



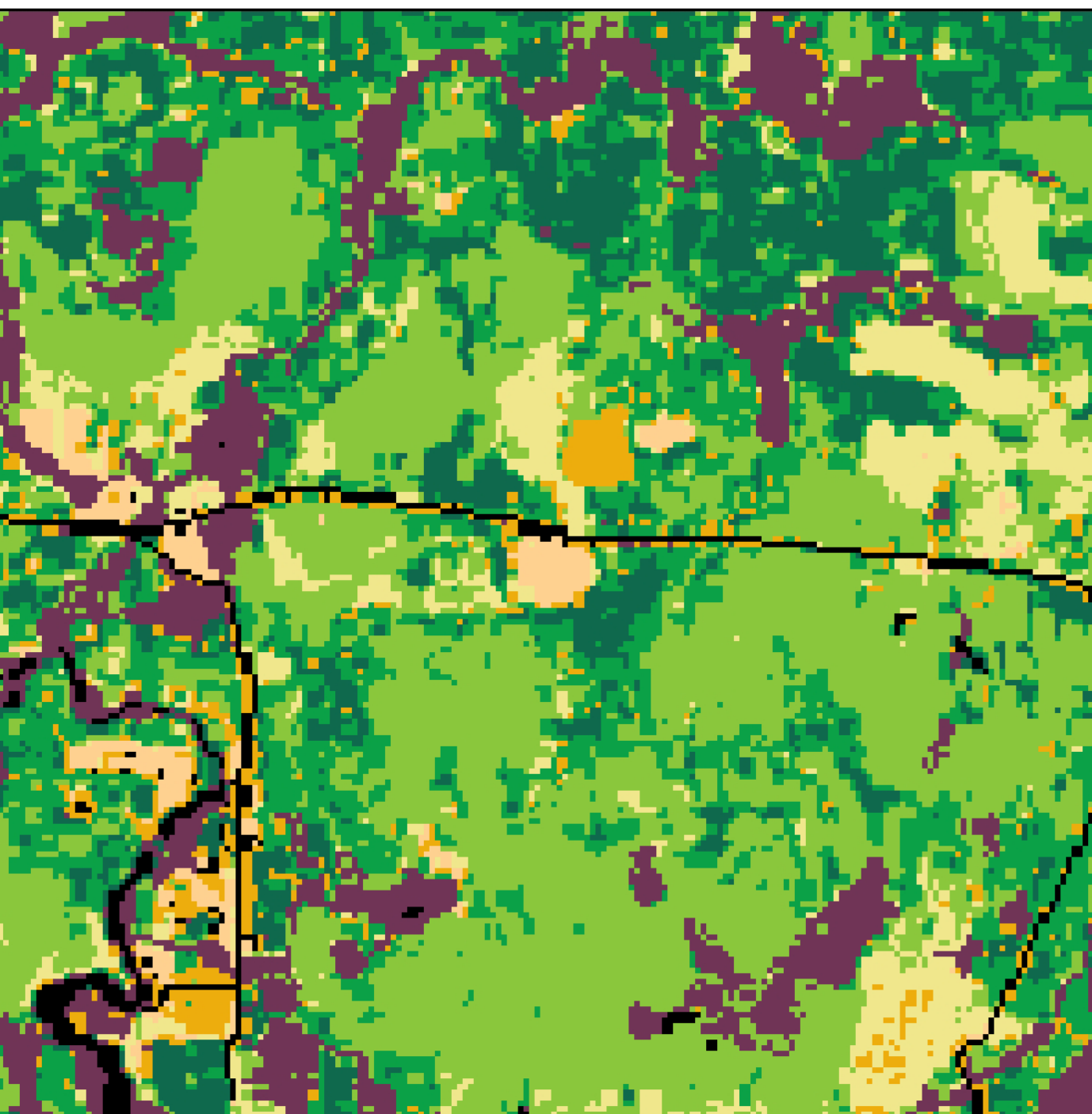
# Land Cover

Year: 2002

Site: CHEQ (Wisconsin, USA)

Biome: Mixed Forest

-  Conifer Forest
-  Hardwood Forest
-  Mixed Forest
-  Savanna
-  Shrubland
-  Grassland
-  Wetland
-  Water / Built-Up



1 km  
WGS84 - UTM 16N





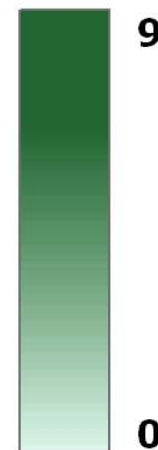
# Leaf Area Index

Year: 2002

Site: CHEQ (Wisconsin, USA)

Biome: Mixed Forest

$m^{-2}$   $m^{-2}$



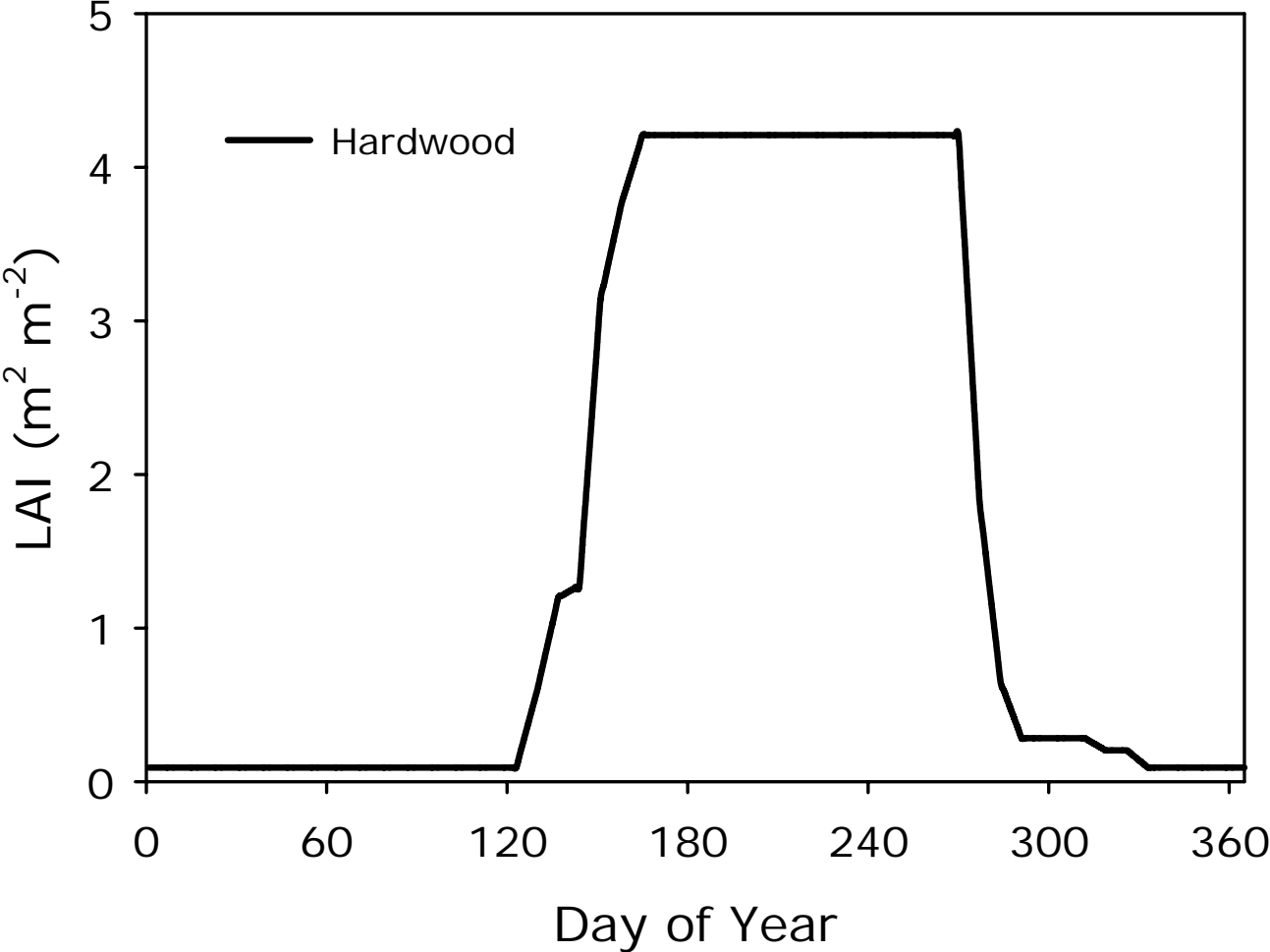
1 km

WGS84 - UTM 16N



**BigFoot**  
**LAI Seasonal Trajectory**  
**Hardwood Forest**

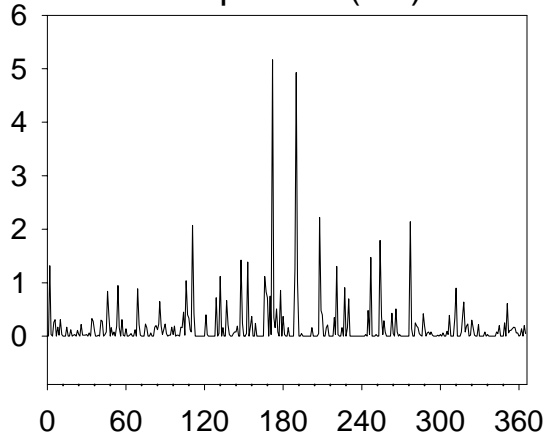
**Year: 2000**  
**Site: CHEQ (Wisconsin, USA)**  
**Biome: Mixed Forest**



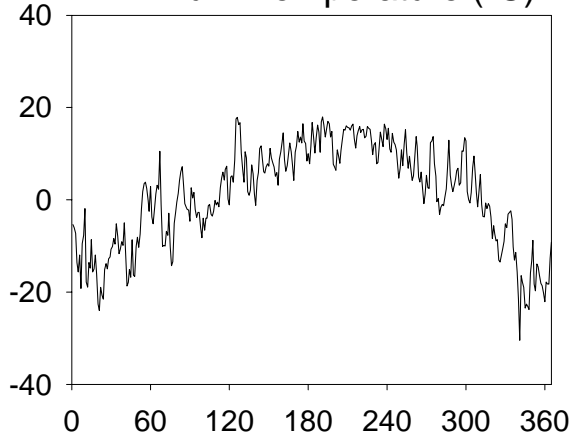
# BigFoot Meteorological Inputs

Year: 2000  
Site: CHEQ (Wisconsin, USA)  
Biome: Mixed Forest

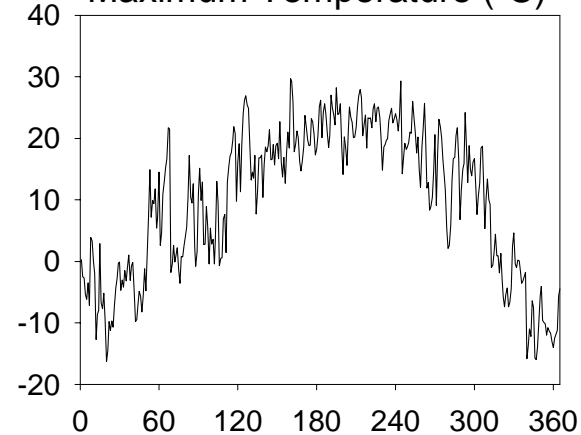
### Precipitation (cm)



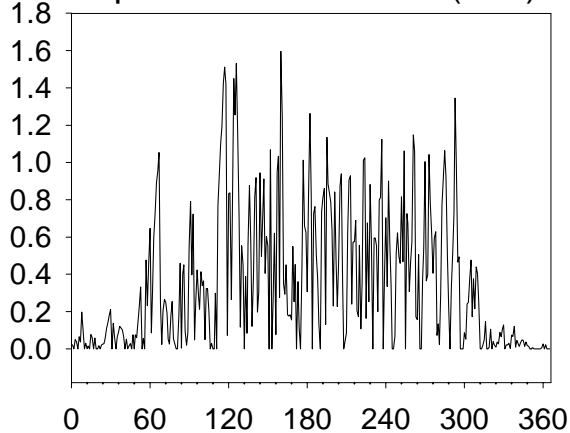
### Minimum Temperature (°C)



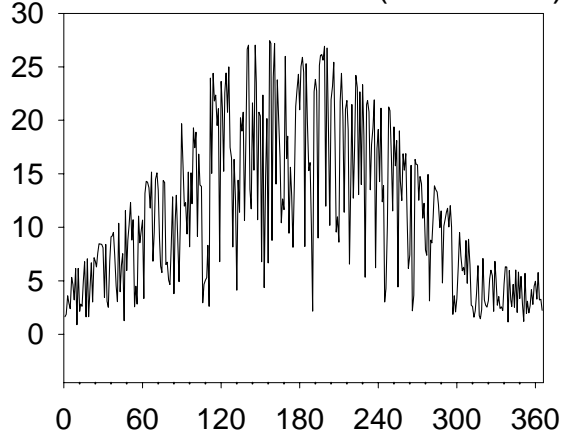
### Maximum Temperature (°C)



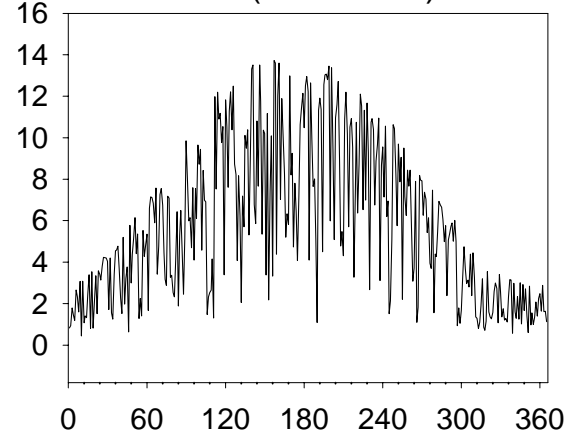
### Vapor Pressure Deficit (kPa)



### Shortwave Radiation (MJ m<sup>-2</sup> d<sup>-1</sup>)



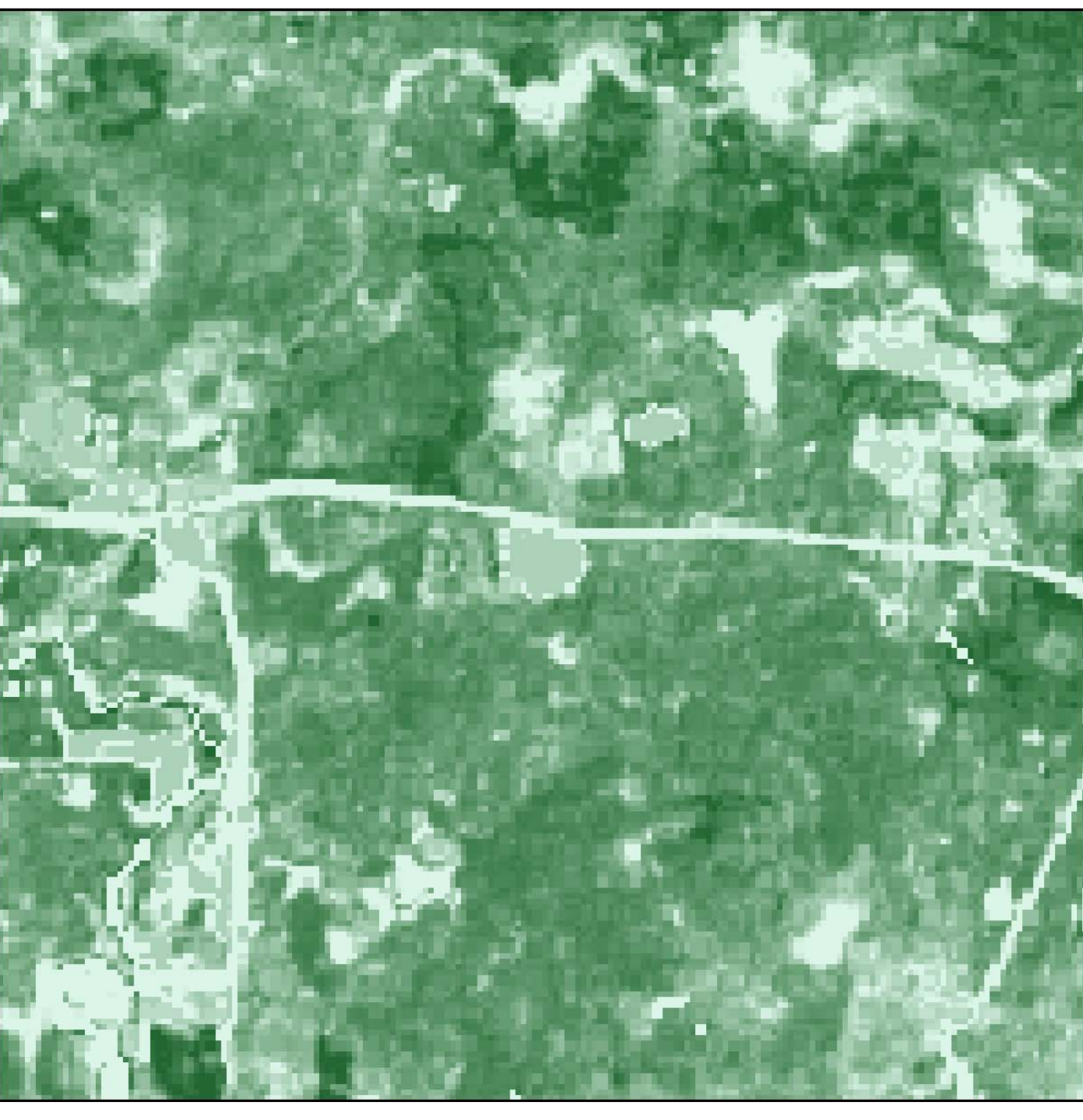
### PAR (MJ m<sup>-2</sup> d<sup>-1</sup>)



Day of Year

Day of Year

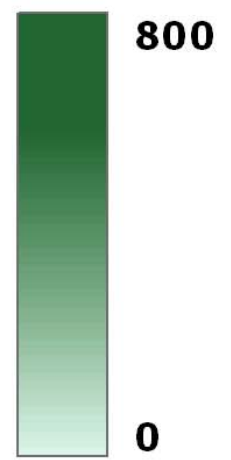
Day of Year



# Net Primary Production

Year: 2000  
Site: CHEQ (Wisconsin, USA)  
Biome: Mixed Forest

$\text{gC m}^{-2} \text{yr}^{-1}$



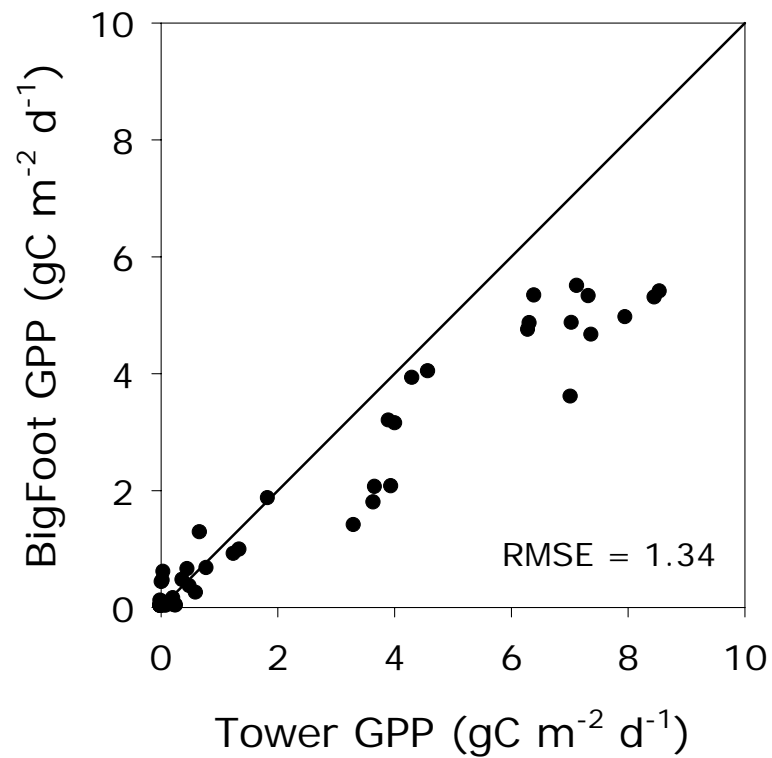
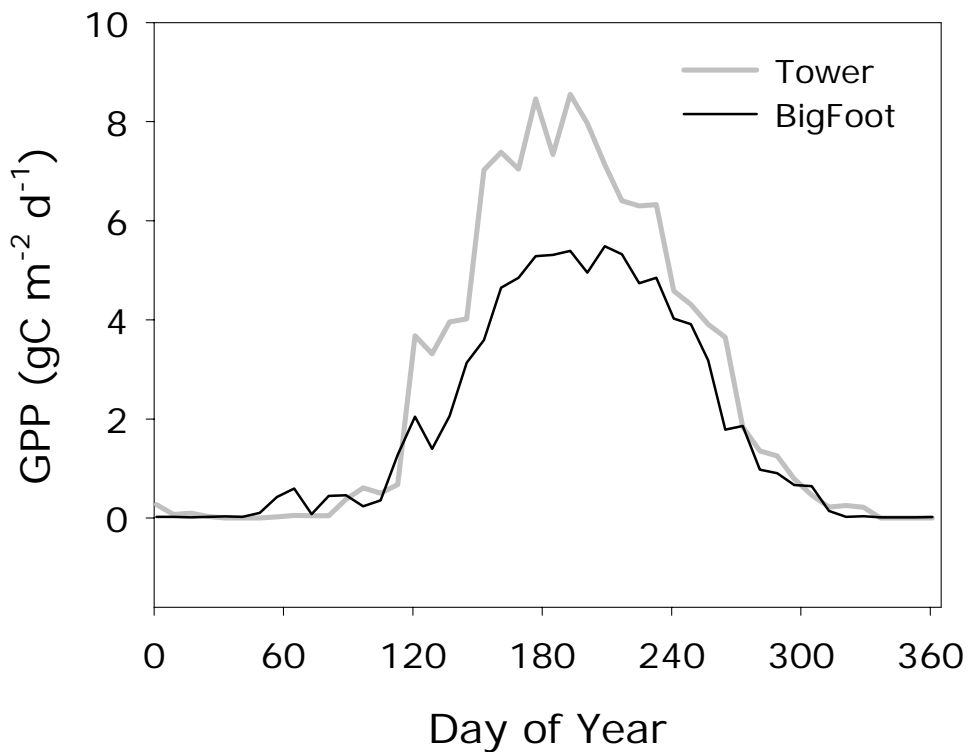
1 km  
WGS84 - UTM 16N



[www.fsl.orst.edu/larse/bigfoot](http://www.fsl.orst.edu/larse/bigfoot)

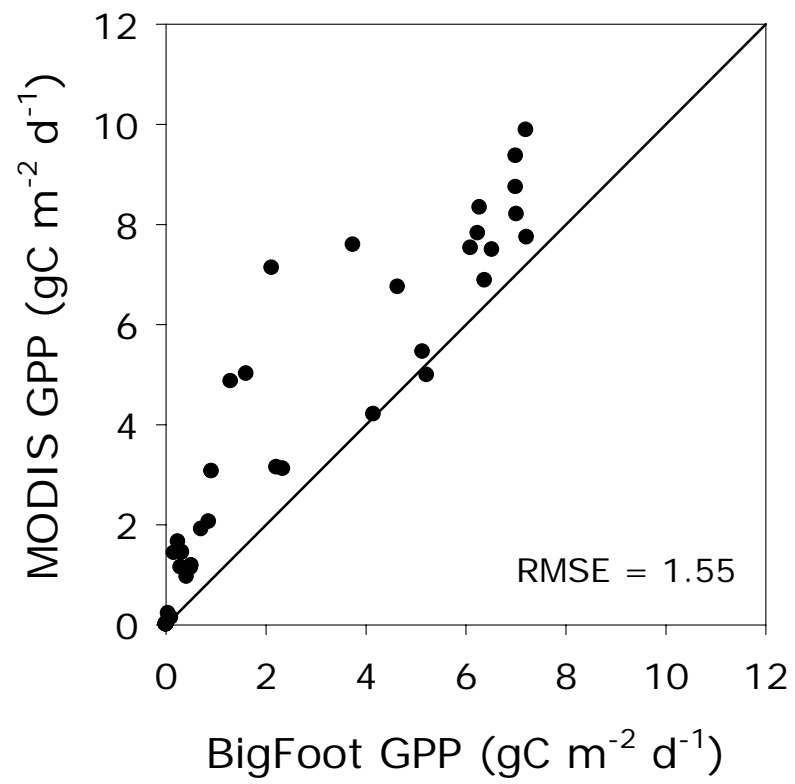
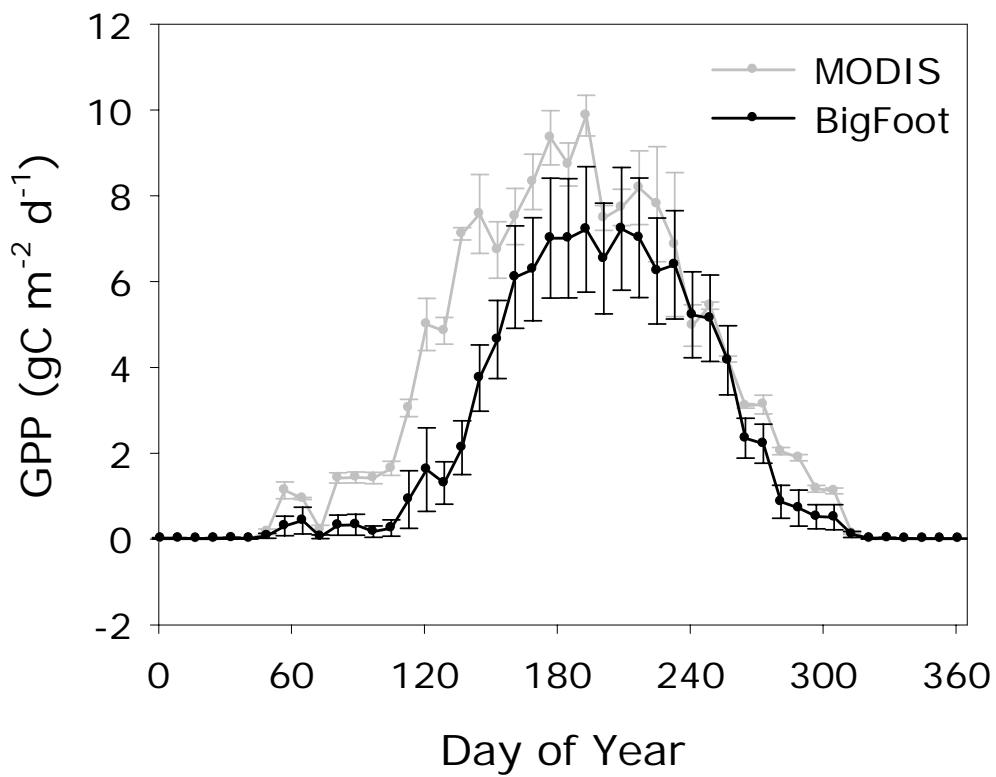
**BigFoot**  
**GPP Comparison**  
**BigFoot vs. Tower**

**Year: 2000**  
**Site: CHEQ (Wisconsin, USA)**  
**Biome: Mixed Forest**



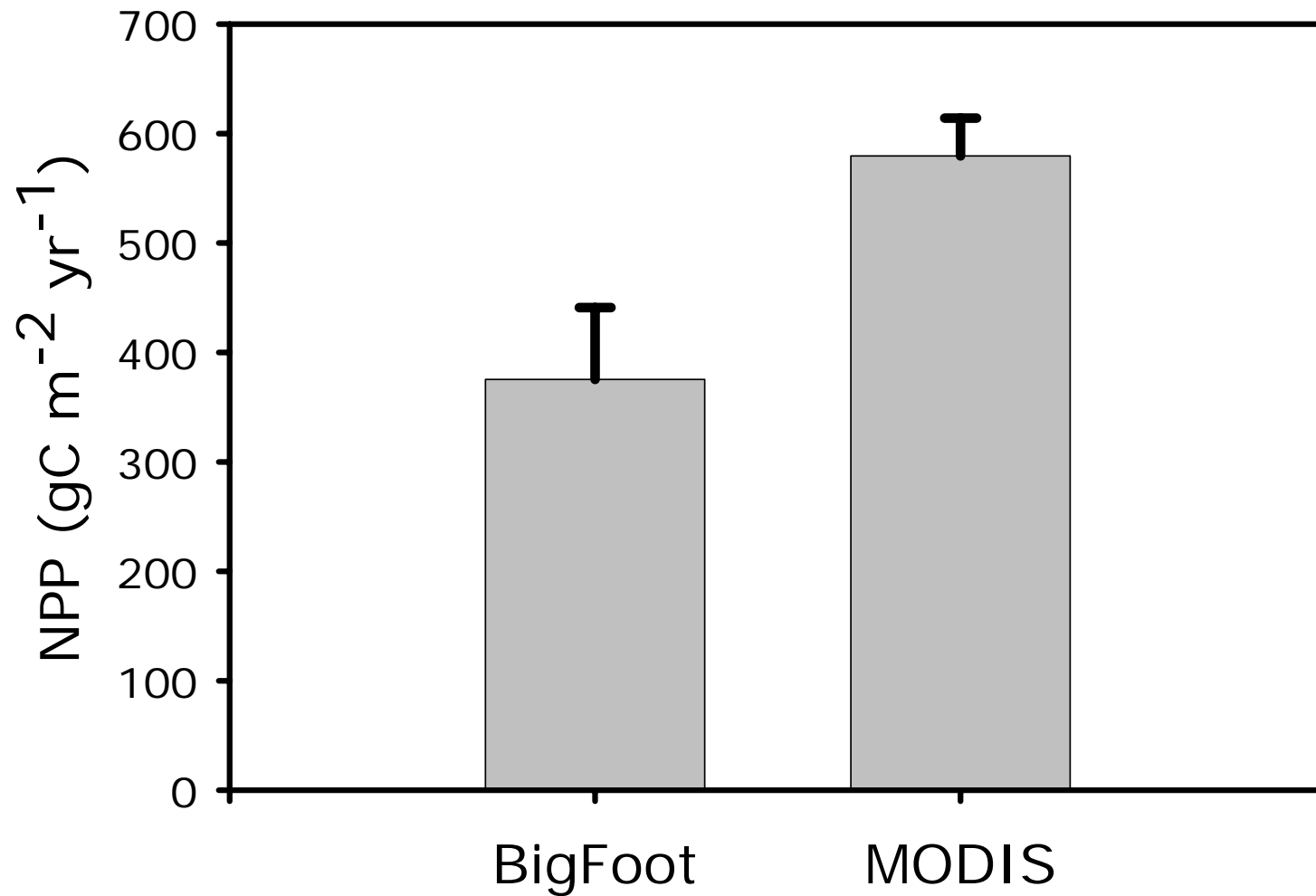
**BigFoot**  
**GPP Comparison**  
**BigFoot vs. MODIS**

**Year: 2000**  
**Site: CHEQ (Wisconsin, USA)**  
**Biome: Mixed Forest**



**BigFoot  
NPP Comparison  
BigFoot vs. MODIS**

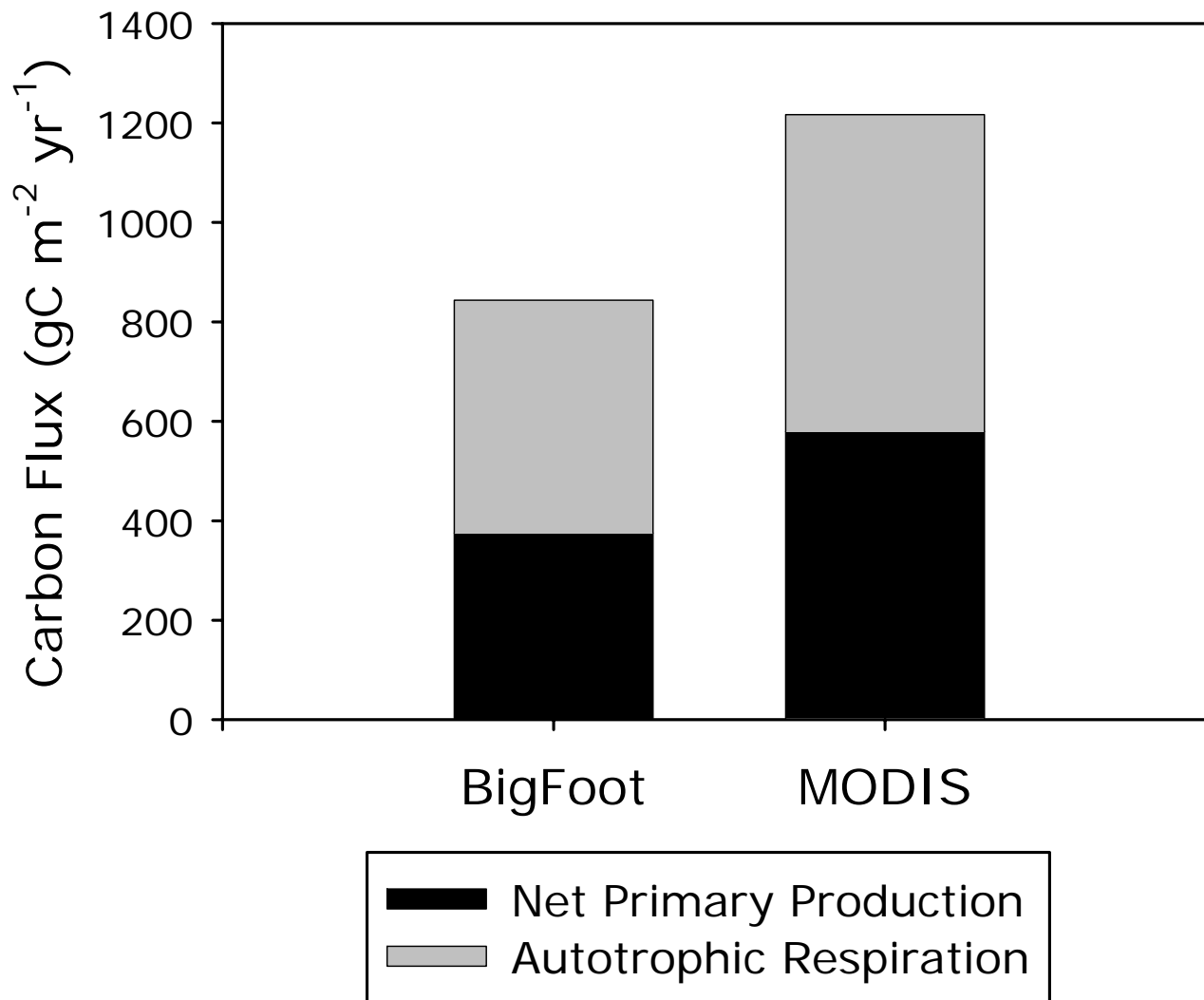
**Year: 2000  
Site: CHEQ (Wisconsin, USA)  
Biome: Mixed Forest**





**BigFoot**  
**Carbon Flux Comparison**  
**BigFoot vs. MODIS**

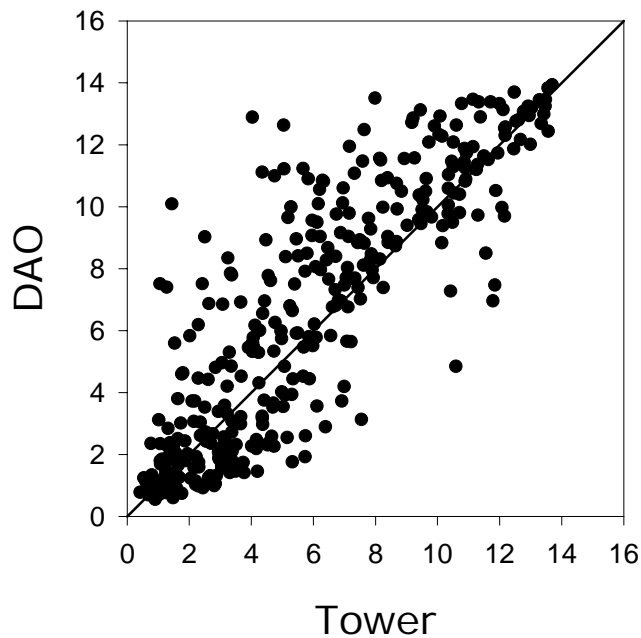
**Year: 2000**  
**Site: CHEQ (Wisconsin, USA)**  
**Biome: Mixed Forest**



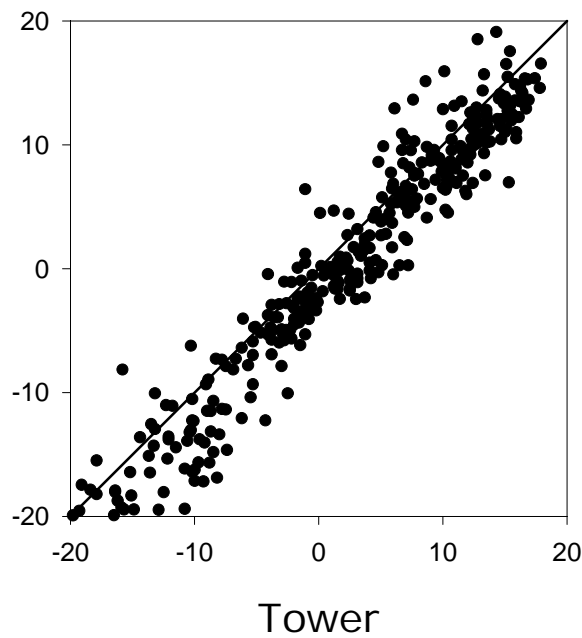
**BigFoot**  
**Meteorological Comparison**  
**Tower vs. DAO\***

**Year: 2000**  
**Site: CHEQ (Wisconsin, USA)**  
**Biome: Mixed Forest**

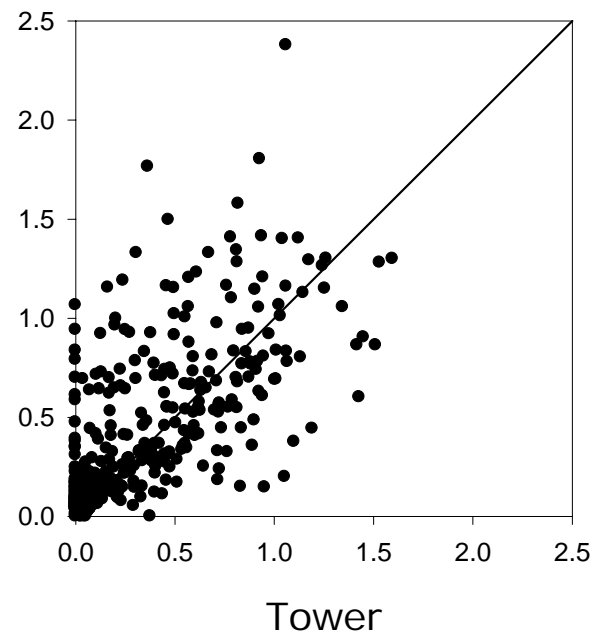
PAR ( $\text{MJ m}^{-2} \text{d}^{-1}$ )



Minimum Temperature ( $^{\circ}\text{C}$ )



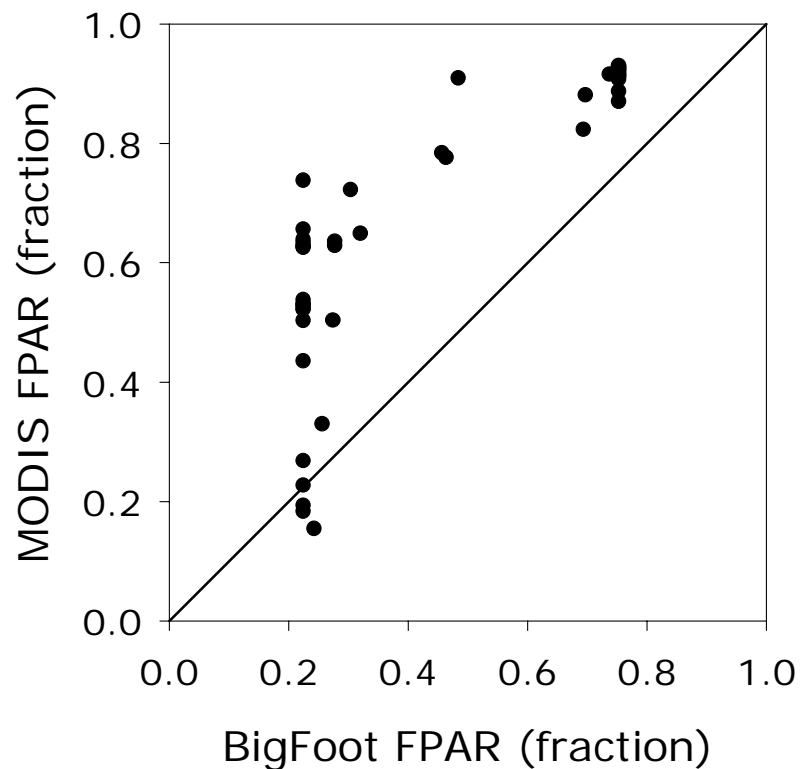
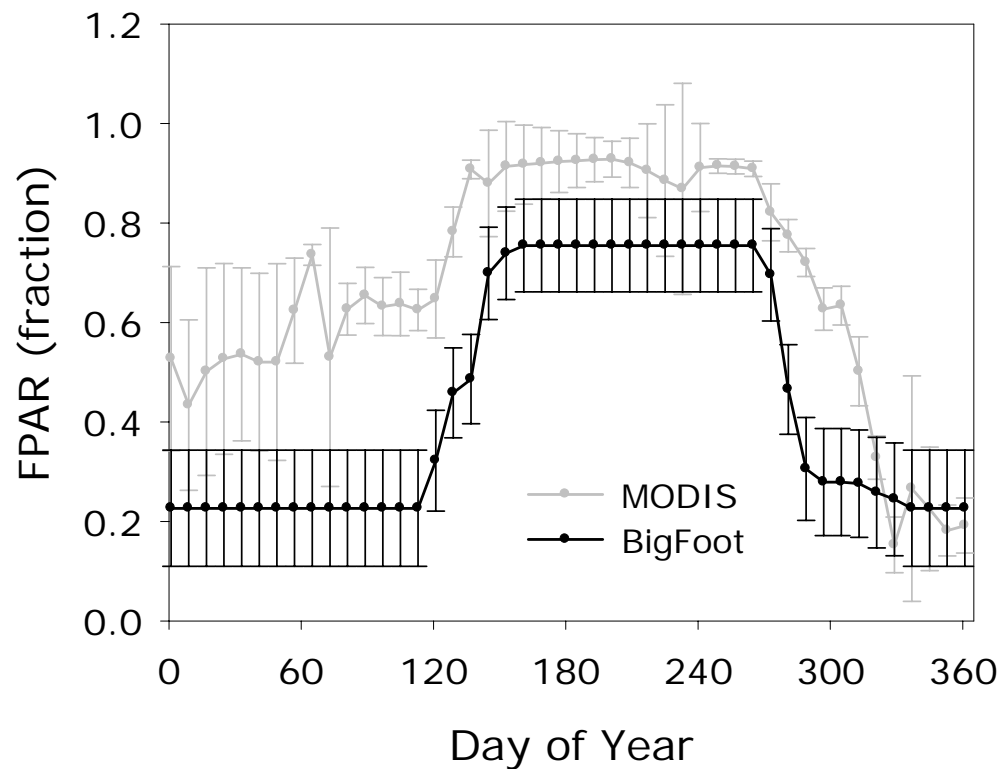
Vapor Pressure Deficit (kPa)



\* DAO – Data Assimilation Office

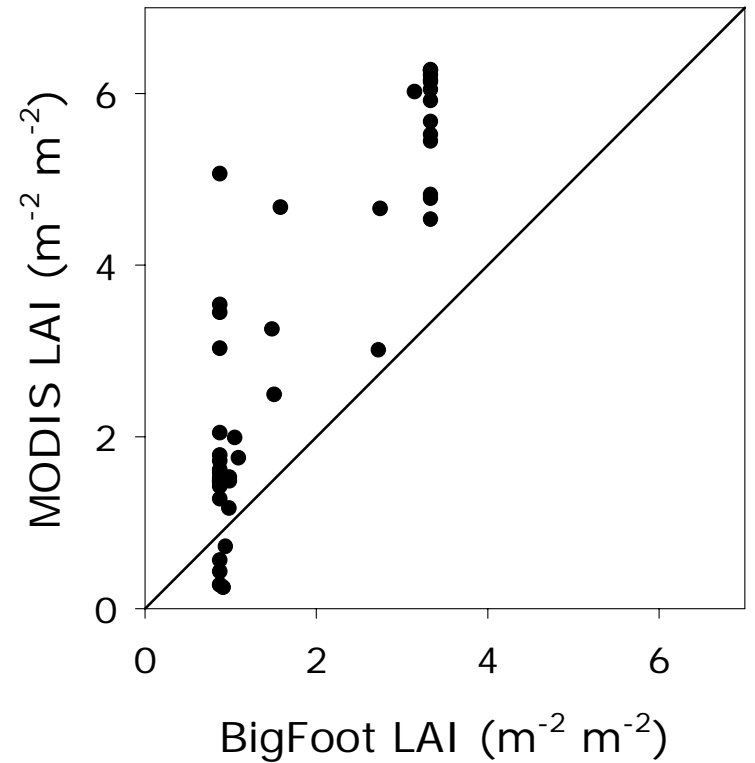
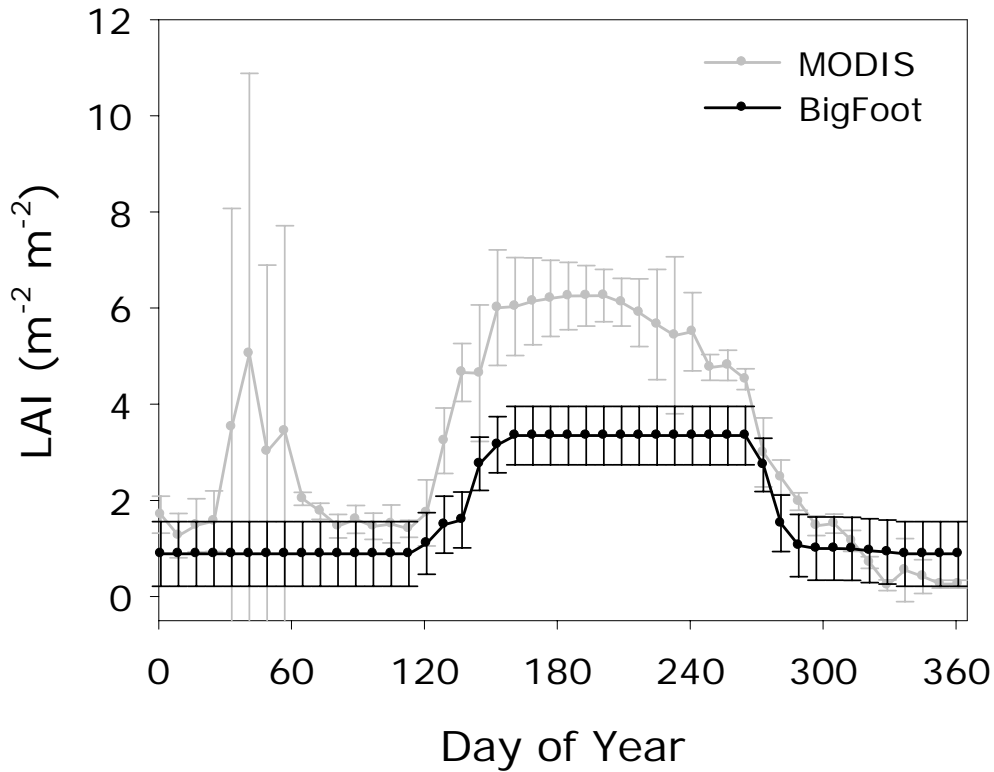
**BigFoot**  
**FPAR Comparison**  
**BigFoot vs. MODIS**

**Year: 2000**  
**Site: CHEQ (Wisconsin, USA)**  
**Biome: Mixed Forest**



**BigFoot**  
**LAI Comparison**  
**BigFoot vs. MODIS**

**Year: 2000**  
**Site: CHEQ (Wisconsin, USA)**  
**Biome: Mixed Forest**



**BigFoot**  
**LUE Comparison**  
**BigFoot vs. MODIS**

**Year: 2000**  
**Site: CHEQ (Wisconsin, USA)**  
**Biome: Mixed Forest**

