

GPS 가 ()

: (webmaster@mygpos.co.kr)

GPS
가 .

GPS

GPS

1. GPS

GPS

- : , , , (MGRS),TM ,User

GRID

- : m 가 10m .

- : ODO Meter

- , ,

- ,

- (,)

- (Vertical Profile) :

- GPS

-

2. 가 ()

가 GPS

: GPS .

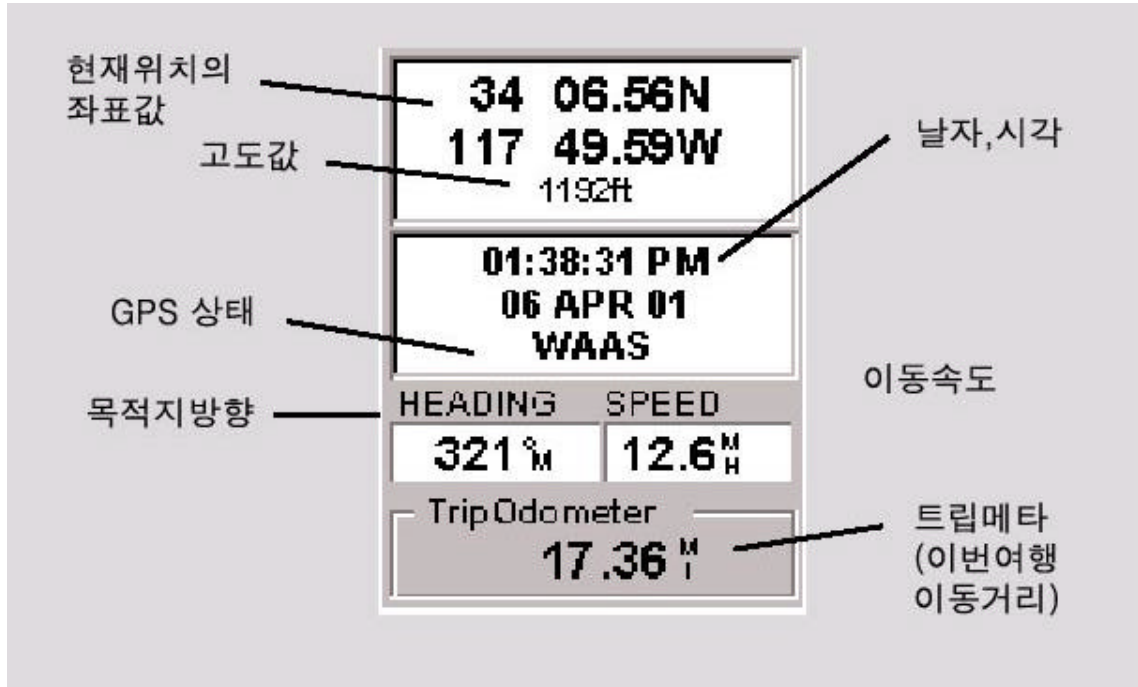
GPS Page() esc 가

. ,
가 GPS

3D (3)

가

2D (2)



m 가 ft

m

. (Menu -> setup -> Nav Units ->

KM/KMP)



340m

가

가

340m

가

가 가



395 371.2

가

가

395

371.2

350m

8

가

GPS

m

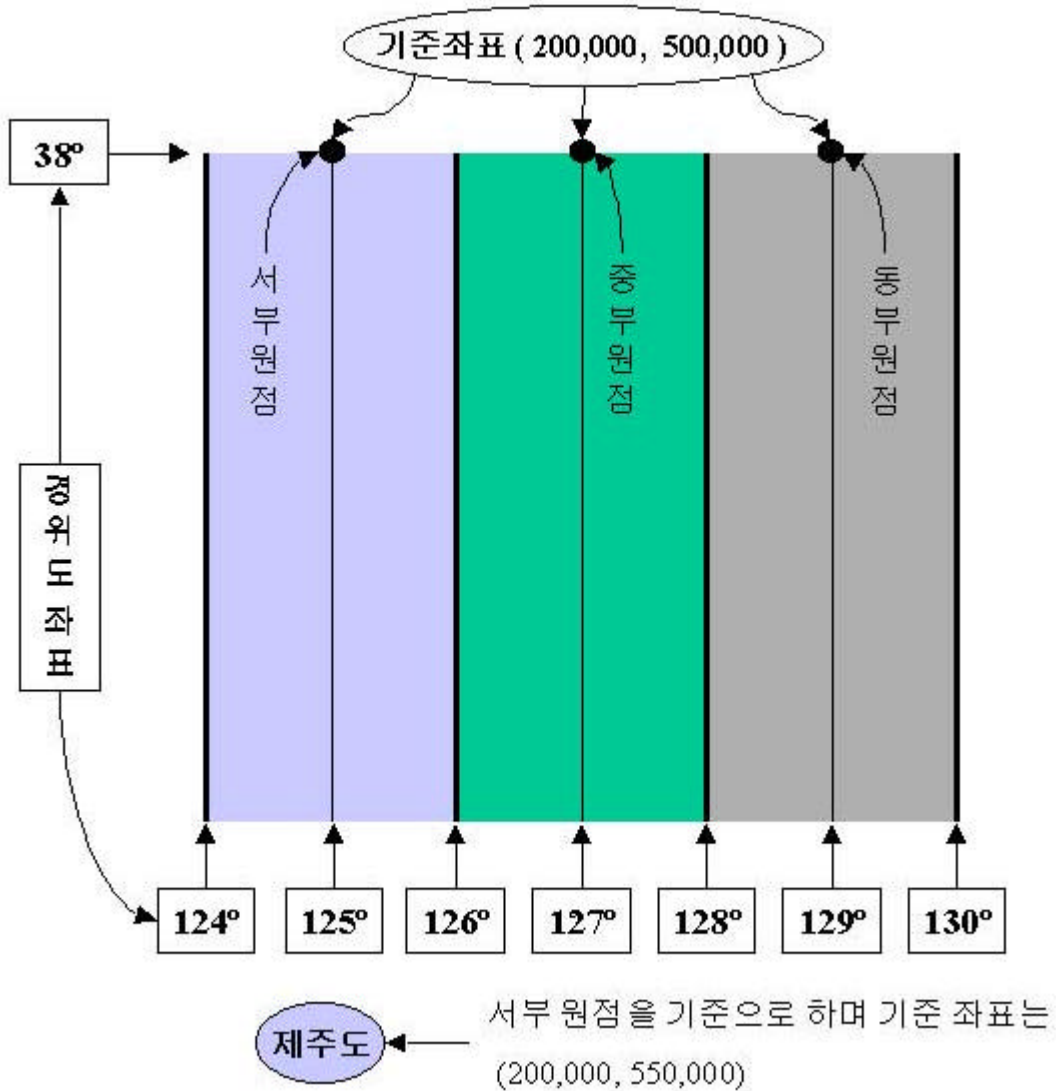
가

(

)

3. - TM

가 1:25,000 1: 50,000 3
 , 38 , 125 127 129 가
 500,000 , 200,000 1m 가
 1m 가

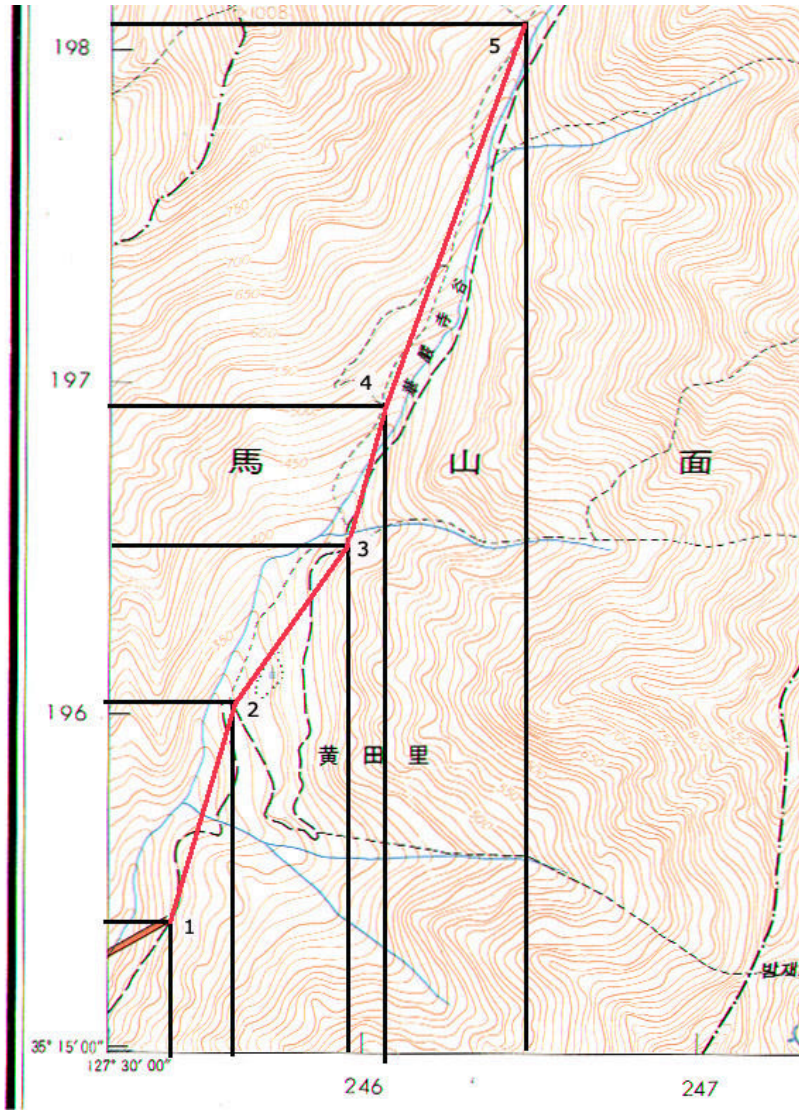


*** : TOKY Datum
 GPS Datum (Menu -> Setup -> Map Datum -> Primary -> TOKYO)

Tokyo

, 2004

WGS-84 TOKYO Datum



1:25,000

127.30.00 36

15.00 TOKYO

Daum

가

2476 ,247

가

196 197

198

가

3 가

TM

196

38

00

(500 -196

(Km

246

127 00

(246 - 200 =

46)Km

196,000 246,000

196,010 246,000

196,000

10m

TM

GPS

GPS TM

POSITION Menu Key .
Menu COORD SYS

PRIMARY SECONDARY
(PRIMARY SECONDARY POSITION
,
TM PRIMARY
SECONDARY)

COORD SYS -> USER GRID

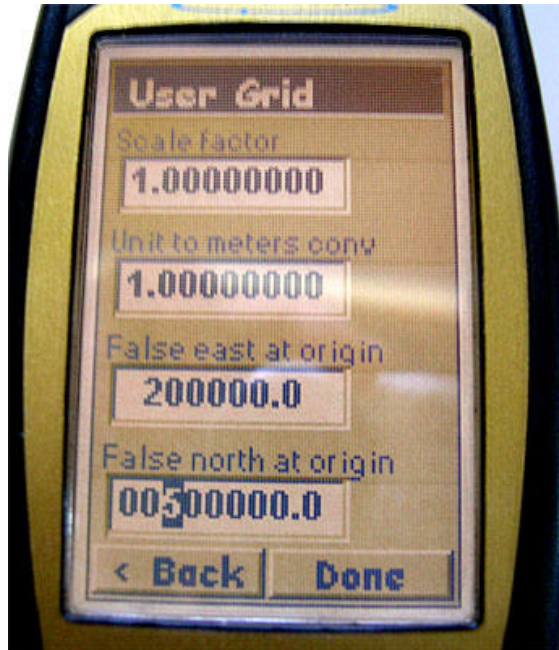
PROJECTION -> TRANS MERC (TM)

LATITUDE OF ORIGIN -> 38.00000N

LONGITUDE OF ORIGIN -> 125.00289E / 127.00289E /129.00289E

W -> E ()





SCALE FACTOR -> 1.00000000

UNITS TO METERS CONV. -> 1.00000000

FALSE EASE AT ORIGEN -> 00200000.0

FALSE NORTH AT ORIGEN -> 00500000.0

** 00550000.0

TM TOKYO
TOKYO

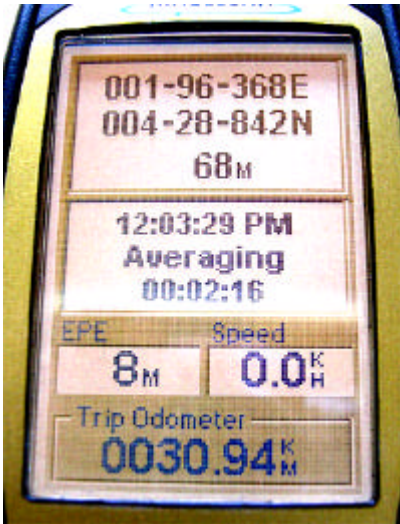
POSITION Menu key
MENU -> MAP DATUM -> PRIMARY / SECONDARY -> TOKYO

가 TM
TM
가 127
127 LONGITUDE OF ORIGIN -> 127.00289E
129 129 LONGITUDE OF ORIGIN -> 129.00289E
125 - 126 126 -128 128 - 130
(가

6 가

373,733) 127.00289 129.00289 E 125.00289 127.00289 (:

(; 019,381) 2



Primary User Grid TM
Primary
TM
TM
TM

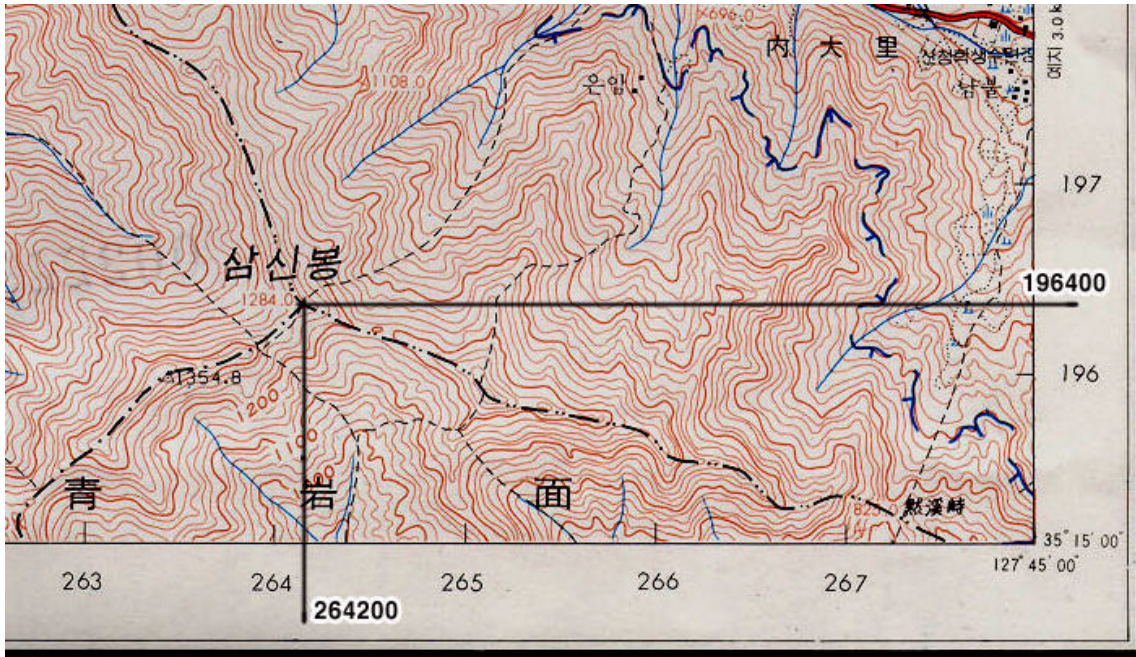


Primary, Secondary 가
WGS-84 TM - Toky 가
가 GPS
Primary 가
가
WGS-84 Datum

TM

- TM

가



가

가

264200E 196400N

264 265 1,000 6
 264200 264 265 20% 264
 200m

GPS (Way
 Point, land Mark) Dat Base ()
) Goto ()
 GPS



GPS goto Mark
 . (**
)
 Location TM 6
 (,
 .. Enter
 .)
 Save



SAMSIN
 name Enter
 .
 Name OK
 shift
 가

가



goto goto
 Goto User
 Waypoint Position enter
 가 SAMSIN
 Enter

Distance() Bearing() 가



BEARING
Distance 가 242Km

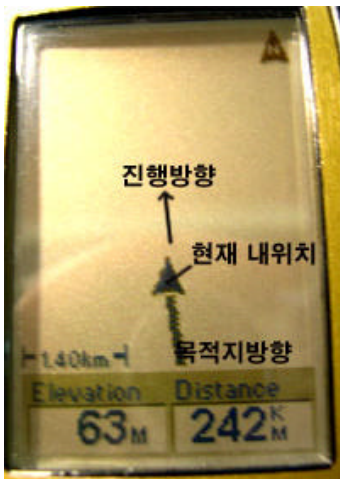
TO:SAMSIN

Distance 가
가

가 1.5Km 1.0 Km

1Km

가 m



242Km

, 가 가
가

가

+
,
가

GPS 가

가
가

*** TM
가

가
가

가 가

가

1:5,000

, TM 가

가

4. User Grid

Cm

(GPSer.net

.)

TM

38

127 (125 ,129)

가

가

Cm

가

GPS

GPS

User Grid

1-2

Tokyo Datum

, ,

.

,

가

,

Cm

가

가

.

20Cm

.

10

가

.

:

, Cm

.

User Grid

, ,

(DEG.ddddd)

->

.

->

,

GPS

, ,

Coord sys -> Primary -> Lat/Lon ->

DEG.DDDD

가

가

가 가



1:30,000

가

37 22 30 N ,

126 57 30

1. (-> .XXX) : _____

좌표 변환

기본 원리를 아시면 엑셀 등 시트를 이용해서 변환하시면 더욱 편리합니다.
예) 36.1234 도 --> 36+ 0.1234 * 60 = 36 도 7.40399분
36도 7.40399분 -> 36도 7분 + 0.40399 * 60 = 36도 7분 24.24초 초 변환될
반대는 역으로 나누기 60을 하시면 됩니다.

도,분,초 값을 입력해서 변환

DD MM SS

GPS Coordinates deg min

Decimal Degrees

Magellan GPS

User Grid

가

- 1 SETUP -> COORD SYSTEM -> PRIMARY -> USER GRID
- 2 TRANS MERC
- 3 User Grid
- 4 Latitude of Origin (DEG.DDDDD)
37.37500N
- 5 Longitude of Origin
126.96833E
- 6 Scale Factor = 1
- 7 Unit of meters conv = ()
가 1:30,000 0.3
- 8 False east at origin = 0.0
- 9 False north at origin = 0.0

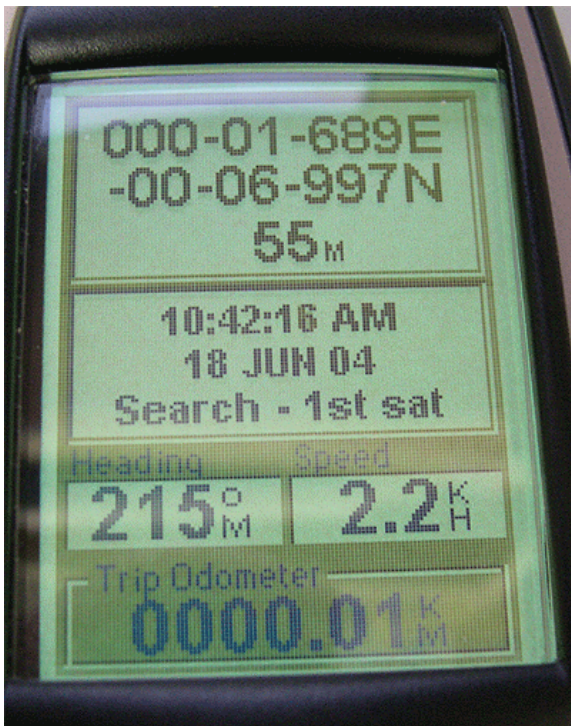
Cm

Unit to meters conv

	1:5,000	1:10,000	1:25,000	1:30,000	1:35,000	1:40,000
UNITS TO METERS CONV.	0.05	0.1	0.25	0.3	0.35	0.4
	1:45,000	1:50,000	1:55,000	1:60,000	1:75,000	1:100,000
UNITS TO METERS CONV.	0.45	0.5	0.55	0.6	0.75	1.0

** Cm 1: 100,000 1:1 1/ 25,000 0.25, 1/60,000 0.6

GPS



000-01-689E , ?00-06-997N 가 mm 가 가 () (+) 1.689 Cm , (-) 6.997 Cm .

User Grid

User Grid

가 Cm

GPS

가

가



가

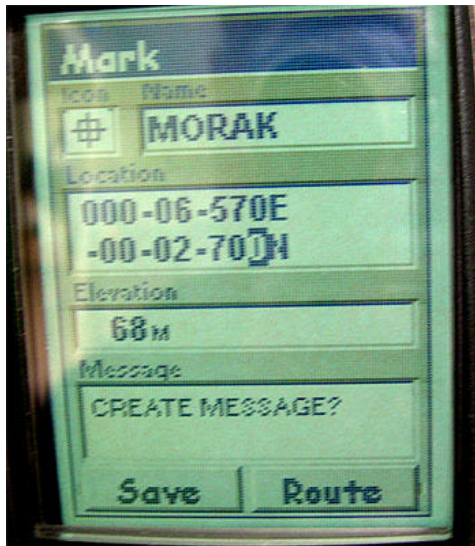
X

2.7 Cm 가

-2.700 Cm 가



Y + X 6.57 Cm 가
 +6.570 Cm 가
 GPS

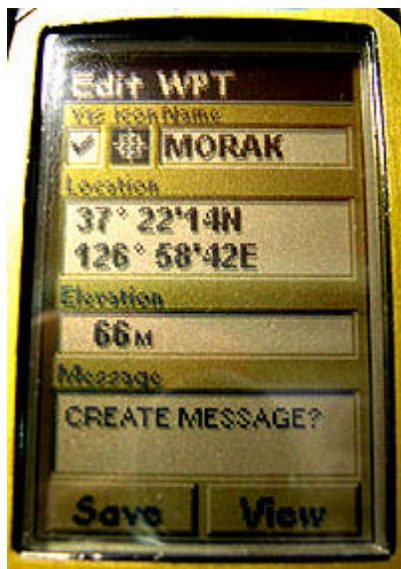


Goto MORAK
 06.670E
 -02.700N
 Save
 가 goto
 Key User Waypoint
 MORAK Enter 가



Goto 56 1.95Km
가

Cm User Grid MORAK , ,

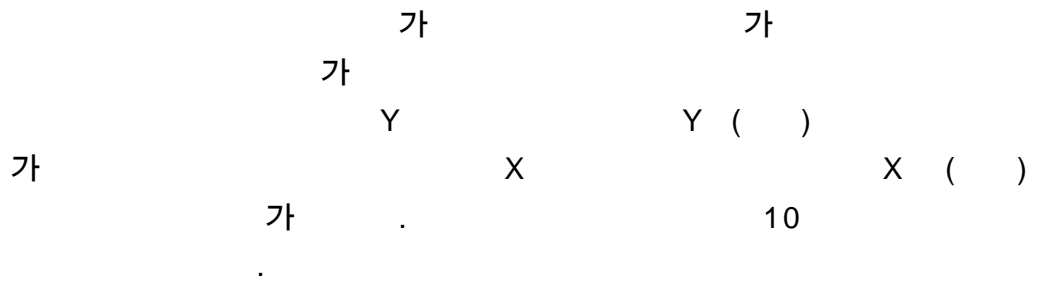


MORAK Edit
WGS-84 Datum ,
37 22 14 , 126 58 42

37 22 14 126 58 43
1

300m 1:30,000 1Cm 가
30m 가 0.5mm
15m 가
30m , 1:60,000 가

Tip:



- Cm

GPS thales Navigation
GPS

Thales
GPS

USER GRID

mm
가

Cm

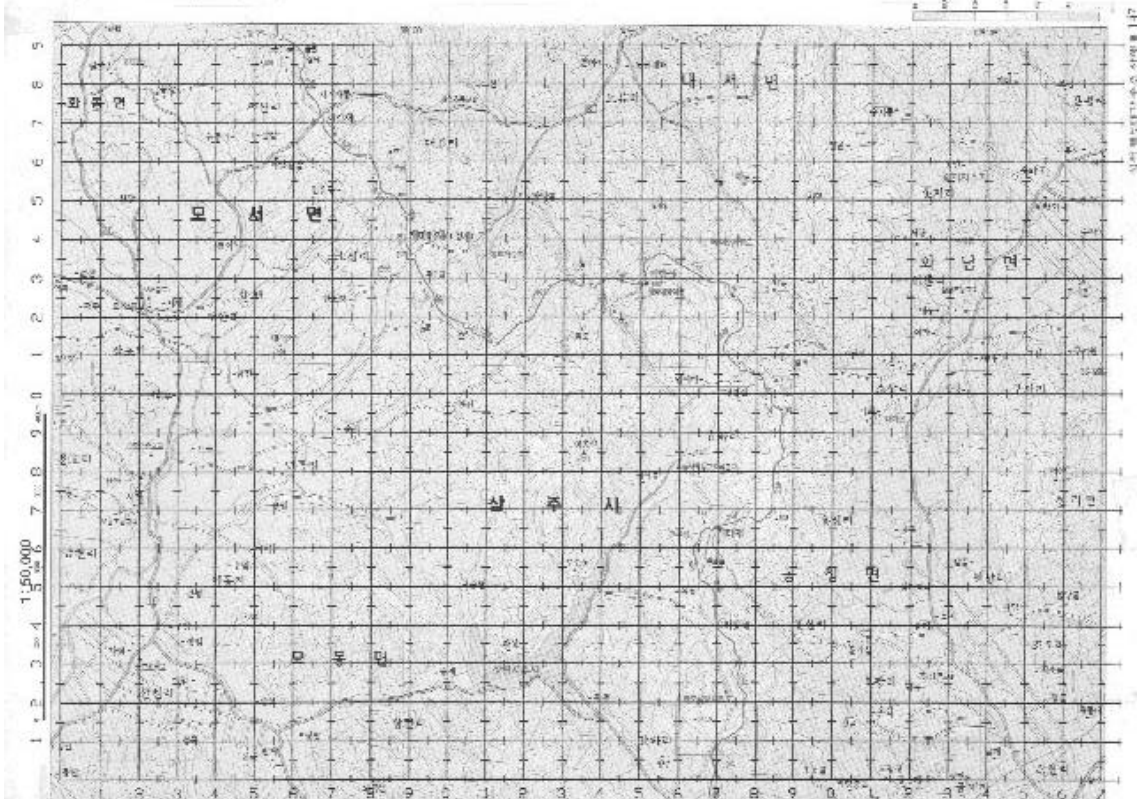
Cm

1:1

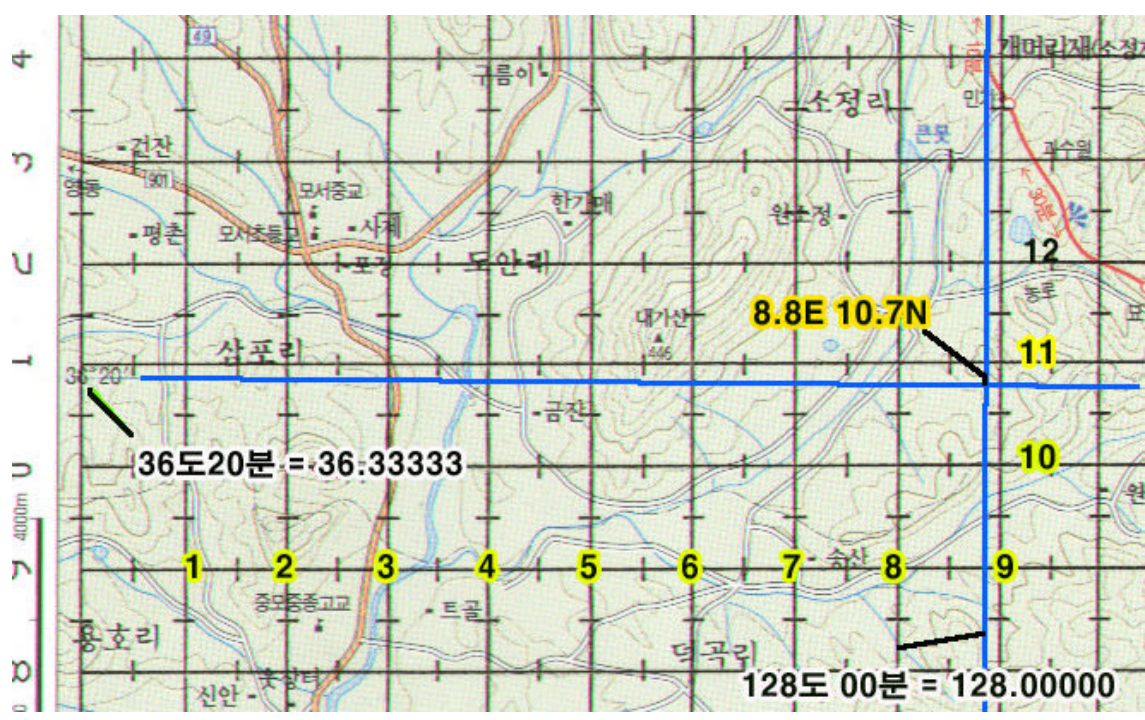
OHP

Cm

제 8-9-10구간



GPS 가 가 가



GPS TM

, 36 20 00

36.33333

36.33333

128.00000

가

Cm

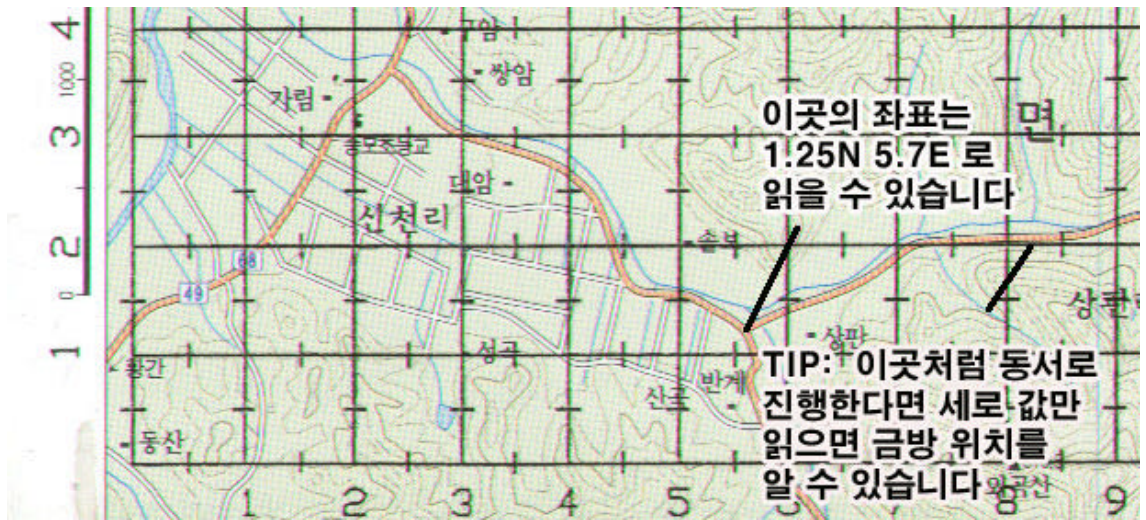
8.8 / 10.7

GPS

- MENU setup .
- Coord System
- Primary (Primary User waypoint 가)
- User Grid
- Trans Merc
- Latitude of Origin () - 36.33333N ()
- Longitude of Origin 128.00000E
- Scale Factor : 1.000000
- Unit to Meters ConV 0.5 (Cm
- 가 1:50,000 0.5 1:30,000 0.3, 1:60,000
- 0.6 .
- False east at Origin : 00008800.0 (8.8 Cm
-)
- False north at origin : 00010700.0 (10.7 Cm
-)
- Done

Cm

Cm



가

1.25N 5.7E

GPS

000-05-700E 000-01-250N

3

가 Cm

가

Goto Key

WayPoint

, ,

Datum

Tokyo

TIP:

가

Cm

TIP:

가

,

가

GPS 가

GPS

Cm

가

가