Kerkenes
and the Eclipse
ve Güneş Tutulması

http://www.metu.edu.tr/home/wwwkerk/index.html

T.C. KÜLTÜR BAKANLIĞI
REPUBLIC OF TURKEY MINISTRY OF CULTURE
Anıtlar ve Müzeler Genel Müdürlüğü
General Directorate of Monuments and Museums
Figure 1: An aerial photograph, provided by Tapu ve Kadastro, from which MNG Bilgisayar created a digital contour map. The different layers of information have been overlaid by Deniz Külşay with input from Levent Topaktaş of Inergraph.

Şekil 1: Tapu ve Kadastro tarafından sağلانan hava fotoğrafı ve bu fotoğraftan MNG Bilgisayar'da oluşturulmuş kontur haritası. Değişik katmanlardaki bilgiler, Inergraph'dan Levent Topaktaş'ın sağladığı girdilerle Deniz Külşay tarafından oluşturuldu.
The once dominant Assyrian Empire fell to the combined power of the Medes and Babylonians c. 612 BC. The Medes extended their empire westwards across the highland plateau of Anatolia to the Kızılorman (The Red River) and built an immense new city, called Pteria by Herodotus, on the Kerkenes Dag. Herodotus tells us that the Medes fought a protracted war with the Lydians which came to an end in the sixth year when, during a fierce battle, day was turned to night as predicted for that same year by Thales. This "Battle of the Eclipse", as it came to be known, took place on the afternoon of May 28, 585 BC. The ensuing peace treaty, brokered by the Cilicians and the Babylonians, settled the imperial borders and was consolidated by royal marriages between the protagonists.

The Median city of Pteria was, according to Herodotus, the most strongly defended place in central Cappadocia. In 1999 the true scale of these defences was revealed for the first time since the city was burnt and its strong stone wall was partly destroyed at the hands of Croesus, king of Lydia. Croesus had asked the famed oracle at Delphi what would happen if he crossed the Kızılorman. He was given the answer he required, "A mighty empire will be destroyed". With the support of the gods, as he thought, he moved his army eastwards, captured Pteria and enslaved its inhabitants, only to bring upon himself the wrath of the charismatic Persian ruler, Cyrus the Great. Around 547 BC the Persian and Lydian armies met in a drawn battle outside Pteria. Croesus went home to Sardis expecting no further hostilities that year. Cyrus swept after him, however, capturing the Lydian capital, Sardis. The oracle was correct; Croesus had destroyed an empire: his own.
Figure 2: The blimp in action.

Sekil 2: Helyum balonuya çekim yaparken.

Figure 3: GPS kinematic survey with three receivers outside the Cappadocia Gate.

Sekil 3: Kapadokya kapısı önünde, üç adet alıcı kullanarak yürütülen, GPS kinematik veri toplama çalışması.

Figure 4: Ibrahim Kars follows the lines of a prepared grid as he collects geomagnetic data.

Sekil 4: İbrahim Kars önceden hazırlanmış kareli iki háltan içindeki ip halatları izleyerek, Jeomanyetik veri toplarken.

Figure 5: Christine Perrier surveying with a Total Station.

Sekil 5: Christine Perrier, Total Station ile ölçüm yaparken.

Figure 6: Kerkenes from the hot air balloon (a. above) showing 7 km of city wall (b. right). Şahmuratlı village is at centre left.

Sekil 6: Sıcak haya balonuyla çekilmiş (a. üstte). 7 kmlik şehir duvarları belgeleyen Kerkenes görüntüü.

(*) Şahmuratlı Köyü orta solda yer almaktadır (b. sağda).
Figure 13: The northern area of the city as seen from the hot air balloon.

Sekil 13: Sıcak havan balonuyla görüntülenen, şehrin kuzey kısmını.

Figure 14: A GPS surface map of the northern area prepared by Scott Branting from a portion of the data collected in 1998.

Sekil 14: 1998 verilerinin bir bölgesi kullanılarak Scott Branting tarafından oluşturulmuş, şehrin kuzey kısmına ait GPS yüzey haritası.

Figure 15: Geophysical map of the northern area. Data processed with GEOPLLOT and displayed on SURFER by Nehide Ayhan.

Sekil 15: Kuzey kısmının jeofizik haritası. Veriler, Nehide Ayhan tarafından GEOPLLOT ile elde edilmiş ve SURFER'de görüntülendi.
LOCATION/ KONUM

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