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Rosenberg and Verma.)

Steadman

(<http://climate.virginia.edu/apparent>) , 1993

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(<http://www.bom.gov.au/info/thermal.stress>
1995 Moran and Morgan

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(HI)

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(1996²AMS Glossary)

(T_a)

(AT)

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(T_d)

(Oneill, et al., 2003) (Maynarol,et al. , 2007)

$$AT = -2.653 + (0.994T_a) + (0.0153T_d^2)$$

(Moran and

Morgan, 1995)

(Moran and Morgan, 1995) (Rosenberg,1993) .

(Danielson,et al. , 2003)

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(2007) Nilsson

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$$MT_{max i} = \frac{\sum_{j=1}^{22} T_{max ij}}{22}$$

MRH_{max} MRH MT_{min} MT_{max} MT

MRH_{min}

)

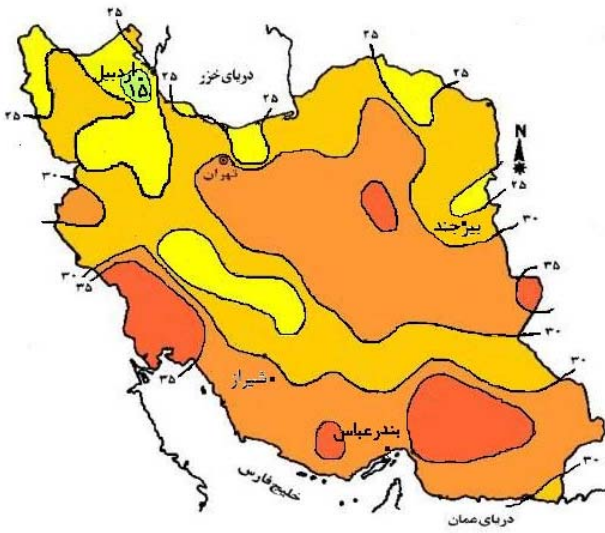
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$$MMT_{max i,k} = \frac{\sum_{i=1}^{31} MMT_{max i}}{31}$$

MMT_{max i,k}

k . k

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(<http://www.irimet.net/irimo/publications/>)

RH_{max} RH)

(T_{min} T_{max} T)

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(RH_{min}

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j ()

i

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T_{minij} T_{maxij} T_{ij}

RH_{minij} RH_{maxij} RH_{ij}

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(MT_{maxij})

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(Moran and Morgan, 1995)

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Rosenberg, et (Moran and Morgan, 1995)

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(al., 1993)

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	C°	III
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(MT_{min} MT_{max})

(MRH_{min} MRH_{max})

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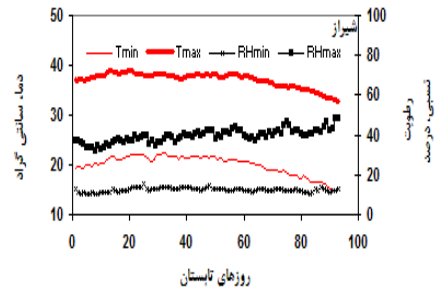
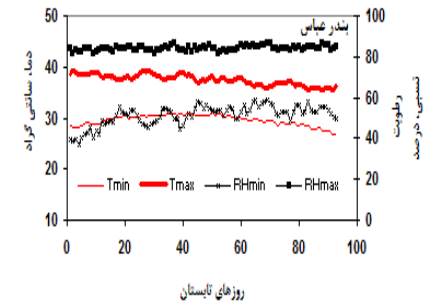
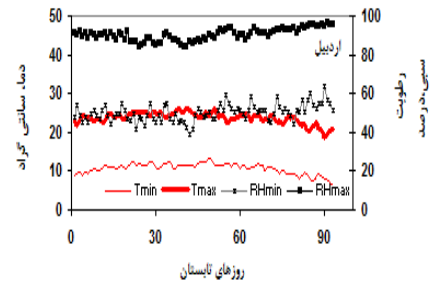
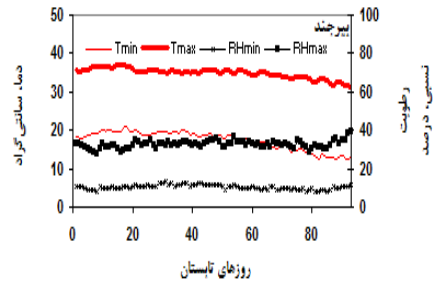
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(Moran and Morgan, 1995)



(MT_{max})

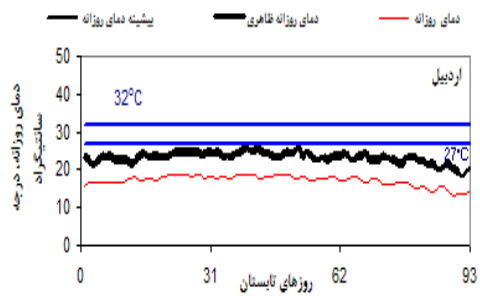
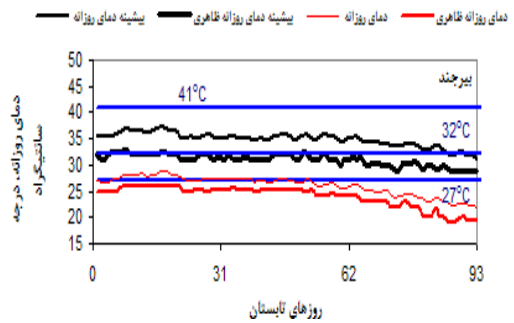
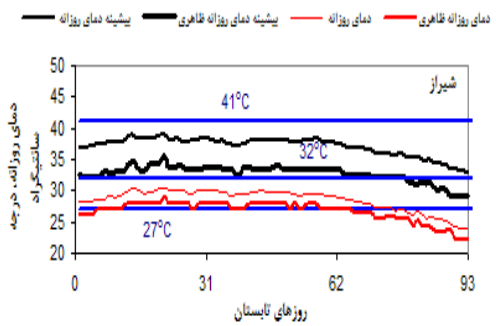
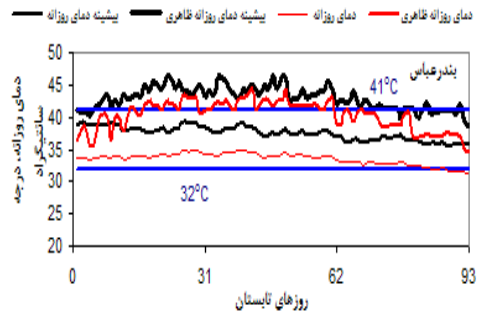
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(MRH_{min})

(MRH_{max})

(MT_{min})

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(III)

(II)

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(MTmax)

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(IV)

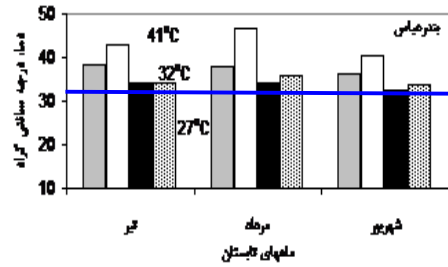
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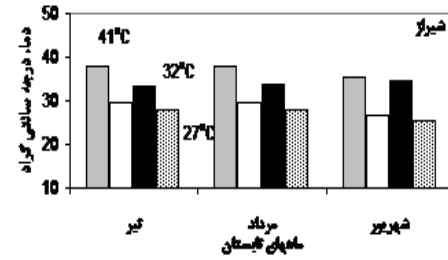
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(MMT_{max} MMT)

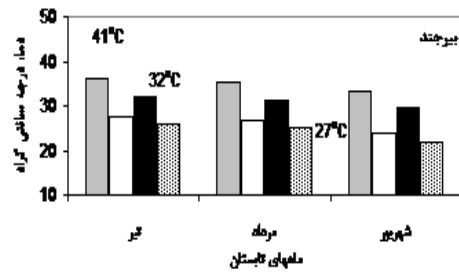
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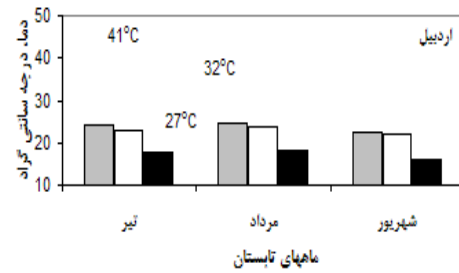
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دمای ظاهری ماهانه \square بیشینه دمای ظاهری ماهانه \blacksquare دمای ماهانه \square بیشینه دمای ماهانه \square



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(MMT)

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(MMTmax)

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- 1- Heat Index
 - 2- American Meteorological Society
 - 3- Apparent Temperature

American Meteorological Society, Edited by: Ira W. Geer. 1996. Glossary of Weather and Climate. 272pp.

Critchfield, H. J. 1983. General Climatology Prentice Hall. 412pp.

Danielson, E., J. Levin and E., Abrams. 2003. Meteorology. Second edition. 558 pp.

http://www.bom.gov.au/info/thermal_stress

<http://climate.virginia.edu./apparent.htm>

<http://www.irimo.ir/english/publication/index.asp>

Maynarol D., et al., 2007. Mortality risk associated with short-term exposure to traffic particles and sulfates. 115(5): 751-755.

Moran, J. M. and Morgan, M. D. 1995. essential of wealth, Prentice Hall New York, 351 pp.

Nilsson, H. O. 2007. Thermal comfort evaluation with virtual manikin methods. *Building and Environment*. 42(12) 4000-4005.

Oneill M. S., A. Zanobetti, J. Schwartz. 2003. Modifiers of the temperature and mortality association in seven US cities. *Am J Epidemiol*. 157(12) 1074-1082.

Rosenberg, B. S. and K. Verma. 1993. *Microclimate: The Biological Environment*, John Wiley & Sons, New York. 495 pp.