

photo.2image

, i.ortho.photo

photo.2image - 가
() ()
, reseau .)
i.ortho.photo

(GRASS Image Processing Program)

i.ortho.photo

photo.2image (, photo)
(, reseau .)
(camera file)

가
RMS (root mean square)

RMS photo.2image i.points
RMS

photo.2image 가
zoom
photo.2image 가
가

use mouse now...

imagery	

가

Double click on cell file to be plotted
 Double click here to cancel

Mapset imagery	
gs 13.1	gs 21.1
gs 14.1	gs 22.2

(CAMERA FILE)

CAMERA

Camera Reference File		
CAMERA NAME :	camera name	
CAMERA ID :	L1234	
CAMERA CFL :	153.021 mm.	
CAMERA XP :	0.050 mm.	
CAMERA XP :	0.056 mm.	
number of fid.	4	
ID	(X PHOTO) mm.	(Y PHOTO) mm.
1	- 105.023	110.123
2	107.987	109.834
3	110.965	- 104.329
4	- 103.932	- 110.352

가

Quit	Zoom	Plot Cell	Camera	Analyze	Input- >KEYBOARD	CAMERA FILE
------	------	-----------	--------	---------	------------------	-------------

(ZOOM)

ZOOM

. zoom

가

Cancel	Box	Point	Select type of ZOOM
--------	-----	-------	---------------------

(Box)

가 가

가

가
가

KEYBOARD

Point 1 marked at IMAGE COORDINATES east: 1023.77 north: 506.56	
Enter PHOTO COORDINATES as x and y:	

(x,y)

RETURN

CAMERA FILE

가

CANCEL Double click on the fiducial mark to be referenced

"Look ok?(Y/N)"

가

, N

, Y

(imagery group)

photo_points

Point 1 marked at IMAGE COORDINATES east: 1023.77 north: 1065.41	
Point 1 referenced at PHOTO COORDINATES X: - 105.023 Y: 110.122	
use mouse now...	

(ANALYZE)

(4- 8)

RMS
ANALYZE

#	error		image		photo		
	row	col	photo	east	north	x	y
1	0.0	- 0.9	1.0	1048.5	- 144.8	- 105.023	110.122
2	0.4	1.0	1.3	2153.1	- 567.2	107.987	109.834
3	- 1.2	- 0.5	0.6	1452.8	- 476.5	110.965	- 104.329
4	1.1	0.5	1.3	1034.0	- 109.2	- 103.932	- 110.352
overall rms error:				4.46			

가

DONE	PRINT	FILE	Double click on point to be included/excluded
------	-------	------	---

RMS 'error' 'row, ' 'col, ' 1
 0.0 , - 0.9
 가 RMS 'photo'
 x,y
 RMS
 (mm) . RMS 가

'image' 'east' 'notrh'
 'photo' 'x' 'y'
 ()
 RMS
 photo.2image

(QUIT)

photo.2image

QUIT

(8)

가
가 RMS
RMS 1 (, pixel) 가

i.ortho.photo
photo.camera
photo.2target
photo.init
photo.rectify

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19. Sept. 2000, under GPL

photo.2target

, i.ortho.photo

photo.2target -

photo.rectify

(GRASS Imagery Processing Tool)

i.ortho.photo

photo.2target () (正寫)
(ortho- rectification)

(ortho- rectification)
. GRASS (, 가)가 가
x,y

註)

가

가

()

(가) 가

imagery filename (mag)	target filename (mag)
QUIT ZOOM PLOT CELL ANALYZE	

, 가 .

Double click on cell file to be plotted
 Double click here to cancel

Mapset imagery	
gs 13.1	gs 21.1
gs 14.1	gs 22.2

, 12
 .
 photo.rectify .

(ZOOM)

ZOOM . zoom
 가 .

Cancel	Box	Point	Select type of ZOOM
--------	-----	-------	---------------------

(Box)

, 가 가 .

가
가

가

Point 1 marked at IMAGE COORDINATES IMAGE X : 1023.77 IMAGE Y : - 164.41	
Enter CONTROL COORDINATES as east,north,elevation:	

(easting)

(northing)

(elev.)

RETURN

PLOT CELL

, target

cell- map

PLOT CELL

Cancel	Indicate which side should be plotted
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가

Double click on cell file to be plotted
Double click here to cancel

Mapset demo	
tm.rectified	
tm.classified	
Mapset PERMANENT	
elevation	geology
slope	soils
aspect	
roades	
streams	
airfields	

가

input method - - >	keyboard	screen
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KEYBOARD

SCREEN

target

cell- file

가

Point 5 marked at IMAGE COORDINATES IMAGE X : 1023.77 IMAGE Y : - 164.41 Control Point location Ease : 679132.57 North: 4351080.67 Elevation: 1010.00	
use mouse now...	

target

(ANALYZE)

(4- 7)

RMS

ANALYZE

#	error		target	image		control		
	east	north		east	north	east	north	elev.
1	0.0	- 0.9	1.0	48.5	4.8	79132.5	351080.6	10.0
2	0.4	1.0	1.3	53.1	7.2	84314.7	399001.4	239.3
3	- 1.2	- 0.5	0.6	52.8	6.5	67841.4	457682.8	209.5
4	1.1	0.5	1.3	34.0	9.2	77573.8	352626.4	432.5
5	- 2.7	14.0	14.2	48.6	- 144.9	79132.6	351080.7	985.0
overall rms error: 4.46								

가

DONE	PRINT	FILE	Double click on point to be included/excluded
------	-------	------	---

RMS

'error'

"east"

"north"

```

1
0.0m, - 0.9m
target RMS 'target'
target RMS (meter)
RMS 가
, target 'image' 'east' 'north'
'east','north' 'elev' 'control'
( ) RMS
photo.2target

```

(QUIT)

```

photo.2image QUIT
,
inversion) 가 가 (matrix
equation' 가 'non-singular normal
photo.init 가 ,
(analyze) 가
RMS 12 15 가
RMS 1 ( , pixel) 가

```

- i.ortho.photo
- photo.camera
- photo.2image
- photo.in it

photo.rectify

Mike Baba, DBA Systems, Inc.

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