



Land Cover

Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra

-  Grassland
-  Wetland
-  Urban / Built-Up
-  Water



1 km
WGS84 - UTM 4N

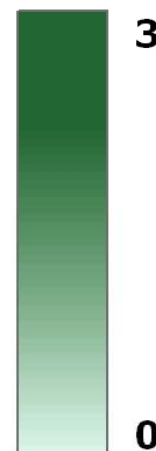




Leaf Area Index

Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra

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

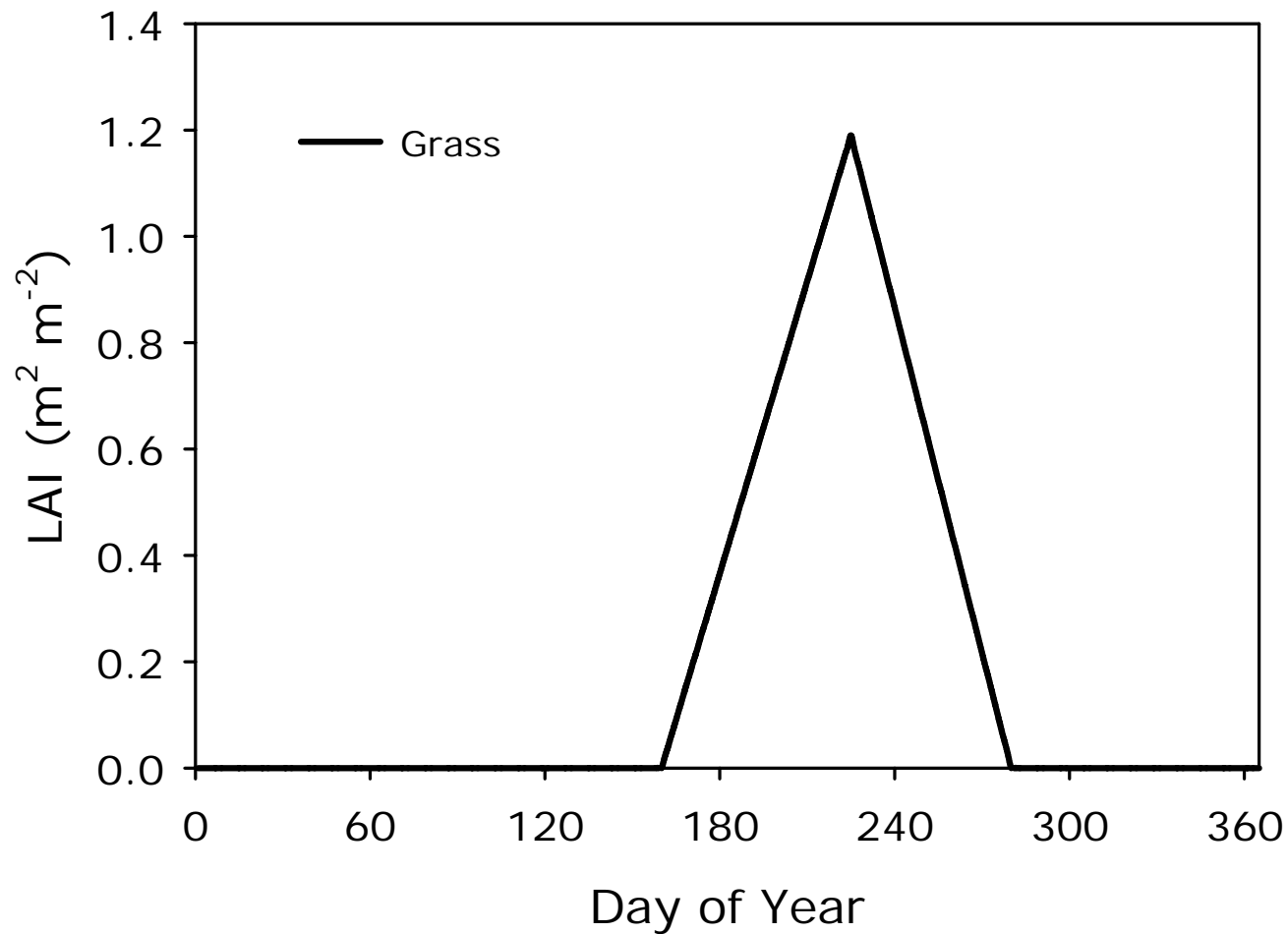


1 km
WGS84 - UTM 4N



BigFoot
LAI Seasonal Trajectory
Grassland

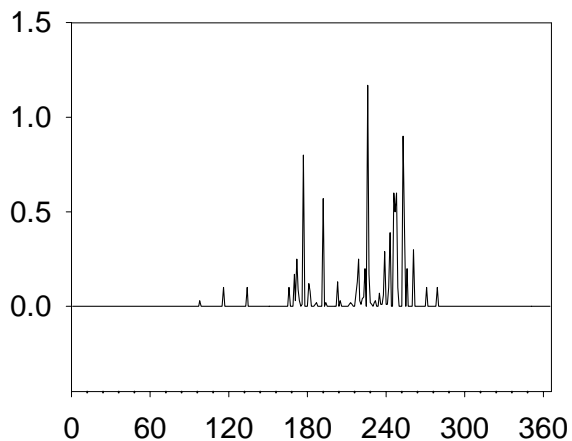
Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra



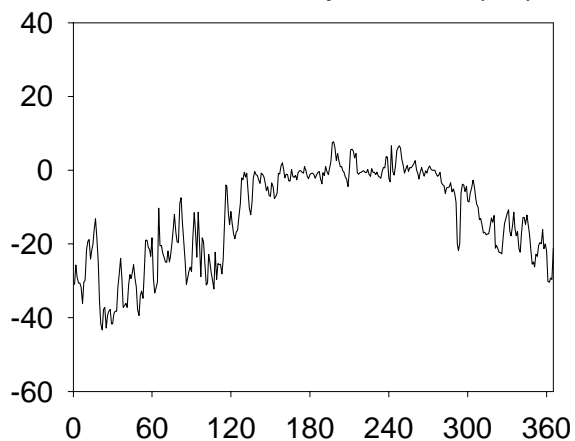
BigFoot Meteorological Inputs

Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra

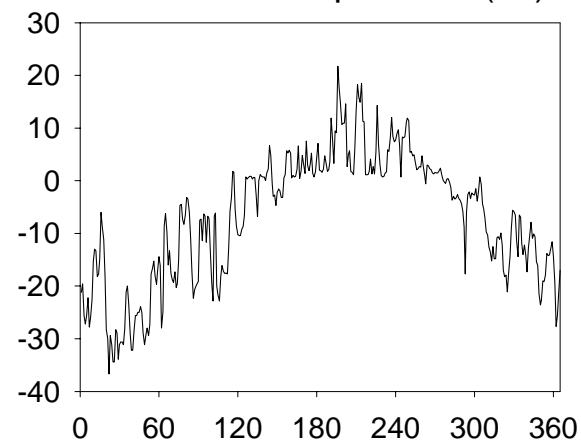
Precipitation (cm)



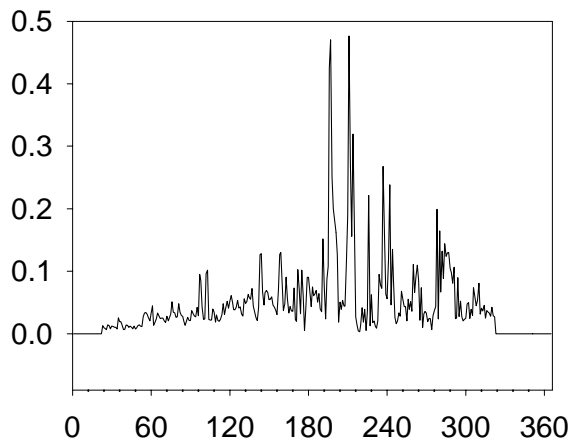
Minimum Temperature (°C)



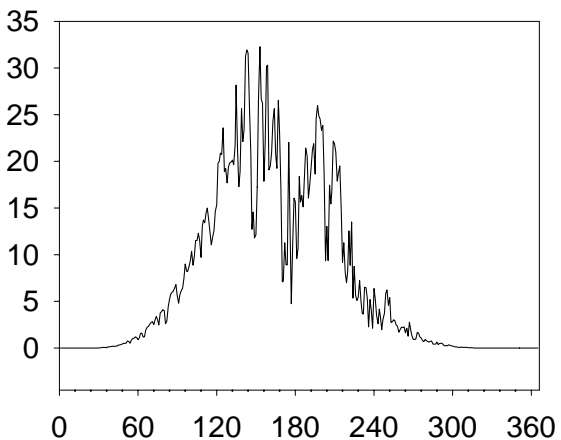
Maximum Temperature (°C)



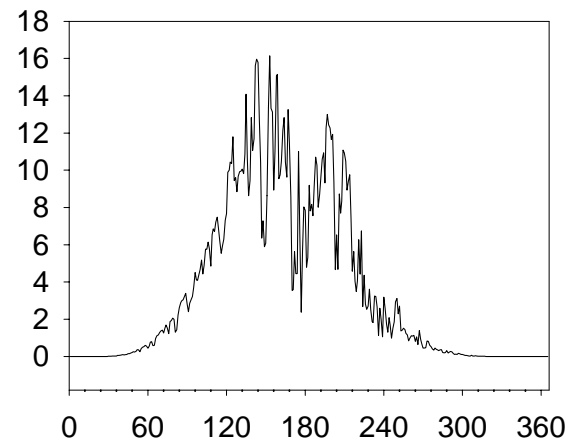
Vapor Pressure Deficit (kPa)



Shortwave Radiation (MJ m⁻² d⁻¹)



PAR (MJ m⁻² d⁻¹)



Day of Year

Day of Year

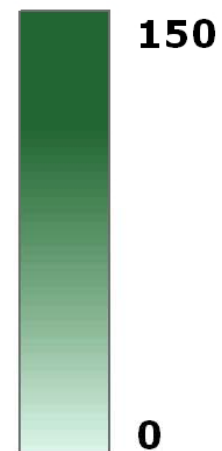
Day of Year



Net Primary Production

Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra

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



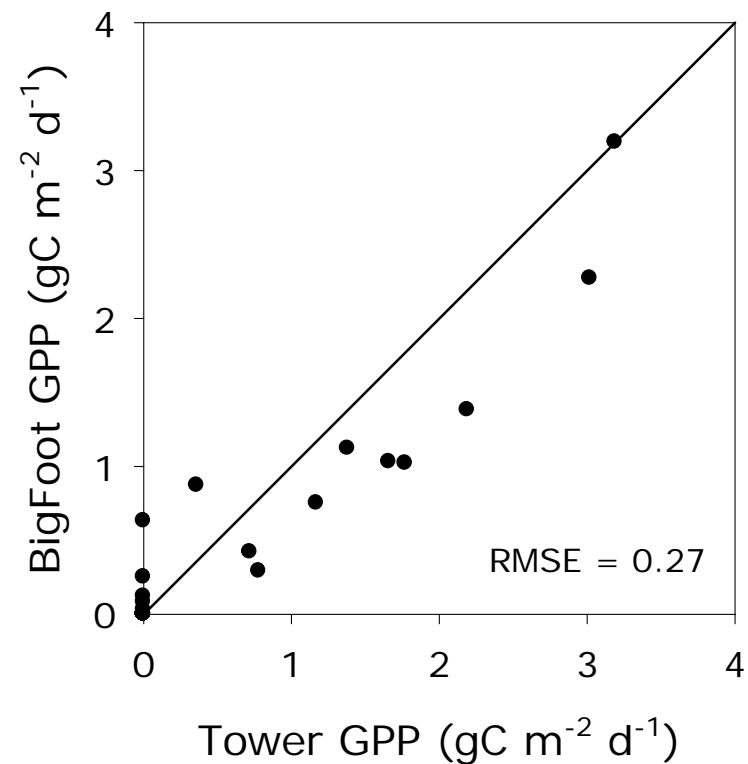
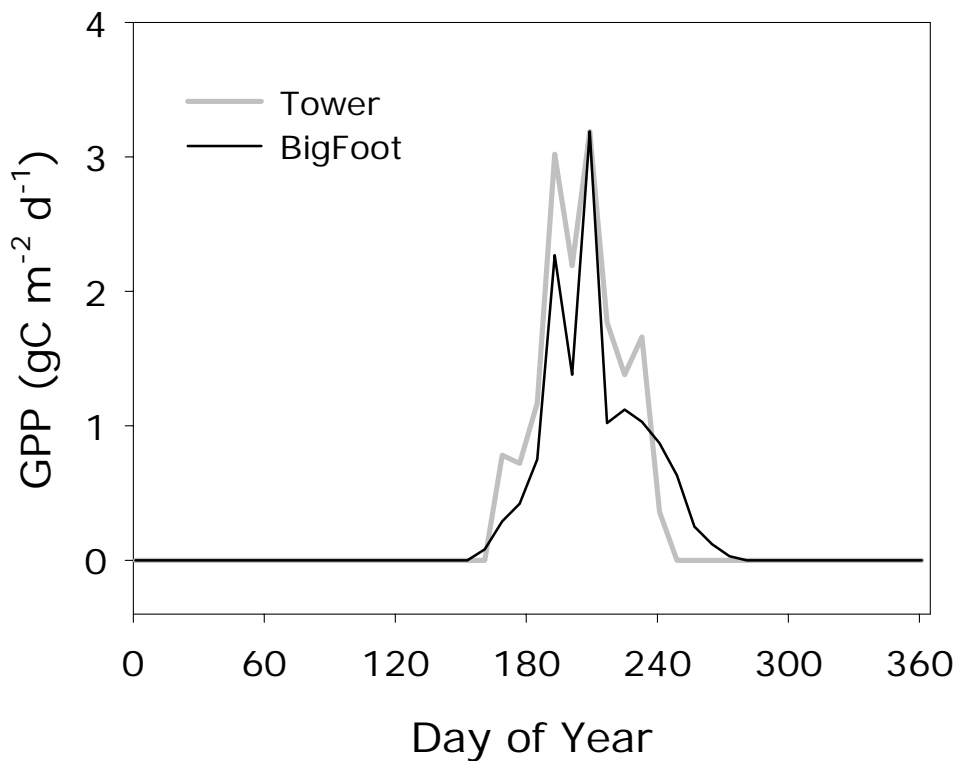
1 km
WGS84 - UTM 4N



www.fsl.orst.edu/larse/bigfoot

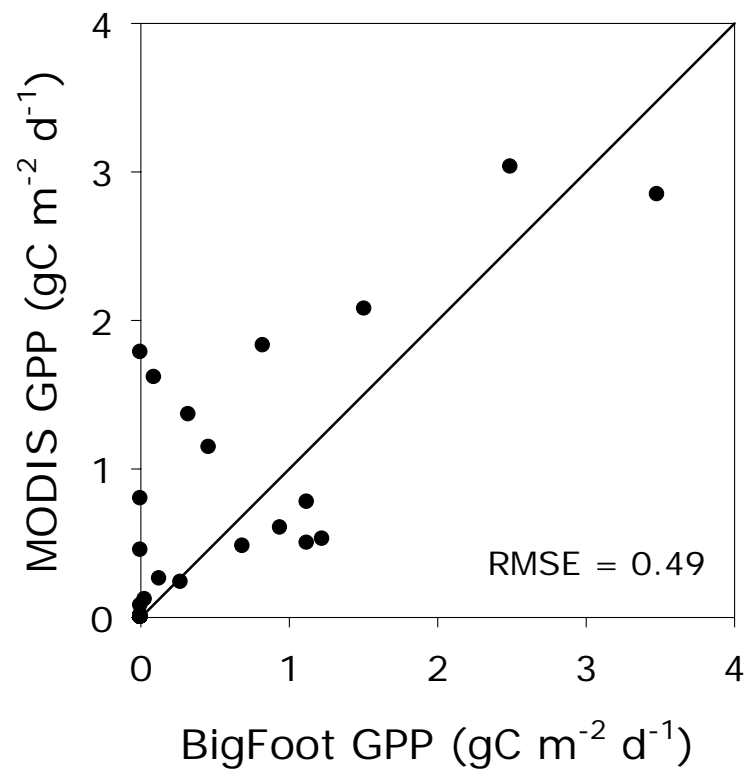
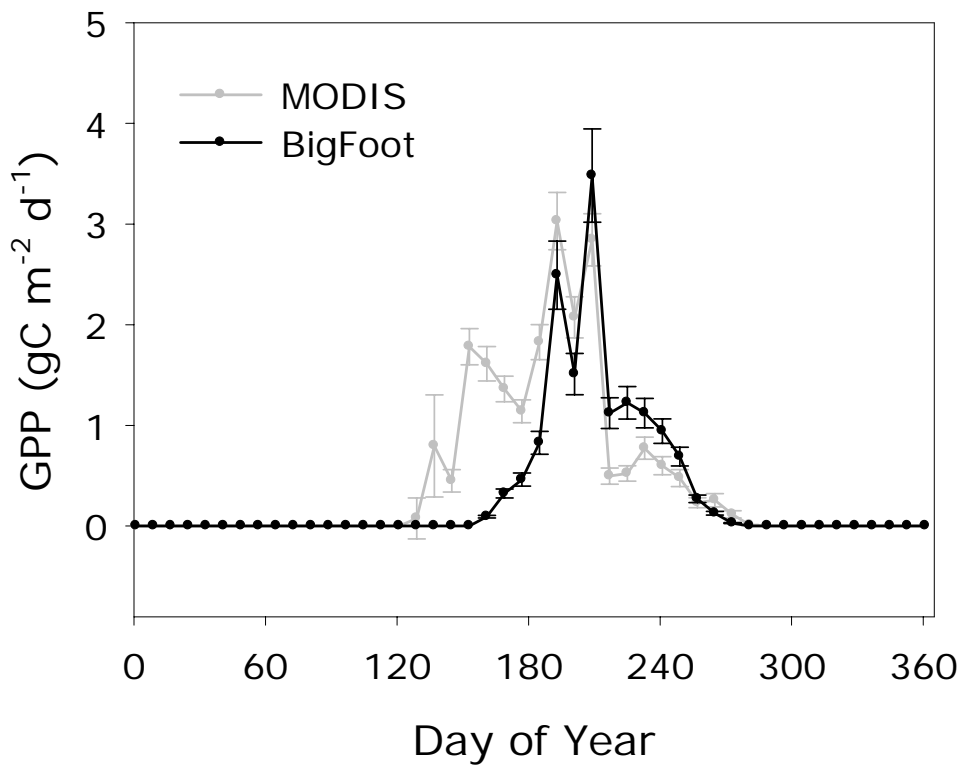
BigFoot
GPP Comparison
BigFoot vs. Tower

Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra



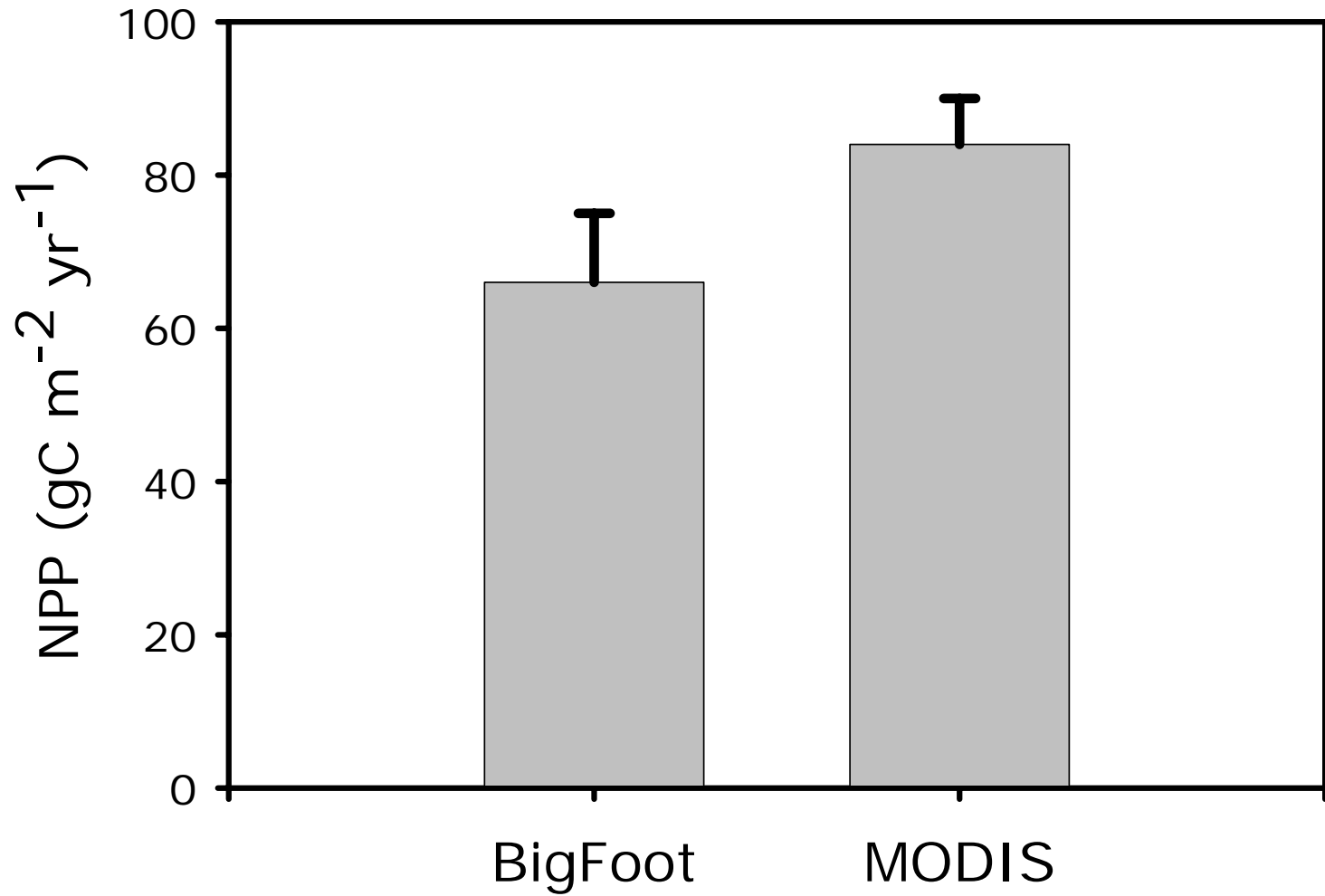
BigFoot
GPP Comparison
BigFoot vs. MODIS

Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra



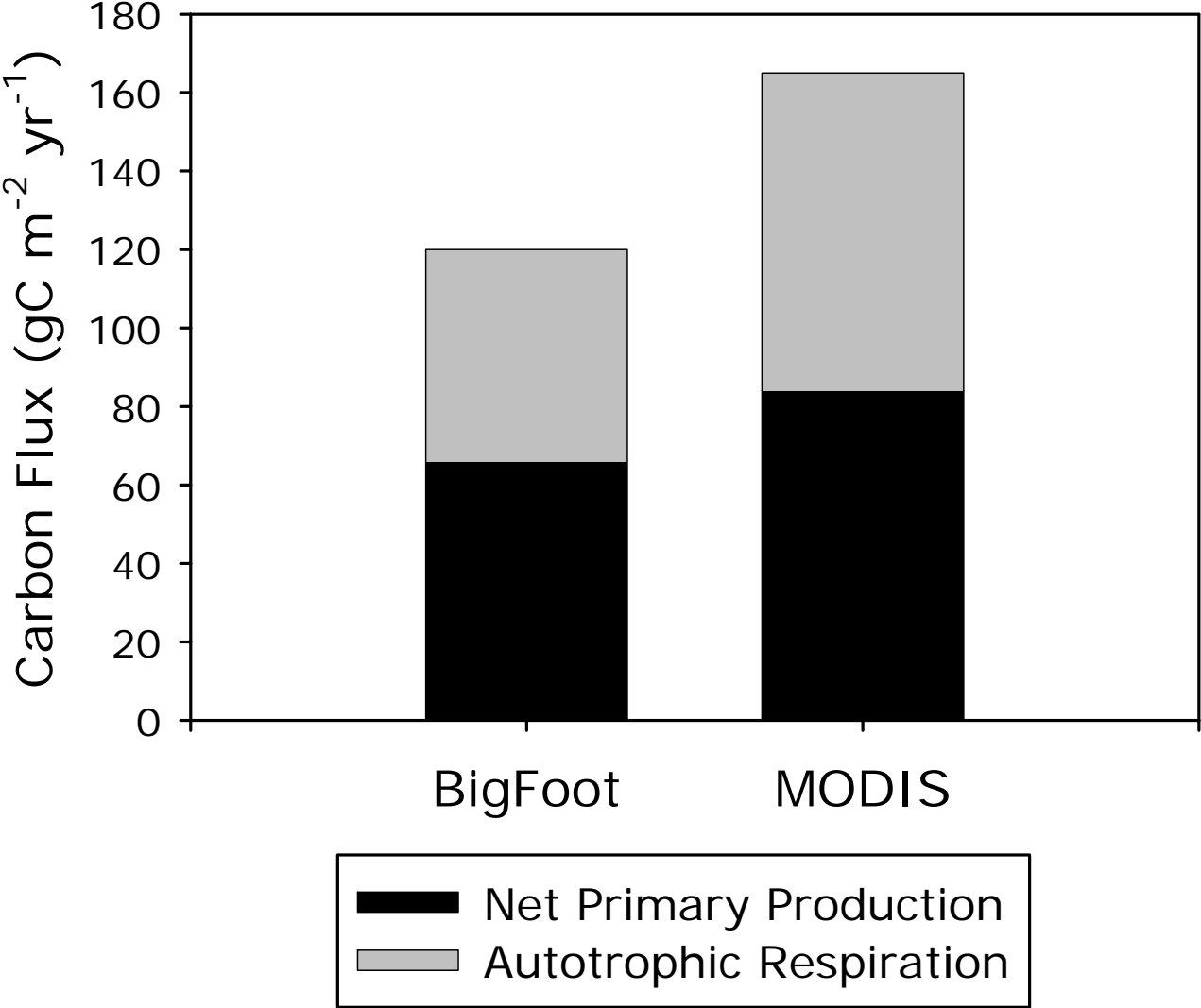
**BigFoot
NPP Comparison
BigFoot vs. MODIS**

**Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra**



BigFoot
Carbon Flux Comparison
BigFoot vs. MODIS

Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra



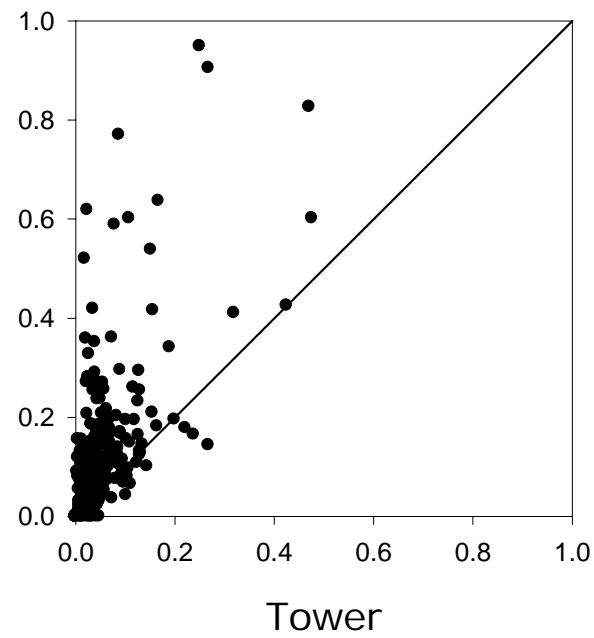
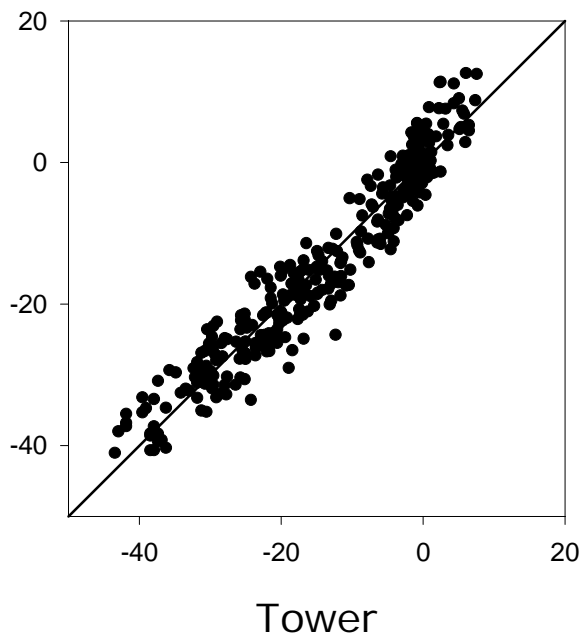
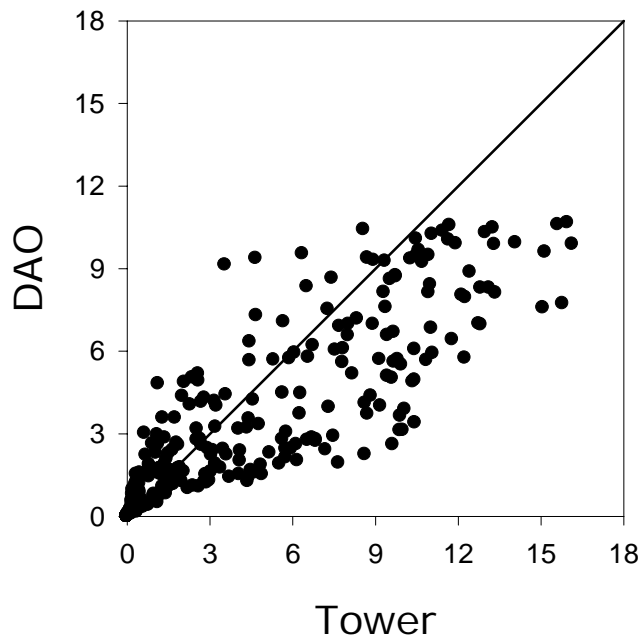
**BigFoot
Meteorological Comparison
Tower vs. DAO***

**Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra**

PAR (MJ m⁻² d⁻¹)

Minimum Temperature (°C)

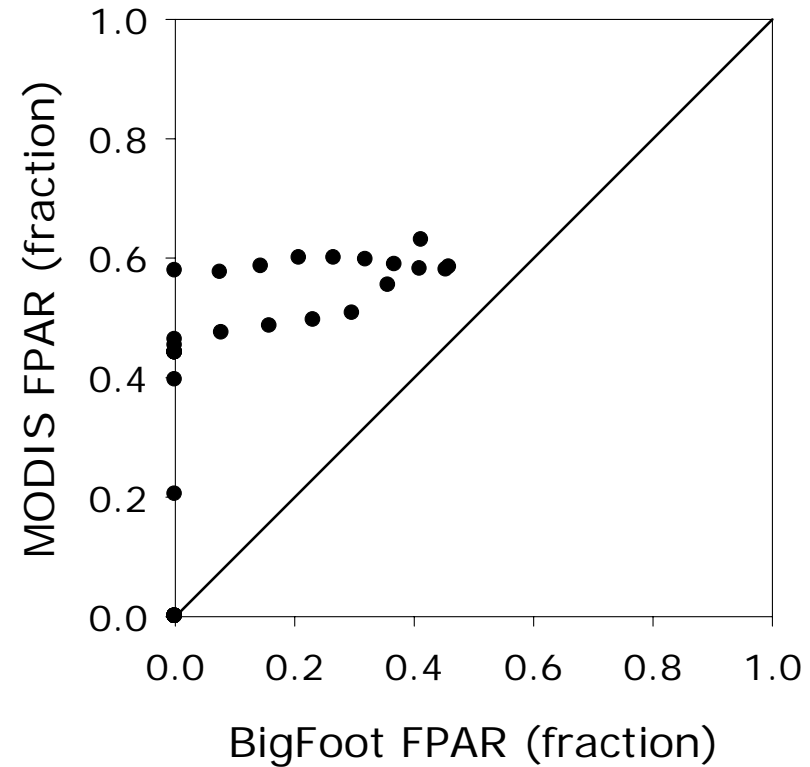
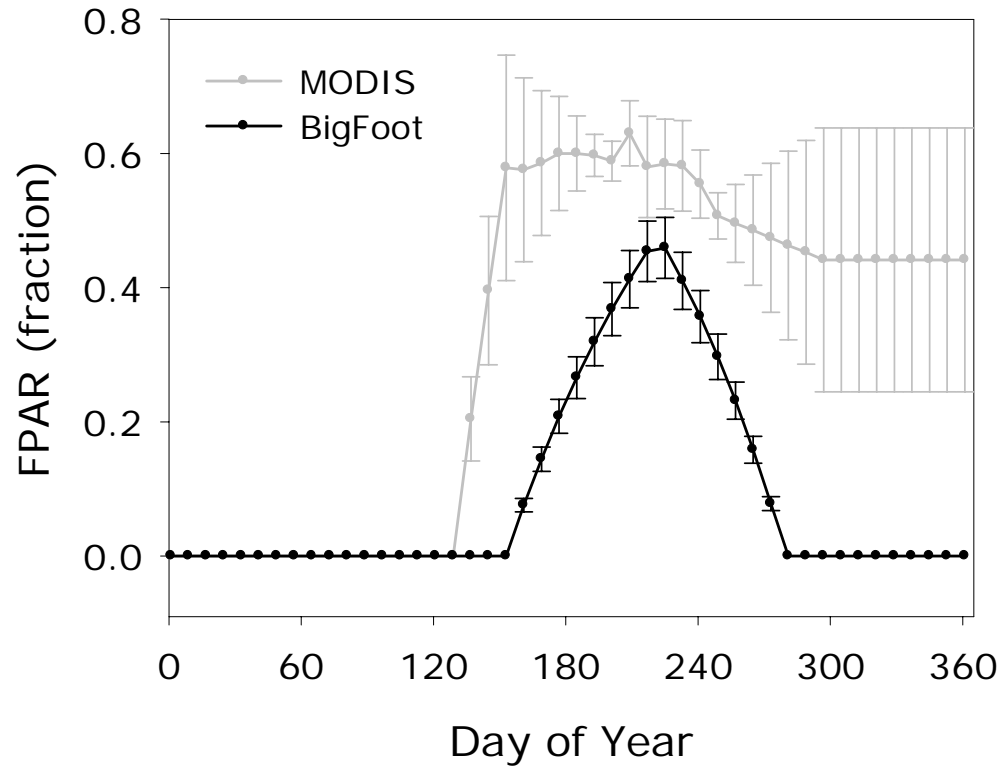
Vapor Pressure Deficit (kPa)



* DAO – Data Assimilation Office

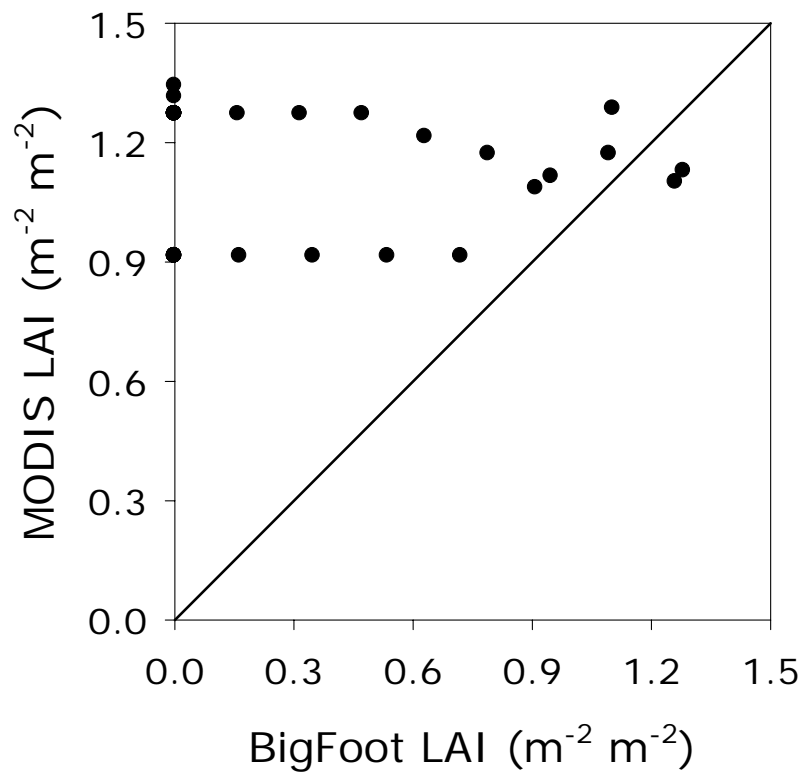
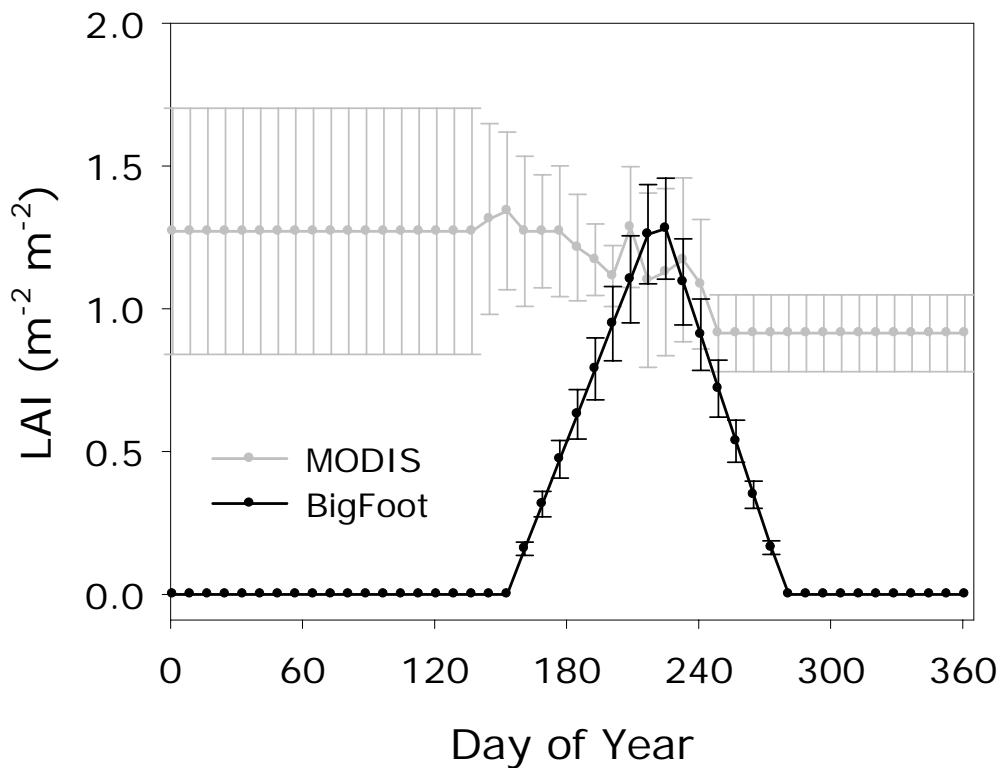
BigFoot
FPAR Comparison
BigFoot vs. MODIS

Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra



BigFoot
LAI Comparison
BigFoot vs. MODIS

Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra



BigFoot
LUE Comparison
BigFoot vs. MODIS

Year: 2002
Site: TUND (Alaska, USA)
Biome: Arctic Tundra

