## Abstract Submitted for the APR08 Meeting of The American Physical Society

**Eight and a half minutes.**<sup>1</sup> GABRIELE VARIESCHI, Loyola Marymount University — An interesting conceptual question, regarding the actual position of the Sun at sunset or sunrise, is analyzed and discussed in terms of fixed vs. rotating frames of reference. A simple, educational experiment can be easily set up to demonstrate this effect and introduce topics such as rotating systems, apparent motion and the Coriolis effect.

 $^{1}\mathrm{This}$  research was supported by an award from Research Corporation

Gabriele Varieschi Loyola Marymount University

Date submitted: 19 Nov 2007 Electronic form version 1.4