

## ***Interactive comment on* “The effect of the total solar eclipse of 29 March 2006 on meteorological variables in Greece” by D. Founda et al.**

### **Anonymous Referee #2**

Received and published: 3 September 2007

#### General Comments

The paper presents new observations on the issue and in many respects confirms previously findings for other regions though. The observed change of the surface pressure gradient during the eclipse has not been assessed although any dynamic response could be possibly masked from local effects. The increased wind speed at Kastelorizo could be an indication of enhanced sea-land circulation noting that the direction of the wind is towards the mainland of Asia Minor.

#### Minor Comments

Fig.1, It will be helpful if the shadowpath and central line of the zone of the totality will be sketched on this figure

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

p.10634, lin.22, instead to the 'left' is better to the 'north' p.10637, lin.15, The normal course of the global solar radiation in Fig.2 should be defined if it is calculated or average over long period observations. p.10640, lin.10-25, I think that the cloudiness fluctuations do not allow us to assess this kind of detailed temperature differences , mainly in the timelags referred on Table2. p.10642, lin.1, orography and 'land-sea' induced.... p.10642, lin.9, polynomial fit of ? order... p.10643, lin.26-27, The correct coordinates are 15 to 35 E and 31 to 46 N

---

Interactive comment on Atmos. Chem. Phys. Discuss., 7, 10631, 2007.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper