

Simulation of the lunar magnetic field observation by the SELENE orbiter

Iwao Gotoh [1], Tomomi Kubo [1], # Tomotsugu Hiroshima [1], Hideo Tsunakawa [2]

[1] Earth and Planetary Sci., Titech, [2] Earth and Planet. Sci., TITECH

<http://www.geo.titech.ac.jp/tsunakawalab/>

The lunar magnetic anomalies will be more widely mapped by the SELENE orbiter in 2003. We simulated the lunar magnetic field observation by the SELENE to evaluate the quality and quantity of the data. Using the simulation result, the basis of the analytical method was prepared. We also discuss the monitoring system of the sensor alignment which may be changed by distortion of the mast mainly due to the drastic temperature variation during the observation.