



Land Cover

Year: 2001

Site: NOBS (Manitoba, Canada)

Biome: Boreal Forest

-  Upland Black Spruce Forest
-  Open Black Spruce Forest
-  Hardwood Forest
-  Shrubland
-  Wetland
-  Barren
-  Water



1 km
WGS84 - UTM 14N



www.fsl.orst.edu/larse/bigfoot



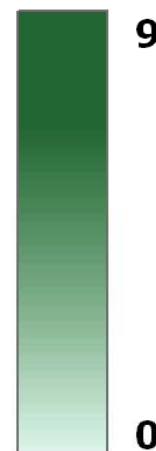
Leaf Area Index

Year: 2001

Site: NOBS (Manitoba, Canada)

Biome: Boreal Forest

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



1 km

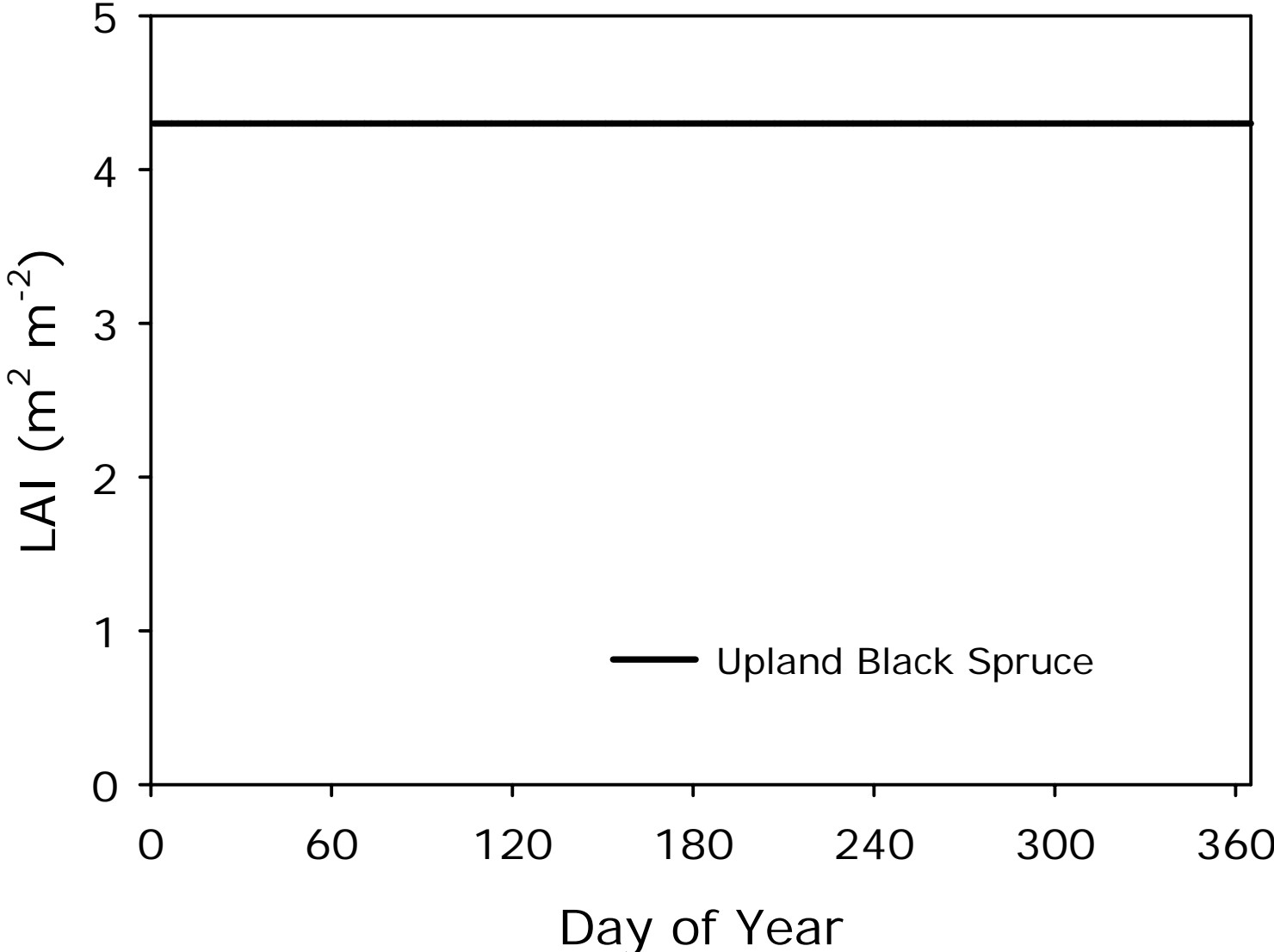
WGS84 - UTM 14N



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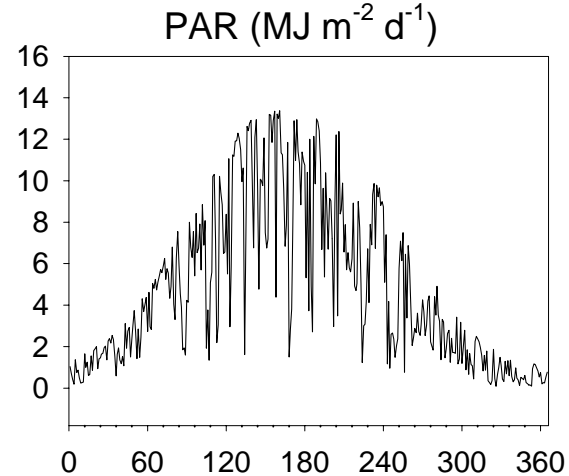
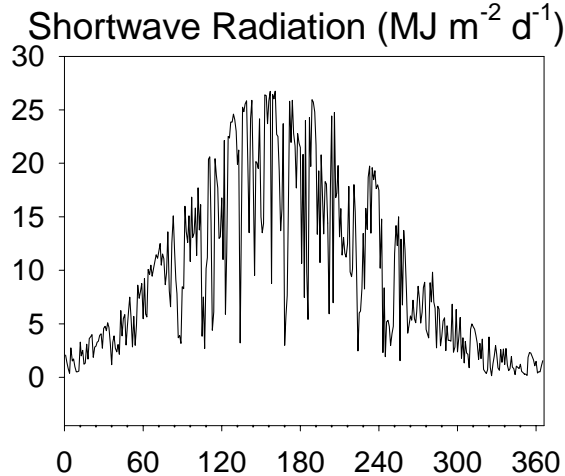
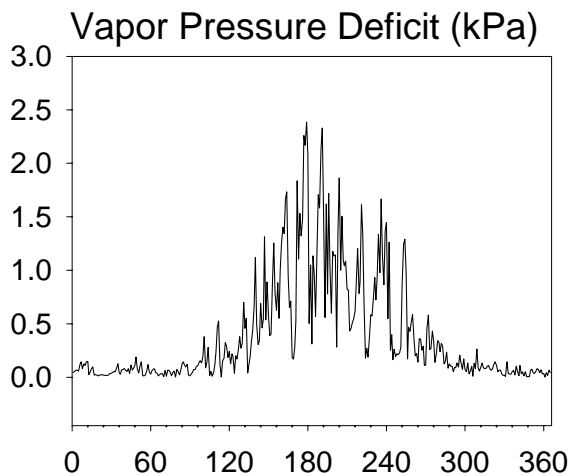
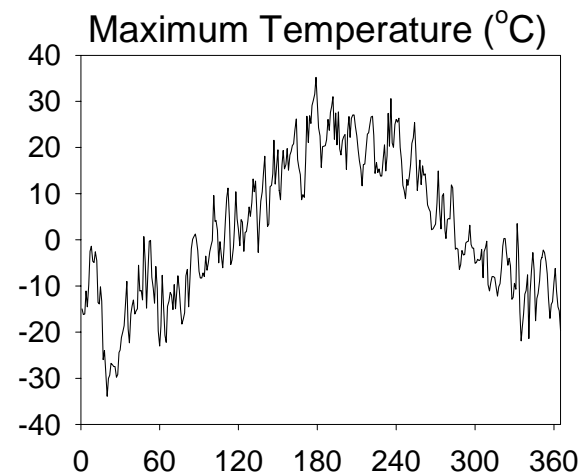
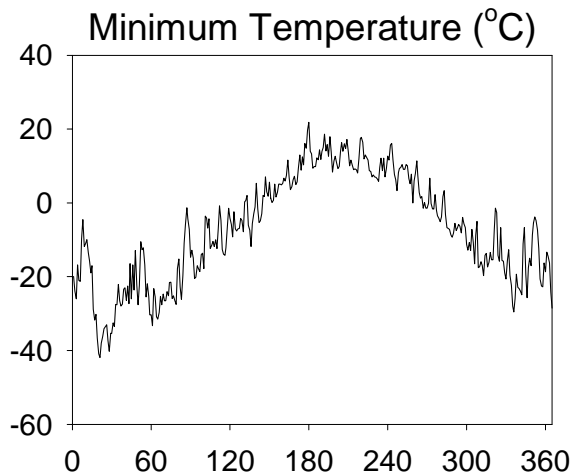
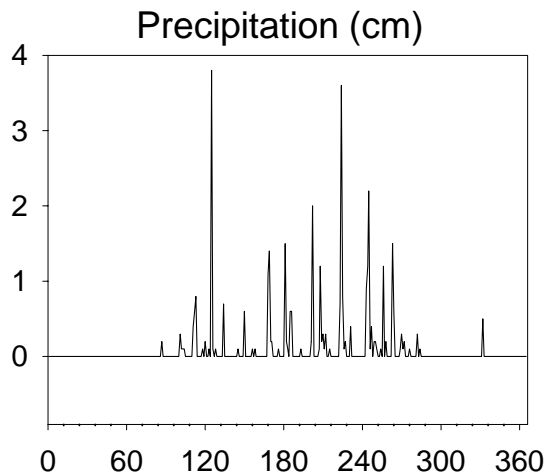
BigFoot
LAI Seasonal Trajectory
Upland Black Spruce

Year: 2002
Site: NOBS (Manitoba, Canada)
Biome: Boreal Forest



BigFoot Meteorological Inputs

Year: 2002
Site: NOBS (Manitoba, Canada)
Biome: Boreal Forest



Day of Year

Day of Year

Day of Year



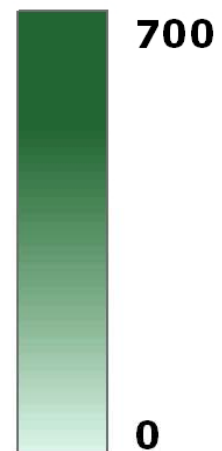
Net Primary Production

Year: 2002

Site: NOBS (Manitoba, Canada)

Biome: Boreal Forest

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



1 km

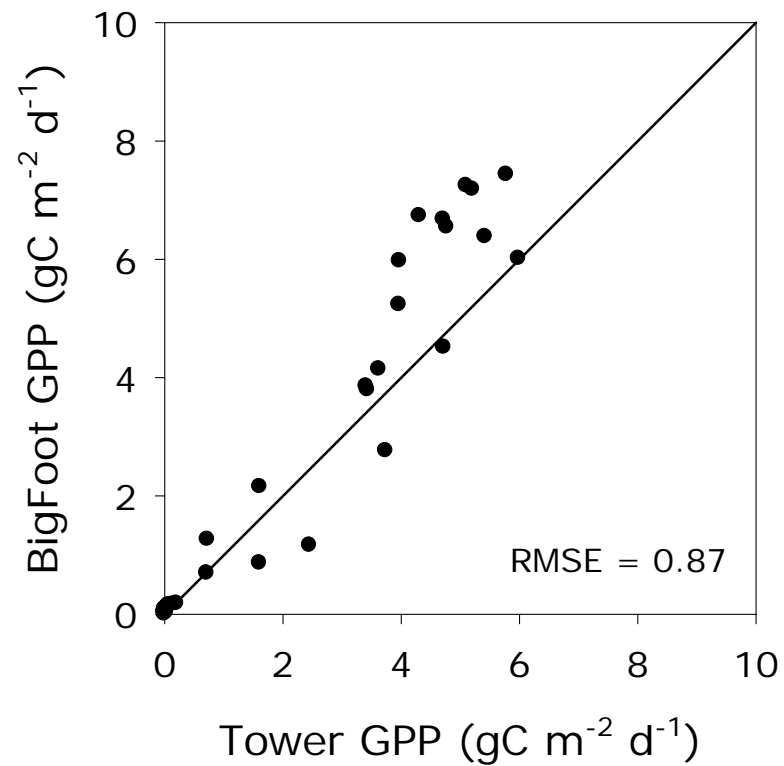
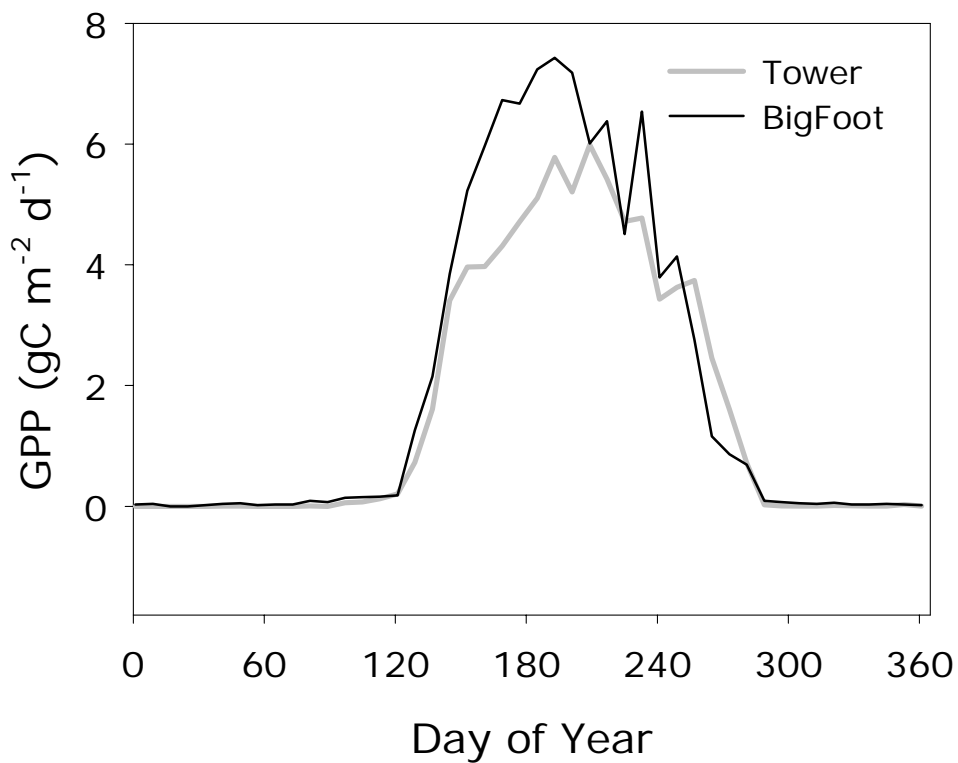
WGS84 - UTM 14N



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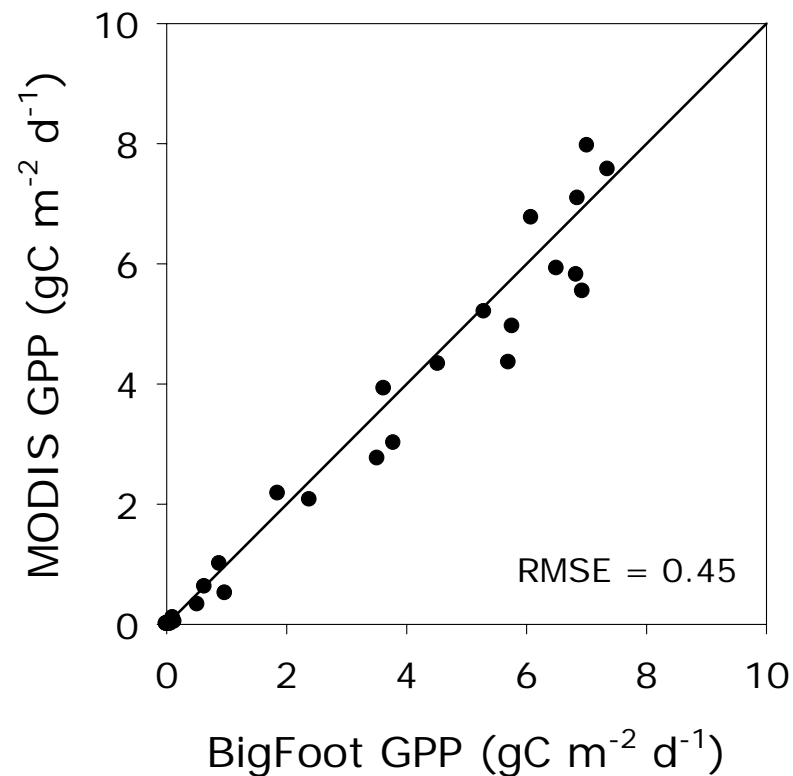
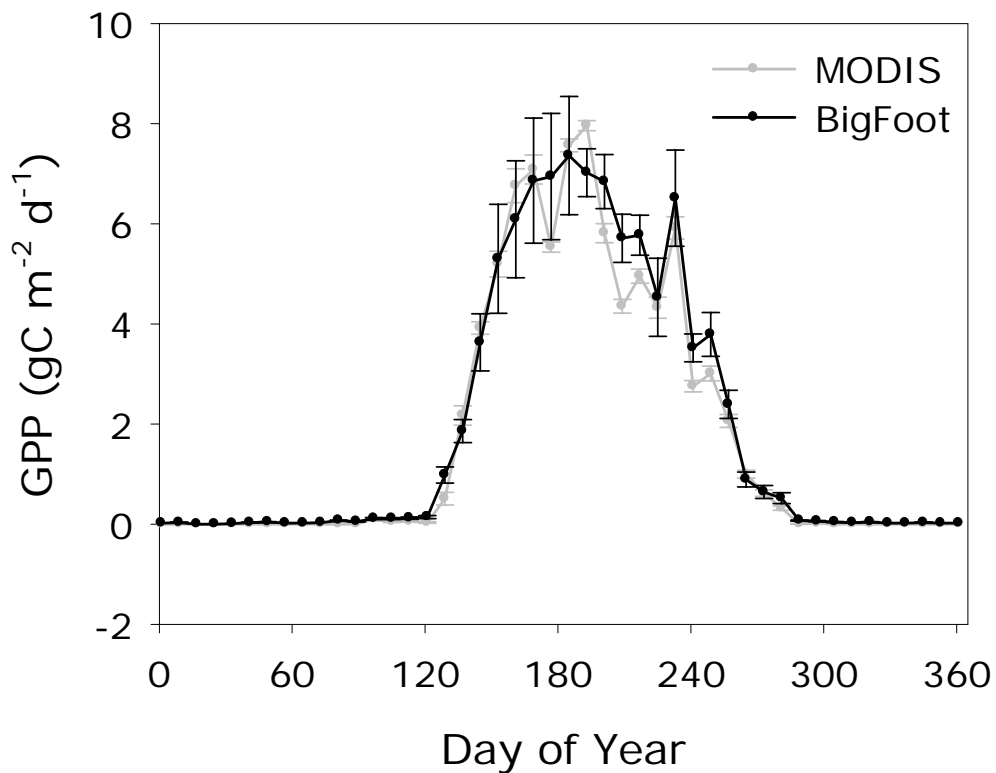
BigFoot
GPP Comparison
BigFoot vs. Tower

Year: 2002
Site: NOBS (Manitoba, Canada)
Biome: Boreal Forest



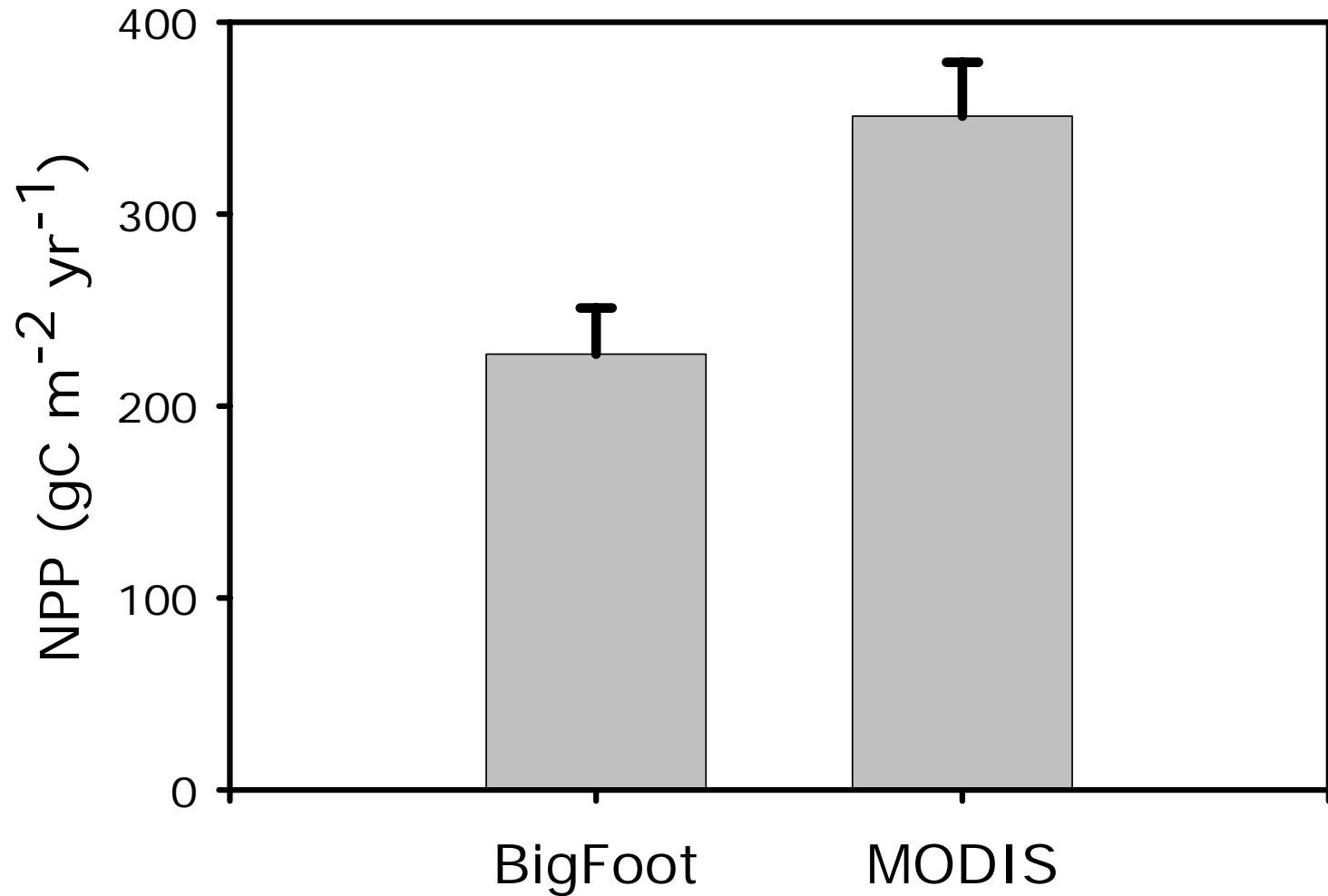
BigFoot
GPP Comparison
BigFoot vs. MODIS

Year: 2002
Site: NOBS (Manitoba, Canada)
Biome: Boreal Forest



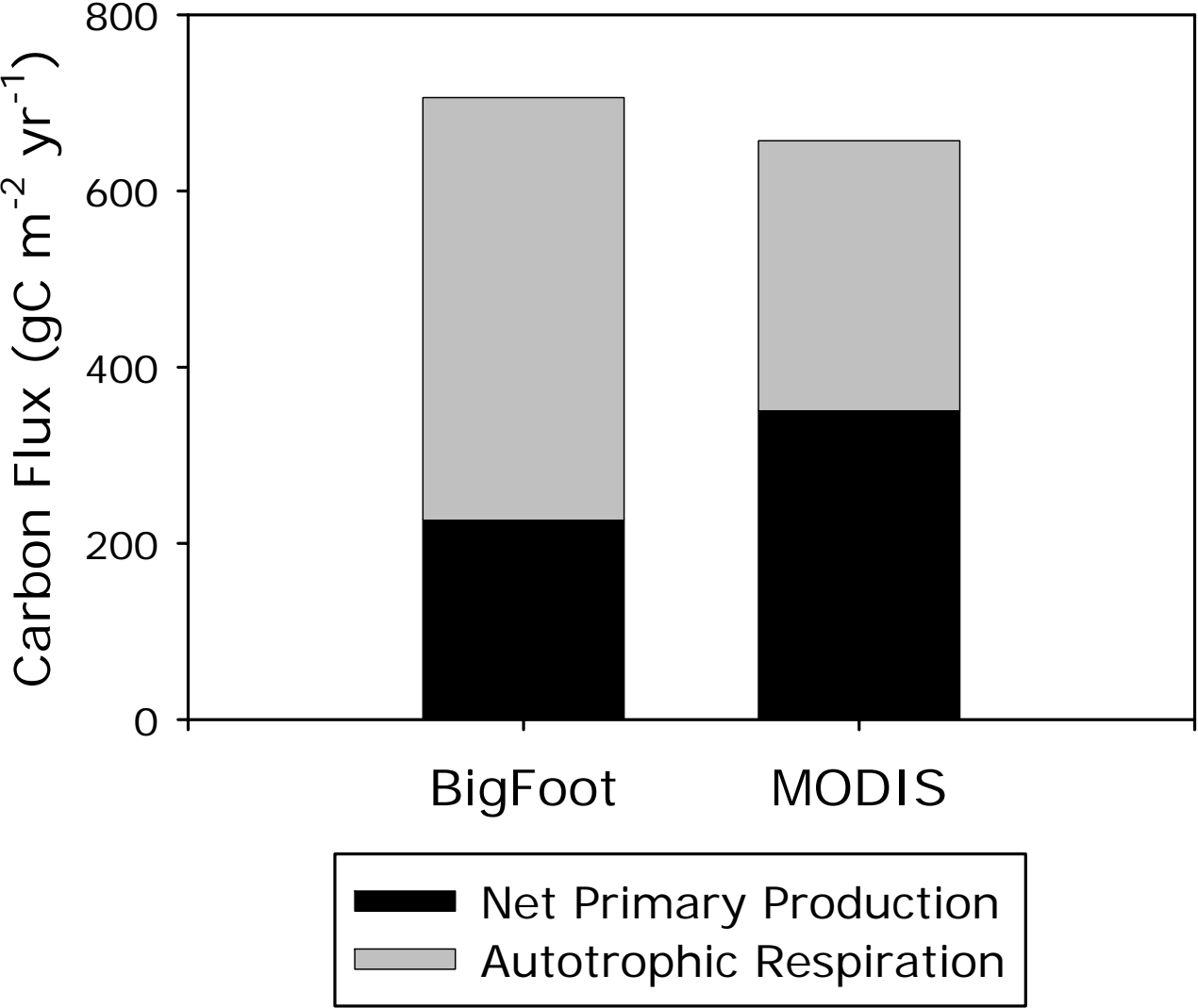
**BigFoot
NPP Comparison
BigFoot vs. MODIS**

**Year: 2002
Site: NOBS (Manitoba, Canada)
Biome: Boreal Forest**



BigFoot
Carbon Flux Comparison
BigFoot vs. MODIS

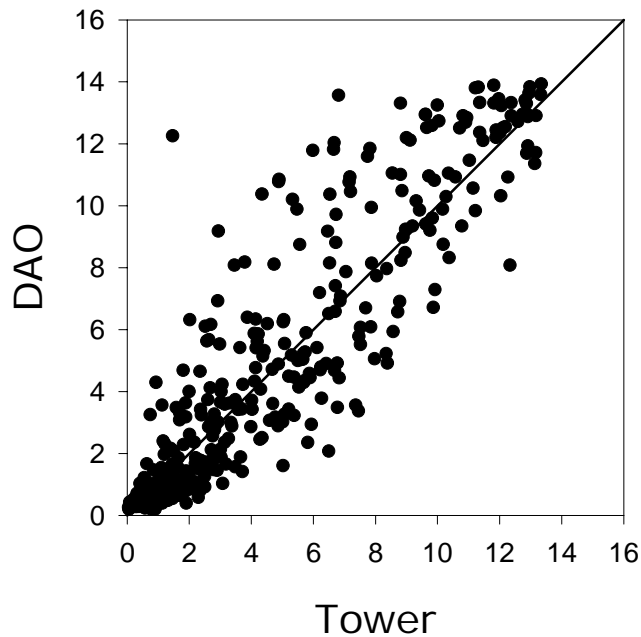
Year: 2002
Site: NOBS (Manitoba, Canada)
Biome: Boreal Forest



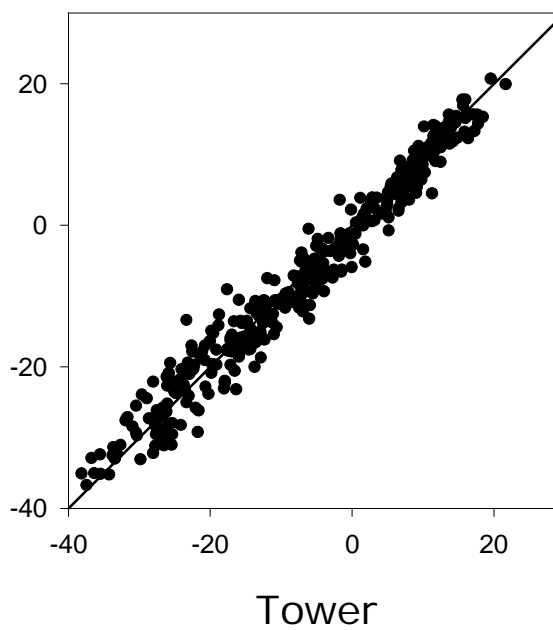
**BigFoot
Meteorological Comparison
Tower vs. DAO***

**Year: 2002
Site: NOBS (Manitoba, Canada)
Biome: Boreal Forest**

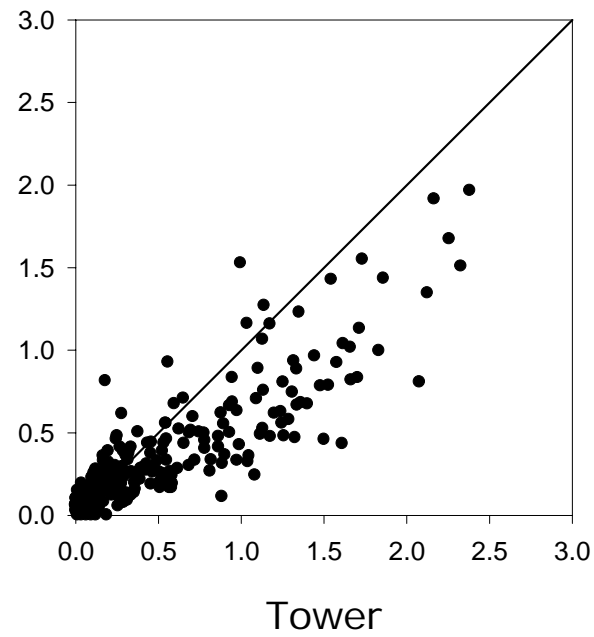
PAR ($\text{MJ m}^{-2} \text{d}^{-1}$)



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



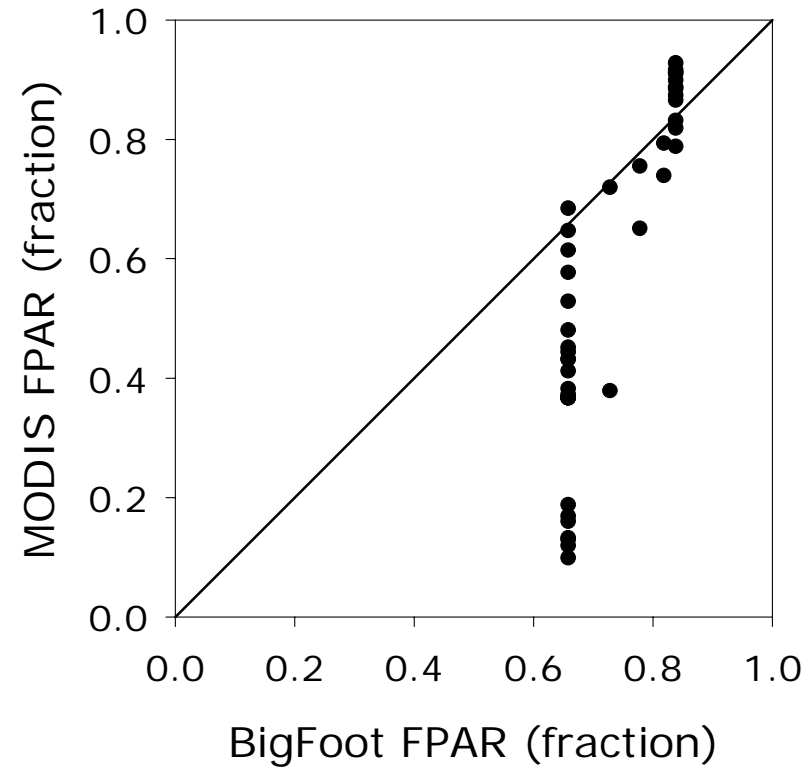
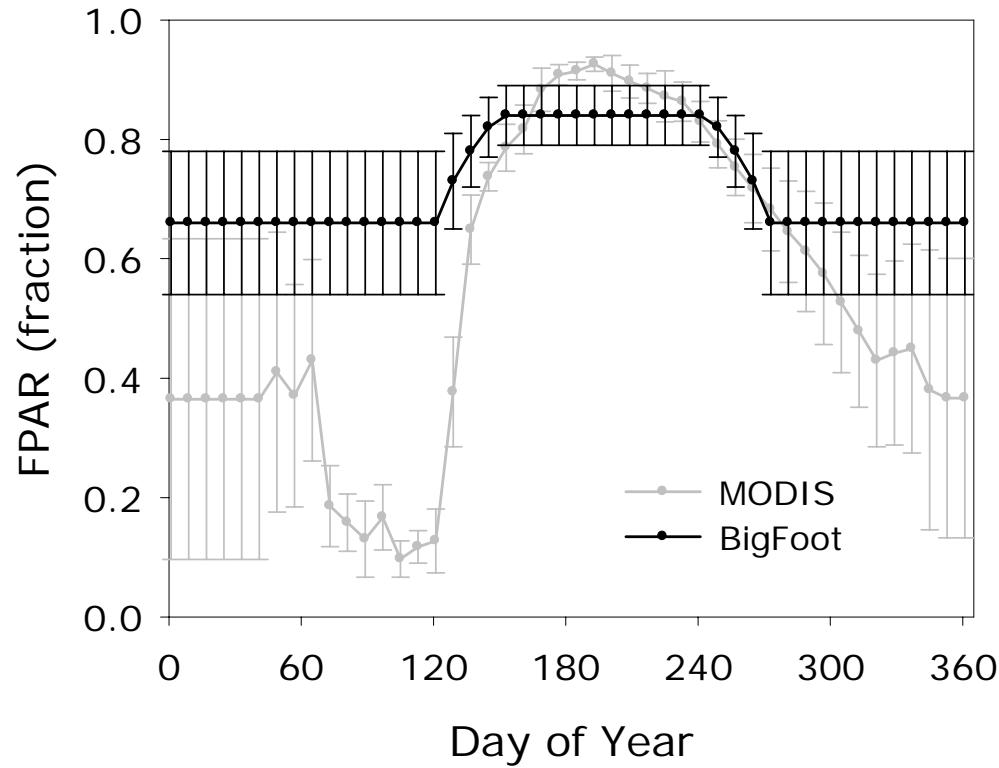
Vapor Pressure Deficit (kPa)



* DAO – Data Assimilation Office

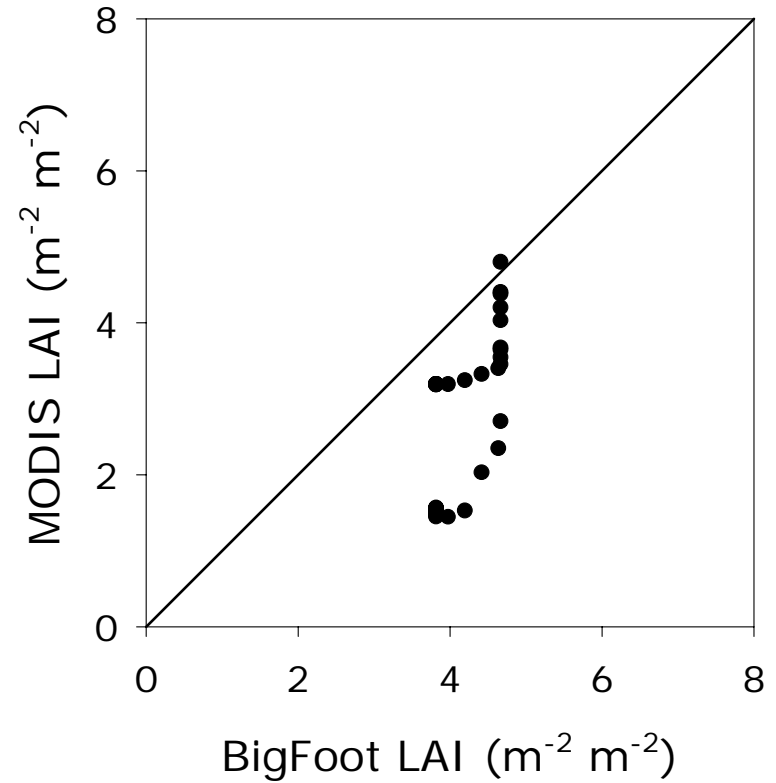
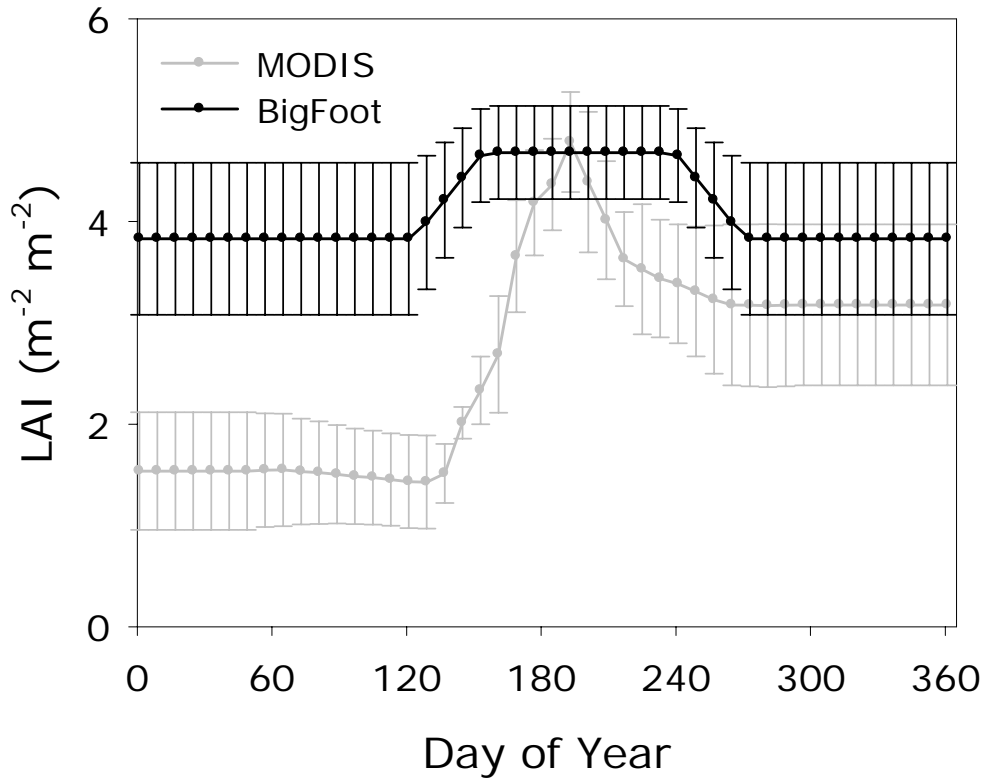
BigFoot
FPAR Comparison
BigFoot vs. MODIS

Year: 2002
Site: NOBS (Manitoba, Canada)
Biome: Boreal Forest



BigFoot
LAI Comparison
BigFoot vs. MODIS

Year: 2002
Site: NOBS (Manitoba, Canada)
Biome: Boreal Forest



BigFoot
LUE Comparison
BigFoot vs. MODIS

Year: 2002
Site: NOBS (Manitoba, Canada)
Biome: Boreal Forest

