

Electronic Supplementary Material 1

When night never falls: Female sexual signalling in a nocturnal insect along a latitudinal gradient

In: Behavioral Ecology and Sociobiology

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Fig. S1 Illustration of the measurement devices for ambient light measurements

Fig. S2 An emission spectrum curve of an ambient light measurement

Fig. S3 A graph of the relationship between latitude and peak wavelength of female glow

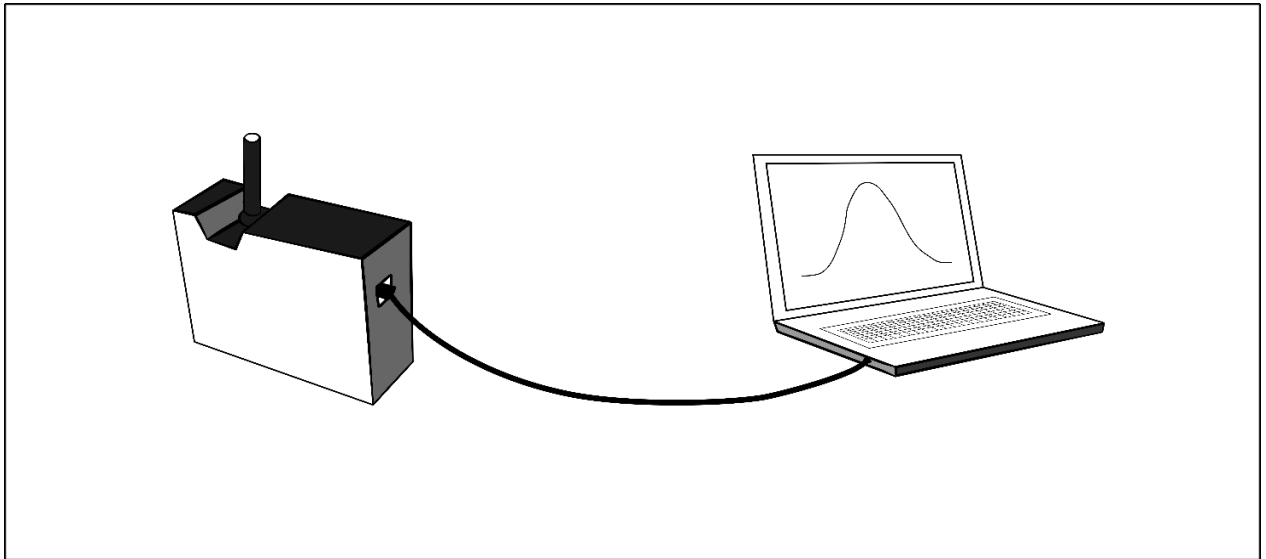


Fig. S1 The measurement equipment for ambient light measurements. Computer is connected to the spectrometer and cosine-corrected irradiance probe with a 1.5-meter long cable. The cosine-corrected irradiance probe gathers ambient light from 180° angle from the glowing spot of a female

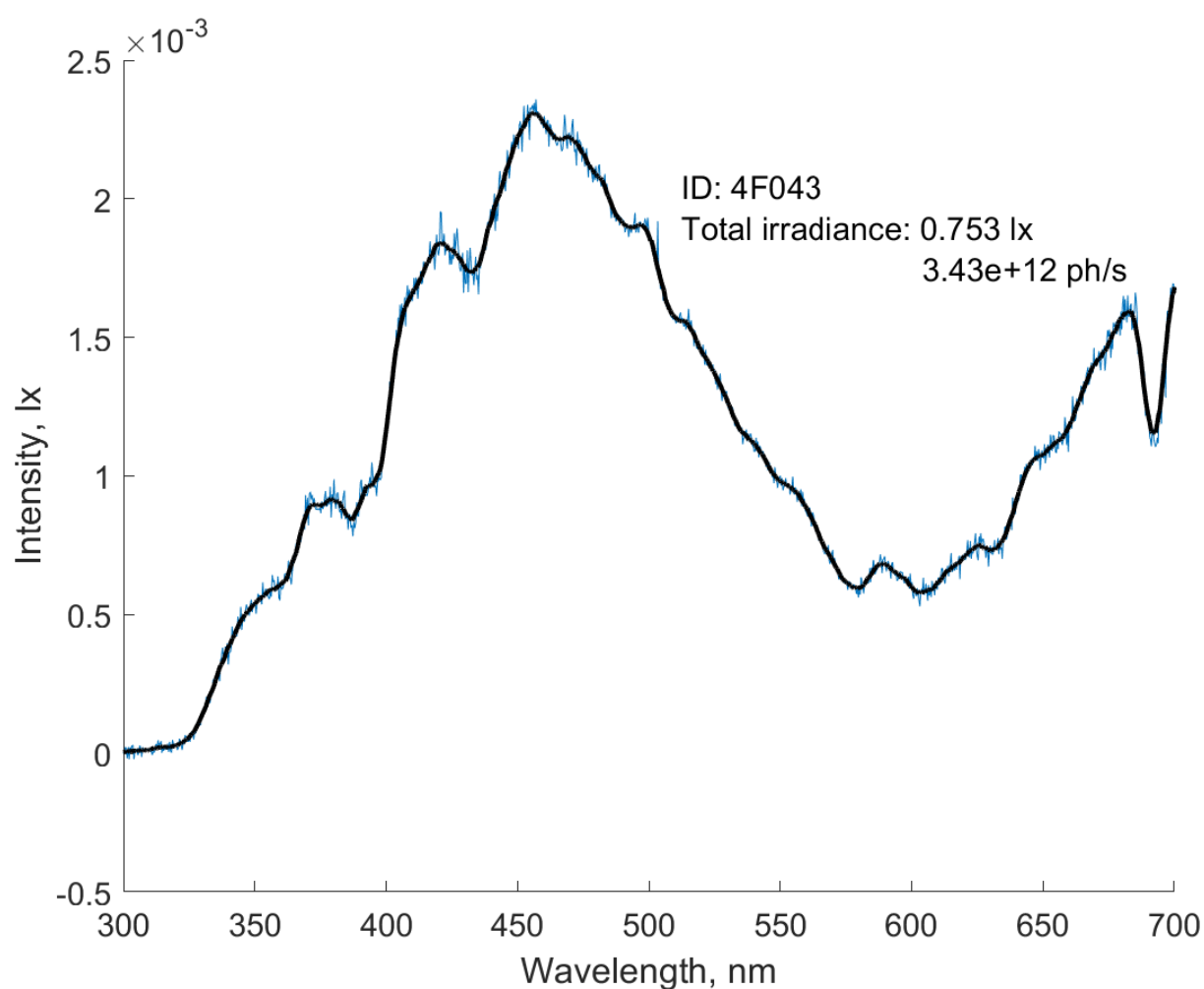


Fig. S2 An emission spectrum curve of ambient light, measured from a glowing spot of a female. The default integration time was 3.0 s. Intensity is given in lux, wavelengths are in nanometres. Total intensity (in lx and photons/s) was calculated with MATLAB R2016b (the MathWorks Inc., USA)

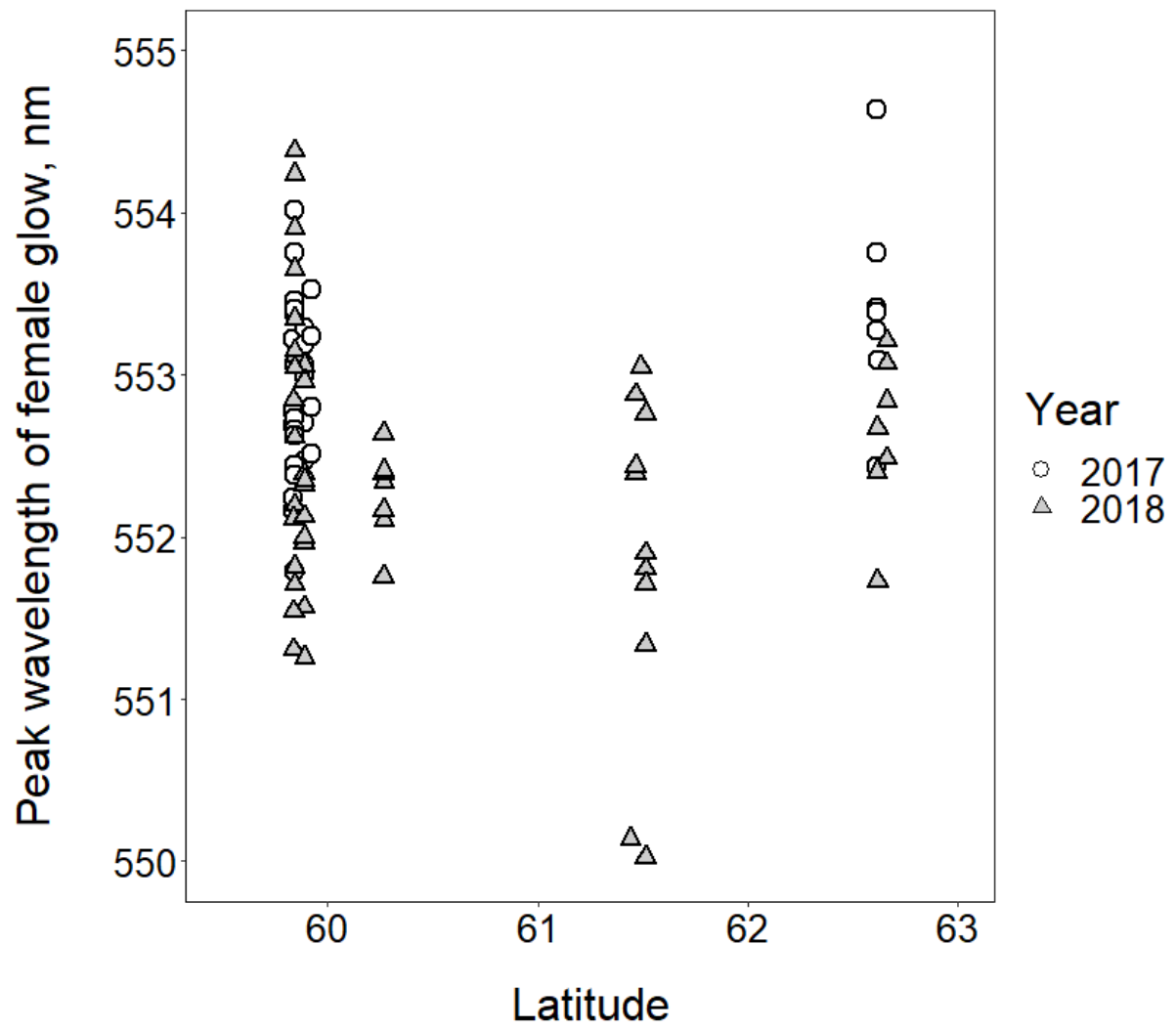


Fig. S3 Effect of latitude on the peak wavelength of female glow in 2017 ($N = 34$, $r = 0.37$ and in 2018 ($N = 51$, $r = -0.12$)