

EE 446/646 – Assignment # 2

Name:

Use TMY3 data associated with Las Vegas, NV to determine the daily average solar energy (kWh/m²/day), or Peak-Sun-Hours, for each month of the year monthly, as well as the for the entire year for a solar collector with the following orientation:

- a) Horizontal.
- b) Faces East with at tilt of 23 deg.
- c) Faces South with at tilt of 23 deg.
- d) Faces West with at tilt of 23 deg.
- e) Faces North with at tilt of 23 deg.

Ignore the reflected portion of sunlight. Plot your results.