

## Total Solar Eclipse of 29 March 2006 and IMPRS Retreat, Antalya, Turkey



Dieter Schmitt, Emre Ishik

## Total Eclipse 2006 Mar 29

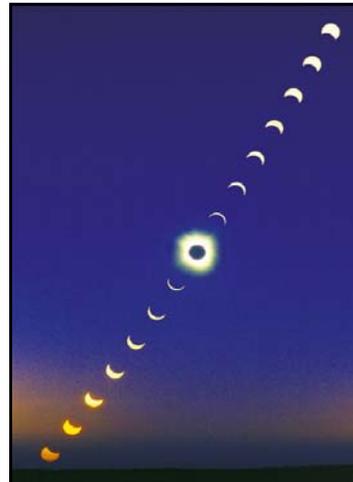
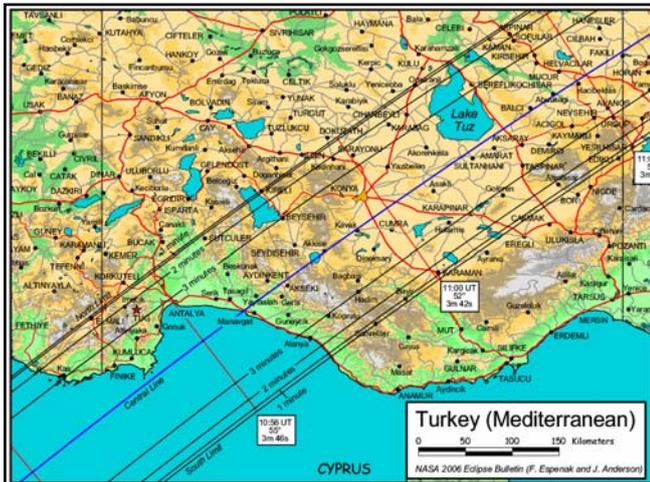
Saros 139



Mag. = 1.052  
Gam. = 0.384

Alt. = 67°  
Dur. = 4<sup>m</sup> 07<sup>s</sup>

F. Espenak, NASA's GSFC



### Eclipse times 29 March 2006 Manavgat (LT)

- 1st contact: 12:38:30
- 2nd contact: 13:55:10
- 3rd contact: 13:58:50
- 4th contact: 15:13:45

Totality: 3:40 min

- Eye safety
- Filter sunglasses
- Binoculars
- Photography

- [www.baader-planetarium.com/sofifolie/sofi\\_start\\_e.htm](http://www.baader-planetarium.com/sofifolie/sofi_start_e.htm)
- [sunearth.gsfc.nasa.gov/eclipse/eclipse.html](http://sunearth.gsfc.nasa.gov/eclipse/eclipse.html)
- [www.mreclipse.com](http://www.mreclipse.com)
- [www.eclipse-chasers.com](http://www.eclipse-chasers.com)
- [www.zam.fme.vutbr.cz/~druck/eclipse](http://www.zam.fme.vutbr.cz/~druck/eclipse)

## Eclipse Phenomena

- |                        |                       |
|------------------------|-----------------------|
| First contact          | Brightness / darkness |
| Crescent images        | Temperature           |
| Shadow of the moon     | Nature                |
| Flying shadow bands    | Animals, flowers      |
| Baily's beads          | People                |
| Diamond ring           | ...                   |
| Totality: Chromosphere |                       |
| Prominences            |                       |
| Corona                 |                       |



Crescent Images



Shadow of the Moon



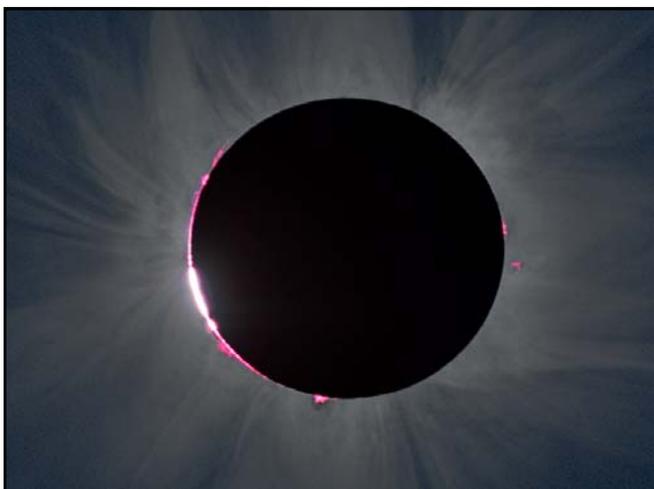
Flying Shadow Bands

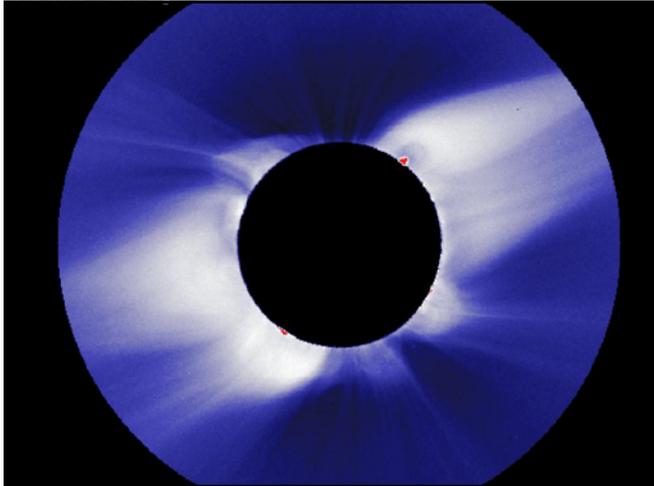
15:13:16



Baily's Beads

Diamond Ring





## Travel Times

Saturday, 25 March 2006	Bus from Lindau Göttingen	14:30 15:00
	Hannover, XQ 653 Antalya	19:10 23:30
Saturday, 1 April 2006	Antalya, XQ 652 Hannover	15:30 18:10
	Bus to Göttingen and Lindau	

## Schedule

Saturday	Arrival
Sunday	Free day in Antalya
Monday morning	Course on Solar Corona (E. Marsch, H. Peter)
Monday afternoon	continued
Tuesday morning	continued
Tuesday afternoon	Seminar on Ethics of Science and Good Scientific Practice (M. Schüssler)
Wednesday	Eclipse day excursion incl. Aspendos and Side
Thursday morning	Seminar on Job Application (D. Schmitt)
Thursday afternoon	Free afternoon
Friday	Excursion: Lycia incl. Phaselis, Olympos, Chimaera
Saturday morning	Free morning
Saturday noon	Departure

## The Solar Corona

Hardi Peter, Eckart Marsch

HP: From eclipse drawings to the coronagraph and spectroscopy	EM: Open magnetic structures – Coronal holes and solar wind
EM: The solar atmosphere and magnetic field	HP: Stellar coronae
HP: Modern observational techniques	EM: The microstate of the solar corona and solar wind
EM: Coronal heating and energetics	HP: Space weather and solar terrestrial relations
HP: Closed magnetic structures – Loops and prominences	EM: Structures, waves and turbulence in the heliosphere

## Research Ethics and Good Scientific Practice

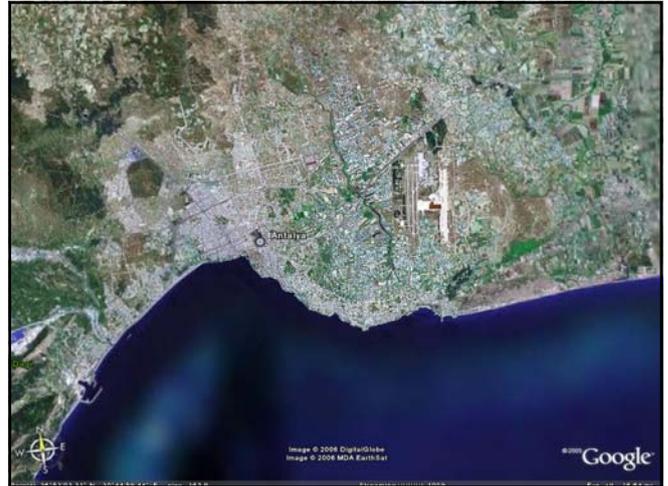
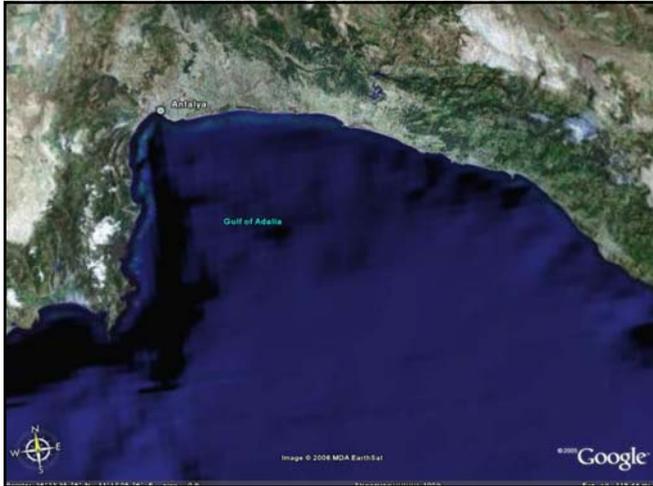
- A brief overview -  
Manfred Schüssler

- Why lecture on Research Ethics?
- What is scientific misconduct?
- Conducting, reporting, and funding of science
- Relationship in research groups
- Conflicts of interest and conflicts of commitment
- Rules and procedures of the Max Planck Society
- Example cases for further thought and discussion

# Job Application

Dieter Schmitt

- Self assessment
- Job hunting strategies
- Application papers: cover letter, CV, ...
- Interview preparation
- Following up





## What to see

Yivli Minaret / Alaeddin Mosque  
 Murat Pascha Mosque / Clock Tower  
 Harbour  
 Kesik Minaret  
 Kaleici Museum  
 Hadrian Gate  
 Hidirlik Kulesi / Karaalioglu Park  
 Archaeological Museum

[www.antalya-ws.com/english](http://www.antalya-ws.com/english)  
[www.antalyaguide.org](http://www.antalyaguide.org)

## Restaurants

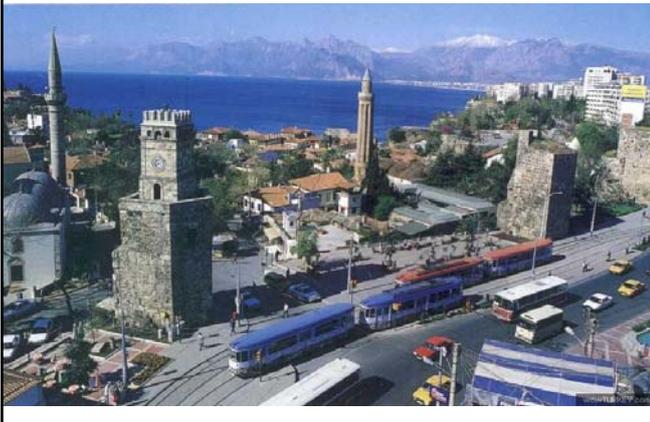
Restaurant Hasanaga, Mescit Sok 15  
 Deniz Restaurant, Parkici Belediye Nikah Salonu  
 Parlak Restaurant, Kazim Özalp Cad 7  
 Restauant Cafe Gül, Kocatepe Sok 1  
 Cumba, Kocatepe Sok 3

## Night life

...



Kalekapisi with Yivli Minaret

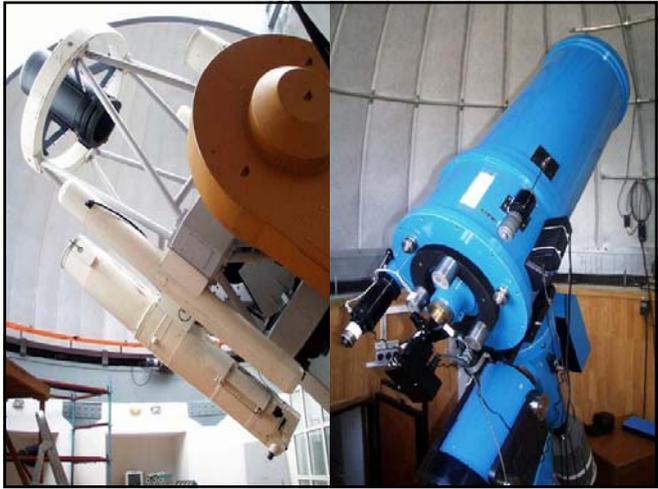
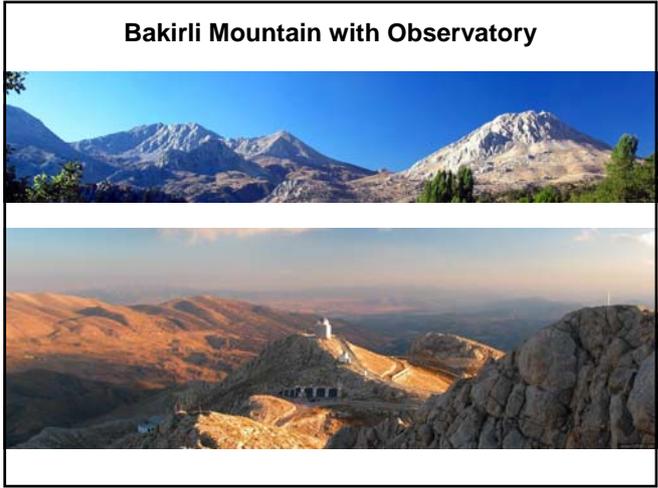


Alaeddin Mosque



Aspendos







We wish us  
**informative seminars,  
interesting excursions**  
and, most importantly,  
**crystal clear skies  
on 29 March 2006**