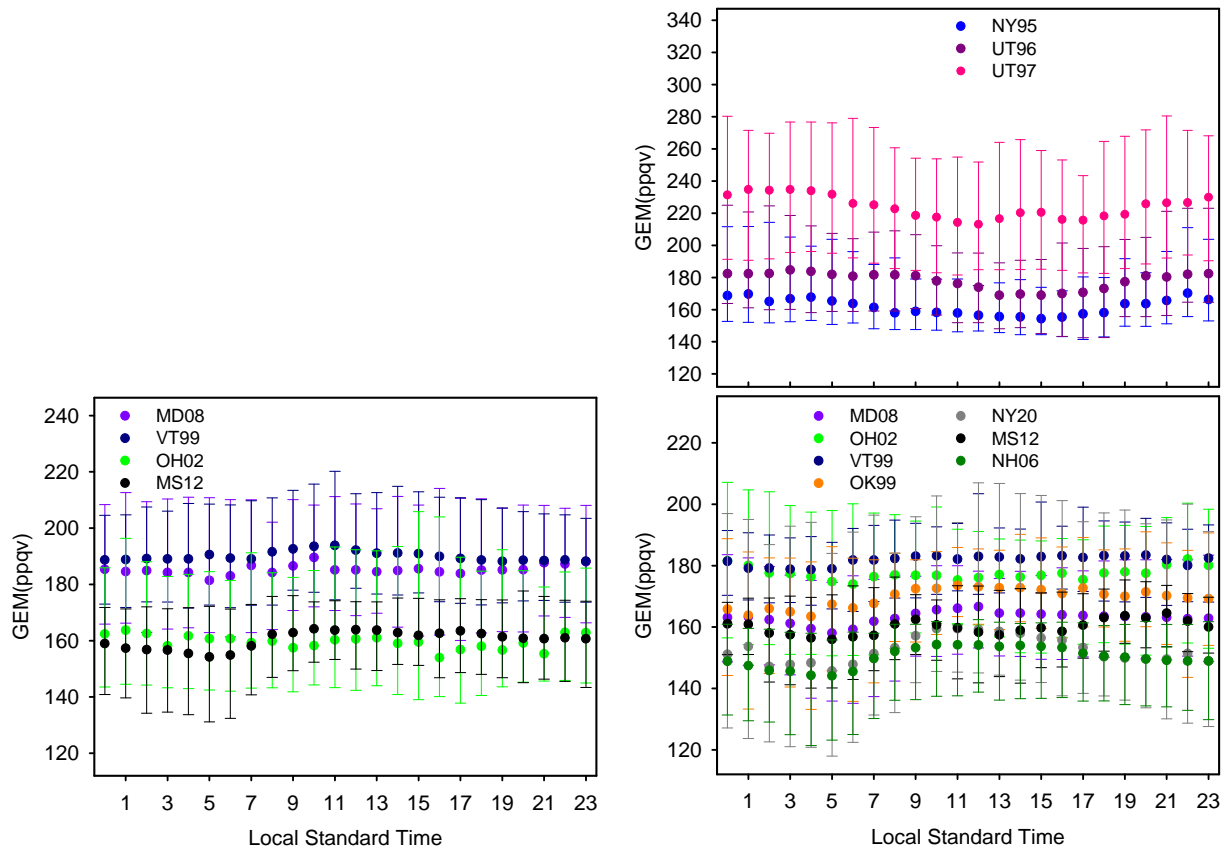
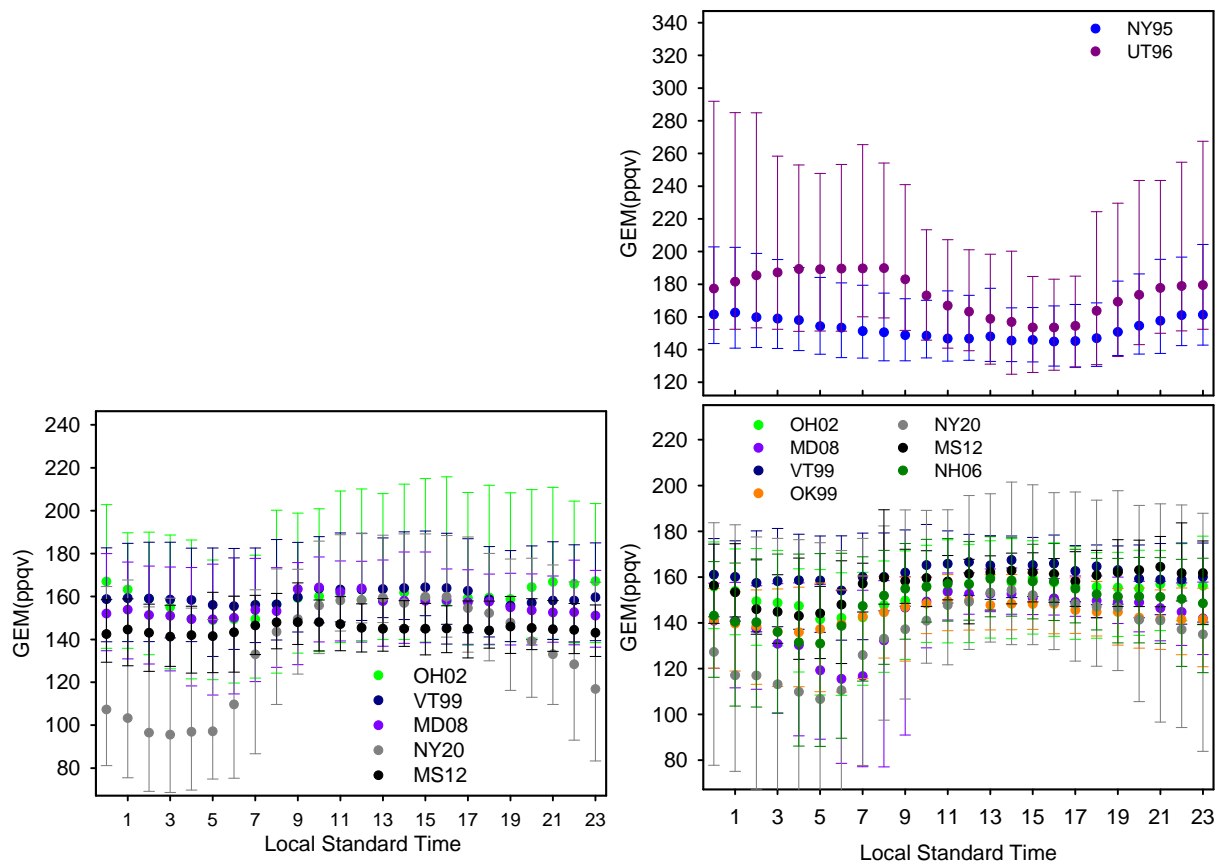


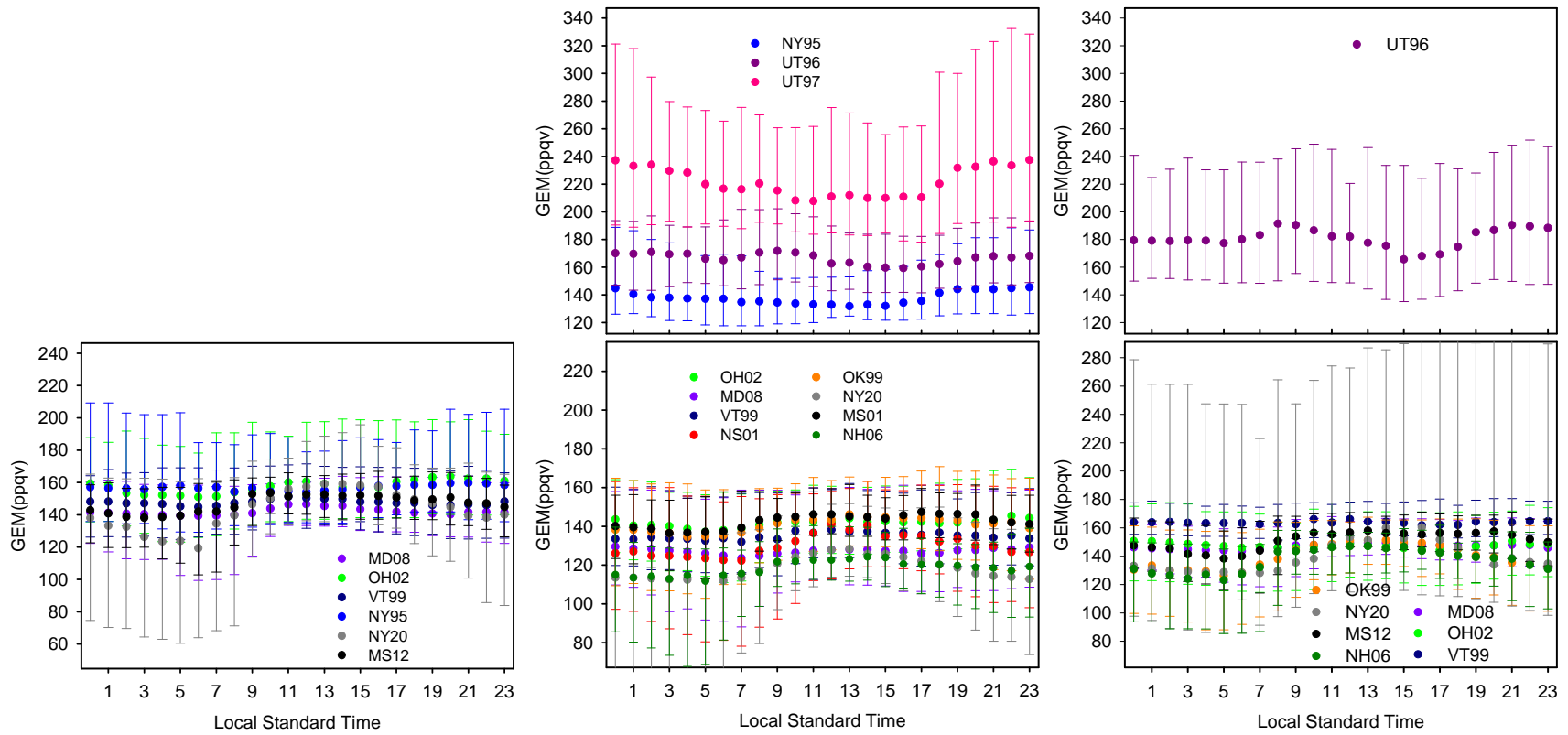
Support material:



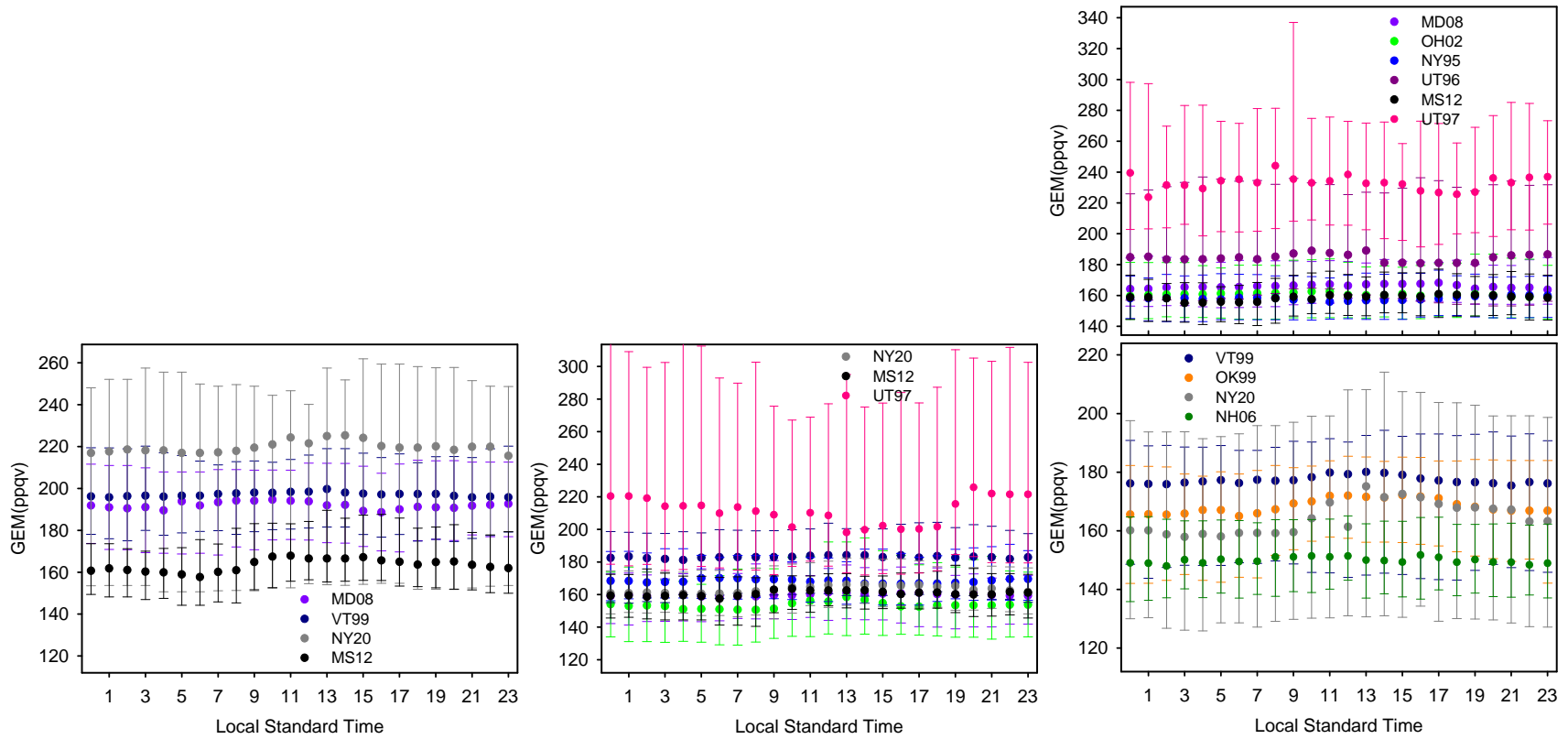
S Figure 1. GEM diurnal variation in 2008 spring (left panel) and 2010 spring (right panel), the upper error bars represent 90 percentile while the lower error bars represent 10 percentile values.



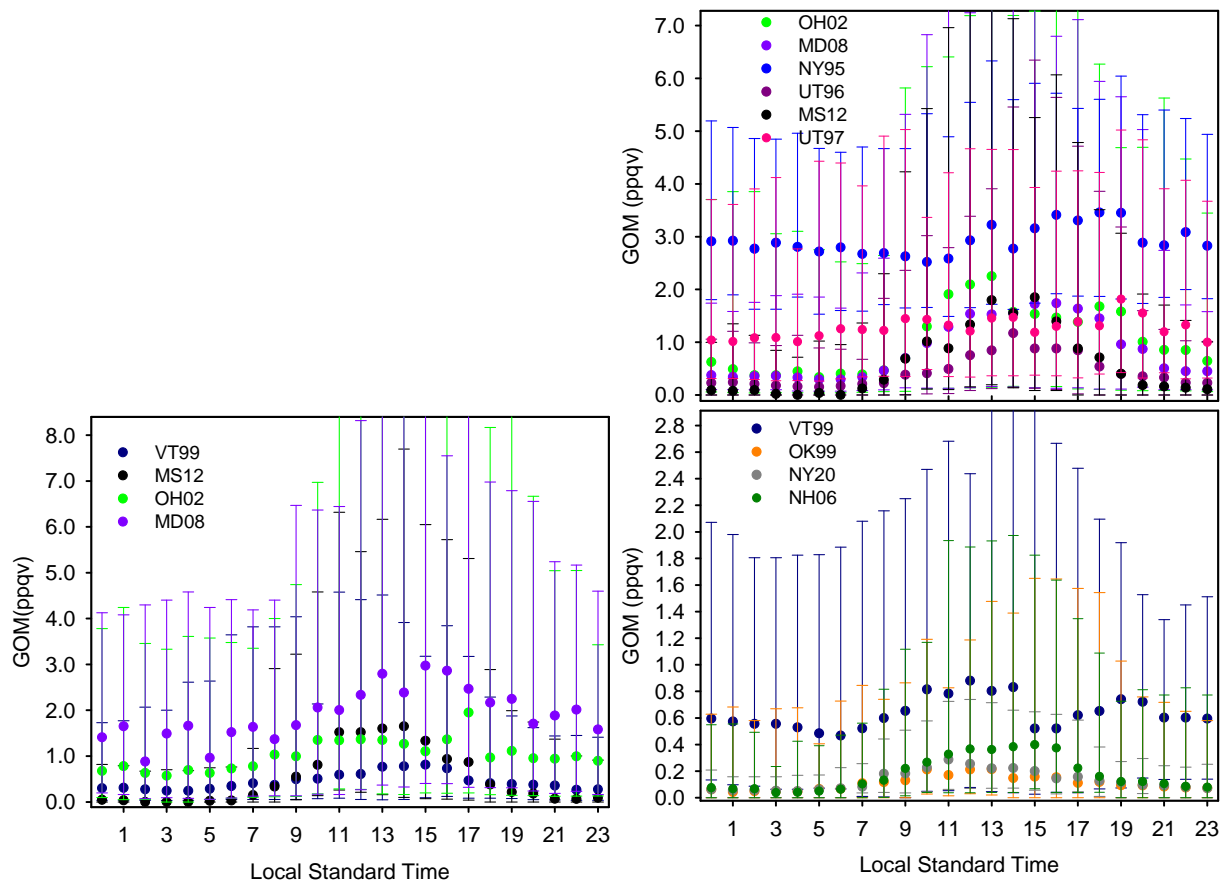
S Figure 2. GEM diurnal variation in 2008 summer (left panel) and 2010 summer (right panel), the upper error bars represent 90 percentile while the lower error bars represent 10 percentile values.



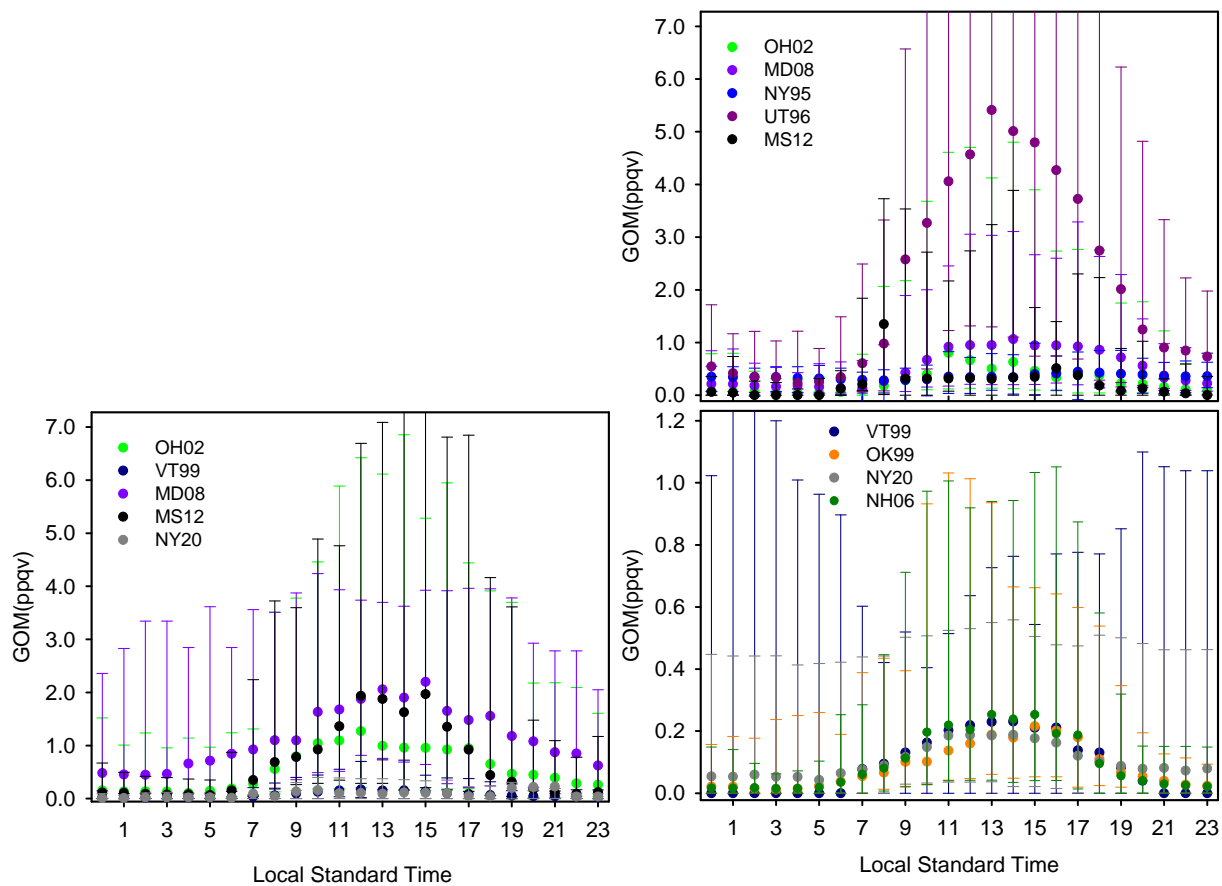
S Figure 3. GEM diurnal variation in 2008 fall (left panel), 2009 fall (middle panel) and 2010 fall (right panel), the upper error bars represent 90 percentile while the lower error bars represent 10 percentile values.



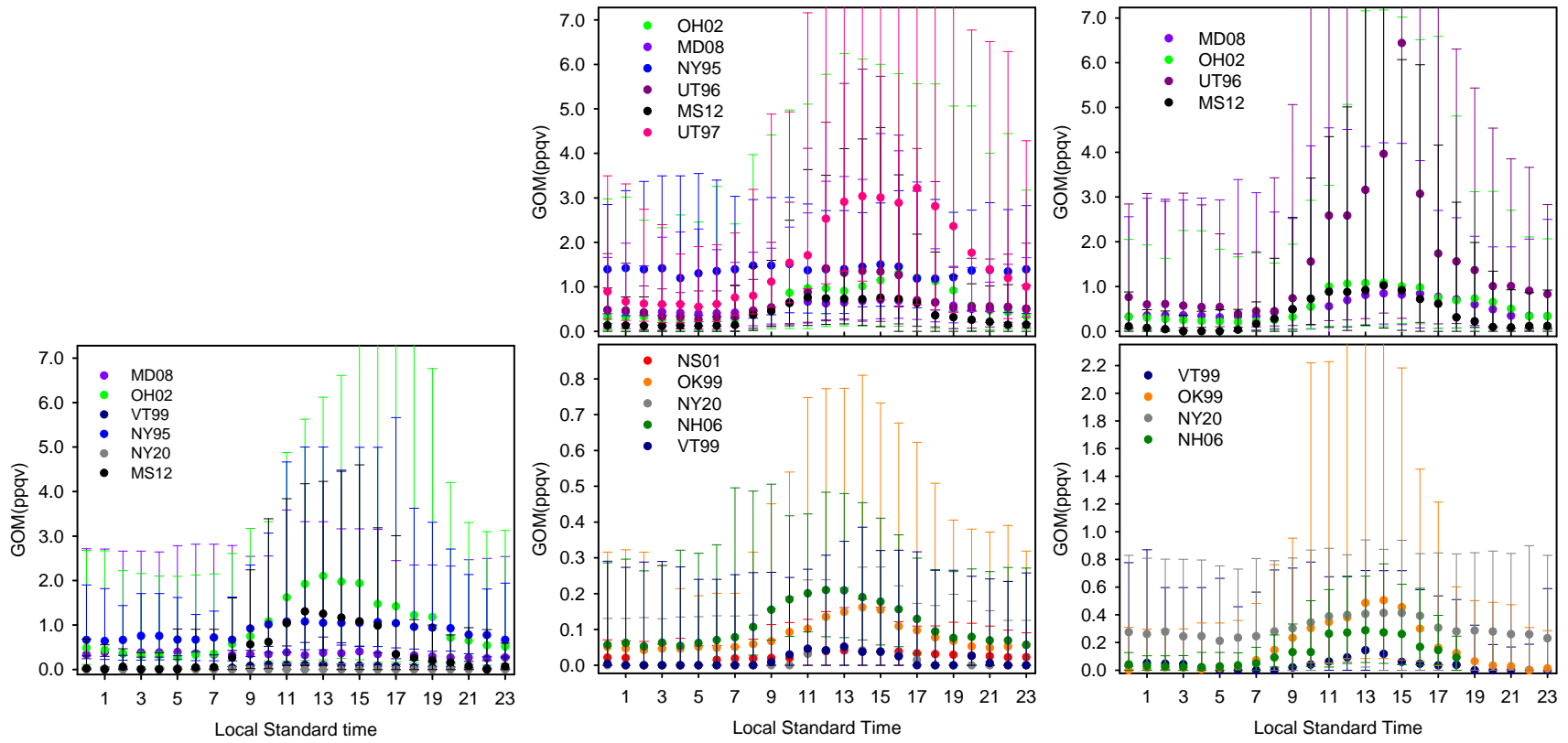
S Figure 4. GEM diurnal variation in 2008 winter (left panel), 2009 winter (middle panel) and 2010 winter (right panel), the upper error bars represent 90 percentile while the lower error bars represent 10 percentile values.



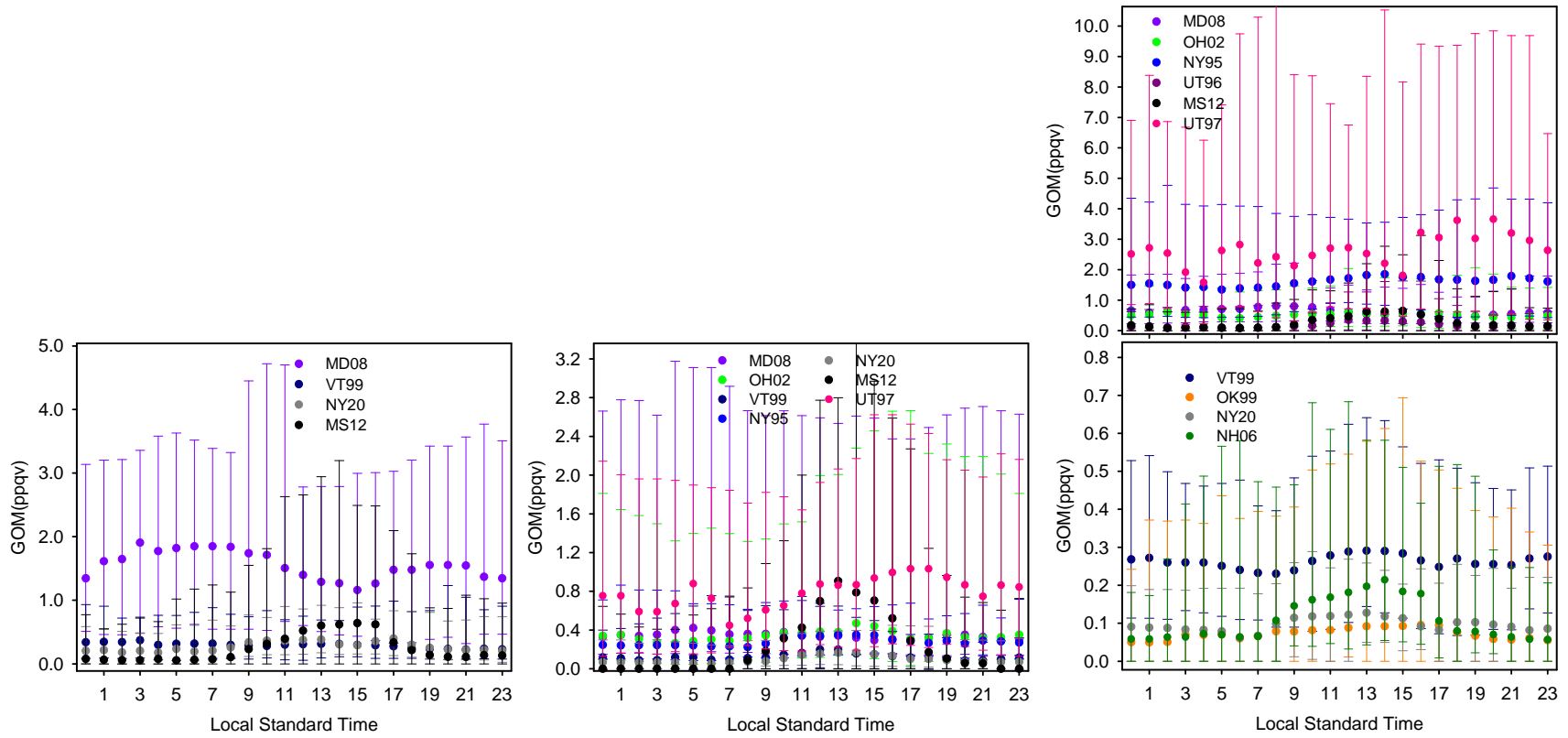
S Figure 5. GOM diurnal variation in 2008 spring (left panel) and 2010 spring (right panel), the upper error bars represent 90 percentile while the lower error bars represent 10 percentile values.



S Figure 6. GOM diurnal variation in 2008 summer (left panel) and 2010 summer (right panel), the upper error bars represent 90 percentile while the lower error bars represent 10 percentile values.



S Figure 7. GOM diurnal variation in 2008 fall (left panel), 2009 fall (middle panel) and 2010 fall (right panel), the upper error bars represent 90 percentile while the lower error bars represent 10 percentile values.



S Figure 8. GOM diurnal variation in 2008 winter (left panel), 2009 winter (middle panel) and 2010 winter (right panel), the upper error bars represent 90 percentile while the lower error bars represent 10 percentile values.