

PAR Plots

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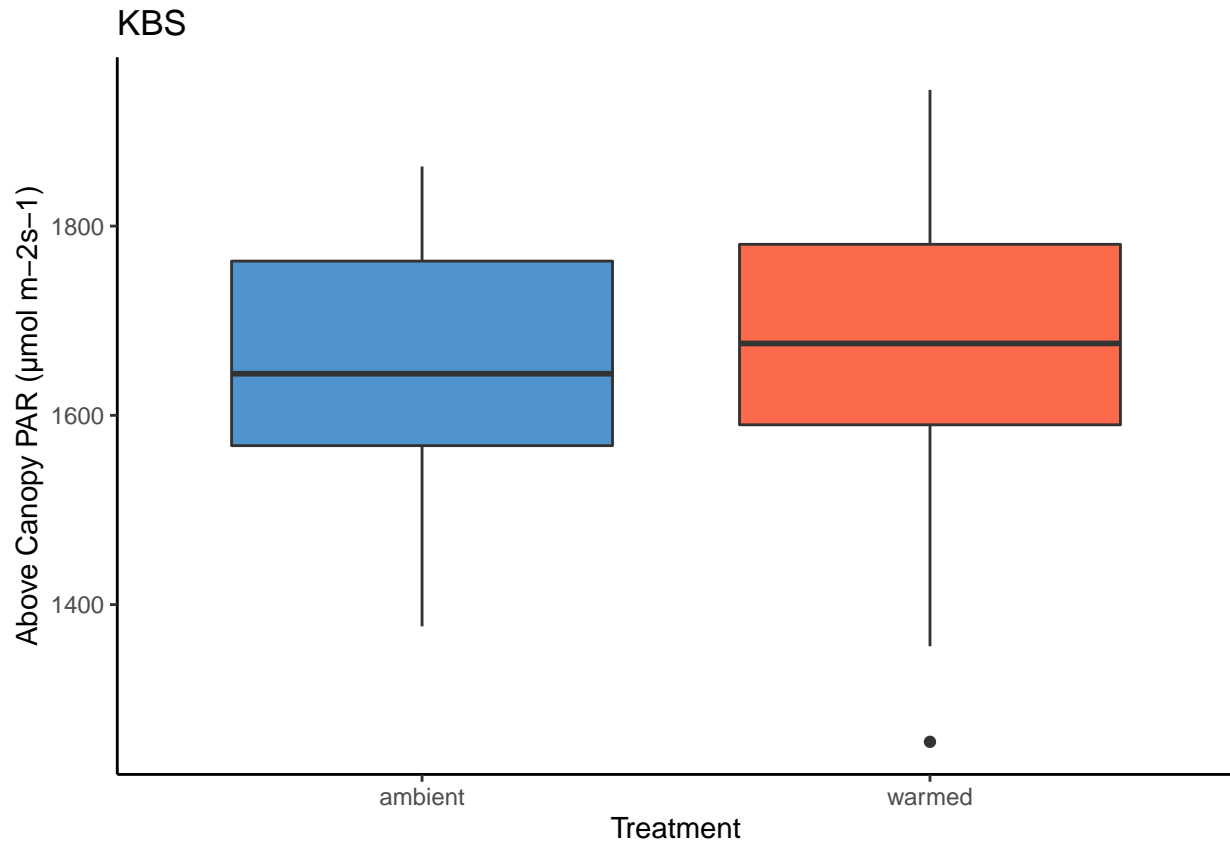
COLLABORATORS: Phoebe Zarnetske, Nina Lany, Kathryn Schmidt, Mark Hammond, Pat Bills, Kileigh Welshofer, Moriah Young

DATA INPUT: CSV files are located in the L1 PAR folder in the shared Google drive

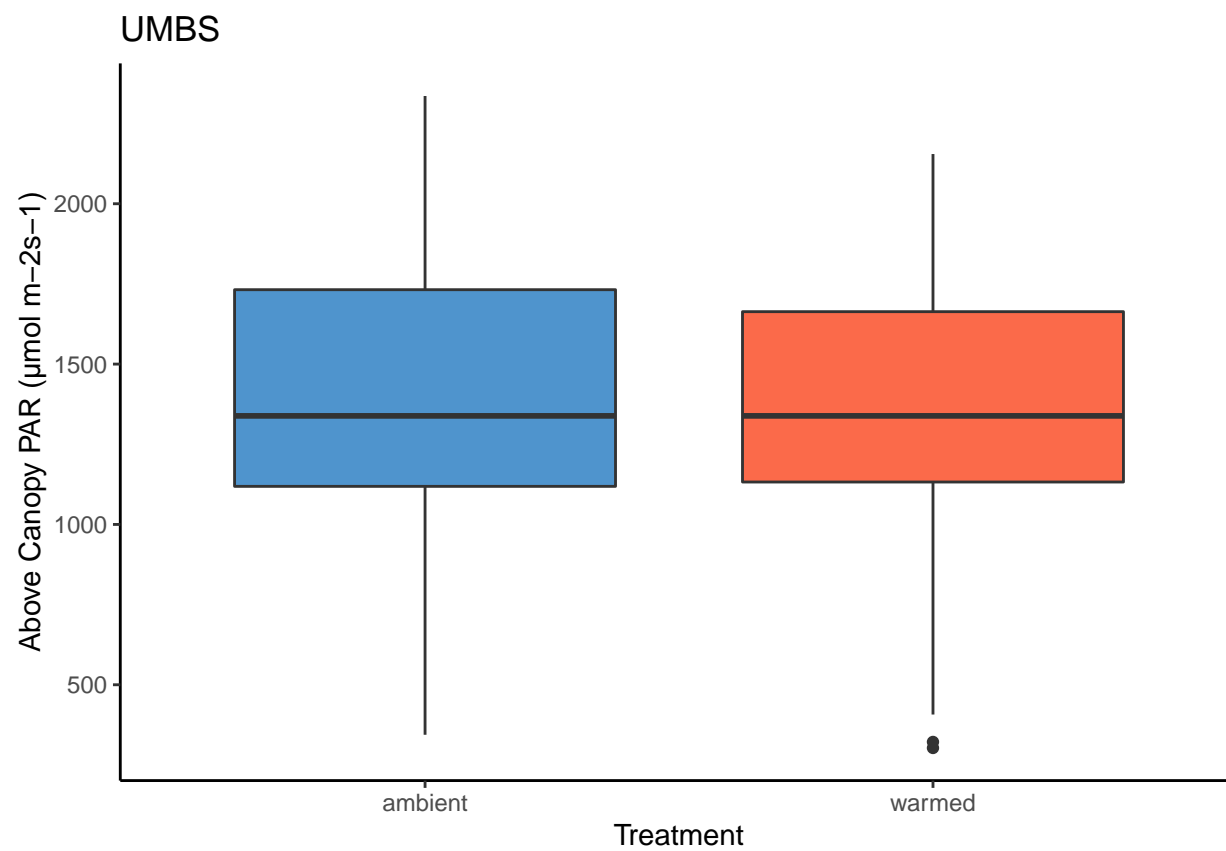
DATA OUTPUT: Plots of PAR data

Average PAR above the plant canopy for warmed and ambient

```
ggplot(KBS, aes(x=state, y=Overstory, fill=state)) +  
  geom_boxplot() +  
  scale_fill_manual(labels = c("Ambient", "Warmed"),  
                    values=c('steelblue3', '#fb6a4a')) +  
  labs(title="KBS", y="Above Canopy PAR ( $\mu\text{mol m}^{-2}\text{s}^{-1}$ ", x="Treatment") +  
  theme_classic() +  
  theme(legend.position = "none")
```

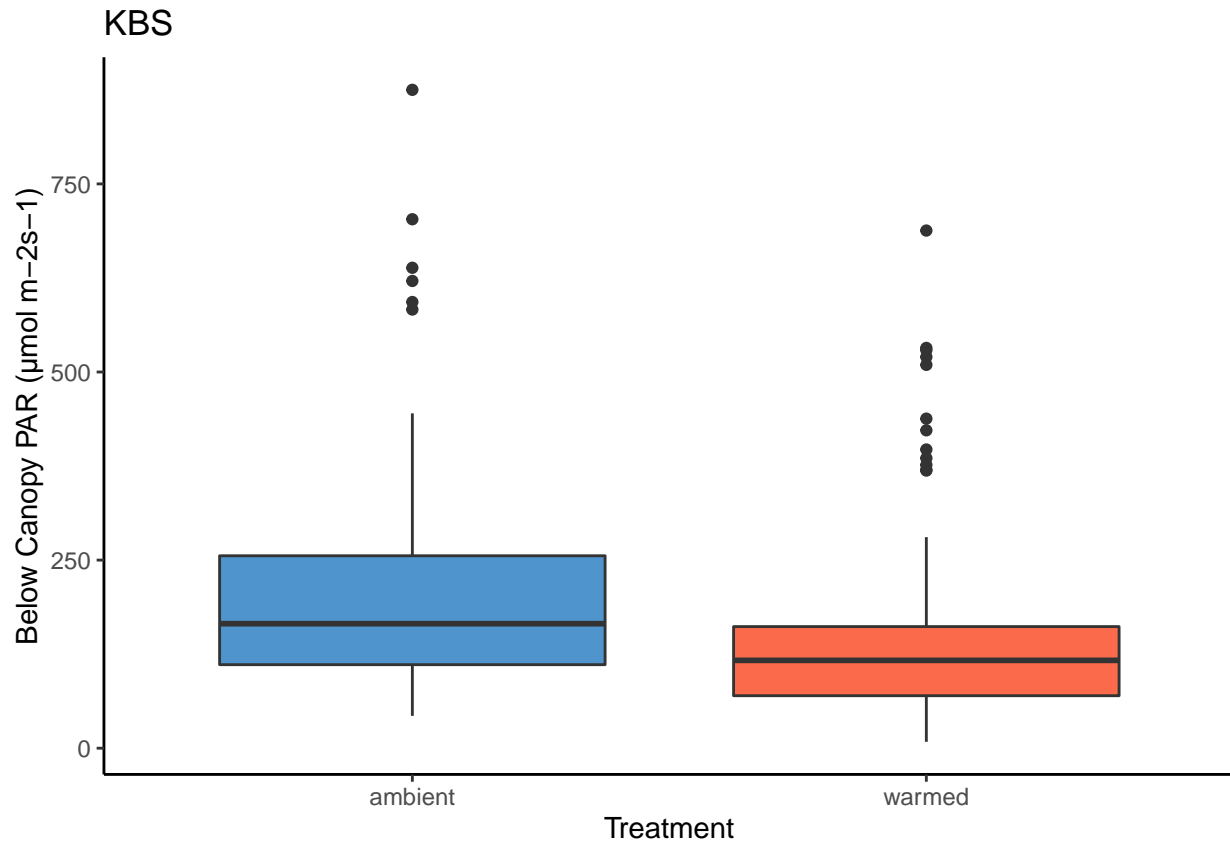


```
ggplot(UMBS, aes(x=state, y=Overstory, fill=state)) +  
  geom_boxplot() +  
  scale_fill_manual(labels = c("Ambient", "Warmed"),  
                    values=c('steelblue3', '#fb6a4a')) +  
  labs(title="UMBS", y="Above Canopy PAR ( $\mu\text{mol m}^{-2}\text{s}^{-1}$ ", x="Treatment") +  
  theme_classic() +  
  theme(legend.position = "none")
```



Average PAR below the plant canopy for warmed and ambient

```
ggplot(KBS, aes(x=state, y=Average_Ground, fill=state)) +  
  geom_boxplot() +  
  scale_fill_manual(labels = c("Ambient", "Warmed"),  
                    values=c('steelblue3', '#fb6a4a')) +  
  labs(title="KBS", y="Below Canopy PAR ( $\mu\text{mol m}^{-2}\text{s}^{-1}$ ", x="Treatment") +  
  theme_classic() +  
  theme(legend.position = "none")
```



```
ggplot(UMBS, aes(x=state, y=Average_Ground, fill=state)) +  
  geom_boxplot() +  
  scale_fill_manual(labels = c("Ambient", "Warmed"),  
                    values=c('steelblue3', '#fb6a4a')) +  
  labs(title="UMBS", y="Below Canopy PAR ( $\mu\text{mol m}^{-2}\text{s}^{-1}$ ", x="Treatment") +  
  theme_classic() +  
  theme(legend.position = "none")
```

