

## **Comparison of temperature change rates between radiosonde launches at 6 hour intervals from 3 data sets**

### **Data sets:**

Lindenberg 1999 to 2008	Visalia RS-90
Lindenberg 2009 to 2012	Visalia RS-92
Southern Great Plains Central Facility 2006 – 2012	Visalia RS-92

All times are local time.

The error bars represent the standard error of the mean.

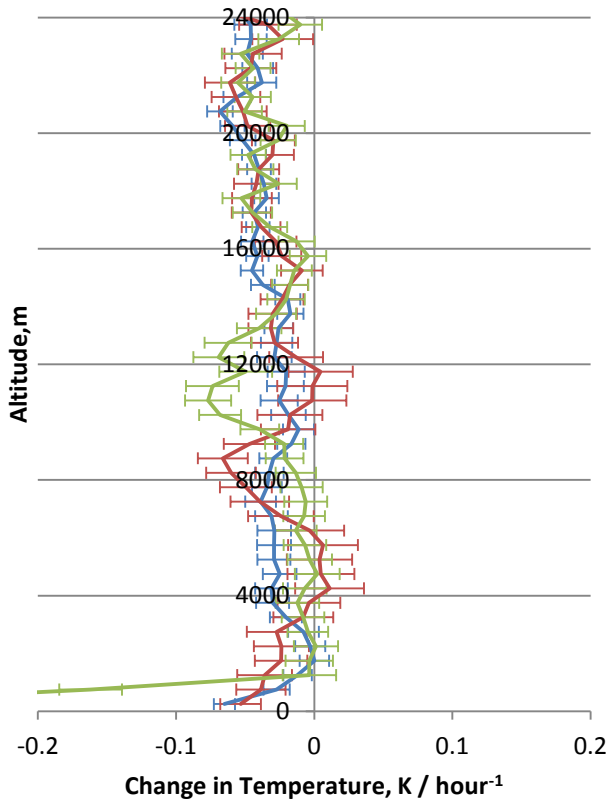
The number of launches per data point:

Lindenberg 1999 to 2008	889
Lindenberg 2009 to 2012	227
Southern Great Plains	572

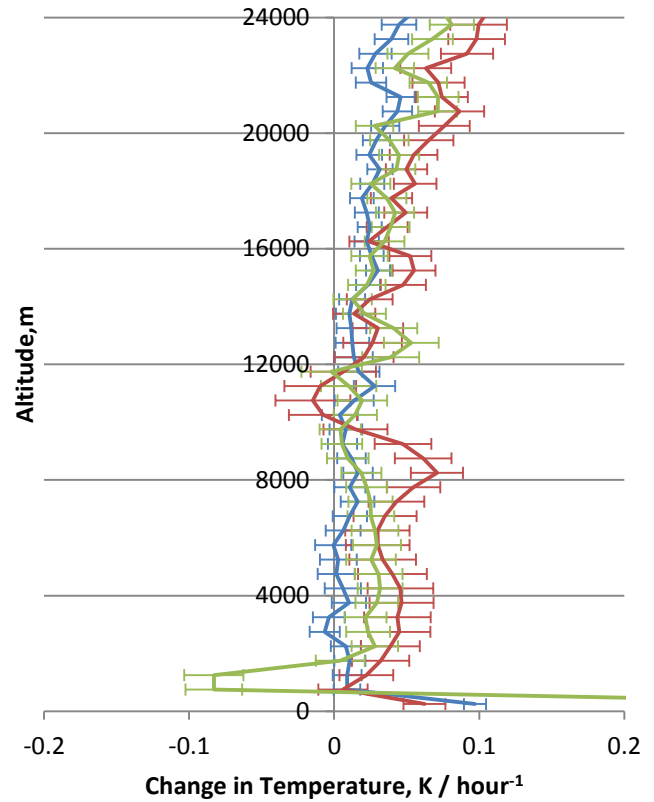
Key:

Blue line : Lindenberg 1999-2008; Red line : Lindenberg 2009-2012; Green line : Southern Great Plains.

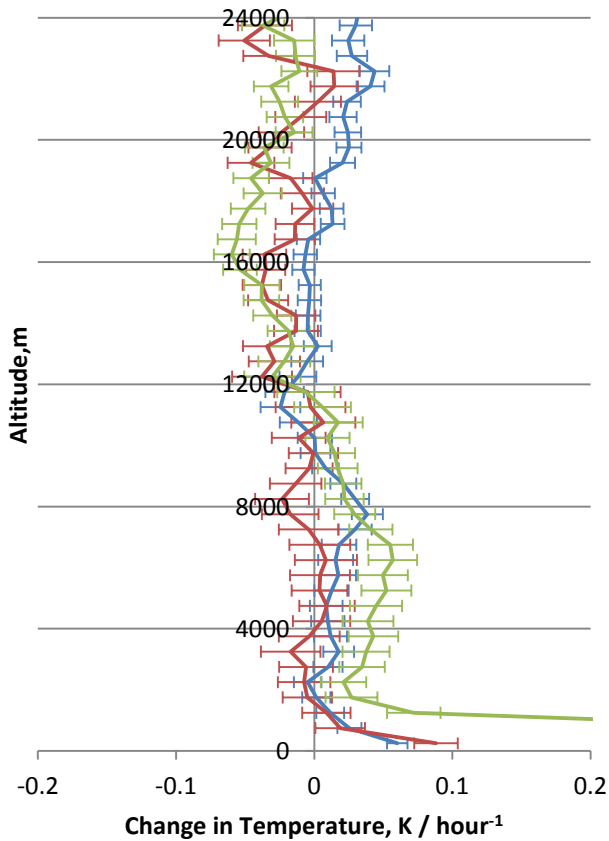
**Winter 00:00 to 06:00**



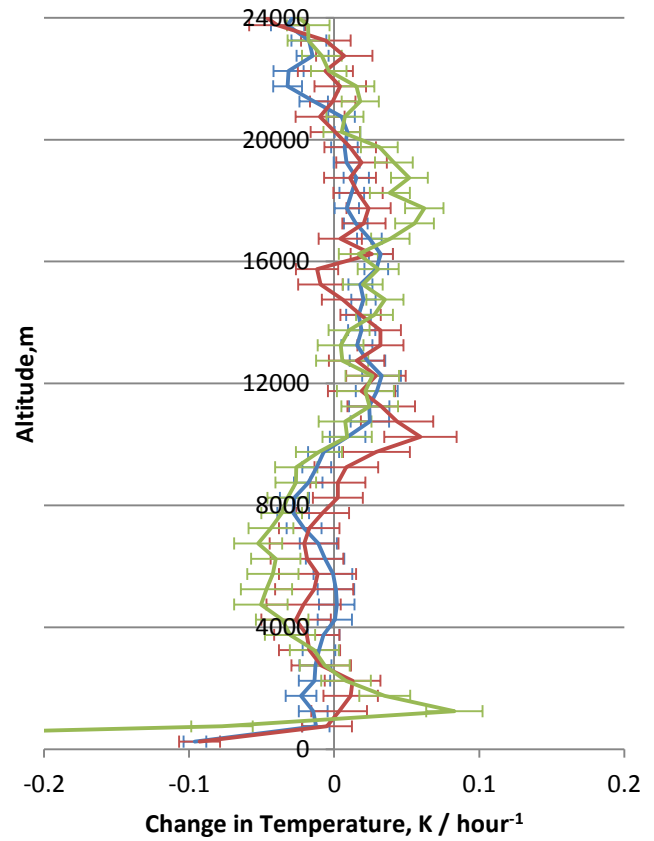
**Winter 06:00 to 12:00**



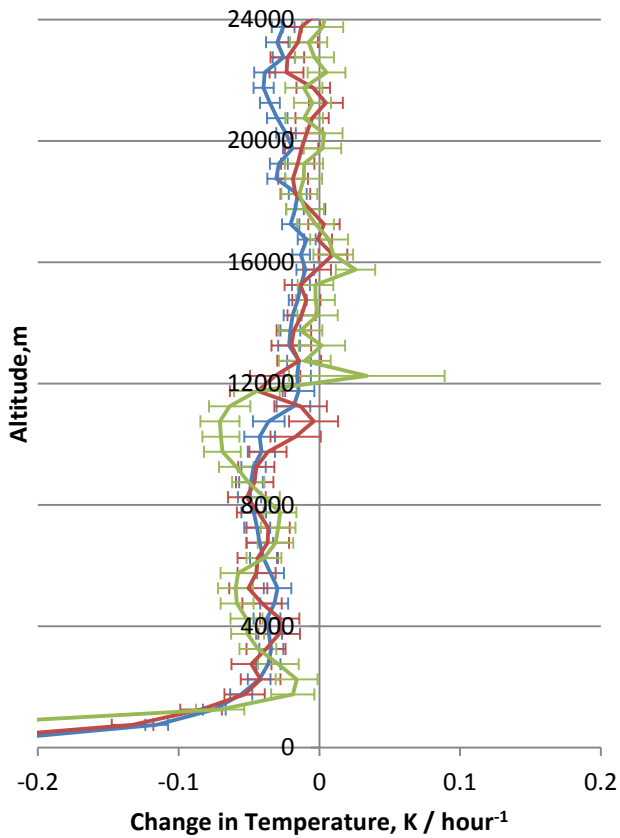
**Winter 12:00 to 18:00**



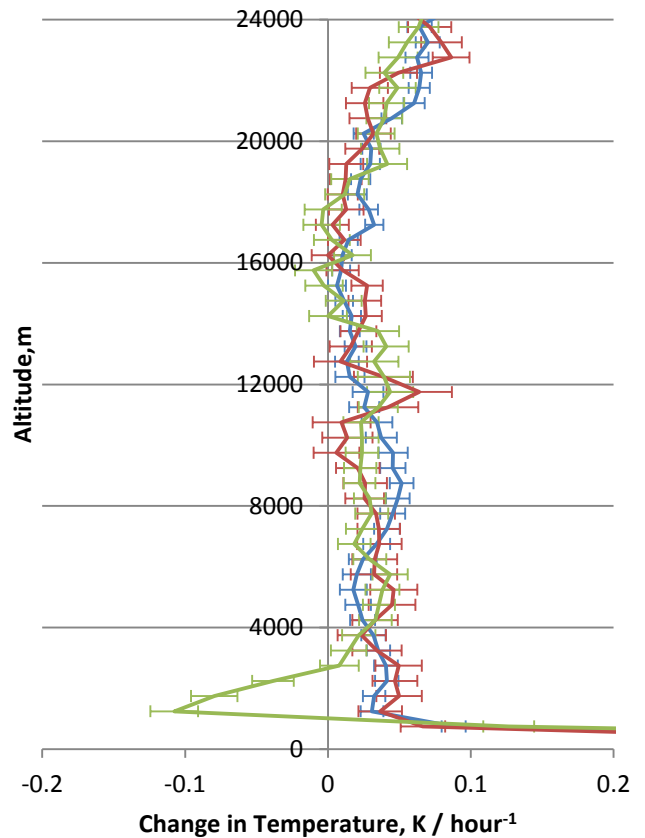
**Winter 18:00 to 00:00**



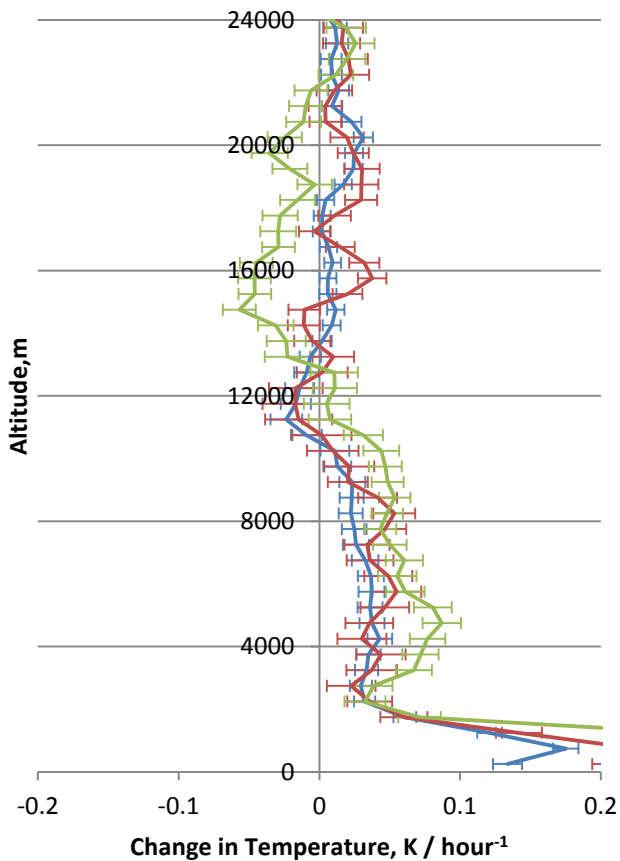
**Spring 00:00 to 06:00**



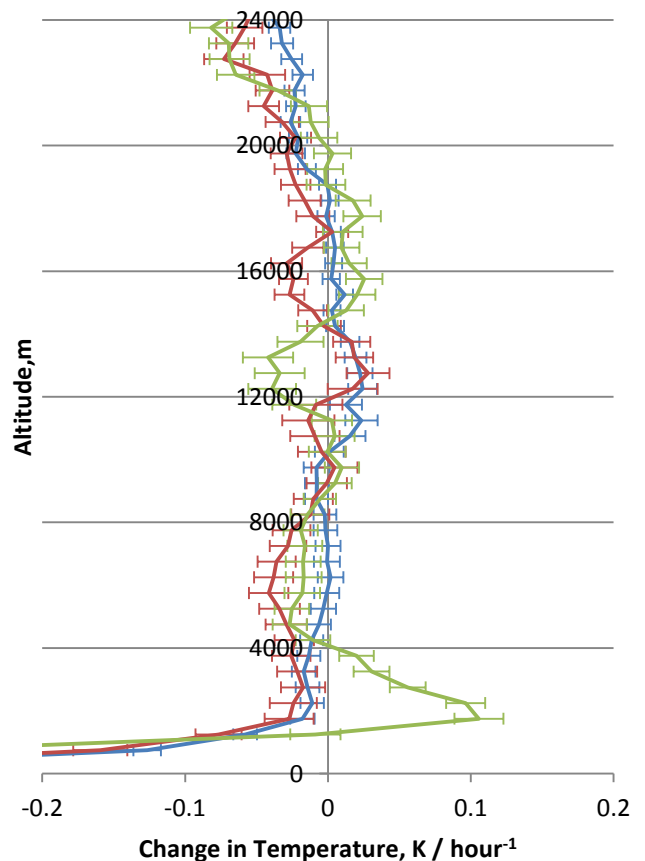
**Spring 06:00 to 12:00**



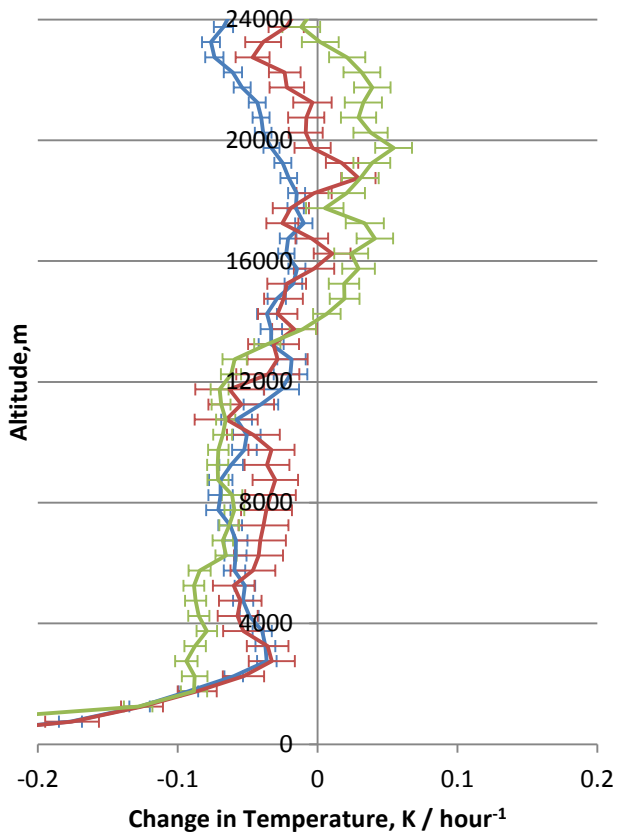
**Spring 12:00 to 18:00**



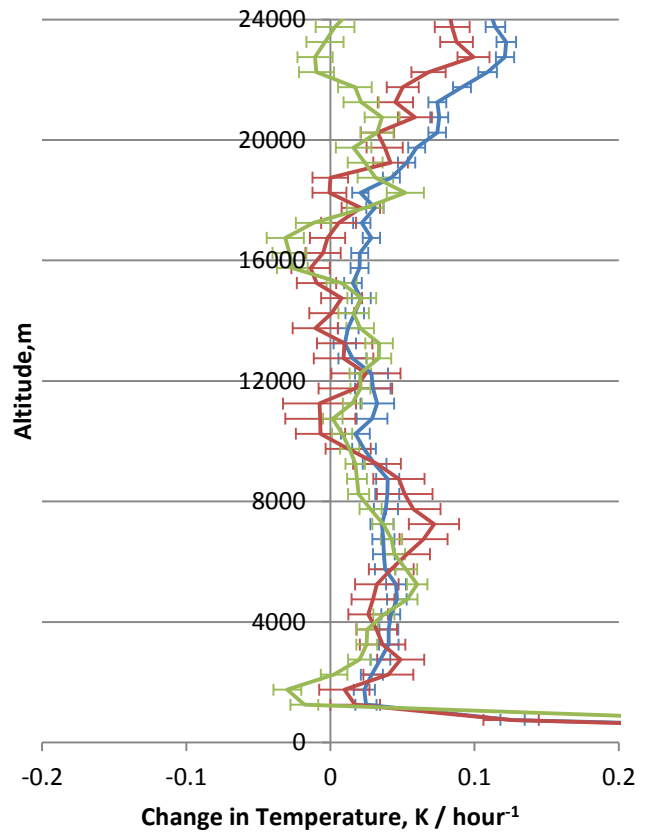
**Spring 18:00 to 00:00**



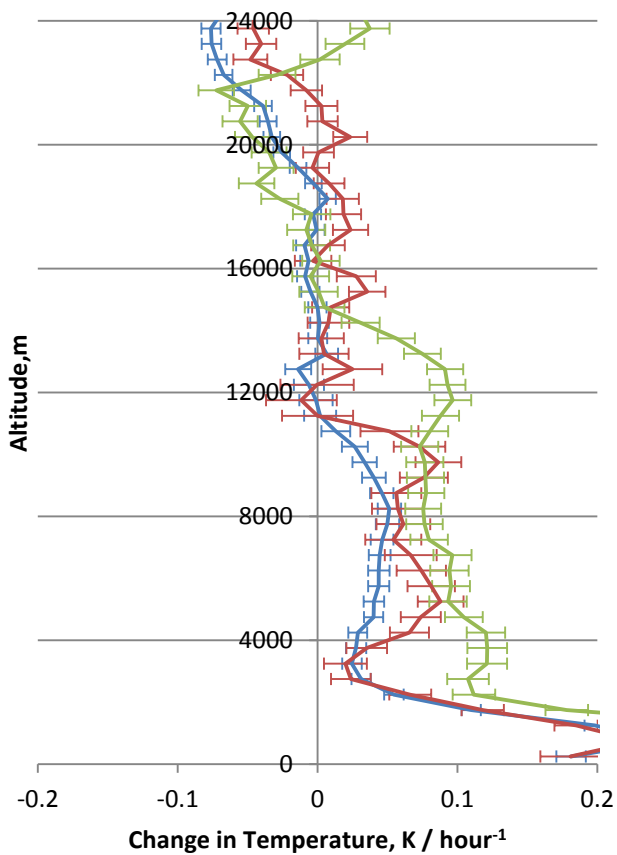
**Summer 00:00 to 06:00**



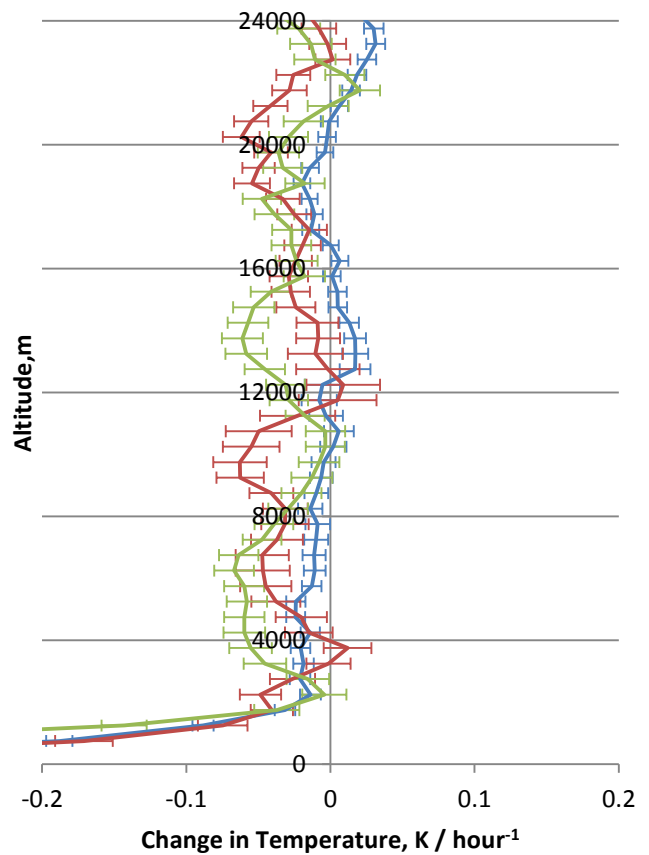
**Summer 06:00 to 12:00**



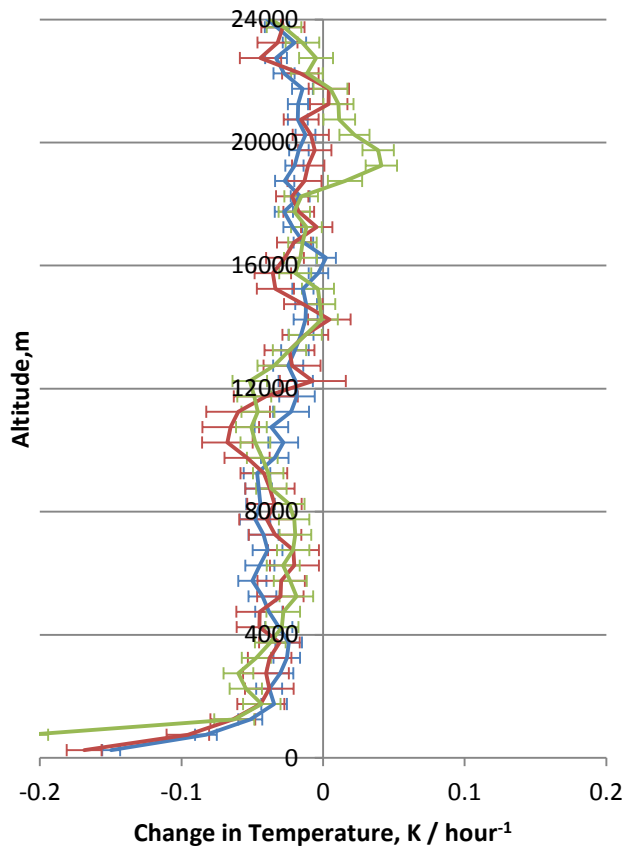
**Summer 12:00 to 18:00**



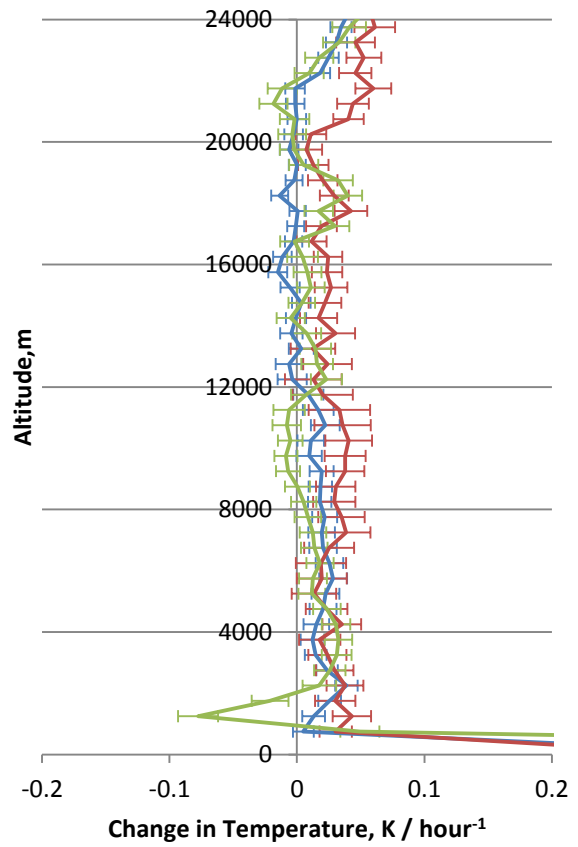
**Summer 18:00 to 00:00**



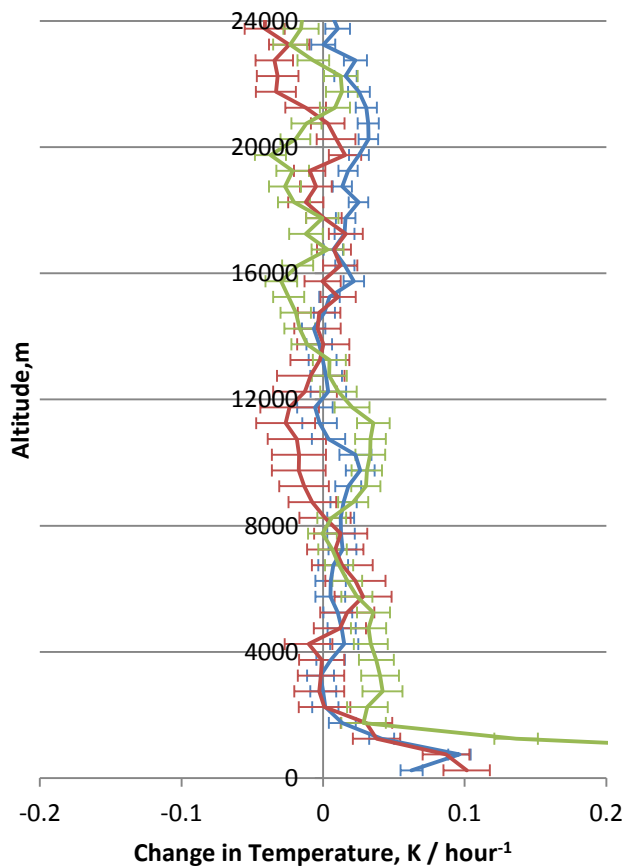
**Autumn 00:00 to 06:00**



**Autumn 06:00 to 12:00**



**Autumn 12:00 to 18:00**



**Autumn 18:00 to 00:00**

