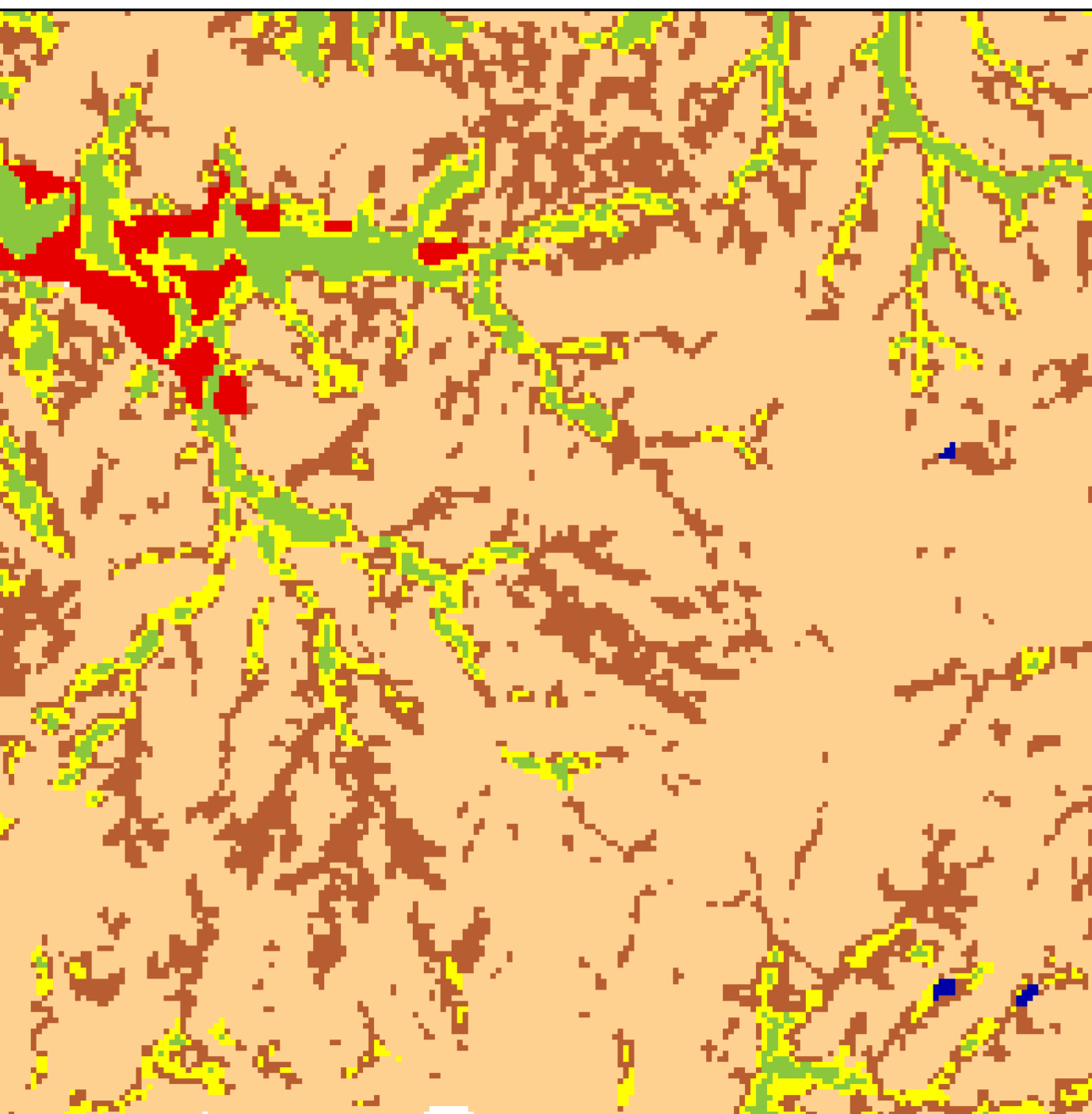




Land Cover

Year: 2000
Site: KONZ (Kansas, USA)
Biome: Tallgrass Prairie

-  Hardwood
-  Savanna
-  Shrubland
-  Grassland
-  Cropland
-  Urban / Built-Up
-  Water



1 km

WGS84 - UTM 14N





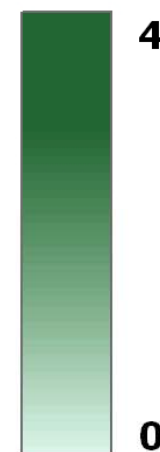
Leaf Area Index

Year: 2000

Site: KONZ (Kansas, USA)

Biome: Tallgrass Prairie

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



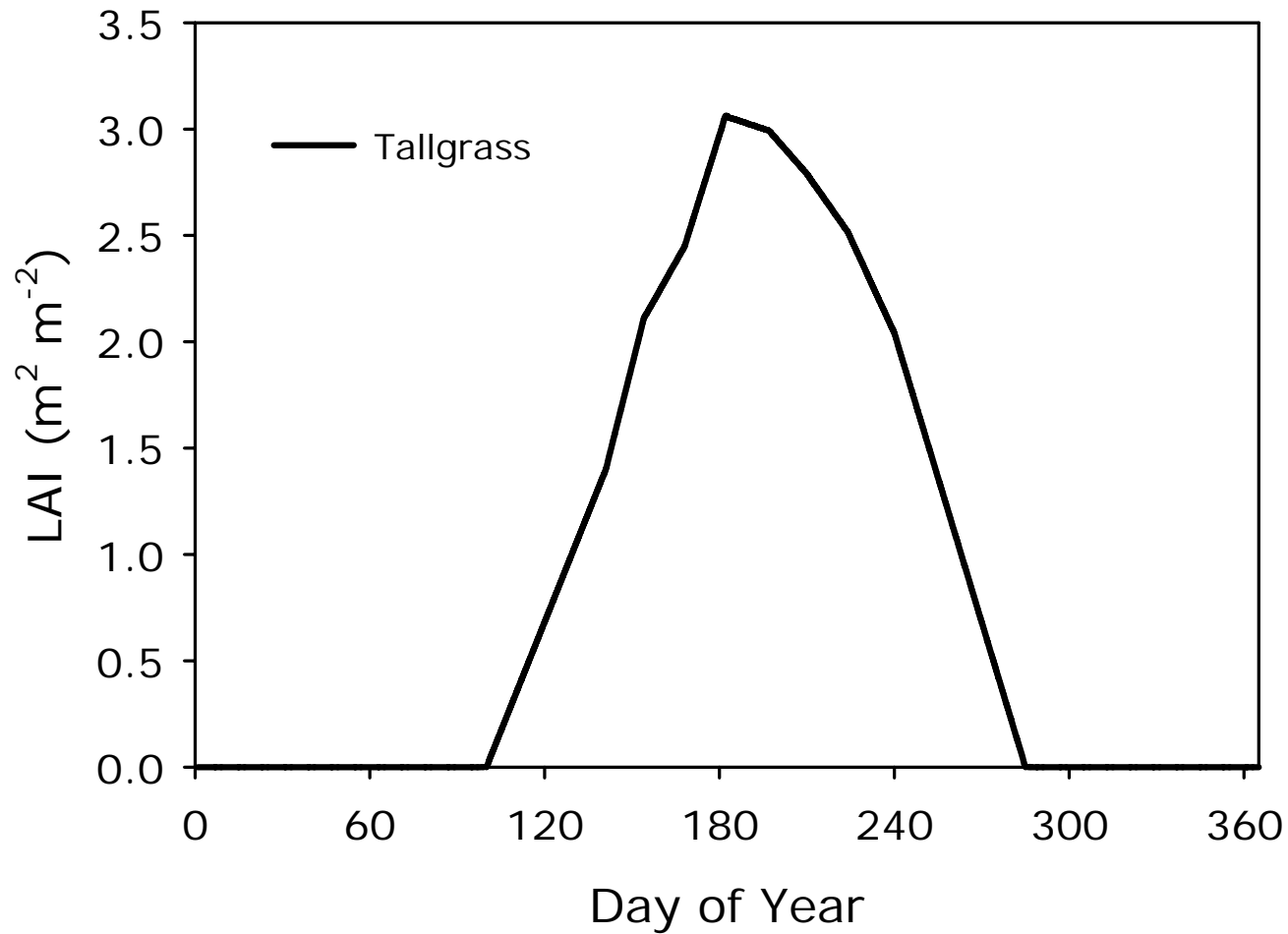
1 km

WGS84 - UTM 14N



BigFoot
LAI Seasonal Trajectory
Tallgrass

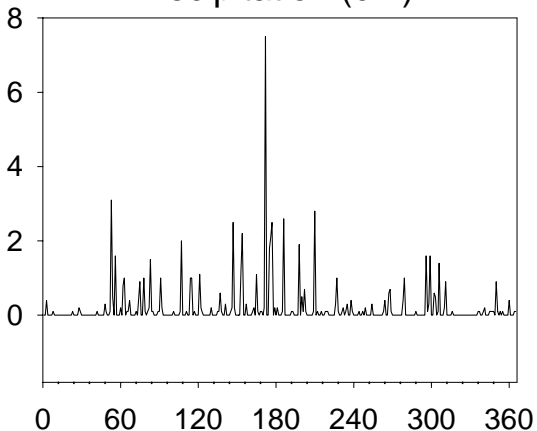
Year: 2000
Site: KONZ (Kansas, USA)
Biome: Tallgrass Prairie



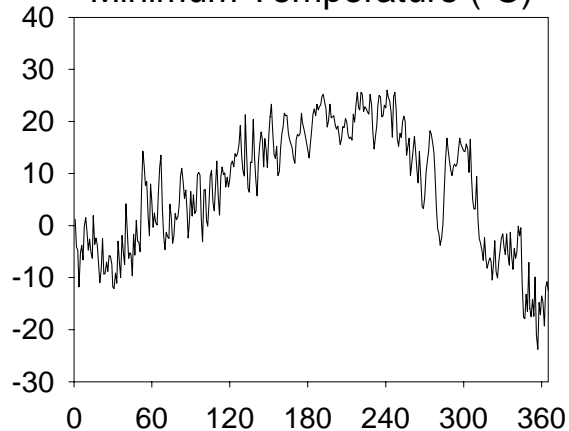
BigFoot Meteorological Inputs

Year: 2000
Site: KONZ (Kansas, USA)
Biome: Tallgrass Prairie

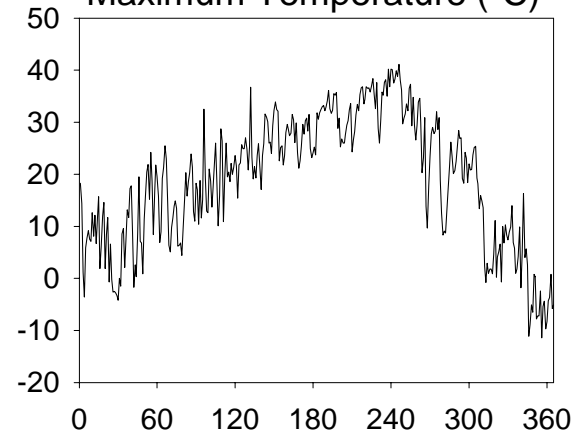
Precipitation (cm)



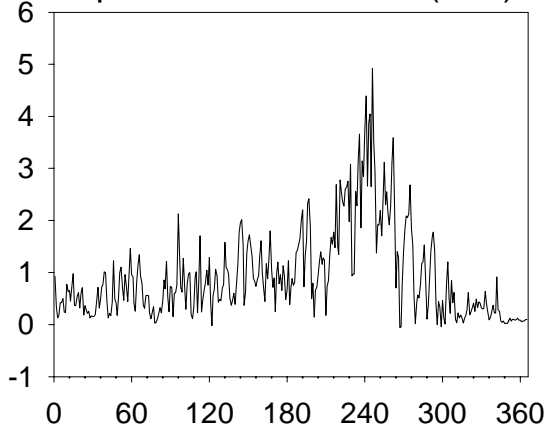
Minimum Temperature (°C)



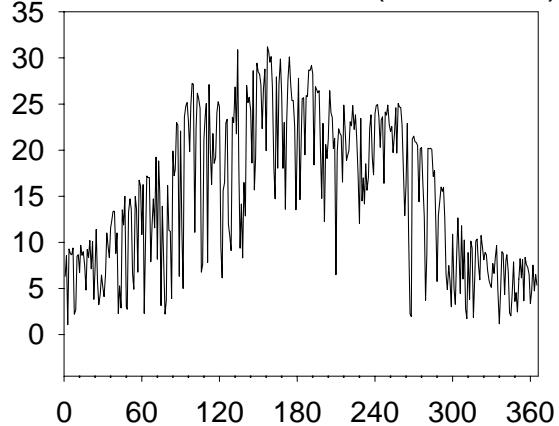
Maximum Temperature (°C)



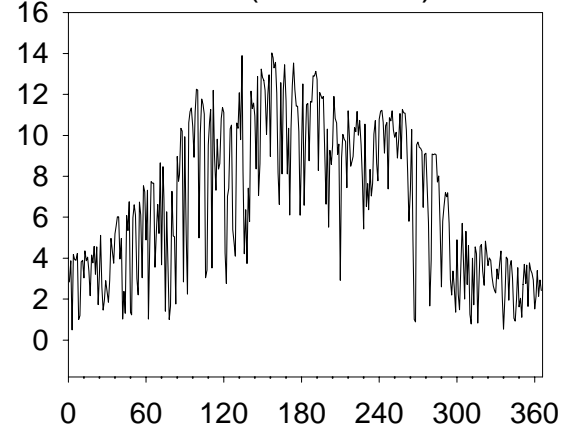
Vapor Pressure Deficit (kPa)



Shortwave Radiation (MJ m⁻² d⁻¹)



PAR (MJ m⁻² d⁻¹)



Day of Year

Day of Year

Day of Year



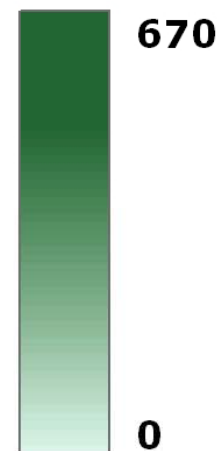
Net Primary Production

Year: 2000

Site: KONZ (Kansas, USA)

Biome: Tallgrass Prairie

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



1 km

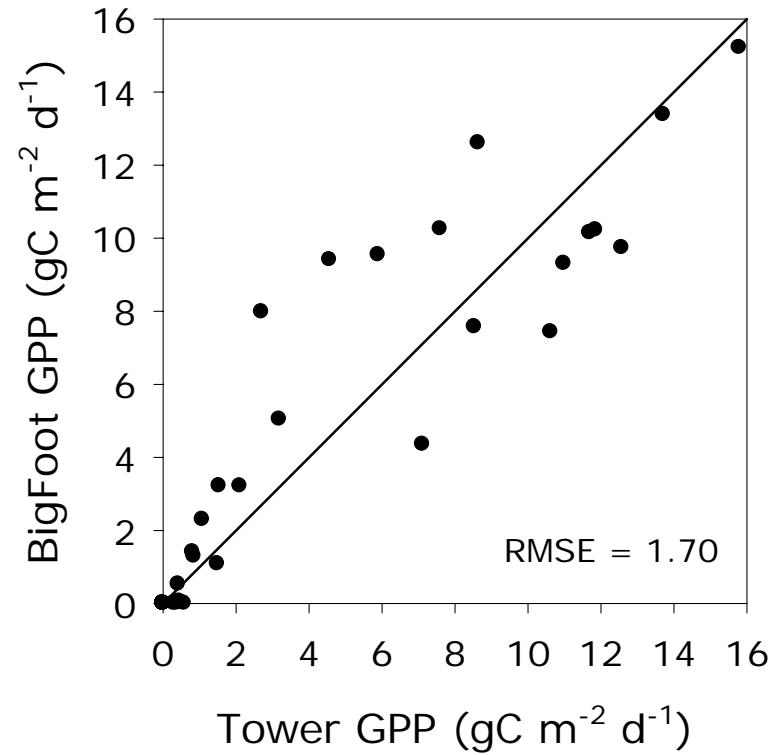
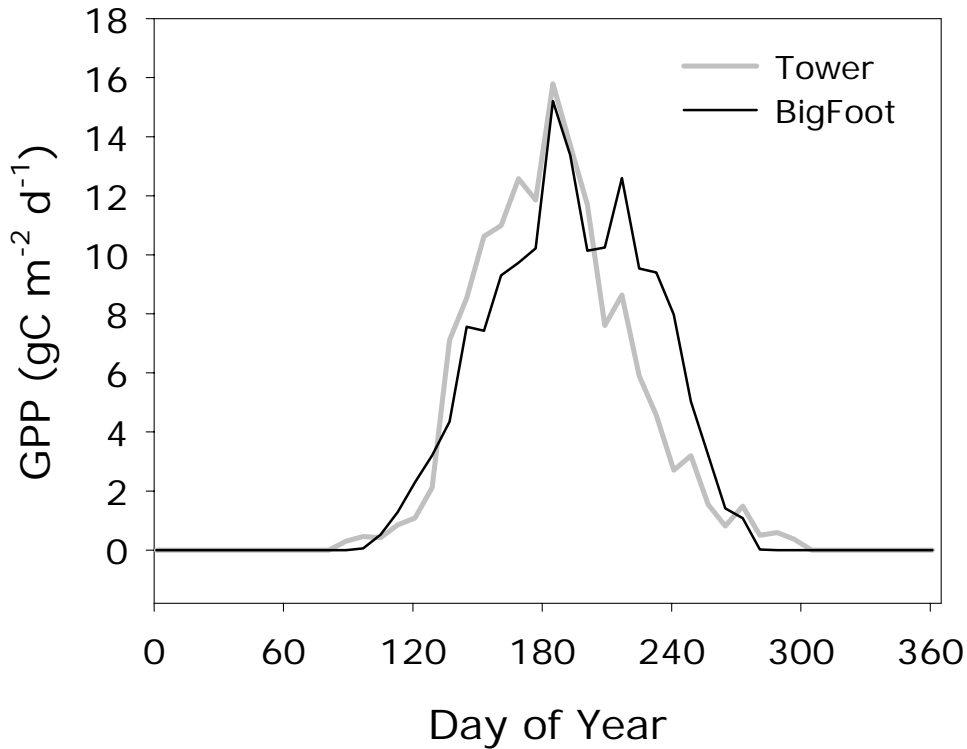
WGS84 - UTM 14N



www.fsl.orst.edu/larse/bigfoot

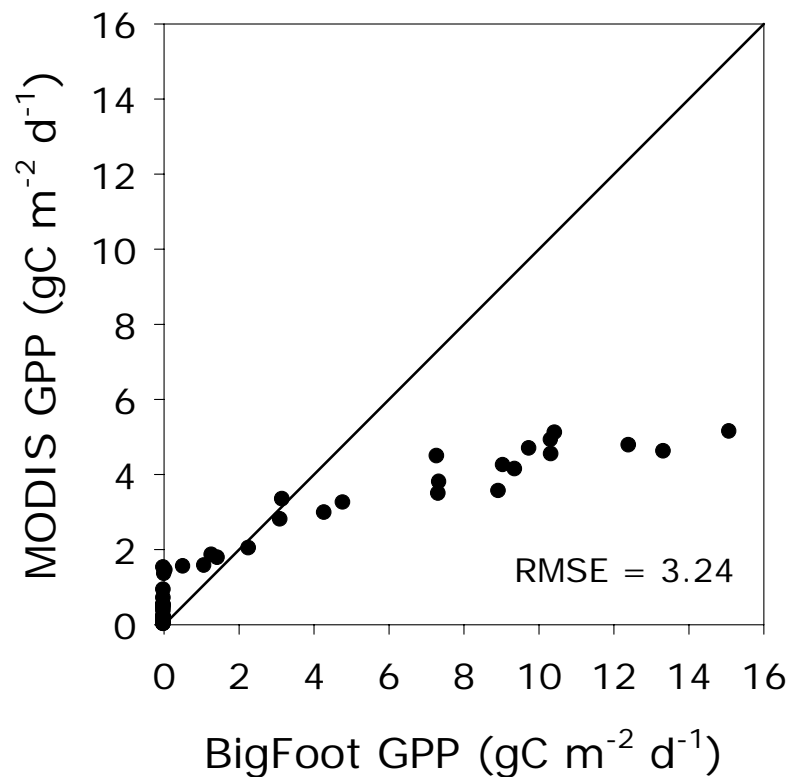
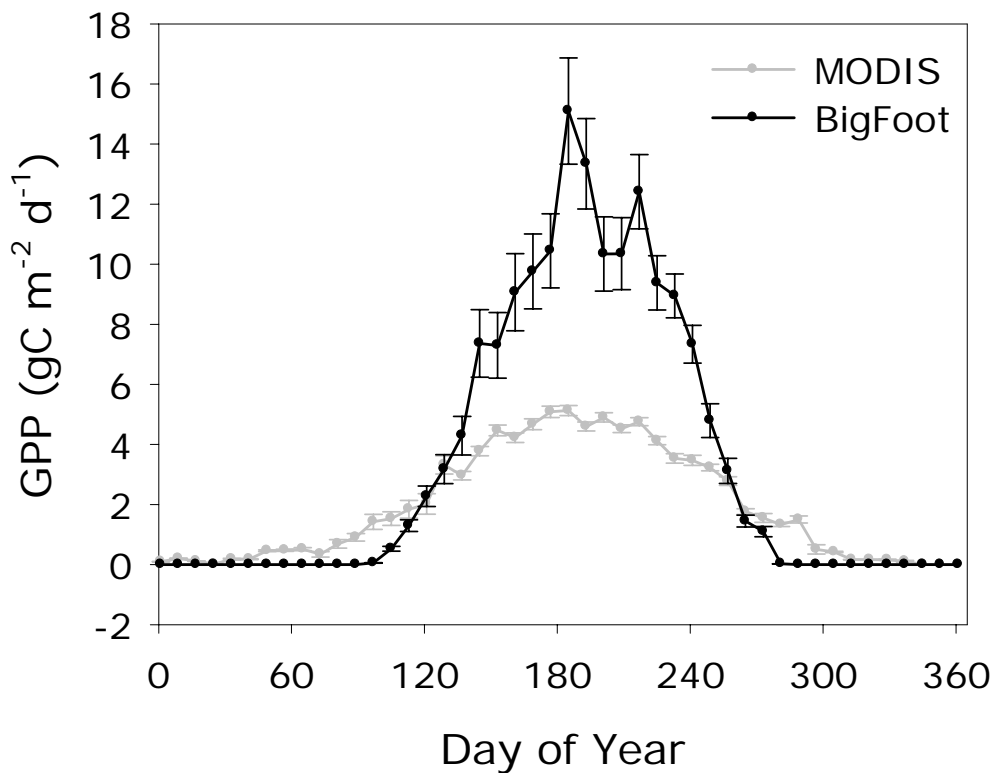
**BigFoot
GPP Comparison
BigFoot vs. Tower**

**Year: 2000
Site: KONZ (Kansas, USA)
Biome: Tallgrass Prairie**



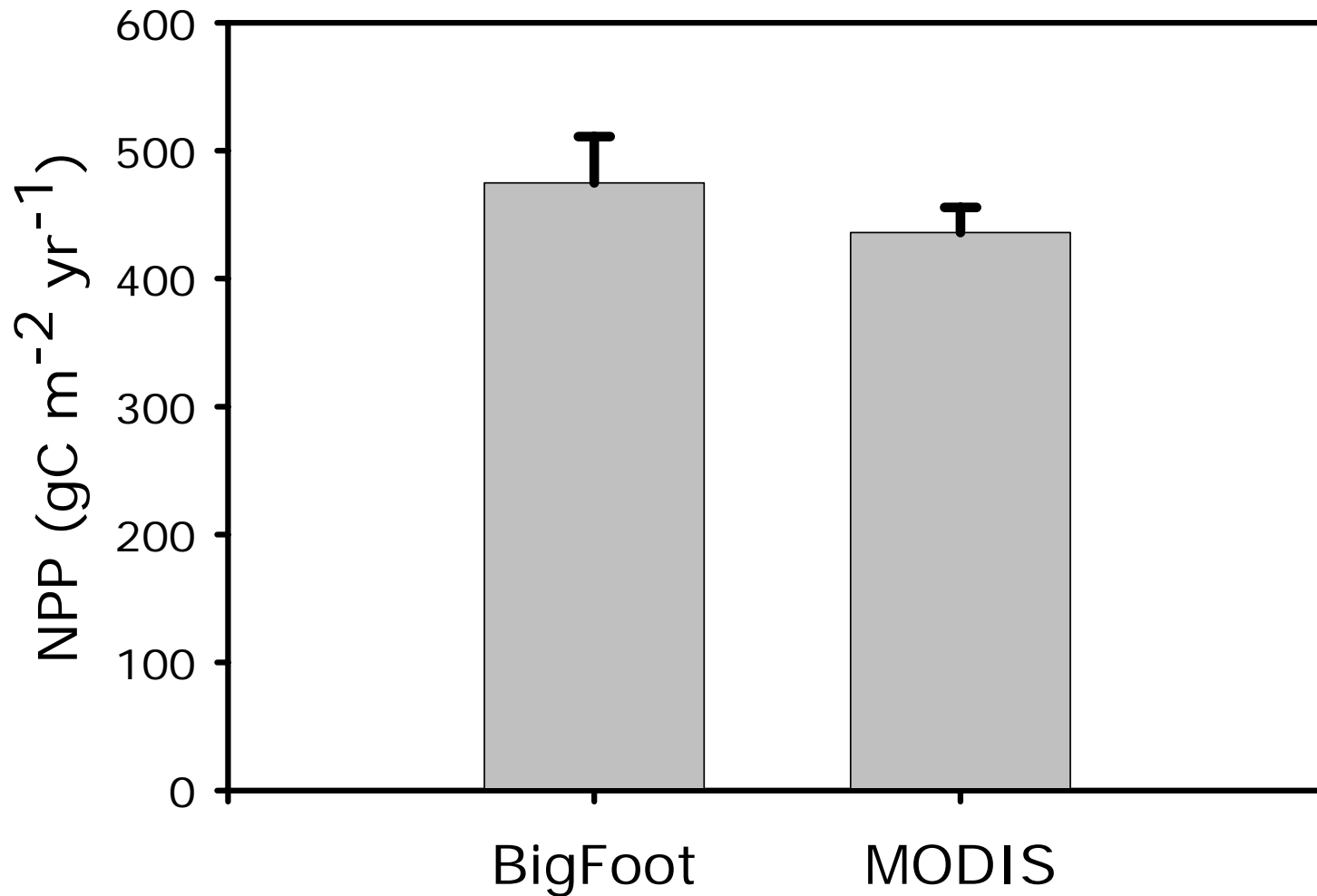
BigFoot
GPP Comparison
BigFoot vs. MODIS

Year: 2000
Site: KONZ (Kansas, USA)
Biome: Tallgrass Prairie



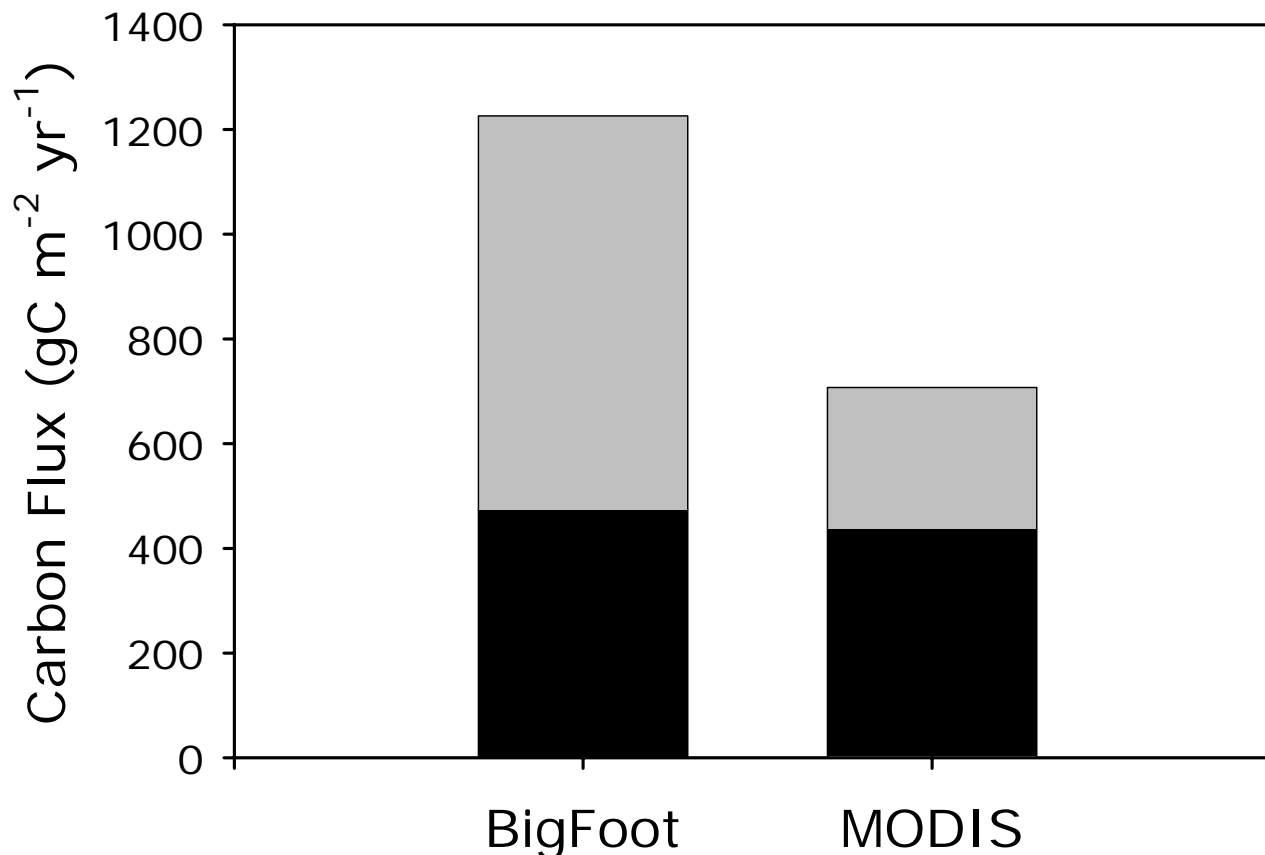
**BigFoot
NPP Comparison
BigFoot vs. MODIS**

**Year: 2000
Site: KONZ (Kansas, USA)
Biome: Tallgrass Prairie**



BigFoot
Carbon Flux Comparison
BigFoot vs. MODIS

Year: 2000
Site: KONZ (Kansas, USA)
Biome: Tallgrass Prairie



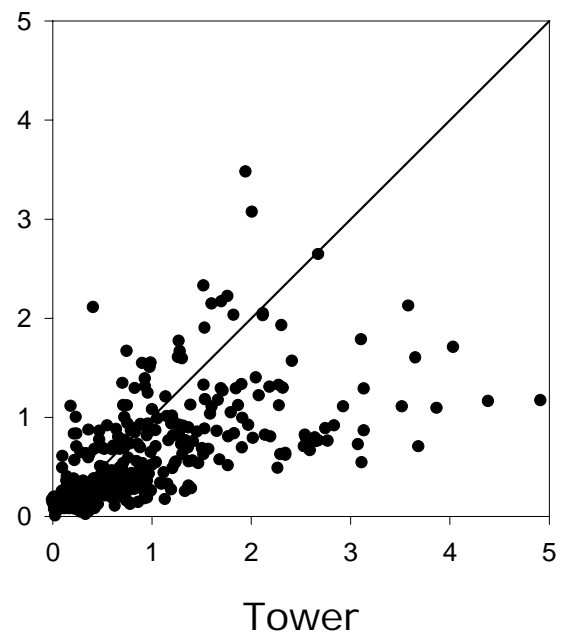
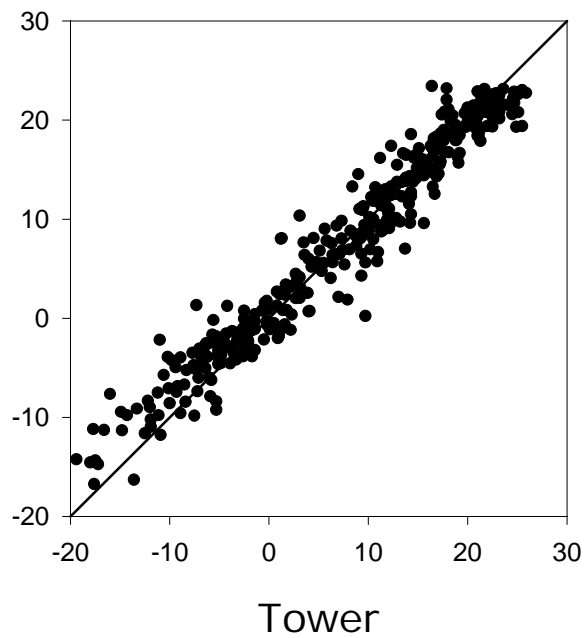
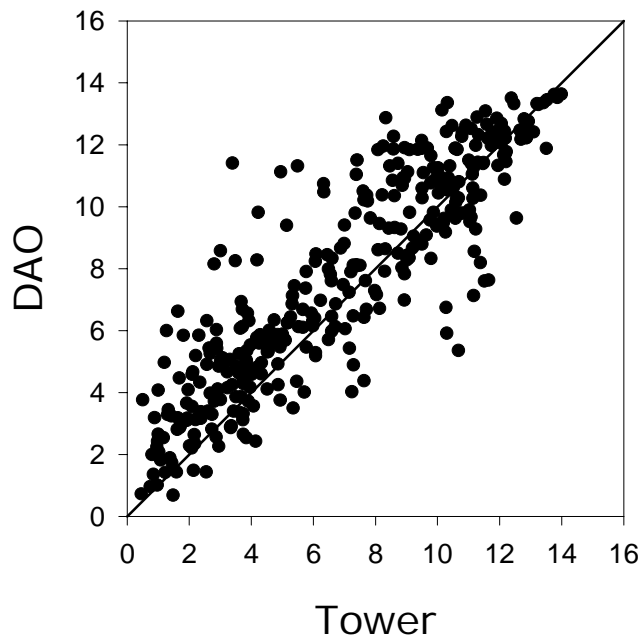
**BigFoot
Meteorological Comparison
Tower vs. DAO***

**Year: 2000
Site: KONZ (Kansas, USA)
Biome: Tallgrass Prairie**

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

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

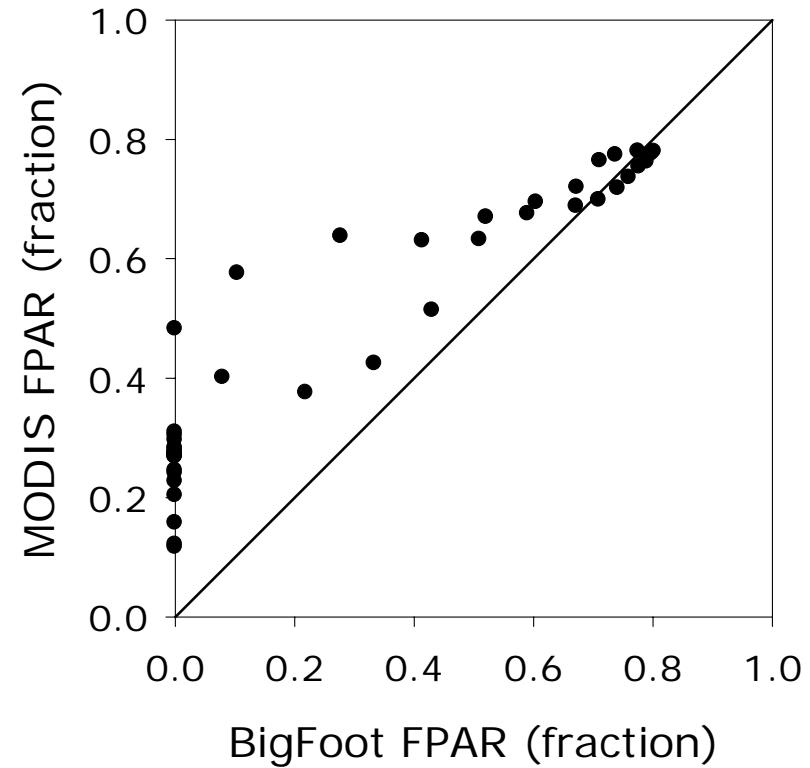
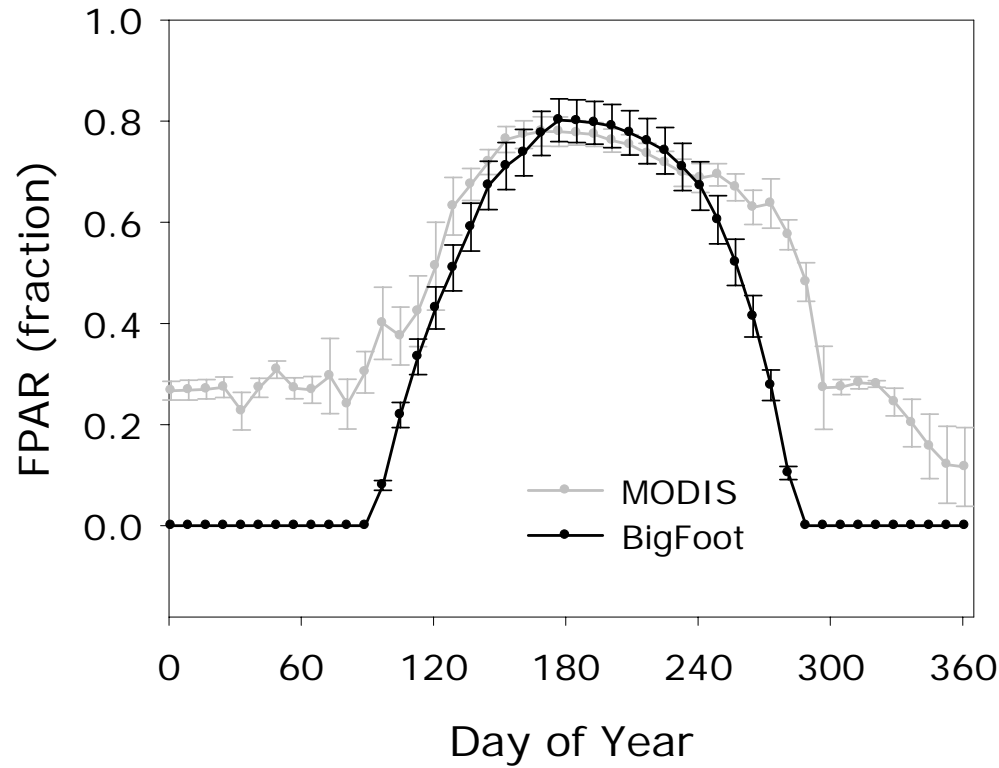
Vapor Pressure Deficit (kPa)



* DAO – Data Assimilation Office

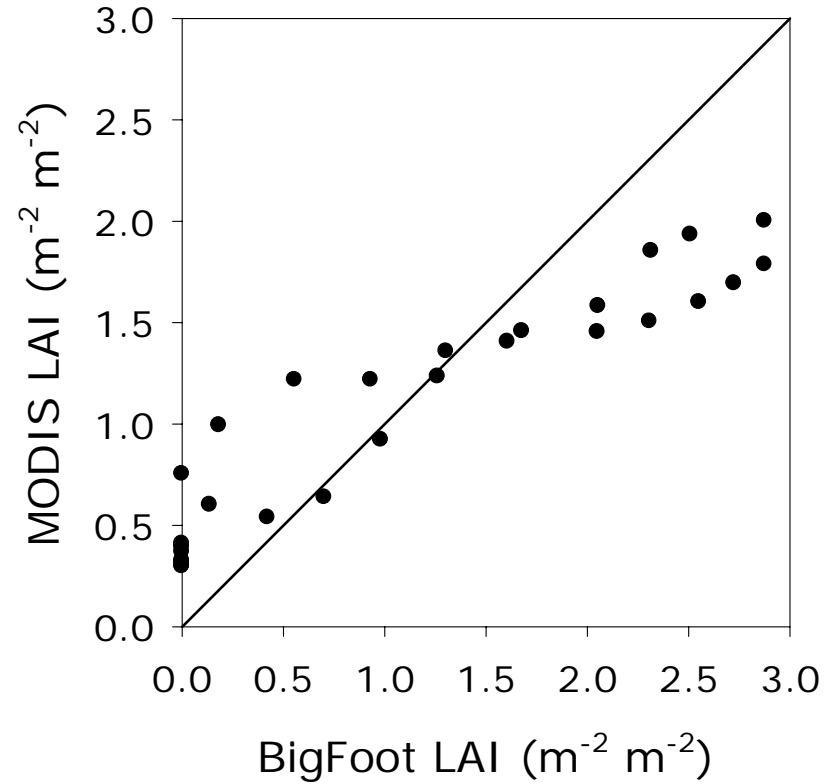
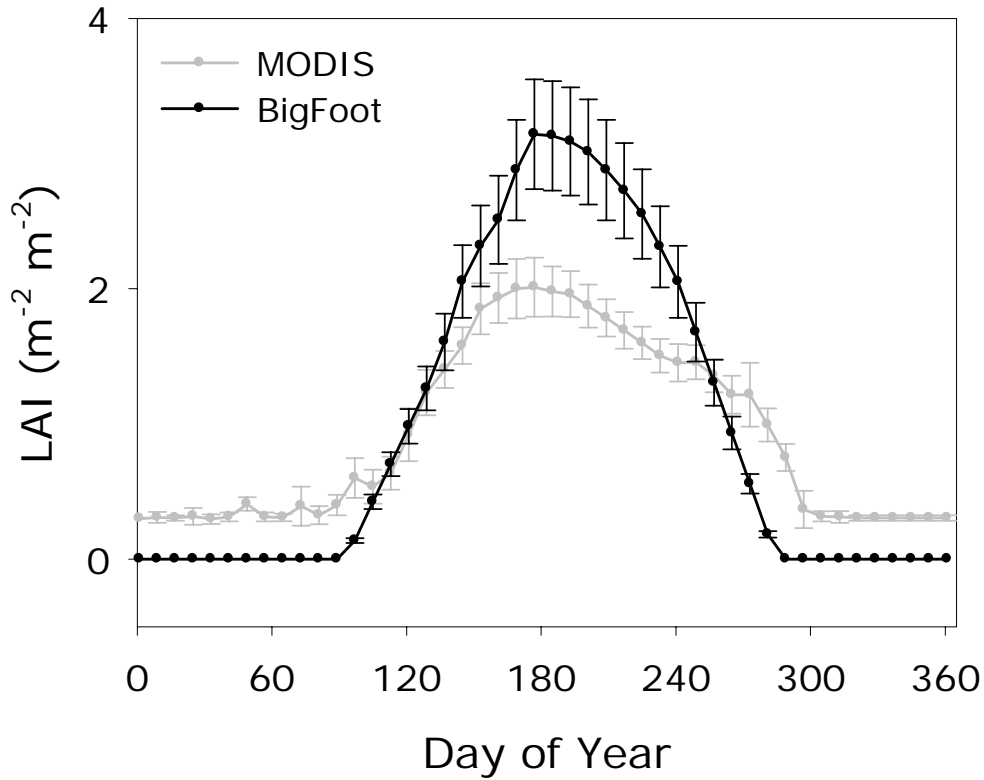
BigFoot
FPAR Comparison
BigFoot vs. MODIS

Year: 2000
Site: KONZ (Kansas, USA)
Biome: Tallgrass Prairie



BigFoot
LAI Comparison
BigFoot vs. MODIS

Year: 2000
Site: KONZ (Kansas, USA)
Biome: Tallgrass Prairie



BigFoot
LUE Comparison
BigFoot vs. MODIS

Year: 2000
Site: KONZ (Kansas, USA)
Biome: Tallgrass Prairie

