





Land Cover

Year: 2002

Site: SEVI (New Mexico, USA)

Biome: Desert Grassland

-  Shrubland
-  Grassland



1 km

WGS84 - UTM 13N





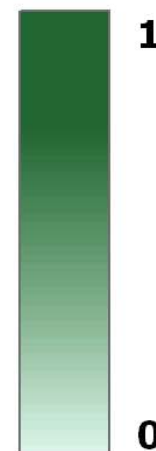
Leaf Area Index

Year: 2002

Site: SEVI (New Mexico, USA)

Biome: Desert Grassland

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



1 km

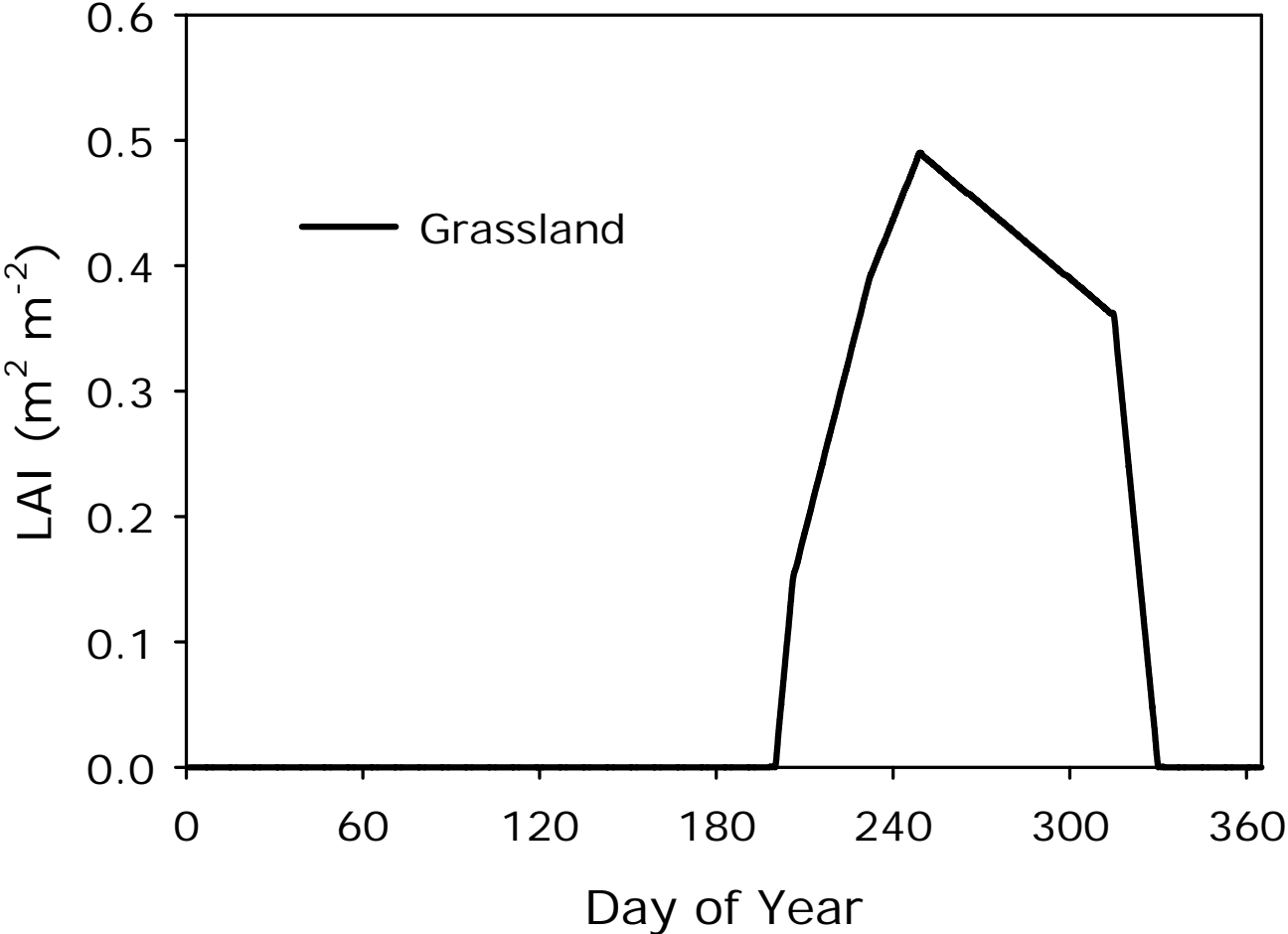
WGS84 - UTM 13N



www.fsl.orst.edu/larse/bigfoot

BigFoot
LAI Seasonal Trajectory
Grassland

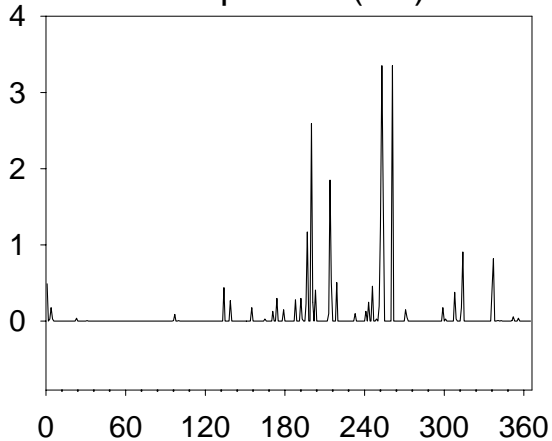
Year: 2002
Site: SEVI (New Mexico, USA)
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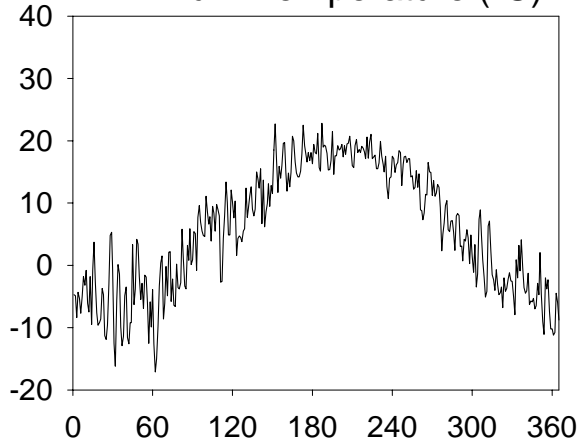
BigFoot Meteorological Inputs

Year: 2002
Site: SEVI (New Mexico, USA)
Biome: Desert Grassland

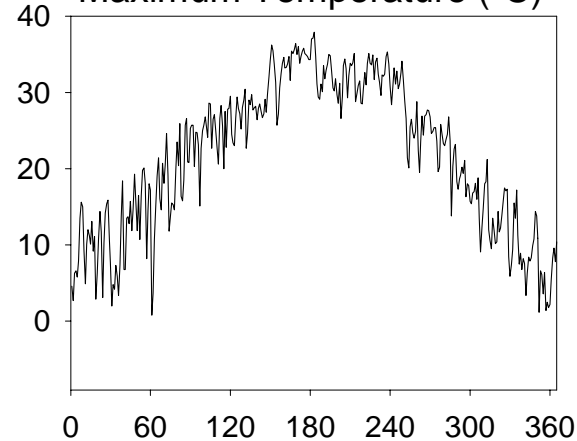
Precipitation (cm)



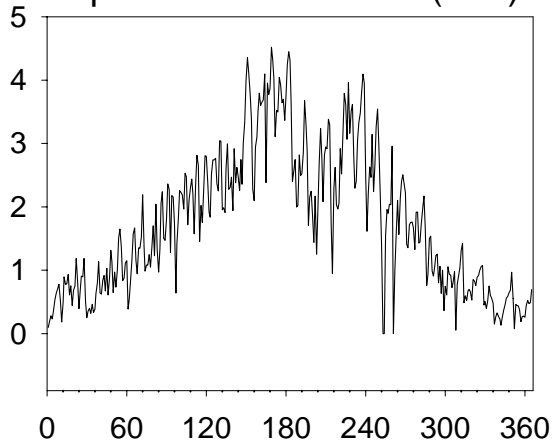
Minimum Temperature (°C)



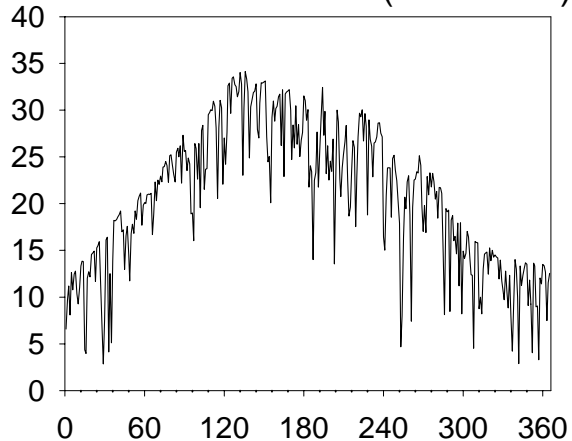
Maximum Temperature (°C)



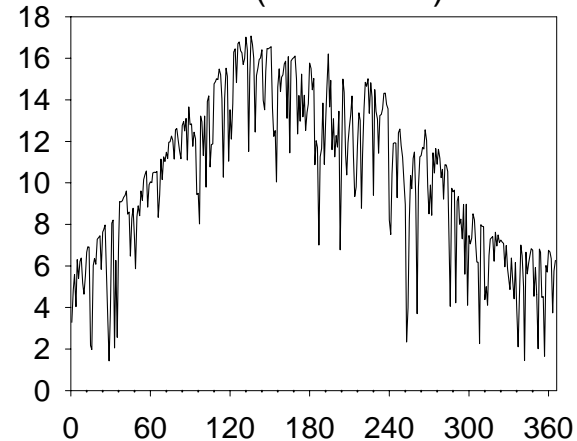
Vapor Pressure Deficit (kPa)



Shortwave Radiation (MJ m⁻² d⁻¹)



PAR (MJ m⁻² d⁻¹)



Day of Year

Day of Year

Day of Year



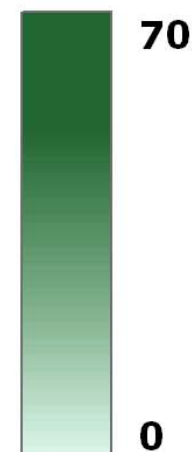
Net Primary Production

Year: 2002

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Biome: Desert Grassland

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



1 km

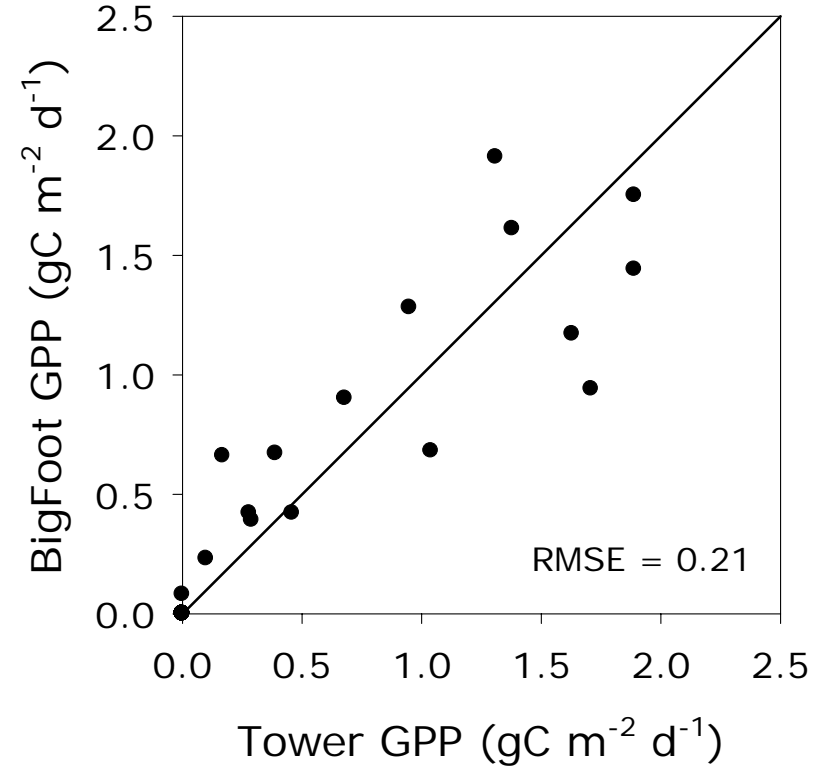
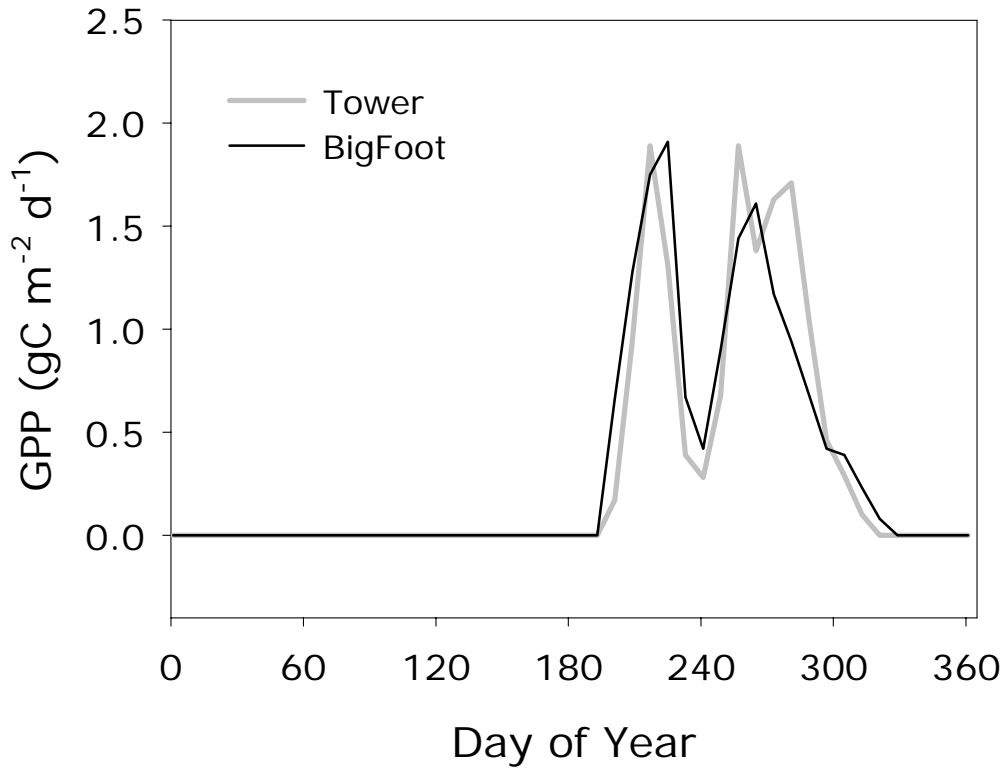
WGS84 - UTM 13N



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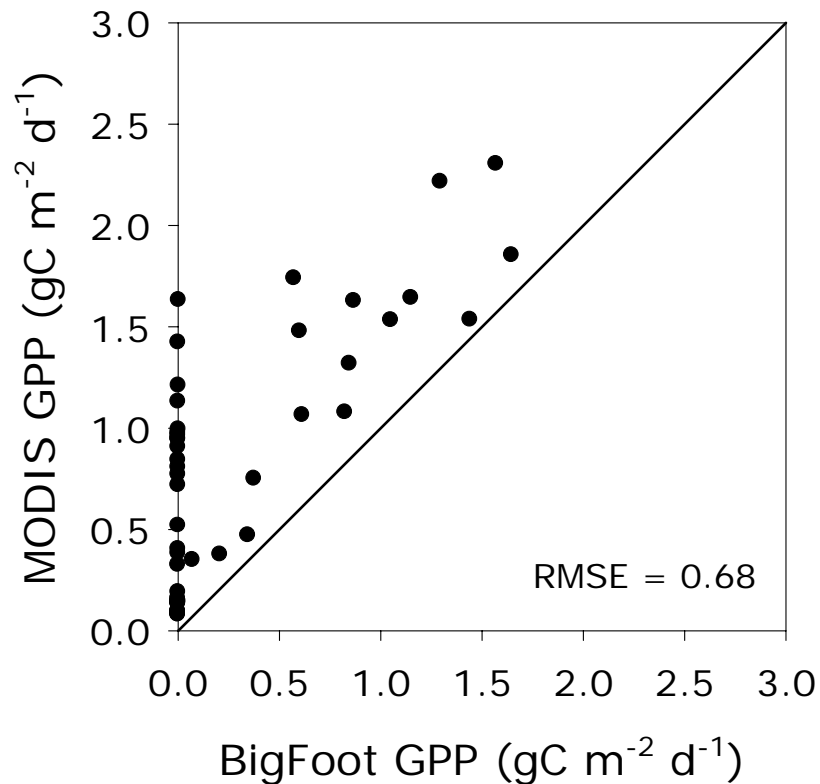
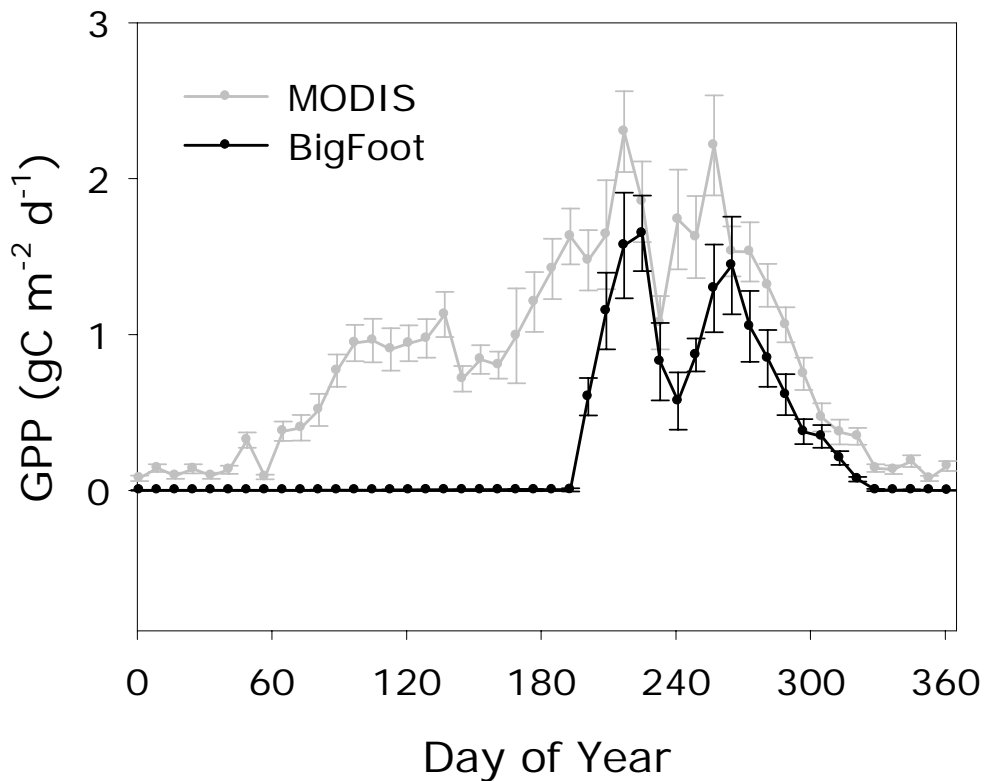
BigFoot
GPP Comparison
BigFoot vs. Tower

Year: 2002
Site: SEVI (New Mexico, USA)
Biome: Desert Grassland



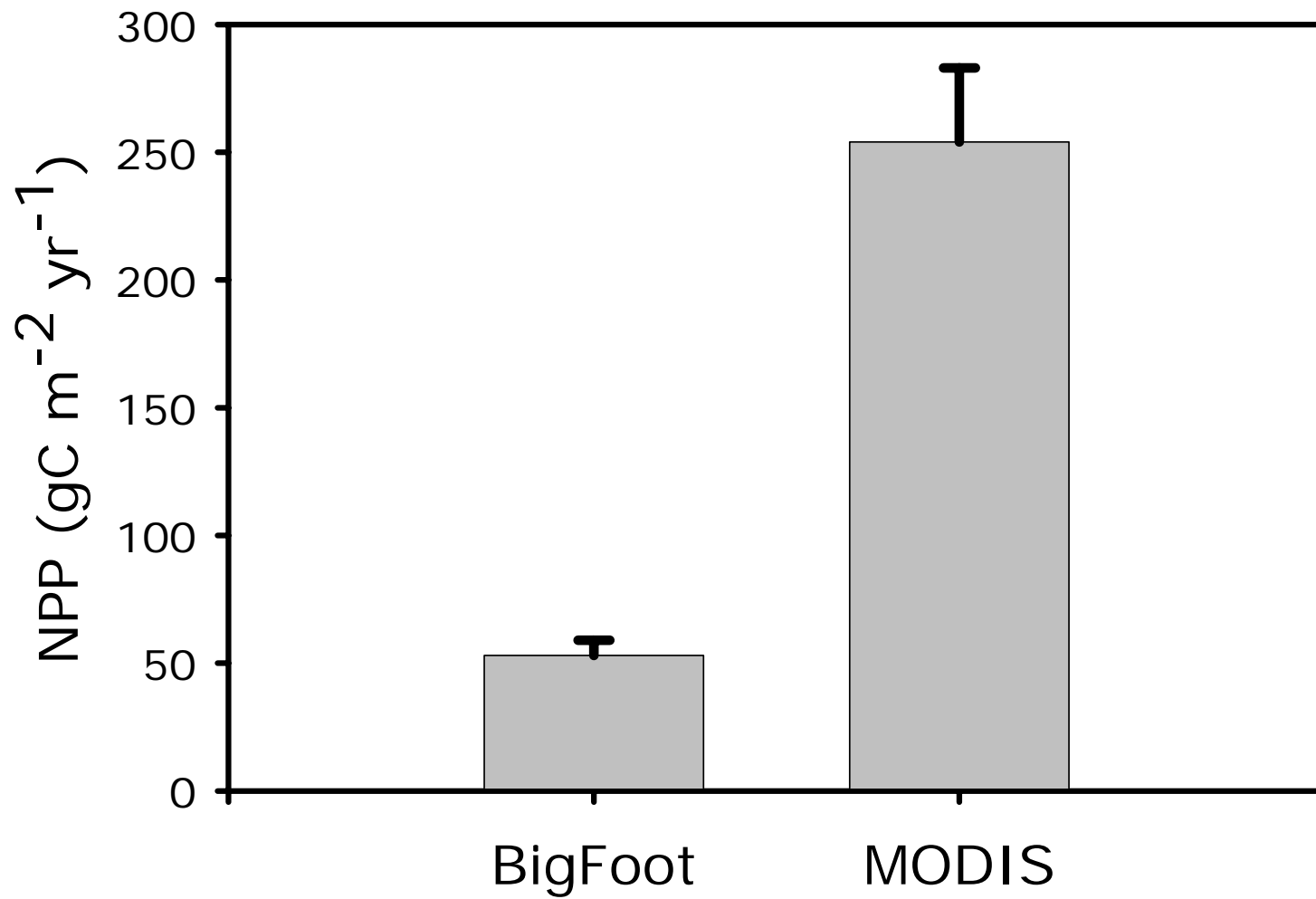
BigFoot
GPP Comparison
BigFoot vs. MODIS

Year: 2002
Site: SEVI (New Mexico, USA)
Biome: Desert Grassland



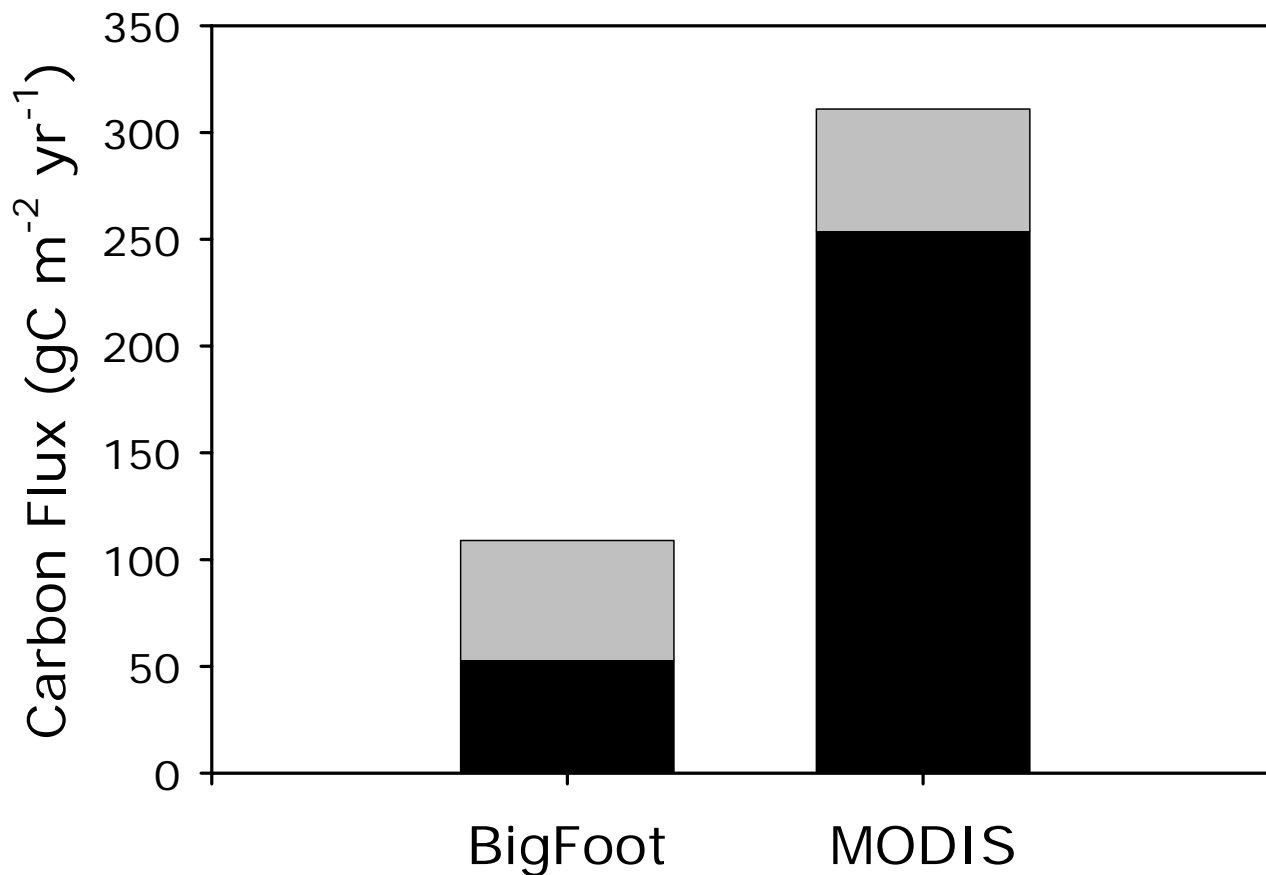
**BigFoot
NPP Comparison
BigFoot vs. MODIS**

**Year: 2002
Site: SEVI (New Mexico, USA)
Biome: Desert Grassland**



BigFoot
Carbon Flux Comparison
BigFoot vs. MODIS

Year: 2002
Site: SEVI (New Mexico, USA)
Biome: Desert Grassland



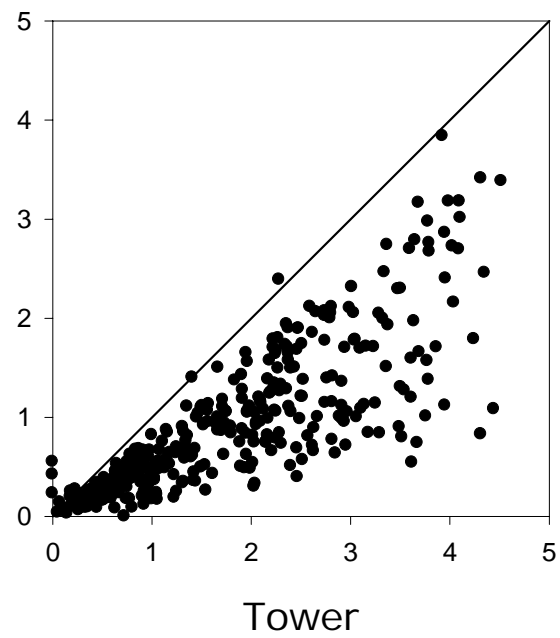
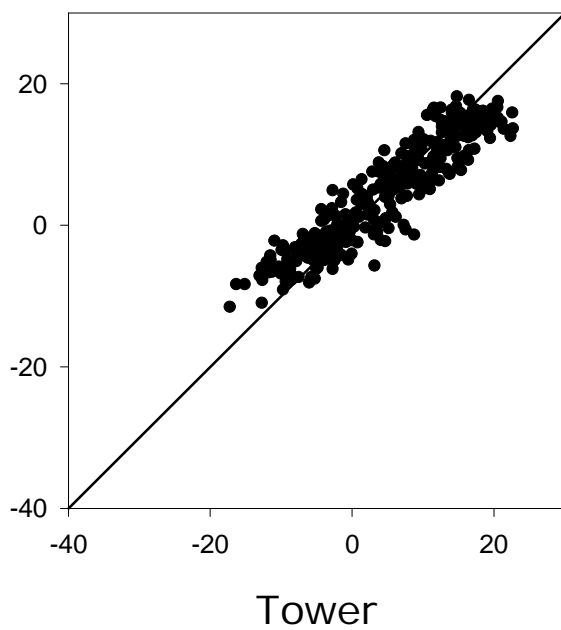
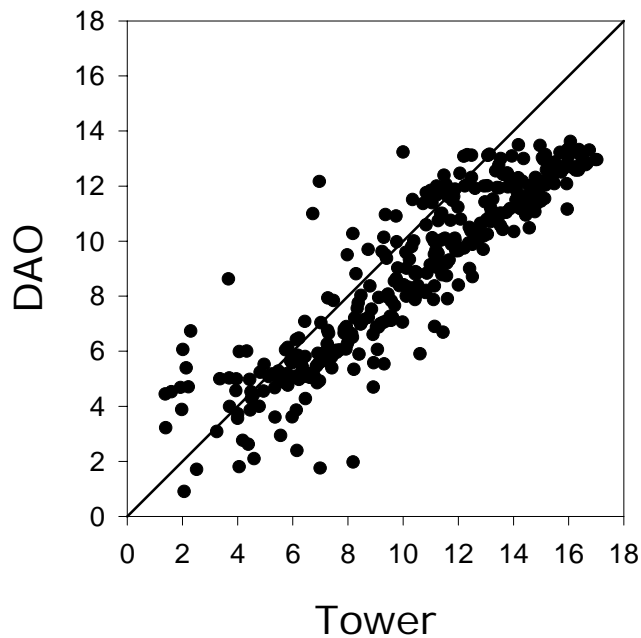
**BigFoot
Meteorological Comparison
Tower vs. DAO***

**Year: 2002
Site: SEVI (New Mexico, USA)
Biome: Desert Grassland**

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

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

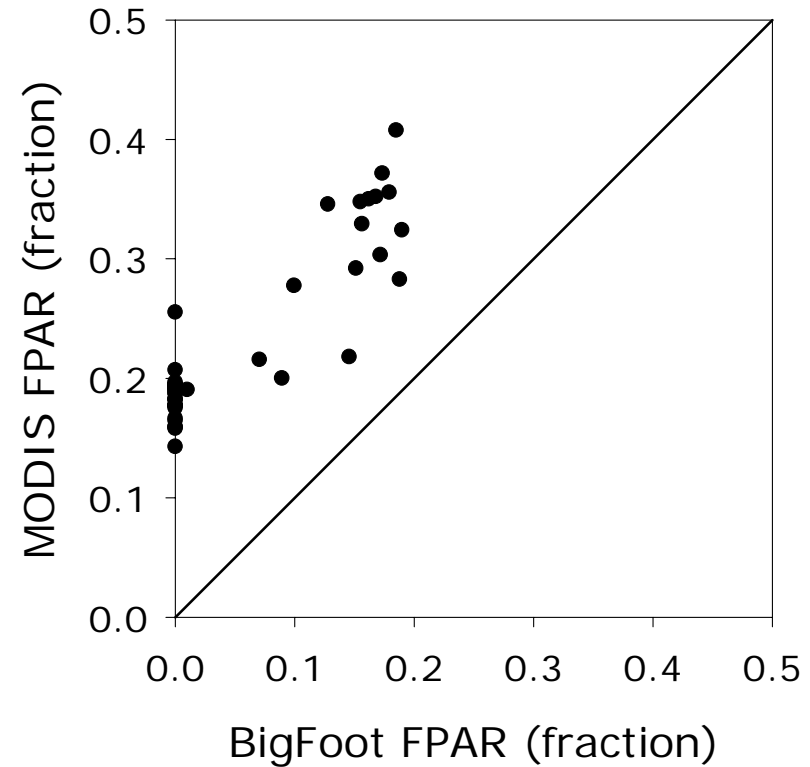
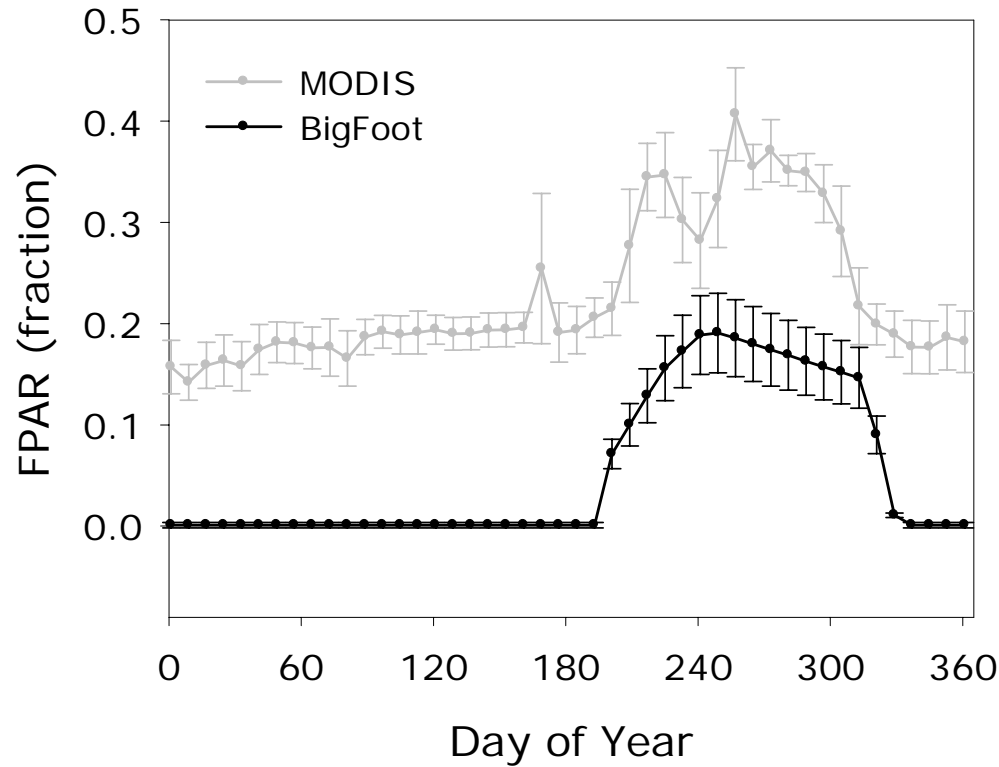
Vapor Pressure Deficit (kPa)



* DAO – Data Assimilation Office

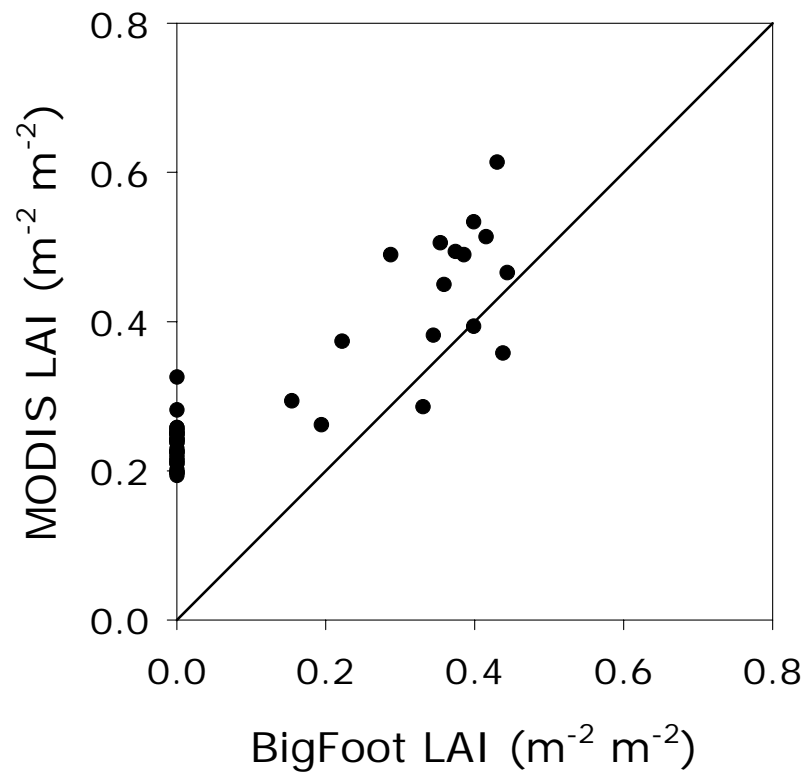
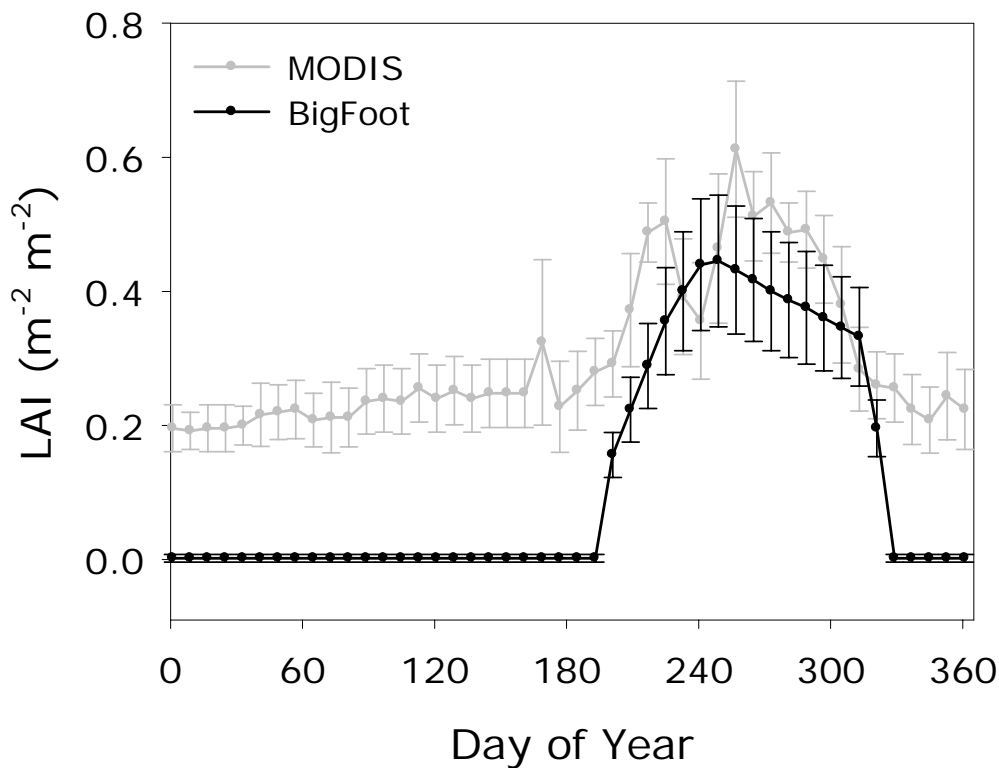
BigFoot
FPAR Comparison
BigFoot vs. MODIS

Year: 2002
Site: SEVI (New Mexico, USA)
Biome: Desert Grassland



BigFoot
LAI Comparison
BigFoot vs. MODIS

Year: 2002
Site: SEVI (New Mexico, USA)
Biome: Desert Grassland



BigFoot
LUE Comparison
BigFoot vs. MODIS

Year: 2002
Site: SEVI (New Mexico, USA)
Biome: Desert Grassland

