Electronic Incoming Solar Radiation Methodology

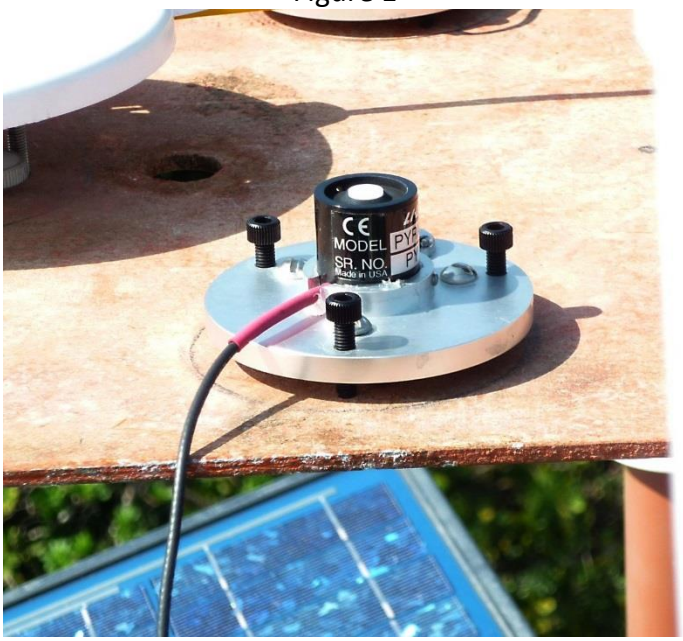
(Last rev. 15/03/2017)

Incoming solar radiation is measured electronically using two LiCor Model Li200x Pyranometers (see figure 1) located at approximately 3m on a triangular tower. The sensors are designated as North (n) and South (s). Solar radiation files have the format: “Bocas_tower_sr[n/s]”.

Incoming solar radiation is sampled once every 10 seconds. The average, minimum and maximum values are recorded every 15 minutes.

Sensor elements are replaced with newly recalibrated sensors every year according to the manufacture’s recommendations.

Figure 1




Close-up of LiCor Li200x Pyranometer

Figure 2

Paired Pyranometers (with protective caps used during installation)