



Unusual luminous object transit to moon mass in the locality,of Mare Serenitatis

Konstantinos Grigoropoulos (1,2,3), George Stefanopoulos (2), John Bozovitis (2,3), Konstantinos Dimas (2,3)

(1) University PATRAS - GREECE, Department of Geology, Rio,26500,Patras,Greece , (2) Attika Amateurs Astronomers, 17563, Paleon Faliron - Athens, Greece, (3) Social Security Institute, IKA – ETAM. 18648, Piraeus, Greece,

Many observational studies exist at professional and amateur level regarding unusual phenomena such as dust, unusual lights or unexplained objects orbiting the earth or the lunar field (Valdes and Freitas 1982). The technological progress the last decades (programmable telescopes, high quality CCD cameras, web cameras, etc.) allows the researchers to register even more unusual phenomena, such as strange lights in lunar craters (Sorrentino et al. 1999), LTP phenomena (Kolovos et al. 1988), unknown objects in orbit, which are frequently attributed to unusual formations on the moon surface.

Our amateur-level study has been carried out by taking a video film, and pictures as well, that have been captured during the second semester of 2010, during a normal weekly study procedure of Lunar observations The paper is concerned with an unexplained intense white light on rapid motion, in the Moon body, which seems to move in Mare Serenitatis with a direction from North to Northwest.

(J.F.Schmidt et all 1866).(Secchi et all 1867)

The object has been observed in this trajectory at 16 November 2010 and reappeared again and was photo-observed two times more until December 2010.

The nature and the kinematics of the object remains unexplained to us. Could it be attributed to a kind of an eruption like that of methane fonts or any other type of natural propagation of environmental gases? This simple observational study is directed to the astrophysicists society to give a rational explanation of these unexplained to us phenomena. What conditions and forces influence their appearance? Is it possible to be liberation of moving dust or maybe charged aerosols? In our planet we have similar phenomena of aerosols liberation from the earth's mantel. The possibility of an artificial origin of the object (e.g. an artificial satellite) on, or projected on, the lunar disk should also be examined.