

RESUMEN EN INGLÉS

ABSTRACT

This work represents the final results of a six years period of research on Maya region and deals with the relations between architecture and urbanism with landscape and astronomy.

First of all, methodic foundations for architectural and urbanism studies are exposed, starting from the interpretation of landscape data and architectural orientations. To reinforce this, precolonial, colonial and contemporary data are added. The theoretical background founds the author's approach, who speech from an inner perspective, where Maya Worldview is an important issue since it represents his own view. Then the state of the art is exposed in relation to astronomy, landscape, urbanism and architecture, in order to support the discussions on the study cases.

In second place, ten study cases are carried on from an integral perspective. Related to this, we can mention the analysis with new technologies, working together with traditional techniques and landscape analysis around ancient Maya cities. Landscape analysis was carried on with data from NASA via the Shuttle Radar Topography Mission project. Related to the astronomy issue, the archaeoastronomical methods are implemented in order to understand the architectural orientations in terms of Cosmology and the calendar.

Finally, this dissertation argues that astronomy, the perception of landscape, architecture and urbanism were working together in order to attend not only scientific needs, but also social and religious needs. By doing this, a comprehensive development of Maya society was sought.