

6086 . . 11442
E-mail: zalmostafa@kacst.edu.sa

:

31

16

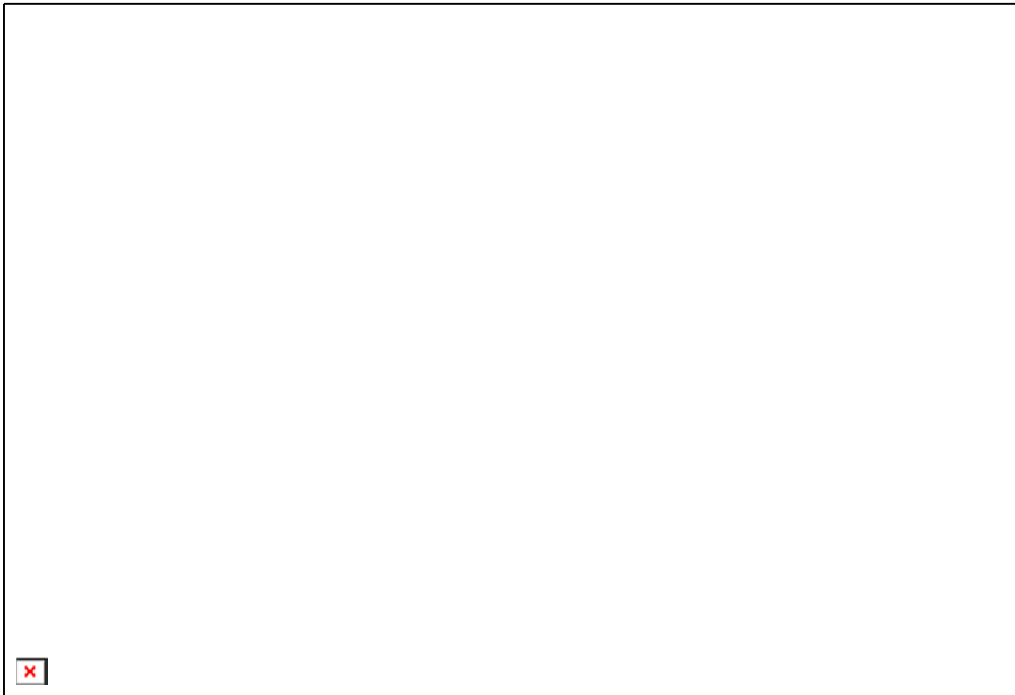
: .1

.(1)

(2001)

"

"
(2001)



:)

.(1)
.(1442- 1417

40 25

25

40 25

. 26

: .2

Mica 1.5

(2005-2000)

-:

.

.1

.

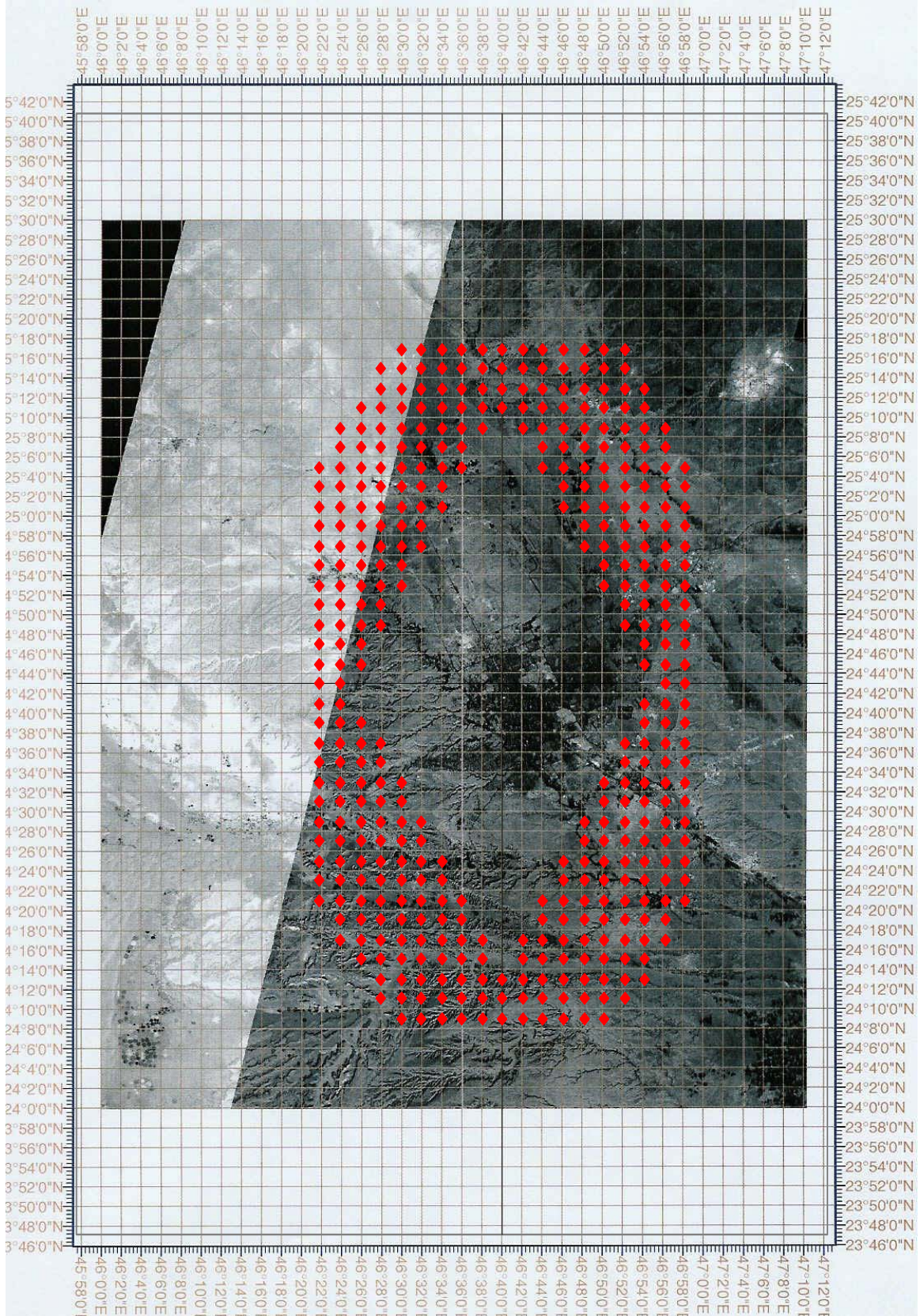
.2

.

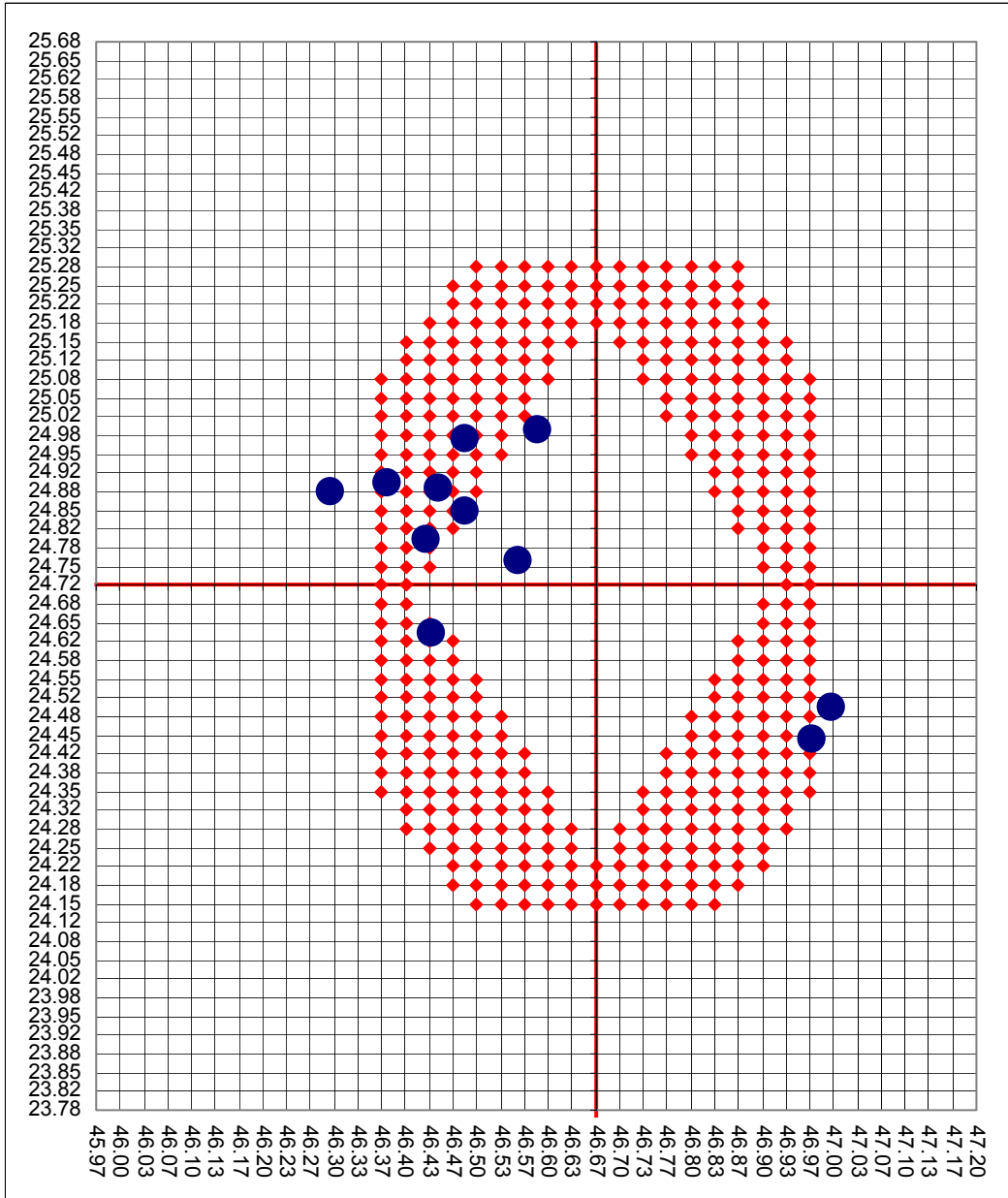
.3

. 1442- 1417

:) .(2)
(



.(3)



(2)

(3)

43 24 40 46

(3)

.(1)

.(1)

58	59	24	01	35	46	
07	59	24	02	29	46	
15	54	24	30	22	46	
38	53	24	50	26	46	
20	53	24	40	17	46	/
02	48	24	43	25	46	
11	51	24	02	29	46	
45	45	24	30	33	46	
56	37	24	08	26	46	
55	29	24	45	59	46	
30	26	24	04	58	46	

:

.3

(2005-2000)

:

.1

.2

.3

:

.4

:

.5

"

2001

[1]

.2001

"

[2]

The Astronomical Almanac, U.S. Government Printing Office, Washington, D.C., 20402., 2003.

1442-1417

[3]

Mica 1.5

[4]

MICA 1.5 is a product of the Astronomical Applications Department of the U.S.Naval Observatory, Willmann-Bell, Inc., 2000-2005.