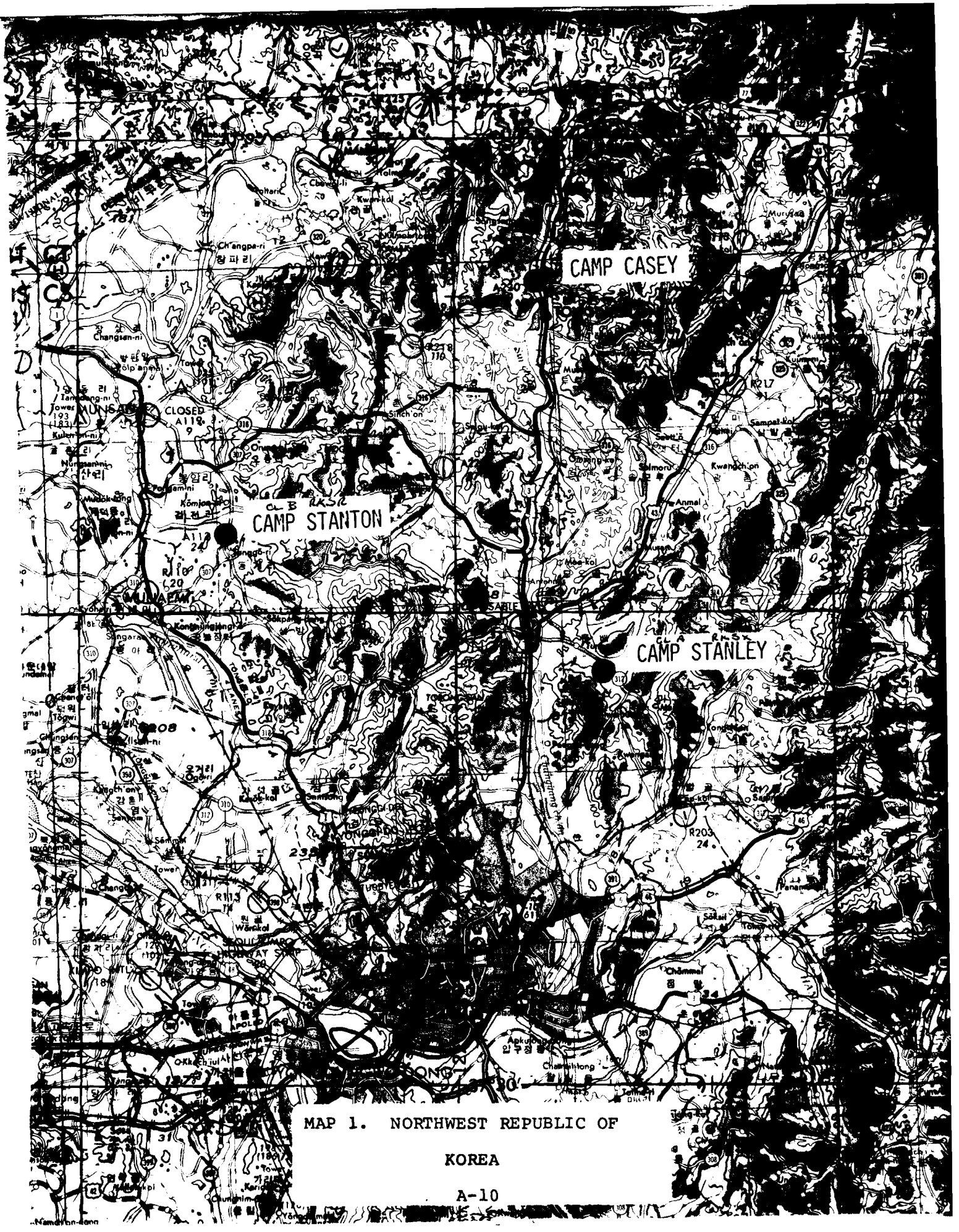
c. The rain gauage, ML-17, is adjacent to the weather station.

d. The aneroid barometer, ML-102 D, is in the weather station.

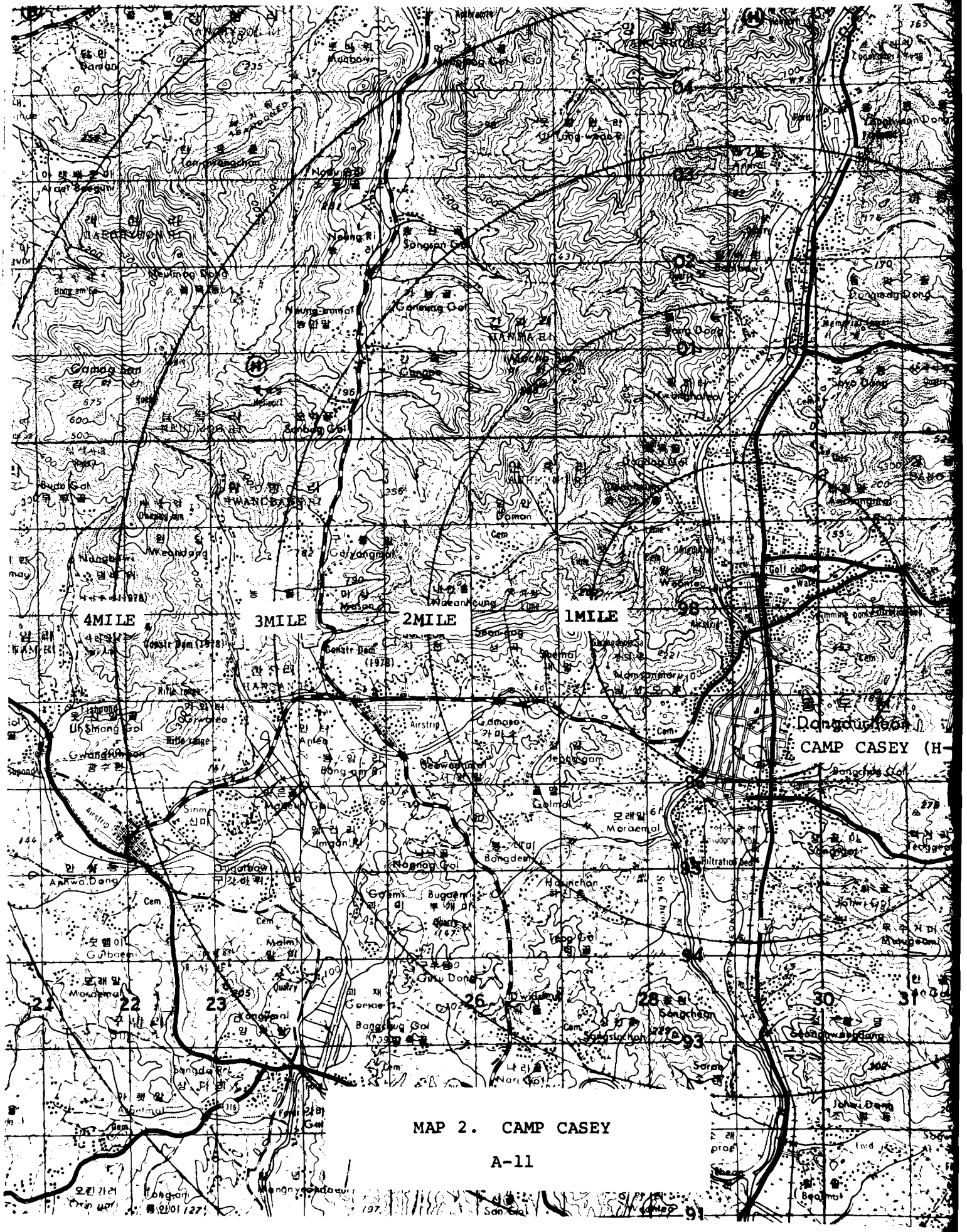
10. Camp Stanton Local Effects.

a. Nearby streams and rice paddies provide an ample source of moisture for radiation fog formation.

b. Smoke from local home heating units tends to reduce visibility, particularily during the winter months, but lack of industry in this area results in better visibility than at Camp Casey or Camp Stanley.



MAP 1. NORTHWEST REPUBLIC OF KOREA



MAP 2. CAMP CASEY

CAMP CASEY (H-220)
Dongducheon
DEODONG RI
SAMJEONG RI
BANGBONGAM RI
GEUMSAN RI
BWANGSAMRI
TABDONG RI
SEORUN RI
BONGYANG RI
NONGJOYO RI
SINGOG RI
GORONG RI
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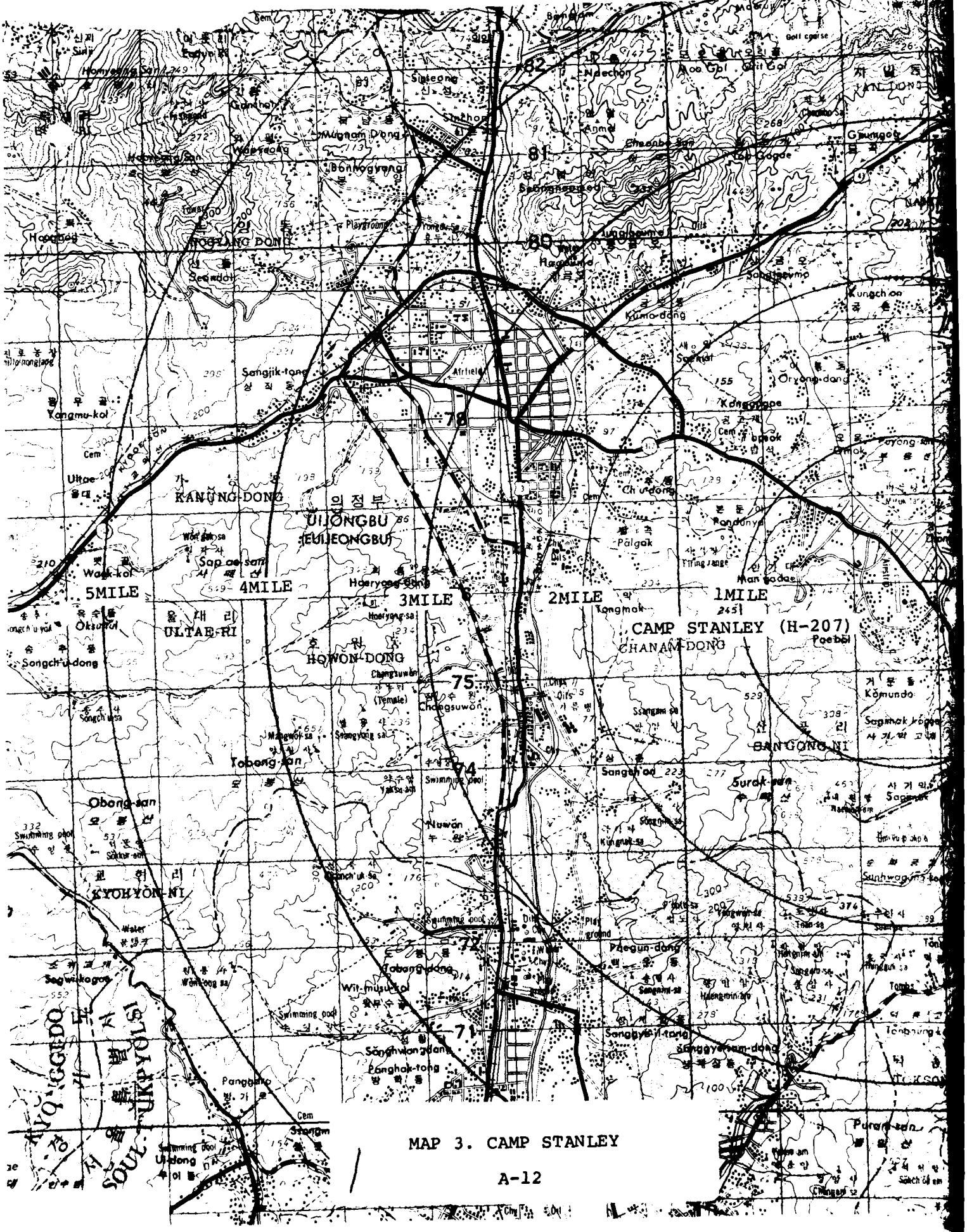
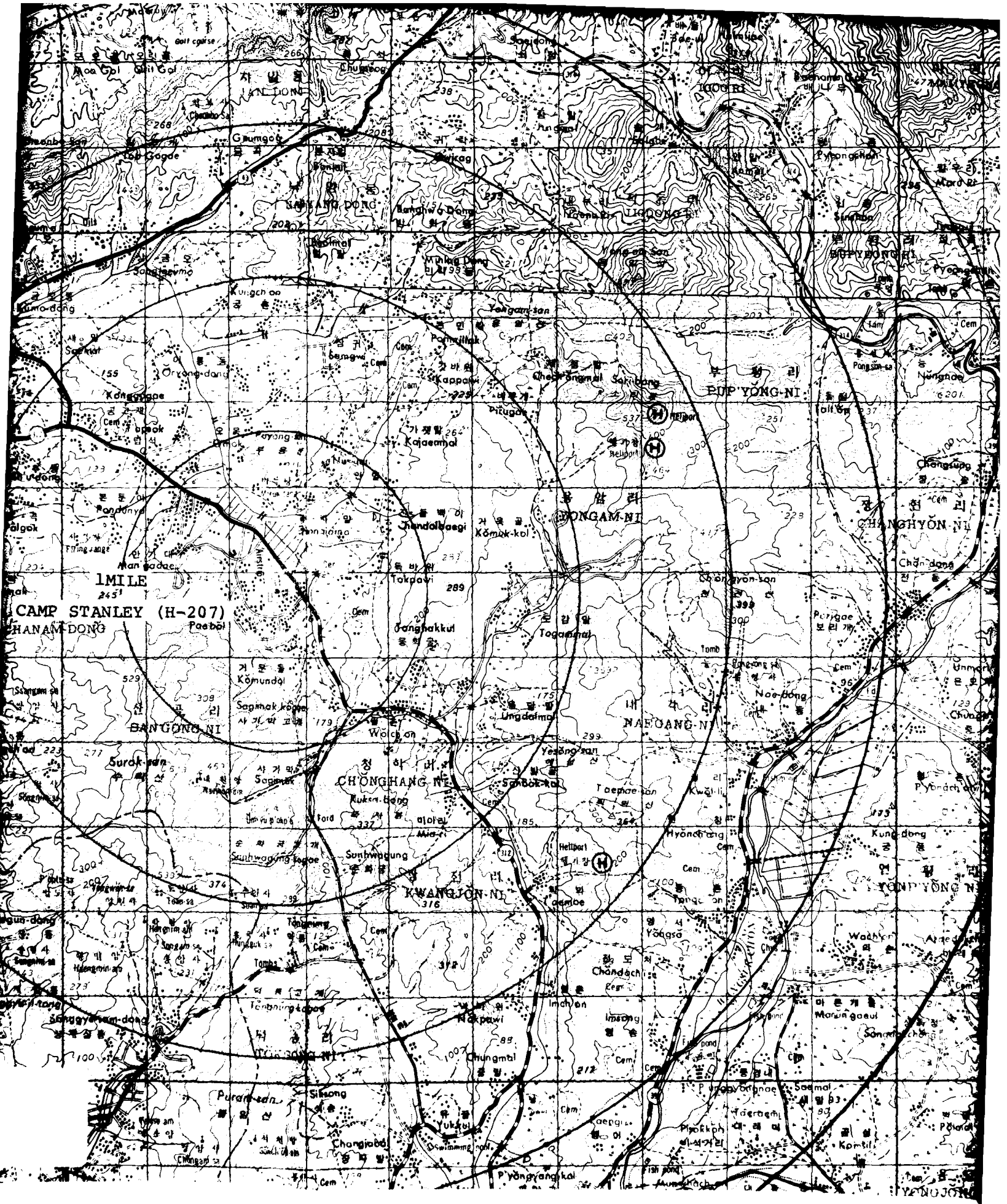
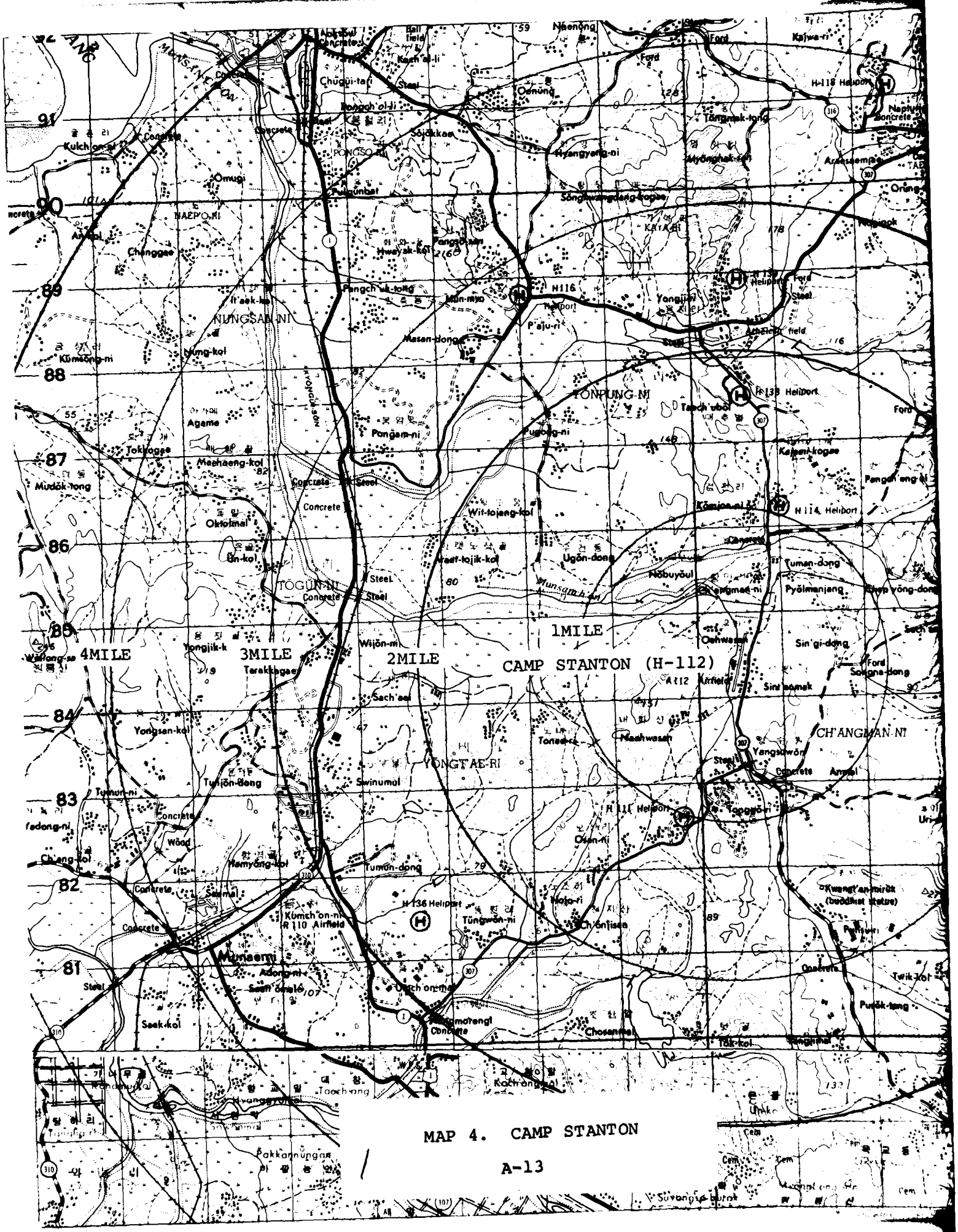
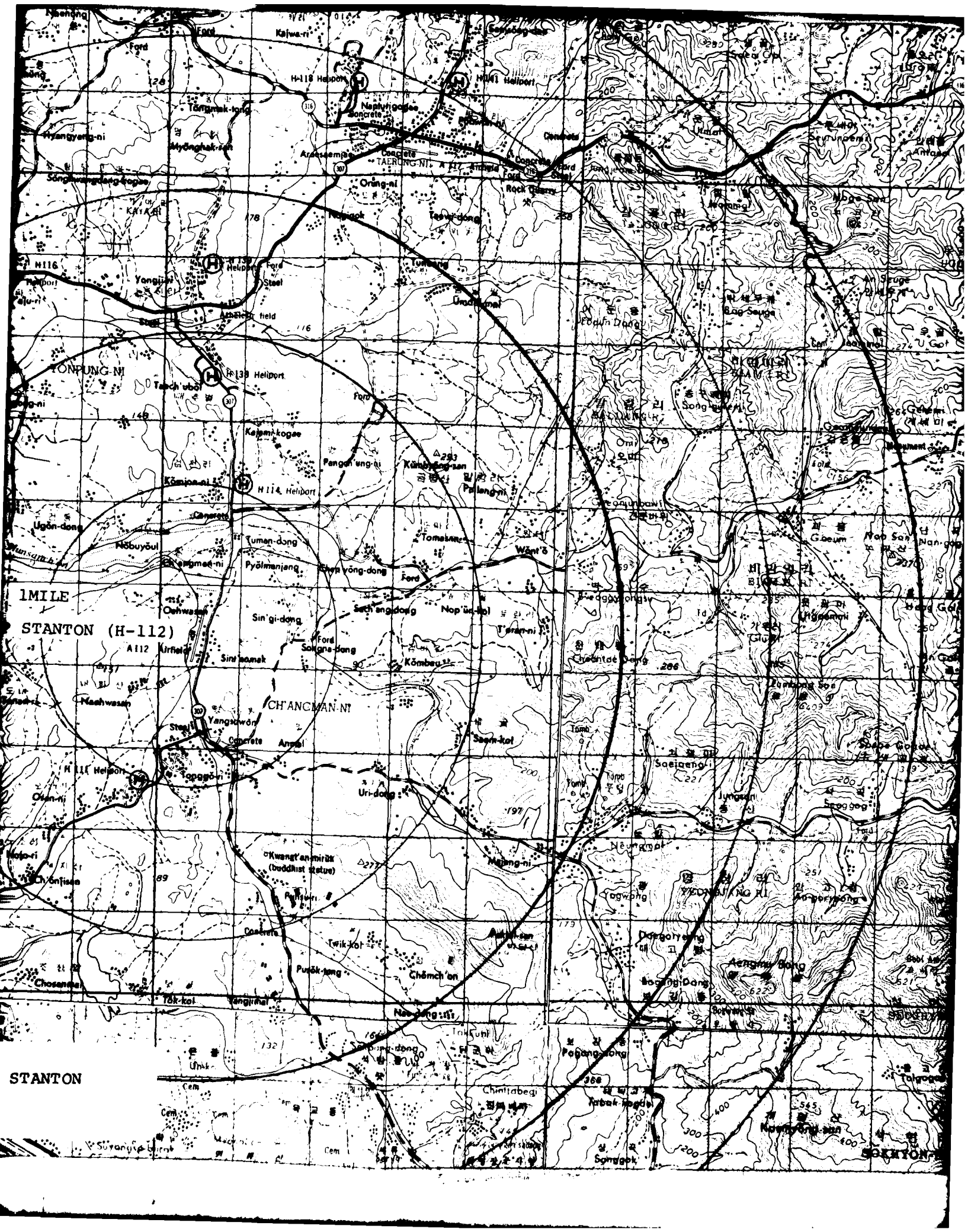


MAP 3. CAMP STANLEY


CAMP STANLEY (H-207)
1MILE
PUP'YONG-NI
YONGAM-NI
CHANGHYON-NI
NAEGANG-NI
BANGONG-NI
CHONGHANG-NI
KWANGJON-NI
YONGP'YONG-NI
Heliport



MAP 4. CAMP STANTON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STANTON (H-112)
STANTON
H-118 Heliport
H-111 Heliport
H-116
H-139 Heliport
H-138 Heliport
H-114 Heliport
H-111 Heliport
TAERONG-NI
YONPUNG-NI
CH'ANGMAN-NI
Kajwa-ri
Naehwasan
Yangsuwon
Tapgo-ri
Uri-dong
Kwang'an-miruk
(buddhist statue)
Mujang-ni
Chŏmch'on
Tok-kol
Naedong-ni
Pangang-dong
Tabak-kogae
Sokkyon-ri
Kŭmbyŏng-san
Kŏmjon-ni
Pangch'ung-ni
Kŭmbyŏng-san
Tumen-dong
Pyŏlmenjang
Sin'gi-dong
Sich'ang-dong
Nop'ŭn-kol
Sokgna-dong
Kŏmbau
Sinsamak
Twik-kol
Puŏk-tong
Chosanmal
Ugŏn-dong
Nŏbuyŏul
Ch'ŏnjisan
Ch'ŏnjisan
Ch'ŏnjisan

SECTION B

WEATHER IMPACT ON SUPPORTED UNITS
(AIRCRAFT SUPPORTED)

Note: Support requirements to local organizations which have a mission degradation due to weather are outlined in Det 20's weather support plan.

Units Supported:

a. 2nd AVN BN

b. 4/7 Cavalry; Divarty Avn

c. HQ 2nd Infantry Division

d. 377th Med Co.

1. a. Unit Supported: 2nd AVN BN

b. Mission: Aviation support to the 2nd Infantry Division.

c. Systems/Aircraft assigned:

(1) UH 1 helicopter

(2) OH 58 helicopter

d. Weather Elements Critical to Mission Accomplishment:

(1) Surface Winds at H220

(a) Greater than 20 KTS (MAX for practice Autorotations)

(b) Greater than 30 KTS (MAX tailwind Component)

(c) Greater than 35 KTS with crosswind component

(d) Greater than 40 KTS sustained (MAX allowable for parked, unsheltered ACFT)

(e) Gust spread over 15 KTS

(f) Ceilings/vsby less than 500 ft/½ mile (take off/landing minimums)

2. a. Unit supported: 4/7 Cavalry; Divarty AVN

b. Mission:

(1) 4/7 Cavalry; perform recon and intelligence information for the 2ID.

(2) Divarty Avn; provide aviation support to Divarty commander, including aerial observation and support for the Division Artillery.

c. Systems/Aircraft Assigned:

(1) UH 1 helicopter

(2) AH 1 helicopter

(3) OH 58 helicopter

d. Weather Elements Critical to Mission Accomplishment:

(1) UH 1

(a) Icing: Moderate

(b) Turbulence: Severe

(2) OH 58

(a) Icing: Must avoid all ICING conditions

(b) Turbulence: Severe

(3) AH 1

(a) Icing:

(b) Turbulence:

(4) Takeoff/Landing Minimums

(a) H 112: Ceiling: 500 Ft

Visibility: 1 mile

(b) H 207: Ceiling: 500 Ft

Visibility: 1 mile

3. Unit Supported: HQ 2nd Infantry Division Command Section

See SOPs for support provided to HQ 2ID.

4. a. Unit Supported: 377th Med CO (DUSTOFF MORTH)

b. Mission: Emergency medical evacuation of personnel

c. Systems/aircraft assigned:

UH 1 helicopter

d. Weather elements critical to mission accomplishment:

(1) Icing: Moderate

(2) Turbulence: Severe

(3) Takeoff/landing minimums: 500/1; these minimums can be waivered by the Company Commander depending on the nature of the emergency.

CHARACTERISTICS

Type aircraft: UH-1, "Huey"/"Iroquis", helicopter.

1. True airspeed and normal cruise altitude: 90 kts and 500 to 4000 ft.

2. Air refueling capability: No

3. Average flight time capability without refueling: 2 + 30

4. Limitations of operation:

   a. Icing: Operates in trace icing conditions.

   b. Turbulence: Operates in up to moderate turbulence.

5. Airborne severe weather avoidance capability: No

6. Critical takeoff and landing elements:

   a. Maximum prevailing wind: 35 kts.

   b. Maximum cross wind: N/A.

   c. Maximum gust spread: 15 kts.

   d. Minimum cig/vsby: 200 ft and ½ mi

CHARACTERISTICS

Type aircraft: OH-58 "Kiows"/"Sky-Scooter", helicopter.

1. True airspeed and normal cruise altitide: 90 kts and 200 to 3000ft.

2. Air refueling capability: No.

3. Average flight time capability without refueling: 3 + 00

4. Limitations of operation:

   a. Icing: Avoids all icing conditions.

   b. Turbulence: Operates in up to light turbulence.

5. Airborne severe weather avoidance capability: No.

6. Critical takeoff and landing elements:

   a. Maximum prevailing wind: 45 kts.

   b. Maximum cross winds: N/A

   c. Maximum gust spread: 15 kts.

   d. Minimum cig/vsby: 500 ft/1 mile

CHARACTERISTICS

Type aircraft: AH-1, "Hueycobra"/"Cobra,: helicopter.

1. True airspeed and normal cruise altitude: 90 kts and 200 to 300ft.

2. Air refueling capability: No

3. Average flight time capability without refueling: 3 + 00.

4. Limitations of operation:

   a. Icing: Avoids all icing conditions.

   b. Turbulence: Operates in up to light turbulence.

5. Airborne severe weather avoidance capability: No

6. Critical takeoff and landing elements:

   a. Maximum prevailing wind: 30 kts

   b. Maximum cross wind: N/A

   c. Maximum gust spread: 15 kts

   d. Minimum cig/vsby: 500 ft and 1 mi

SECTION C

SYNOPTIC CLIMATOLOGY

SYNOPTIC CLIMATOLOGY

NONE AVAILABLE AT THIS TIME

SECTION D

RULES OF THUMB (ROTS)

RULES OF THUMB

NO APPROVED ROTS ON FILE

SECTION E

FORECAST STUDIES

FORECAST STUDIES

NO APPROVED FORECAST STUDIES ON FILE

SECTION F

CLIMATOLOGICAL DATA

AWS CLIMATIC BRIEF

Prepared by ETAC (MAY 1968)

TONGDUCHON/A-220 AF, SO. KOREA — N 37 55 — E 127 03

PERIOD: 1953-67B — ELEVATION: 196 ft

WBAN # 43245
WMO #
STN LTRS:

MONTH	TEMPERATURE (°F) EXTREME MAXIMUM	MEAN DAILY MAXIMUM	MEAN DAILY MINIMUM	EXTREME MINIMUM	PRECIPITATION (in) MEAN TOTAL	MAXIMUM IN 24 HOURS	MEAN SNOWFALL	MAX SNOWFALL IN 24 HOURS	WIND (KT) PREVAILING DIRECTION	MEAN SPEED	EXTREME SPEED (MAXIMUM)	MEAN RELATIVE HUMIDITY (%) 0400	1300	DEW POINT (°F)	VAPOR PRESSURE (in Hg)	PRESSURE ALTITUDE (ft) 99.95%	MEAN NUMBER OF DAYS PRECIP ≥ 0.01	PRECIP ≥ 0.5	SNOWFALL ≥ 0.1	SNOWFALL ≥ 1.5	THUNDERSTORMS	FOG	TEMPERATURE (°F) MAXIMUM ≥ 90	≥ 80	MINIMUM ≤ 32	≤ 0	MEAN CLOUD (TENTHS)
JAN	52	31	17	-15	0.7	0.4	7	3	N	4	21	74	58	13	.07	450	6	0	7	1	0	7	*	*	*	*	4
FEB	58	37	21	-7	1.7	1.1	*	*	N	4	21	78	56	20	.10	450	6	1	*	*	0	6	*	*	*	*	5
MAR	70	48	31	9	1.5	2.5	#	#	N	5	27	82	53	29	.16	600	8	1	0	0	#	9	*	*	*	*	6
APR	83	62	44	23	2.4	1.4	0	0	SW	5	33	85	50	40	.25	700	7	3	0	0	0	10	*	*	*	*	6
MAY	92	74	54	33	2.0	1.0	0	0	SW	5	33	87	48	50	.36	750	7	1	0	0	#	10	*	3	*	*	6
JUN	98	79	62	49	6.7	4.5	0	0	S	4	21	89	57	61	.54	750	12	4	0	0	#	11	*	11	*	*	7
JUL	102	83	71	51	16.6	6.0	0	0	S	4	27	92	70	71	.76	800	18	9	0	0	1	18	*	*	*	*	8
AUG	102	85	72	57	9.0	6.8	0	0	S	4	33	92	65	71	.76	750	10	5	0	0	1	17	*	*	*	*	8
SEP	92	77	59	39	9.1	4.7	0	0	N	4	27	92	58	59	.50	700	8	5	0	0	#	15	*	*	*	*	6
OCT	84	66	46	25	2.0	1.4	0	0	N	3	27	91	53	46	.31	550	8	1	0	0	#	19	*	*	*	*	5
NOV	74	51	35	9	0.9	0.9	#	1	N	4	21	85	57	34	.20	450	4	1	#	0	#	15	*	*	*	*	5
DEC	60	37	22	-5	0.8	0.8	1	2	N	3	27	78	60	21	.11	400	4	1	#	#	0	12	*	*	*	*	5
ANN	102	61	45	-15	53.4	6.8	*	*	N	4	33	85	57	43	.28	800	98	32	*	*	3	149	*	*	*	*	6
EYR	14	14	14	14	7	4	9	1	14	14	14	14	14	14	14	14	7	7	9	9	11	11	*	*	*	*	14

REMARKS

POR: Hourly Obs May-Jun 53, Nov 53-Aug 67 - Daily Obs May-Jun 53, Nov 53-Dec 65, Feb-Oct 66

NOTE; *DATA NOT AVAILABLE. #LESS THAN 0.5 DAY, 0.5 OR 0.05 INCH, OR 0.5 PERCENT (%) AS APPLICABLE.

FLYING WEATHER (% FREQ)	HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	EYR
CIG less than 3000 feet and/or VSBY less than 3 miles	00-02	*	*	*	*	11	20	*	*	*	*	*	*	*	1
	03-05	19	21	22	27	23	30	60	50	32	31	21	20	30	14
	06-08	31	34	32	31	20	33	61	46	32	32	26	26	34	14
	09-11	31	27	22	20	14	27	51	37	18	9	15	23	25	14
	12-14	18	14	20	18	13	26	51	34	18	6	10	13	20	14
	15-17	14	13	18	18	12	19	42	28	16	6	9	14	17	14
	18-20	*	*	40	0	12	12	*	*	*	*	*	*	*	1
	21-23	*	*	*	*	11	15	*	*	*	*	*	*	*	1
	ALL HOURS	*	*	*	*	15	26	*	*	*	*	*	*	*	
CIG less than 1500 feet and/or VSBY less than 3 miles	00-02	*	*	*	*	8	9	*	*	*	*	*	*	*	1
	03-05	14	12	12	18	15	17	40	30	19	26	15	11	19	14
	06-08	24	26	22	21	13	19	36	26	20	27	20	17	23	14
	09-11	25	19	12	11	6	9	21	10	5	4	8	15	12	14
	12-14	9	6	7	8	6	5	14	6	3	1	2	6	6	14
	15-17	8	5	8	7	5	4	13	5	3	1	3	6	6	14
	18-20	*	*	0	0	11	1	*	*	*	*	*	*	*	1
	21-23	*	*	*	*	10	0	*	*	*	*	*	*	*	1
	ALL HOURS	*	*	*	*	8	10	*	*	*	*	*	*	*	
CIG less than 1000 feet and/or VSBY less than 2 miles	00-02	*	*	*	*	6	1	*	*	*	*	*	*	*	1
	03-05	4	5	8	10	10	9	21	19	13	16	8	6	11	14
	06-08	14	16	12	14	8	10	20	16	14	19	12	10	14	14
	09-11	17	12	7	7	3	4	10	4	3	2	3	9	7	14
	12-14	5	2	4	5	3	3	7	3	1	#	1	3	3	14
	15-17	5	3	4	5	3	2	7	3	1	#	2	3	3	14
	18-20	*	*	0	0	10	0	*	*	*	*	*	*	*	1
	21-23	*	*	*	*	7	0	*	*	*	*	*	*	*	1
	ALL HOURS	*	*	*	*	5	5	*	*	*	*	*	*	*	
CIG less than 200 feet and/or VSBY less than ½ mile	00-02	*	*	*	*	0	0	*	*	*	*	*	*	*	1
	03-05	#	1	1	3	3	2	2	6	5	7	4	2	3	14
	06-08	2	1	1	2	1	1	1	4	4	8	6	3	3	14
	09-11	2	1	#	#	0	0	#	#	0	#	1	1	#	14
	12-14	#	#	#	0	#	0	0	#	0	0	0	#	0	14
	15-17	1	1	#	#	0	0	#	#	0	0	#	#	#	14
	18-20	*	*	0	0	0	0	*	*	*	*	*	*	*	1
	21-23	*	*	*	*	0	0	*	*	*	*	*	*	*	1
	ALL HOURS	*	*	*	*	1	#	*	*	*	*	*	*	*	

AWS FORM NOV 67 62

AWSP 105-4, VOL VII

AWS CLIMATIC BRIEF ADDENDUM — TONGDUCHON/A-220 AF, SO. KOREA — PERIOD: 1953-67E — WBAN # 43245

Prepared by ETAC (MAY 1968) — N37°55' E127°03' — ELEVATION: 196 ft — WMO # — STN LTRS:

FLYING WEATHER	HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	EYR
mean number of days CIG equal to or greater than 10000 feet and VSBY equal to or greater than 6 miles	00-02	*	*	*	*	20	14	*	*	*	*	*	*	*	1
	03-05	14	11	11	11	13	11	4	6	11	9	10	13	124	14
	06-08	8	7	8	9	13	11	5	7	10	8	8	10	104	14
	09-11	9	10	15	16	21	16	9	13	18	18	14	12	171	14
	12-14	18	18	19	19	22	15	9	12	18	23	20	19	212	14
	15-17	20	19	20	20	23	17	11	14	20	24	20	18	226	14
	18-20	*	*	12	*	22	22	*	*	*	*	*	*	*	1
	21-23	*	*	*	*	23	17	*	*	*	*	*	*	*	1
	ALL HOURS	*	*	*	*	19	14	*	*	*	*	*	*	*	
mean number of days CIG equal to or greater than 5000 feet and VSBY equal to or greater than 6 miles	00-02	*	*	*	*	25	18	*	*	*	*	*	*	*	1
	03-05	14	11	12	12	16	13	5	7	12	10	11	13	136	14
	06-08	8	7	8	10	15	13	6	9	12	10	10	10	118	14
	09-11	10	11	16	18	22	17	11	15	20	20	15	12	187	14
	12-14	19	19	20	20	24	17	10	14	20	25	22	20	230	14
	15-17	21	20	21	21	25	20	13	16	21	25	22	19	244	14
	18-20	*	*	12	*	25	25	*	*	*	*	*	*	*	1
	21-23	*	*	*	*	25	23	*	*	*	*	*	*	*	1
	ALL HOURS	*	*	*	*	21	17	*	*	*	*	*	*	*	
mean number of days CIG equal to or greater than 1000 feet and VSBY equal to or greater than 3 miles	00-02	*	*	*	*	29	28	*	*	*	*	*	*	*	1
	03-05	27	25	27	26	27	26	21	23	25	23	26	28	304	14
	06-08	24	21	25	24	28	26	22	24	24	23	24	26	291	14
	09-11	24	23	28	27	30	28	27	29	29	30	28	26	329	14
	12-14	29	27	29	28	30	29	28	29	29	31	29	29	347	14
	15-17	29	27	29	28	30	29	28	30	29	31	29	29	348	14
	18-20	*	*	31	30	28	30	*	*	*	*	*	*	*	1
	21-23	*	*	*	*	29	30	*	*	*	*	*	*	*	1
	ALL HOURS	*	*	*	*	29	28	*	*	*	*	*	*	*	
mean number of days CIG less than 500 feet and/or VSBY less than 1 mile	00-02	*	*	*	*	#	0	*	*	*	*	*	*	*	1
	03-05	#	1	1	2	2	1	2	3	3	3	2	1	21	14
	06-08	2	2	2	2	1	1	2	3	2	4	2	2	25	14
	09-11	3	1	1	#	#	#	1	#	#	#	#	1	8	14
	12-14	1	#	1	#	#	#	#	#	#	0	#	#	2	14
	15-17	1	1	1	1	#	#	#	#	#	0	#	#	4	14
	18-20	*	*	0	0	#	0	*	*	*	*	*	*	*	1
	21-23	*	*	*	*	#	0	*	*	*	*	*	*	*	1
	ALL HOURS	*	*	*	*	1	#	*	*	*	*	*	*	*	
FLYING WEATHER	HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	EYR
mean number of days CIG equal to or greater than 3000 feet and VSBY equal to or greater than 3 miles	00-02	*	*	*	*	28	24	*	*	*	*	*	*	*	1
	03-05	25	22	24	22	24	21	13	16	21	22	24	25	259	14
	06-08	22	19	21	21	25	20	12	17	21	21	22	23	244	14
	09-11	22	21	24	24	27	22	15	20	25	28	26	24	278	14
	12-14	26	24	25	25	27	22	15	21	25	29	27	27	293	14
	15-17	27	25	26	25	27	24	18	22	25	29	27	27	302	14
	18-20	*	*	19	30	27	27	*	*	*	*	*	*	*	1
	21-23	*	*	*	*	28	26	*	*	*	*	*	*	*	1
	ALL HOURS	*	*	*	*	27	22	*	*	*	*	*	*	*	
mean number of days CIG less than 200 feet and/or VSBY less than ½ mile	00-02	*	*	*	*	0	0	*	*	*	*	*	*	*	1
	03-05	#	#	#	1	1	1	1	2	2	2	1	1	12	14
	06-08	1	#	#	1	#	#	#	1	1	3	2	1	10	14
	09-11	1	#	#	#	0	0	#	#	0	#	#	#	1	14
	12-14	#	#	#	0	#	0	0	#	0	0	0	#	#	14
	15-17	#	#	#	#	0	0	#	#	0	0	#	#	#	14
	18-20	*	*	0	0	0	0	*	*	*	*	*	*	*	14
	21-23	*	*	*	*	0	0	*	*	*	*	*	*	*	1
	ALL HOURS	*	*	*	*	#	#	*	*	*	*	*	*	*	
MISCELLANEOUS DATA															
Mean number of days	Clear	17	14	12	10	11	6	3	6	9	15	13	16	132	10
Mean number of days	Cloudy	12	12	16	17	17	21	25	21	17	12	13	12	195	10
Maximum snow depth	(inches)	6	6	2	0	0	0	0	0	0	0	2	4	6	11

AWS FORM JAN 66 62e — AWSP 105-4, VOL VII

CAMP STANLEY LOCATED 3 MILES ESE

(ULJOHNSU)
CD DATED JUL 66 OBSOLETE

PREPARED BY: USAFETAC JUNE 1974

STATION NAME: CAMP LAGUARDIA AAF KOREA K-4
LOCATION: N37 44 E127 03

PERIOD: APR 51-JUL 72 8
ELEV: 174

STN LTRS: RKSD
WBAN NO.: 49218
WMO NO.: 47106

AWS CLIMATIC BRIEF

MONTH	TEMPERATURE (°F) MEAN DAILY MAX	MEAN DAILY MIN	MEAN MONTHLY	EXTREME MAX	EXTREME MIN	PRECIPITATION (IN) MONTHLY MEAN	MONTHLY MAX	MONTHLY MIN	MAX 24 HRS	SNOWFALL (IN) MONTHLY MEAN	MONTHLY MAX	MAX 24 HRS
JAN	33	13	23	53	-14	.8	2.3	.1	1.1	6	17	10
FEB	38	19	29	59	-15	1.3	3.8	.1	2.7	4	13	6
MAR	49	29	39	71	10	2.1	7.6	.2	2.3	3	8	5
APR	63	41	52	82	24	4.5	17.3	.1	4.5	0	0	0
MAY	75	52	64	92	35	3.4	11.8	.5	6.3	0	0	0
JUN	80	61	71	97	40	6.6	17.8	1.1	7.4	0	0	0
JUL	84	70	77	97	52	15.7	38.8	5.7	7.9	0	0	0
AUG	87	70	79	99	55	11.7	22.5	2.2	5.8	0	0	0
SEP	78	58	68	93	39	7.3	21.5	.1	7.7	0	0	0
OCT	68	44	56	83	24	2.2	5.1	.2	2.9	#	8	8
NOV	52	32	43	70	8	1.8	3.2	.6	1.8	#	3	3
DEC	38	21	30	64	-4	.9	3.3	.1	1.9	2	7	5
ANN	62	43	53	99	-15	62.3	38.8	.1	7.9	15	17	10
YR	19	19	19	19	19	21	21	21	21	20	20	20

MONTH	MEAN RELATIVE HUMIDITY (%) LST 05	LST 14	MEAN VAPOR PRESSURE (IN Hg)	MEAN DEW PT (°F)	PRESSURE ALTITUDE (FT) 99.95%	SURFACE WINDS PVLG DRCTN (16 PT)	SPEED MEAN (KT)	SPEED MAX (KT) **	BLOWING SAND (months)	CLOUD COVER	MEAN NUMBER OF DAYS OCCURRENCE OF: PRECIP (IN) ≥ 0.01	PRECIP ≥ 0.5	SNOWFALL (IN) ≥ 0.1	SNOWFALL ≥ 1.5	THUNDERSTORMS	FOG VIS ≤ 7 MI	TEMPERATURE (°F) MAX ≥ 90	MAX ≥ 80	MIN ≤ 32	MIN ≤ 00
JAN	73	56	.08	13	400	S W	3	27	4	6	8	5	1	0	9	0	0	30	4
FEB	76	55	.10	18	400	S W	3	21	4	5	1	3	1	0	9	0	0	26	1
MAR	80	52	.15	27	350	S W	4	27	5	6	1	2	1	0	13	0	0	23	0
APR	84	49	.24	39	800	S W	4	33	6	8	3	8	0	1	13	0	8	3	0
MAY	86	47	.36	50	700	S W	4	27	6	7	2	0	0	1	16	8	9	0	0
JUN	89	56	.52	60	700	S W	4	27	7	11	3	0	0	3	18	2	16	0	0
JUL	92	70	.74	70	750	S S	4	27	8	17	9	0	0	4	26	3	24	0	0
AUG	93	65	.76	71	700	S S	3	27	7	14	7	0	0	4	22	10	28	0	0
SEP	93	57	.50	59	650	S N	2	21	6	9	3	0	0	1	21	8	12	0	0
OCT	90	50	.30	45	450	S W	2	27	4	8	1	0	0	1	20	0	1	2	0
NOV	84	54	.19	33	350	S W	3	21	5	8	1	8	8	1	18	0	0	15	0
DEC	79	58	.11	20	350	S W	3	21	4	5	8	2	8	8	14	0	0	28	1
ANN	85	56	.28	43	750	S W	3	33	5	102	31	12	3	16	99	17	90	127	6
YR	21	21	21	21	22	21	21	21	19	21	21	20	20	19	19	19	19	19	19

REMARKS: RUSSWO POR:
HRLY OBS: APR 51, JUL 51-DEC 52, MAY 53-JUL 72
AND (10-13 OBS/DAY: MAR 71-JUL 72)
DAILY OBS:

NOTE: * DATA NOT AVAILABLE. # LESS THAN 0.5 DAY, 0.5 OR 0.05 INCH, OR 0.5 PERCENT AS APPLICABLE. ** HIGHEST HRLY WIND SPEED CLASS INT. $= % CALM GRTR % PVLG DRCTN

CAV FREQ (%)	HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YR
CEILING LESS THAN 3000 FT AND/OR VISIBILITY LESS THAN 3 MI	00-02	10	12	16	15	12	19	41	22	12	8	10	12	16	20
	03-05	12	14	20	19	17	30	53	36	21	13	15	11	22	21
	06-08	21	24	25	25	20	33	55	44	25	20	21	16	28	21
	09-11	24	21	18	17	15	25	48	32	15	8	13	18	21	21
	12-14	15	14	15	16	11	20	43	26	13	5	10	12	17	21
	15-17	14	11	14	15	10	14	35	21	10	4	10	11	14	21
	18-20	11	10	13	14	10	13	33	17	9	5	8	9	13	20
	21-23	10	11	14	13	10	16	34	18	9	5	8	10	13	20
	ALL HRS	15	15	17	17	13	21	43	27	14	9	12	13	18	
CEILING LESS THAN 1500 FT AND/OR VISIBILITY LESS THAN 3 MI	00-02	6	7	7	8	7	10	17	6	6	4	5	5	7	20
	03-05	7	8	11	12	12	17	26	19	13	10	9	6	13	21
	06-08	17	18	17	18	13	20	30	26	17	16	16	12	18	21
	09-11	19	14	10	9	6	10	18	8	6	3	7	12	10	21
	12-14	7	6	7	8	5	6	11	5	3	1	4	5	6	21
	15-17	7	5	6	7	4	5	10	4	3	1	4	4	5	21
	18-20	6	5	7	6	3	5	12	5	3	2	4	4	5	20
	21-23	6	6	6	6	6	8	13	5	3	2	6	6	6	20
	ALL HRS	9	9	9	9	7	10	17	10	7	5	7	7	9	
CEILING LESS THAN 1000 FT AND/OR VISIBILITY LESS THAN 3 MI	00-02	3	4	5	5	3	5	9	3	3	3	3	3	4	20
	03-05	4	6	7	8	7	9	16	11	9	7	6	3	8	21
	06-08	9	11	10	11	7	10	17	15	12	12	10	7	11	21
	09-11	11	7	6	5	2	4	9	5	3	2	4	7	5	21
	12-14	4	4	4	4	2	2	6	2	2	0	1	2	3	21
	15-17	4	3	4	4	2	2	5	1	2	1	2	1	3	21
	18-20	3	3	5	3	2	3	5	2	2	1	2	1	3	20
	21-23	3	3	4	4	2	4	7	2	2	1	2	1	3	20
	ALL HRS	5	5	6	6	3	5	9	5	4	3	4	3	5	
CEILING LESS THAN 200 FT AND/OR VISIBILITY LESS THAN 1/2 MI	00-02	0	1	0	1	0	0	0	0	0	1	1	1	0	20
	03-05	1	1	1	1	2	1	2	3	3	4	3	1	2	21
	06-08	1	1	2	3	1	1	1	3	4	6	5	2	3	21
	09-11	1	0	1	0	0	0	0	0	0	1	1	1	0	21
	12-14	1	0	0	0	0	0	0	0	0	0	0	0	0	21
	15-17	1	1	0	0	0	0	0	0	0	0	0	0	0	21
	18-20	0	0	1	0	0	0	0	0	0	0	0	0	0	20
	21-23	0	0	0	0	0	0	0	0	0	0	1	1	0	20
	ALL HRS	1	1	1	1	0	0	0	1	1	2	1	1	1	

PREVIOUS EDITION IS OBSOLETE.
AFS 105-4 APR 72 (2)

AWSP 105-4 VOL VII

AWS CLIMATIC BRIEF

Prepared by ETAC (APR 1968)

TONGGO-RI/STANTON AAF/TEAM 811/A-9, S.KOREA PERIOD: 1953-67

N 37 47 E 126 51 ELEVATION: 90 ft

WBAN # 43244
WMO #
STN LTRS:

MONTH	TEMPERATURE (°F) EXTREME MAXIMUM	MEAN DAILY MAXIMUM	MEAN DAILY MINIMUM	EXTREME MINIMUM	PRECIPITATION (in) MEAN TOTAL	MAXIMUM IN 24 HOURS	MEAN SNOWFALL	MAX SNOWFALL IN 24 HOURS	WIND (KT) PREVAILING DIRECTION	MEAN SPEED	EXTREME SPEED (MAX WINDS)	MEAN RELATIVE HUMIDITY (%) 0400	1300	DEW POINT (°F)	VAPOR PRESSURE (in Hg)	PRESSURE ALTITUDE (Feet) 99.95%	MEAN NUMBER OF DAYS PRECIP ≥ 0.01 in	PRECIP ≥ 0.5 in	SNOWFALL ≥ 0.1 in	SNOWFALL ≥ 1.5 in	THUNDERSTORMS	FOG < 7 MILES	TEMPERATURE (°F) MAXIMUM ≥ 90	≥ 80	MINIMUM ≤ 32	≤ 0	MEAN CLOUD (TENTHS)
JAN	54	31	16	-15	0.5	0.6	*	*	NW	3	27	76	58	14	.08	350	4	#	*	*	0	*	*	*	*	*	4
FEB	60	37	22	-6	0.7	1.5	*	*	SW	4	27	78	58	20	.10	350	5	#	*	*	0	*	*	*	*	*	5
MAR	72	47	31	9	1.7	5.0	#	#	SW	4	22	82	54	29	.16	500	6	1	0	0	0	*	*	*	*	*	6
APR	82	61	44	21	2.8	3.9	#	#	SW	5	33	85	55	42	.27	600	8	2	0	0	0	*	*	*	*	*	6
MAY	90	73	53	33	2.0	3.0	0	0	SW	4	27	87	52	52	.39	650	6	1	0	0	#	8	*	1	*	*	6
JUN	100	79	62	49	8.4	8.3	0	0	SW	4	27	89	59	61	.54	650	10	5	0	0	3	13	*	3	*	*	7
JUL	98	83	72	55	14.3	7.6	0	0	S	4	20	93	73	72	.78	650	18	8	0	0	3	18	3	18	*	*	8
AUG	100	85	73	55	8.5	8.3	0	0	S	3	40	92	67	71	.76	650	9	5	0	0	#	9	6	31	*	*	7
SEP	92	77	60	37	7.9	10.0	0	0	N	3	21	93	60	60	.52	550	9	3	0	0	#	*	*	0	*	*	6
OCT	88	66	46	23	1.3	1.5	0	0	SW	3	21	91	53	46	.31	400	6	1	0	0	1	26	*	1	*	*	4
NOV	72	51	37	9	1.0	2.5	#	#	SW	3	27	87	58	35	.20	350	5	1	0	0	1	*	*	*	*	*	5
DEC	60	37	24	-9	1.0	2.5	#	2	NW	3	21	80	60	22	.11	300	4	1	#	#	0	*	*	*	*	*	4
ANN	100	61	46	-15	50.1	10.0	#	2	SW	4	40	86	59	44	44	650	90	28	*	*	8	*	*	*	*	*	6
EYR	15	15	15	15	11	10	9	9	14	14	14	14	14	14	14	14	11	6	9	9	11	1	1	1	1	1	15

REMARKS

TYPHOON DATA:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	EYR
NO. OBSVD. within 25 NM	0	0	0	0	0	0	2	2	0	0	0	0	4	17
within 50 NM	0	0	0	0	0	0	3	5	2	0	0	0	10	17
within 100 NM	0	0	0	0	0	2	3	5	2	0	0	0	12	17

RUSSWO POR: Hourly Obs May 53-Aug 67 Daily Obs May 53-Dec 63, Feb-Dec 64, Apr-Dec 65, Feb-May, Jul-Dec 66

NOTE; *DATA NOT AVAILABLE. #LESS THAN 0.5 DAY, 0.5 OR 0.05 INCH, OR 0.5 PERCENT (%) AS APPLICABLE.

FLYING WEATHER (% FREQ)	HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	EYR
CIG less than 3000 feet and/or VSBY less than 3 miles	00-02	*	*	*	*	6	49	48	26	*	27	*	*	26	1
	03-05	10	14	22	23	18	33	62	42	23	13	13	9	24	14
	06-08	28	27	26	25	18	35	61	44	22	16	19	19	28	14
	09-11	27	22	21	21	17	32	58	39	18	8	13	18	25	14
	12-14	12	16	19	19	13	29	55	38	20	7	11	10	21	14
	15-17	12	14	18	16	12	23	45	29	16	7	11	11	18	14
	18-20	*	*	20	*	10	26	51	28	*	6	*	*	20	1
	21-23	*	*	*	*	10	39	46	23	*	26	*	*	28	1
	ALL HOURS	19	19	21	21	15	30	55	38	19	10	14	14	23	
CIG less than 1500 feet and/or VSBY less than 3 miles	00-02	*	*	*	*	6	14	23	10	*	21	*	*	12	1
	03-05	6	9	12	14	10	19	38	25	10	9	7	4	14	14
	06-08	23	21	16	16	11	22	40	25	12	12	12	13	19	14
	09-11	22	15	10	13	8	16	33	15	6	3	6	11	13	14
	12-14	6	6	7	10	6	10	24	10	5	1	3	3	8	14
	15-17	6	6	7	9	6	9	21	7	5	2	3	4	7	14
	18-20	*	*	0	*	9	14	19	0	*	6	*	50	6	1
	21-23	*	*	*	*	10	10	28	0	*	20	*	*	14	1
	ALL HOURS	13	12	10	12	8	15	30	15	7	5	6	7	12	
CIG less than 1000 feet and/or VSBY less than 2 miles	00-02	*	*	*	*	3	6	14	0	*	9	*	*	5	1
	03-05	4	6	8	11	9	13	28	14	6	6	5	1	9	14
	06-08	15	16	11	11	8	15	28	16	8	8	8	7	13	14
	09-11	14	9	6	8	5	8	21	6	3	2	3	6	8	14
	12-14	3	4	6	7	4	5	14	4	2	#	2	1	4	14
	15-17	3	4	5	6	4	4	12	3	2	#	2	3	4	14
	18-20	*	*	0	*	7	0	9	0	*	1	*	0	2	1
	21-23	*	*	*	*	8	0	12	0	*	4	*	*	5	1
	ALL HOURS	8	8	7	8	5	8	19	8	4	3	4	4	7	
CIG less than 200 feet and/or VSBY less than ½ mile	00-02	*	*	*	*	0	0	0	0	*	0	*	*	0	1
	03-05	1	1	2	2	2	2	2	3	2	2	1	0	2	14
	06-08	1	1	2	2	1	2	2	2	2	3	3	1	2	14
	09-11	1	1	1	#	0	#	1	#	#	#	#	1	#	14
	12-14	#	#	#	#	#	#	#	#	0	0	#	#	#	14
	15-17	1	1	1	#	0	#	#	#	0	0	0	#	#	14
	18-20	*	*	0	*	0	0	0	0	*	0	*	0	0	1
	21-23	*	*	*	*	0	0	1	0	*	0	*	*	#	1
	ALL HOURS	1	1	1	1	#	1	1	1	1	1	1	#	1	

AWS FORM NOV 61 62

AWSP 105-4, VOL VII

AWS CLIMATIC BRIEF ADDENDUM	TONGGO-RI/STANTON AAF/TEAM 811/A-9, PERIOD 1953-67	WBAN # 43244
Prepared by ETAC (APR 1968)	SO. KOREA N37°47' E126°51' ELEVATION: 90 ft	WMO # STN LTRS:

FLYING WEATHER	HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	EYR
mean number of days CIG equal to or greater than 10000 feet and VSBY equal to or greater than 6 miles	00-02	*	*	*	*	18	9	12	15	*	10	*	*	94	1
	03-05	20	17	17	14	16	11	6	11	15	17	17	20	181	14
	06-08	10	10	12	13	17	11	7	10	14	15	12	12	143	14
	09-11	12	13	18	17	20	14	8	12	19	22	17	15	187	14
	12-14	19	18	19	19	22	15	9	13	19	24	20	20	217	14
	15-17	20	20	20	20	23	18	12	16	20	24	20	19	232	14
	18-20	*	*	25	*	19	16	12	16	*	13	*	*	131	1
	21-23	*	*	*	*	20	12	13	20	*	8	*	*	73	1
	ALL HOURS	16	15	17	17	20	14	9	12	18	20	17	17	192	
mean number of days CIG equal to or greater than 5000 feet and VSBY equal to or greater than 6 miles	00-02	*	*	*	*	23	10	13	18	*	10	*	*	114	1
	03-05	21	18	18	16	18	13	7	12	18	19	19	21	200	14
	06-08	11	11	13	14	19	14	8	12	16	16	14	14	162	14
	09-11	13	14	19	19	22	17	10	15	21	24	19	16	209	14
	12-14	21	19	21	21	24	18	10	15	21	26	22	22	240	14
	15-17	21	21	22	22	25	20	14	18	22	26	22	21	254	14
	18-20	*	*	25	*	23	20	12	19	*	14	*	*	143	1
	21-23	*	*	*	*	23	14	15	22	*	8	*	*	82	1
	ALL HOURS	17	16	18	19	22	17	10	15	20	22	19	18	213	
mean number of days CIG equal to or greater than 1000 feet and VSBY equal to or greater than 3 miles	00-02	*	*	*	*	30	27	26	31	*	25	*	*	169	1
	03-05	29	26	28	26	28	26	22	25	28	28	28	30	324	14
	06-08	24	22	27	26	28	25	22	25	27	28	27	27	308	14
	09-11	24	24	29	27	29	27	24	29	29	30	29	28	328	14
	12-14	30	27	29	28	30	28	27	30	29	31	29	30	347	14
	15-17	30	27	29	28	30	29	27	30	29	31	29	30	348	14
	18-20	*	*	31	*	28	29	27	31	*	29	*	31	236	1
	21-23	*	*	*	*	29	30	26	31	*	25	*	*	141	1
	ALL HOURS	27	25	28	27	29	27	25	28	29	30	28	29	331	
mean number of days CIG less than 500 feet and/or VSBY less than 1 mile	00-02	*	*	*	*	1	1	0	0	*	1	*	*	3	1
	03-05	1	1	1	1	2	2	3	2	1	1	1	#	16	14
	06-08	2	3	2	2	1	2	3	2	1	2	1	1	22	14
	09-11	2	2	1	1	#	1	2	#	#	#	#	1	10	14
	12-14	1	1	1	1	#	#	1	1	#	#	#	#	6	14
	15-17	1	1	1	1	#	1	1	#	#	#	#	#	6	14
	18-20	*	*	0	*	2	0	1	0	*	0	*	0	3	1
	21-23	*	*	*	*	2	0	1	0	*	0	*	*	3	1
	ALL HOURS	1	1	1	1	1	1	2	1	1	1	1	1	13	1

FLYING WEATHER	HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	EYR
mean number of days CIG equal to or greater than 3000 feet and VSBY equal to or greater than 3 miles	00-02	*	*	*	*	29	15	16	23	*	23	*	*	136	1
	03-05	28	24	24	23	26	20	12	18	23	27	26	28	279	14
	06-08	22	21	23	23	26	20	12	18	24	26	24	25	264	14
	09-11	23	22	25	24	26	21	13	19	25	29	26	26	279	14
	12-14	27	24	25	24	27	21	15	19	24	29	27	28	290	14
	15-17	27	24	26	25	27	23	17	22	25	29	27	28	301	14
	18-20	*	*	25	*	28	22	15	22	*	29	*	*	171	1
	21-23	*	*	*	*	28	18	17	24	*	23	*	*	110	1
	ALL HOURS	25	23	25	24	27	21	15	19	24	28	26	27	285	
mean number of days CIG less than 200 feet and/or VSBY less than ½ mile	00-02	*	*	*	*	0	0	0	0	*	0	*	*	0	1
	03-05	#	#	1	1	1	1	1	1	1	1	#	0	8	14
	06-08	#	#	1	1	#	1	1	1	1	1	1	#	8	14
	09-11	#	#	#	#	0	#	#	#	#	#	#	#	#	14
	12-14	#	#	#	#	#	#	#	#	0	0	#	#	#	14
	15-17	#	#	#	#	0	#	#	#	0	0	0	#	#	14
	18-20	*	*	0	*	0	0	0	0	*	0	*	0	0	1
	21-23	*	*	*	*	0	0	#	0	*	0	*	*	#	1
	ALL HOURS	#	#	#	#	#	#	#	#	#	#	#	#	#	
MISCELLANEOUS DATA															
Mean number of days	Clear	18	14	12	11	11	6	3	6	10	17	14	17	139	10
Mean number of days	Cloudy	11	12	16	16	16	21	25	21	16	11	13	12	190	10
Maximum snow depth	(inches)	12	6	6	0	0	0	0	0	0	0	1	2	12	11

AWS FORM JAN 66 62e

AWSP 105-4, VOL VII

SECTION G

SYNOPTIC CASE STUDIES

(None on File)

SECTION H

TERMINAL FORECAST WORK/PREPARATION SHEET

DET 20 30 WS

TERMINAL FORECAST WORKSHEET

1. FORECASTER	2. MONTH	3. DATE/TIME

4. ANALYSIS

A. 500MB: PVA____/NVA____/NEUTRAL____

B. 850MB: LIFTING____/SUBSIDENCE____

C. 850-500MB SHOWALTER INDEX_____

D. WW/MWA NUMBER_____/CRITERIA_____

E. LOCAL WW/MWA NUMBER_____/CRITERIA_____

F. MOISTURE FOR FOG/STRATUS_____

G. MOISTURE AT 850MB___700MB___500MB____

H. SURFACE WIND DIRECTION_____

5. SYNOPTIC SITUATION

(CURRENT OBSERVATION: _____.)

6. TERMINAL FORECAST

RKXX _____ QNH_____ INS_____

_____ QNH_____ INS_____

_____ QNH_____ INS_____

_____ QNH_____ INS_____

_____ QNH_____ INS_____

AMD/COR/RTD (REASON: _____.)

FTAS75 RJTZ _____ AMD/COR/RTD

RKXX AMD/COR/RTD _____ QNH_____ INS_____

_____ QNH_____ INS_____

_____ QNH_____ INS_____

_____ QNH_____ INS_____

_____ QNH_____ INS_____

AMD/COR/RTD_____. (NOTE: The time on the last line is not used with RTD.)

7. VERIFICATION

HOUR	1	2	3	4	5	6	12	24
TIME								
CIG F/O								
VIS F/C								
CC								
PRECIP								
INTER								

8. REMARKS

30 WS FORM 0-62
Oct 78

DAT
FILM