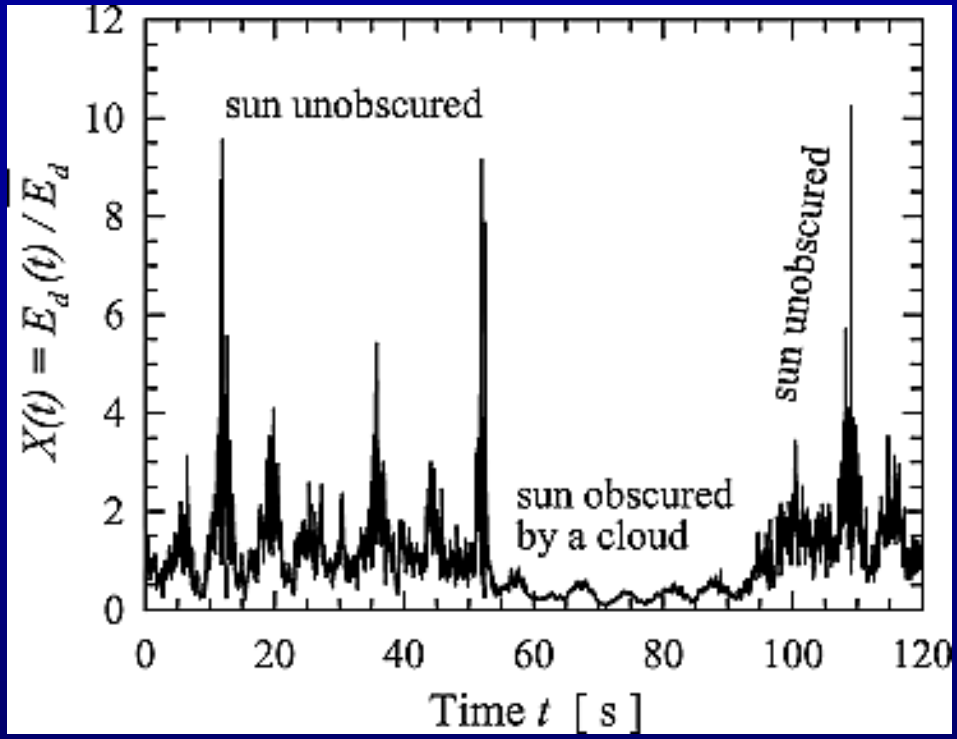

Example fluctuations in downward irradiance measured with the Porcupine irradiance sensor (670 nm)

Time series for the normalized irradiance, $X(t) = E_d(t)/\langle E_d \rangle$ in the open ocean south of the Hawaiian Islands on September 3, 2009 at 10:20 A.M. local time under variable sky conditions with intermittent cloud cover.

Depth z = 1.7 m, solar zenith angle = 32°, wind speed W = 10 m s^{-1}, and the beam attenuation coefficient of seawater at 555 nm, c(555) = 0.10 m^{-1}.

Darecki et al., 2011.