

# Stadtgrün

Sebastian Schubert\*, Jan Volkholz†

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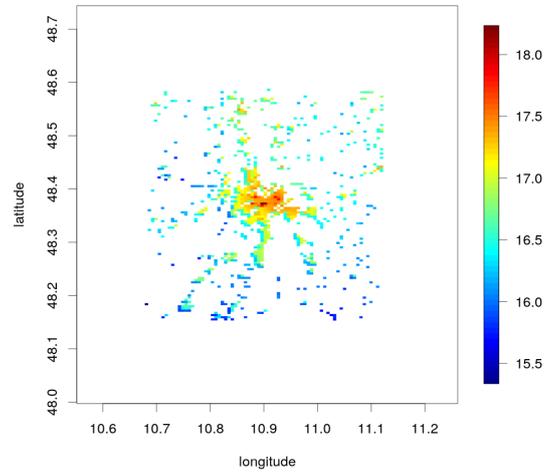
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## **1 Augsburg (1980)**

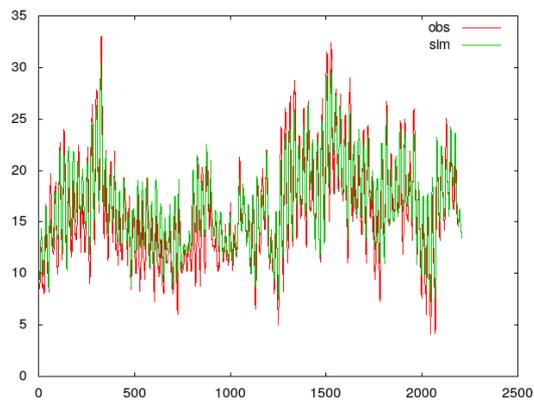
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**Ist-Zustand**

Simulation

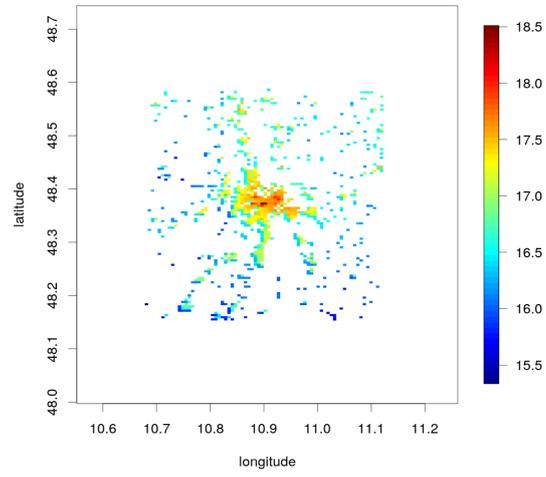


**Validierung (Messstation Augsburg)**

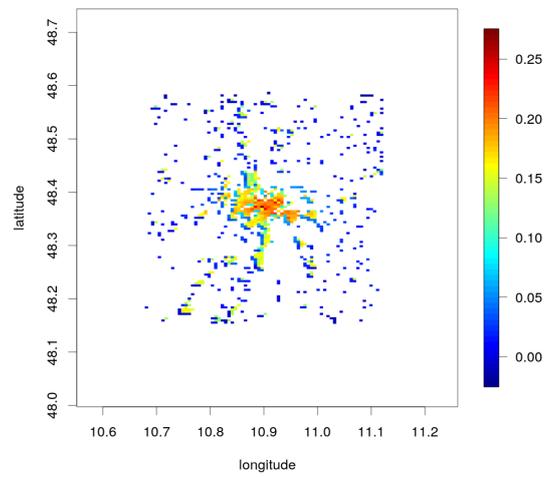


**weniger Vegetation**

Simulation

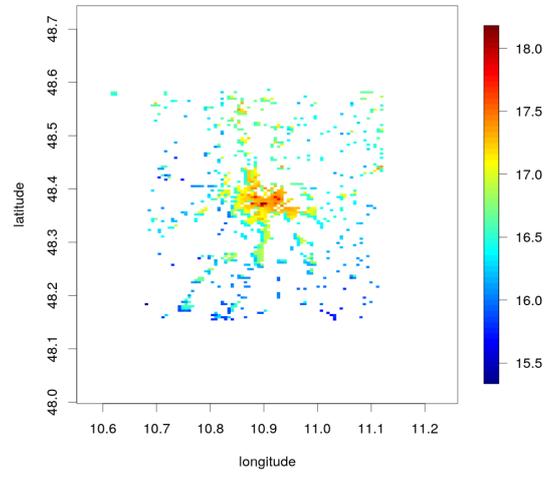


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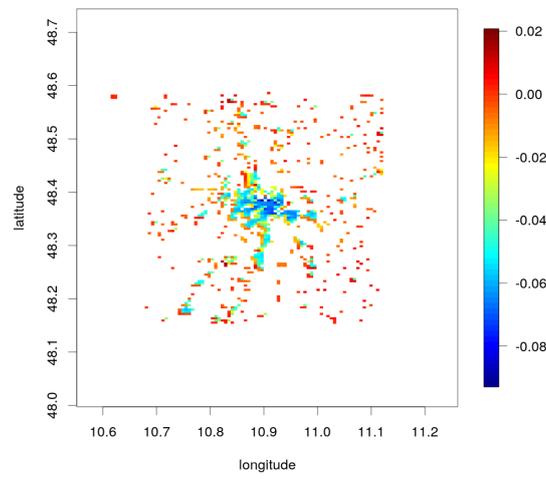


**mehr Vegetation**

Simulation



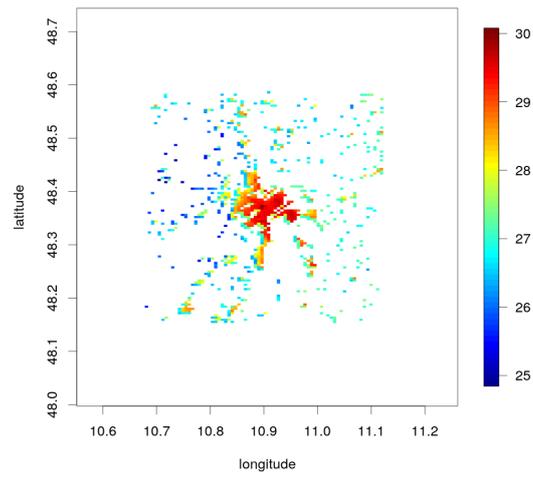
Änderung



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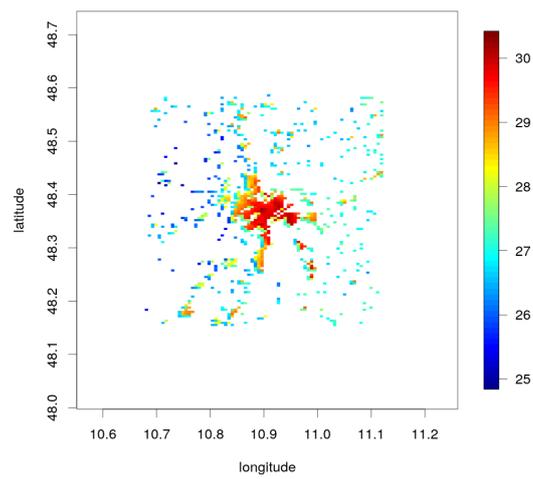
Ist-Zustand

Simulation

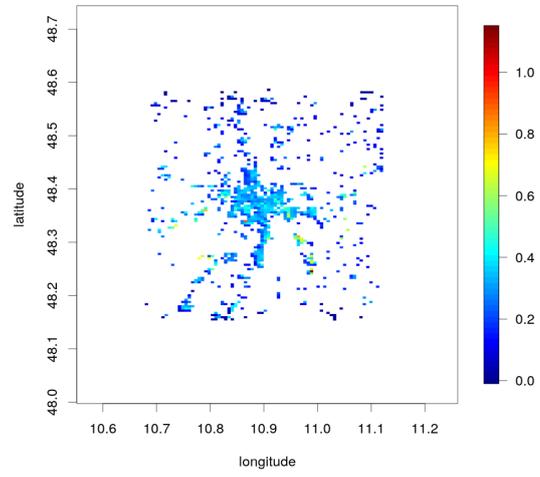


weniger Vegetation

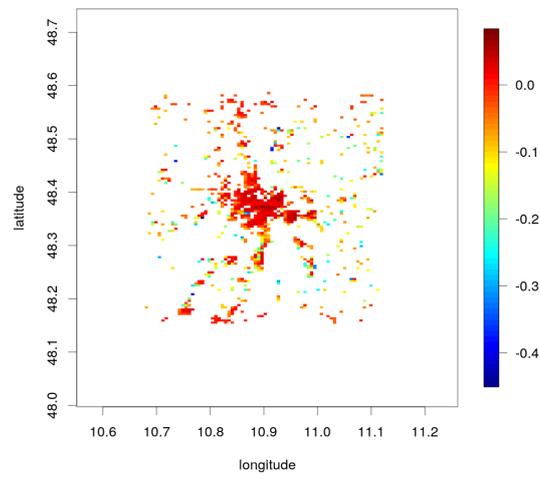
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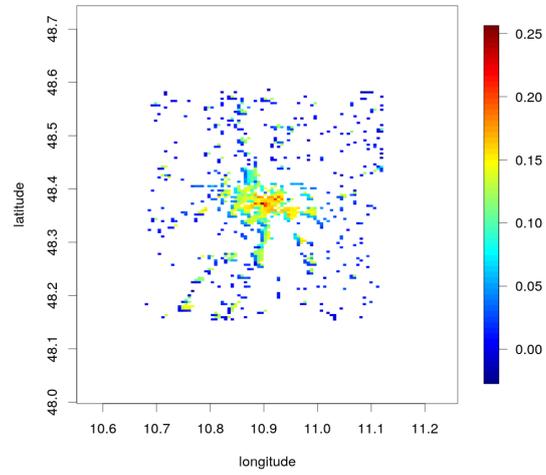
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Änderung (cdo timmin)

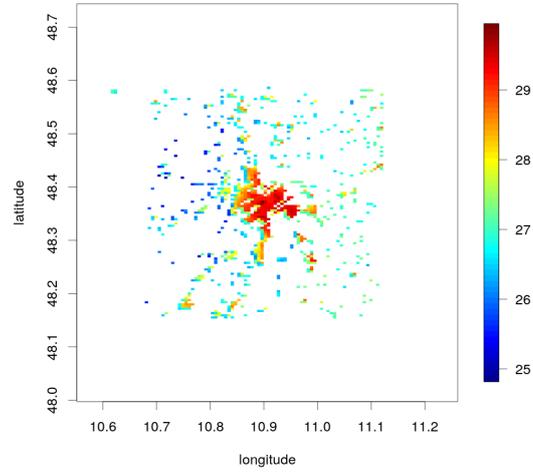


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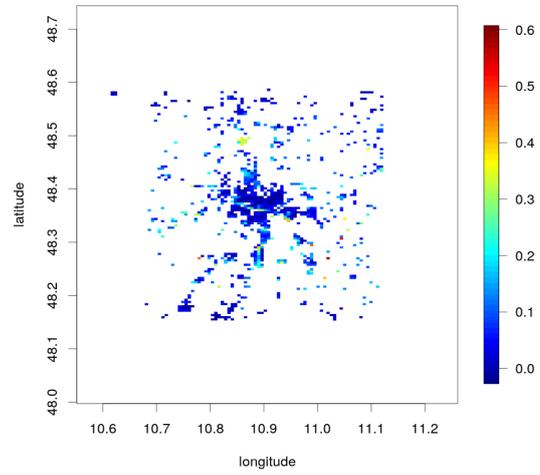


**mehr Vegetation**

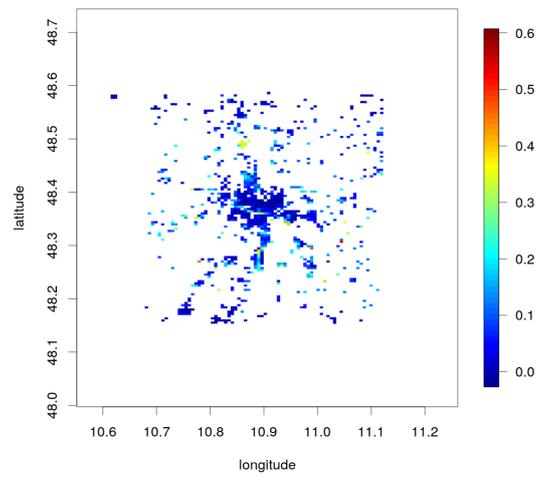
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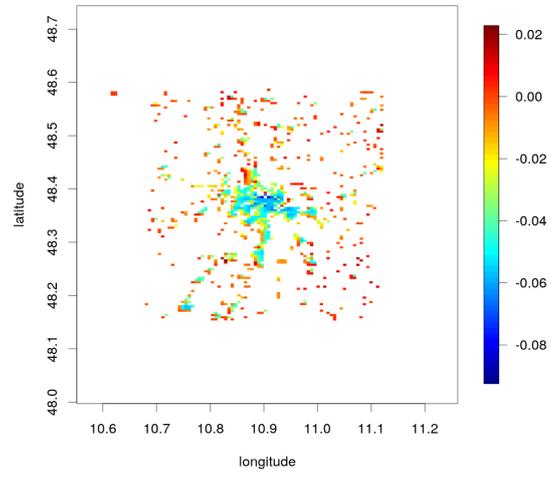
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Änderung (cdo timmin)



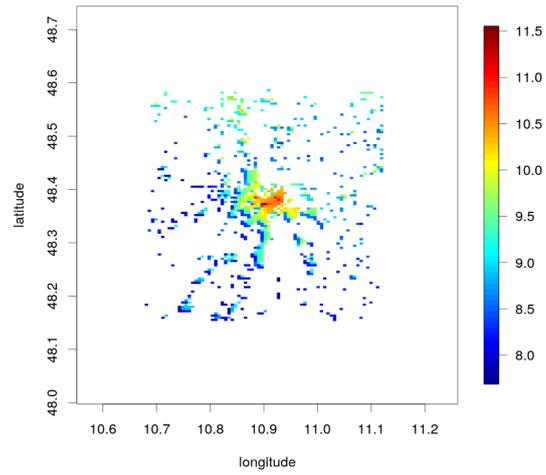
Änderung (cdo timavg)



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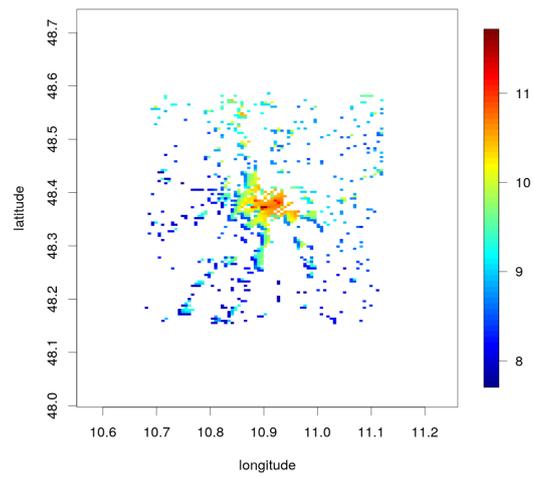
Ist-Zustand

Simulation

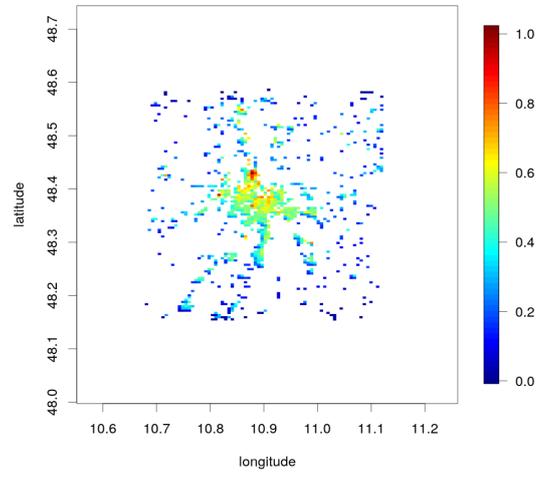


weniger Vegetation

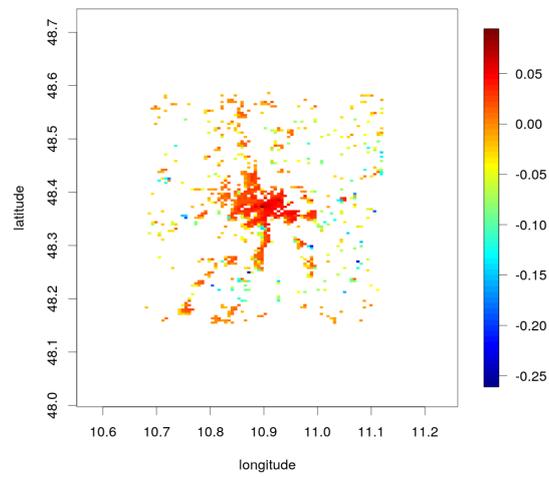
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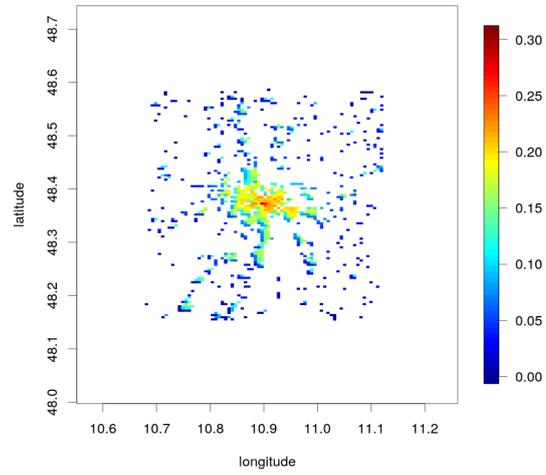
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Änderung (cdo timmin)

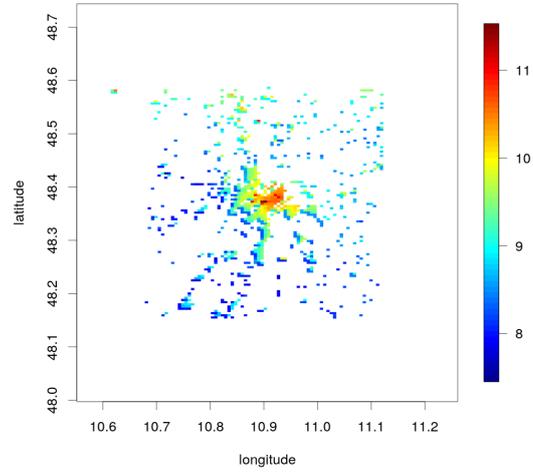


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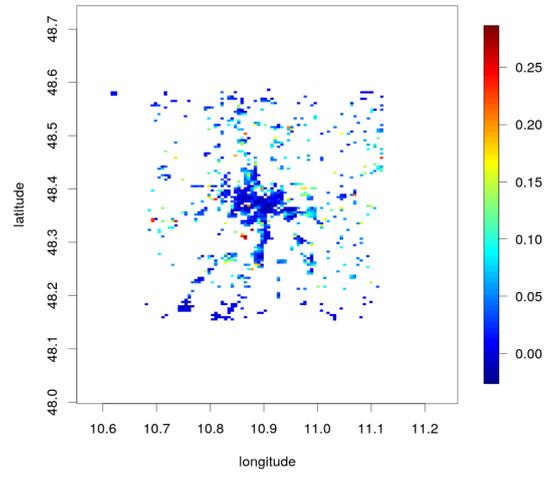


**mehr Vegetation**

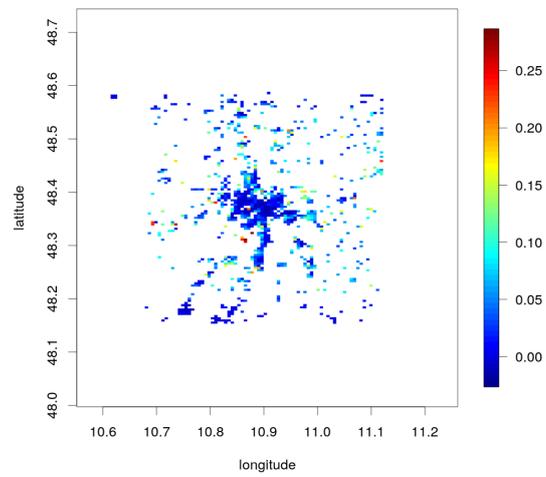
Simulation



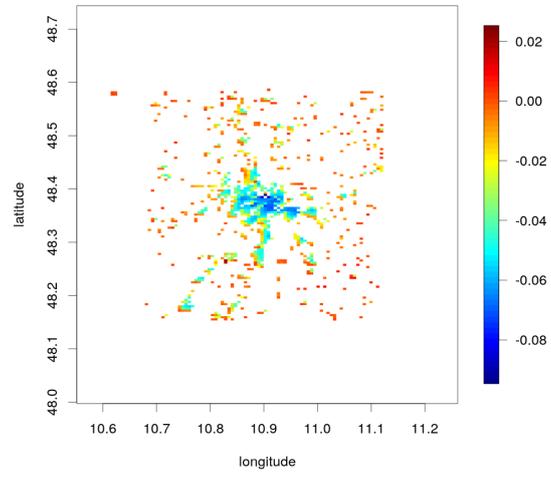
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Änderung (cdo timmin)



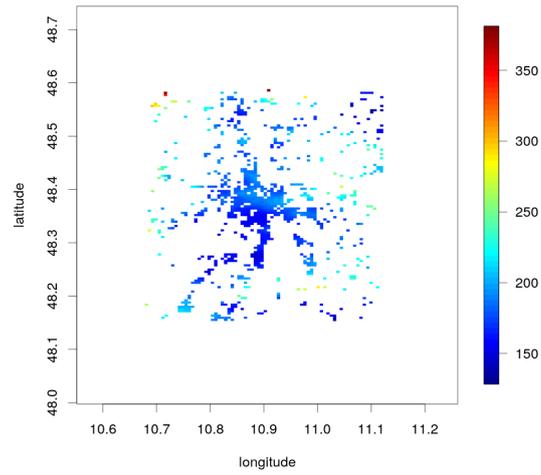
Änderung (cdo timavg)



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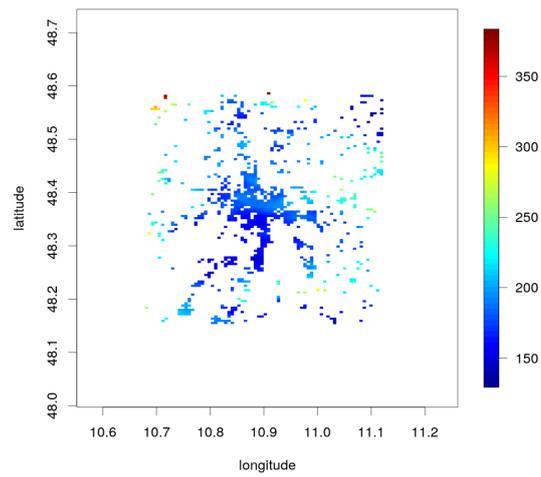
Ist-Zustand

Simulation

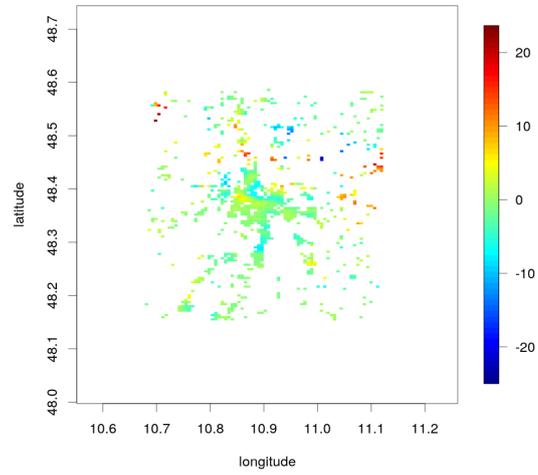


weniger Vegetation

Simulation

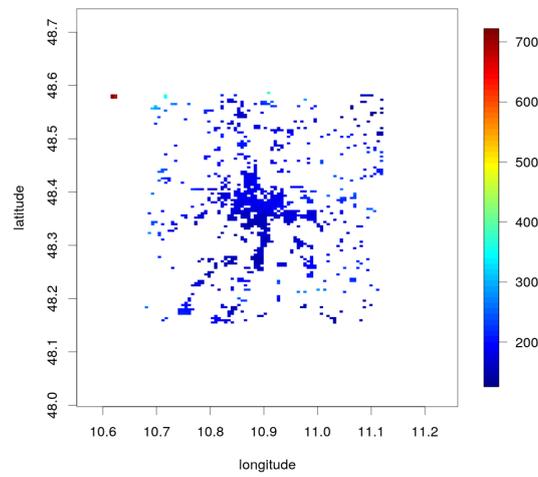


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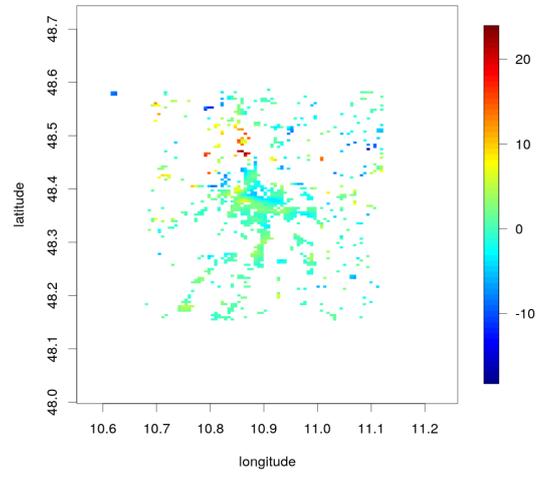


**mehr Vegetation**

Simulation



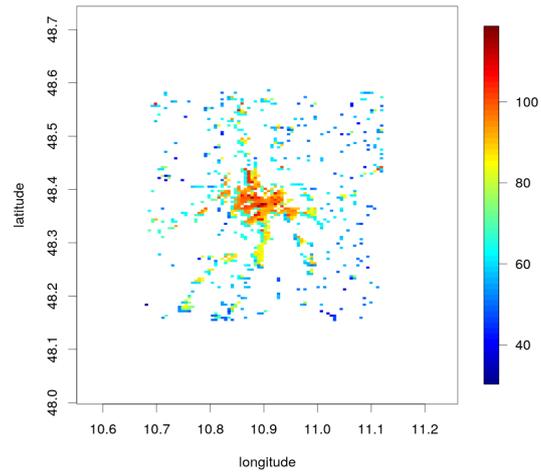
Änderung



## 1.5 Stunden über 25 °C

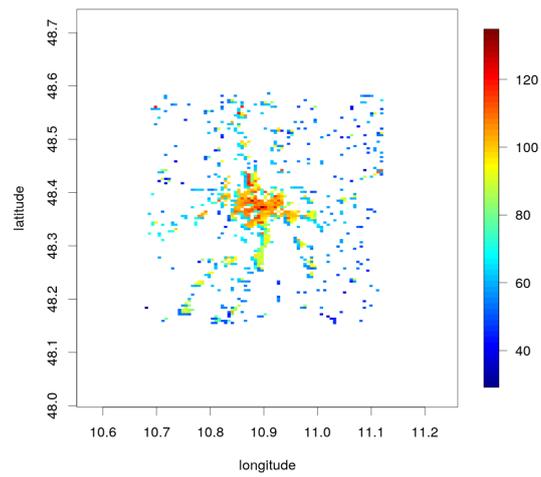
Ist-Zustand

Simulation

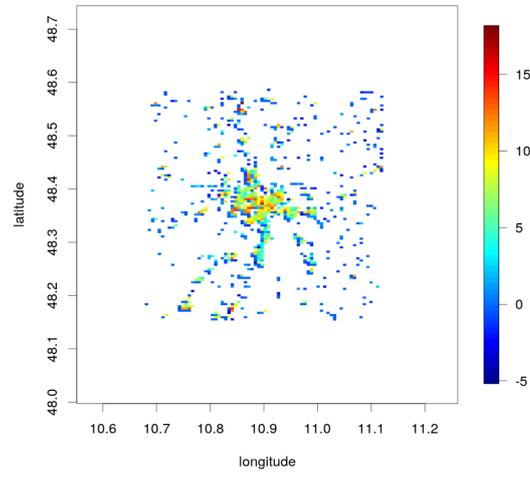


weniger Vegetation

Simulation

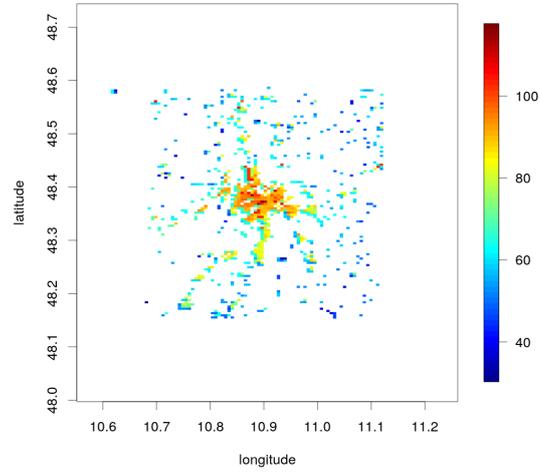


Änderung

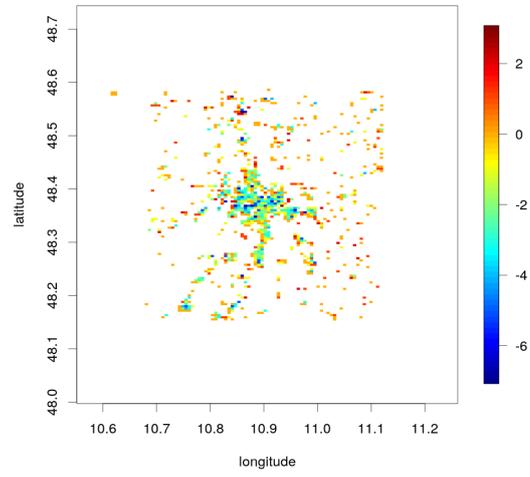


**mehr Vegetation**

Simulation



Änderung

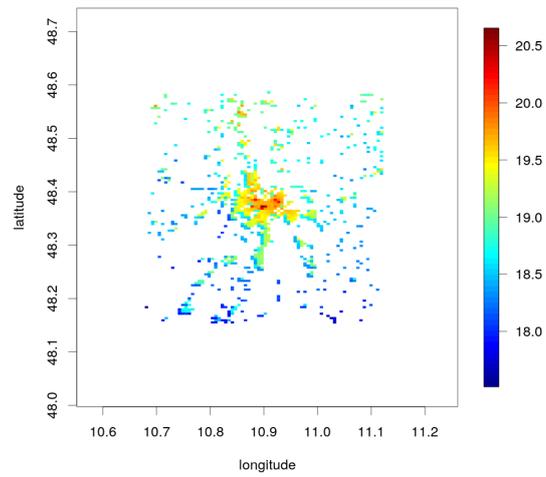


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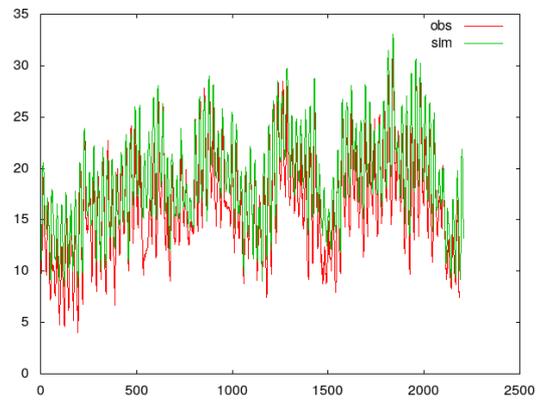
### 2.1 2 m Durchschnittstemperatur

Ist-Zustand

Simulation

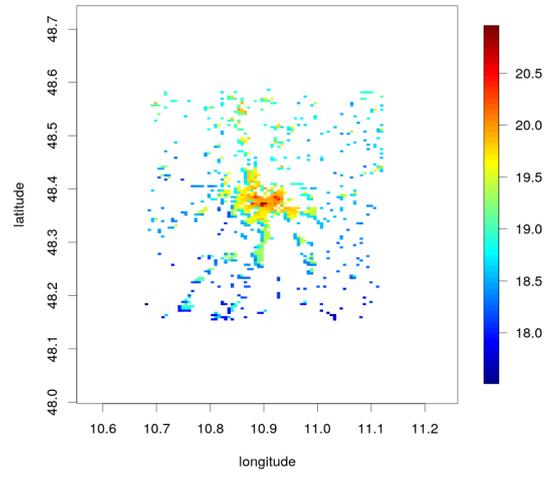


### Validierung (Messstation Augsburg)

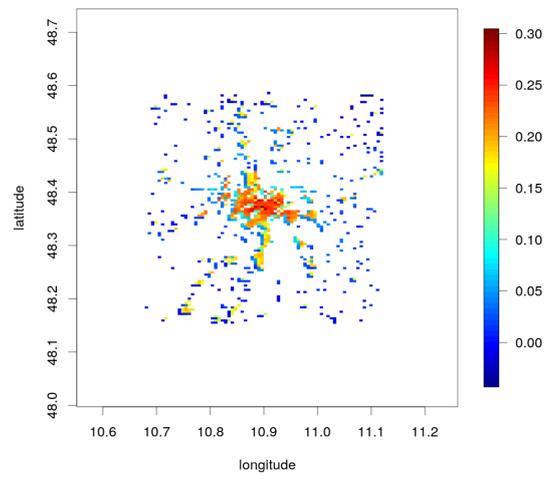


weniger Vegetation

Simulation

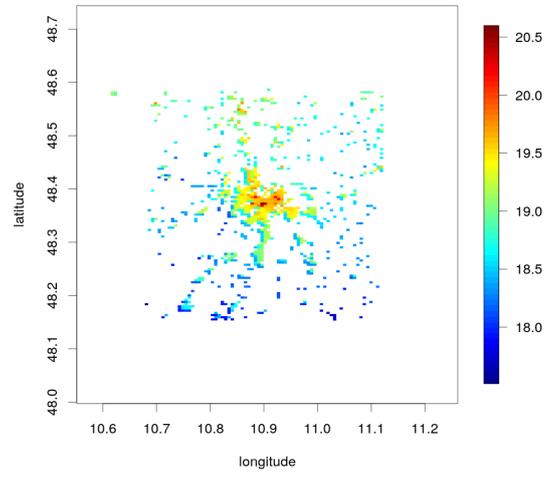


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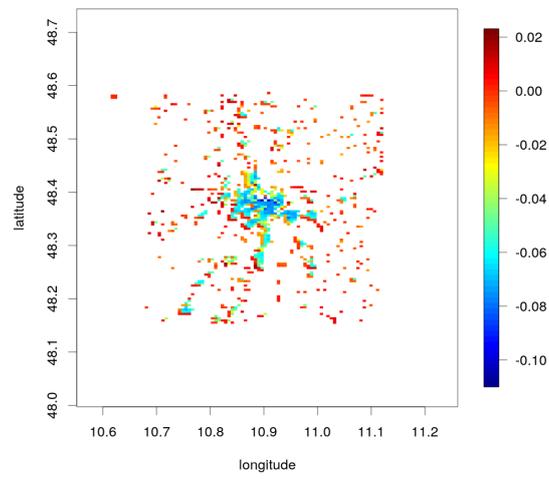


**mehr Vegetation**

Simulation



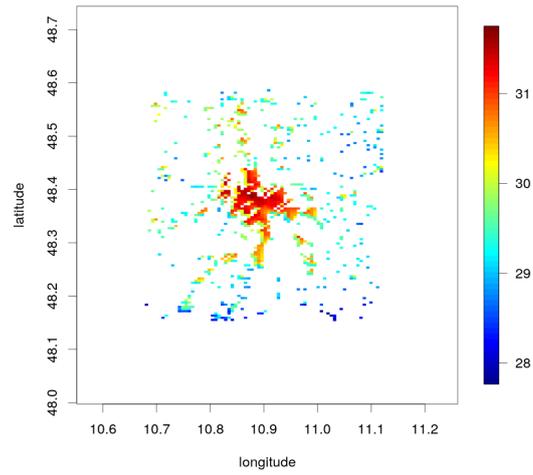
Änderung



## 2.2 2 m Maximumstemperatur

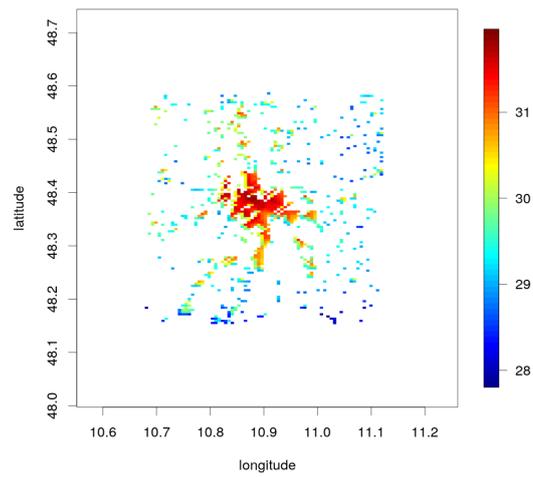
Ist-Zustand

Simulation

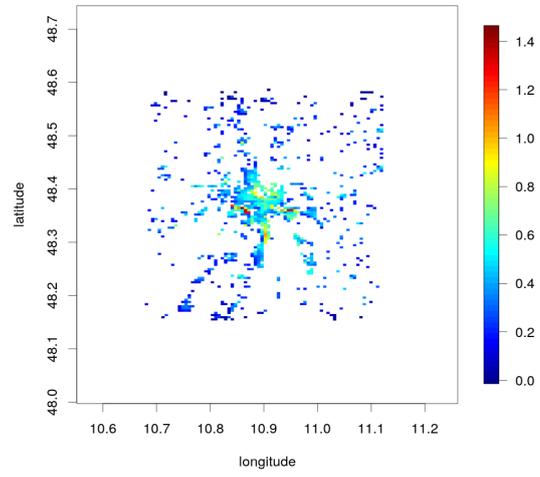


weniger Vegetation

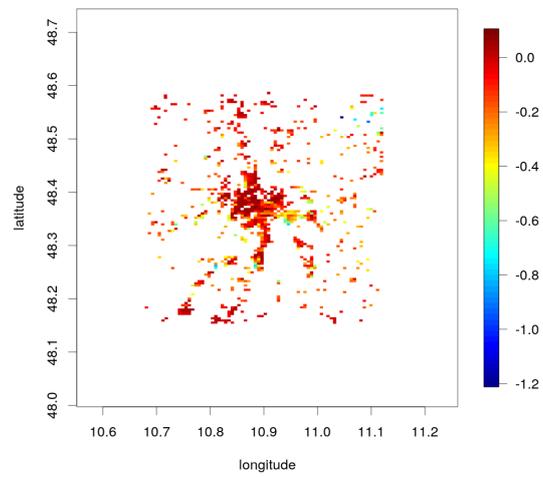
Simulation



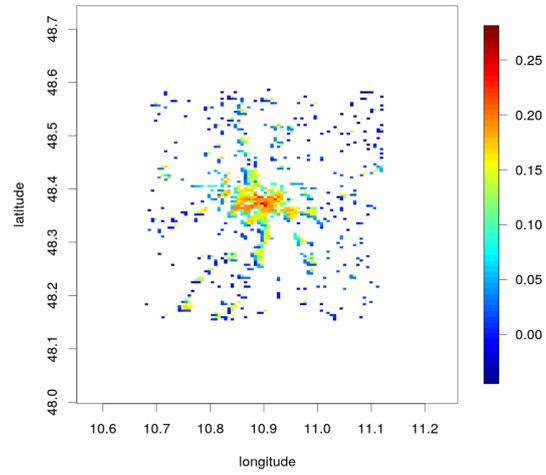
Änderung (cdo timmax)



Änderung (cdo timmin)

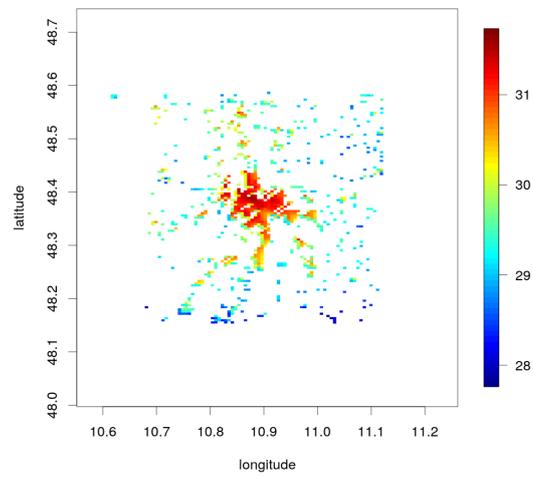


Änderung (cdo timavg)

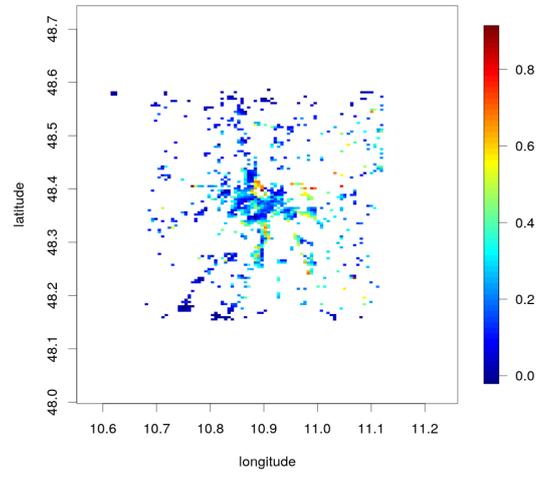


**mehr Vegetation**

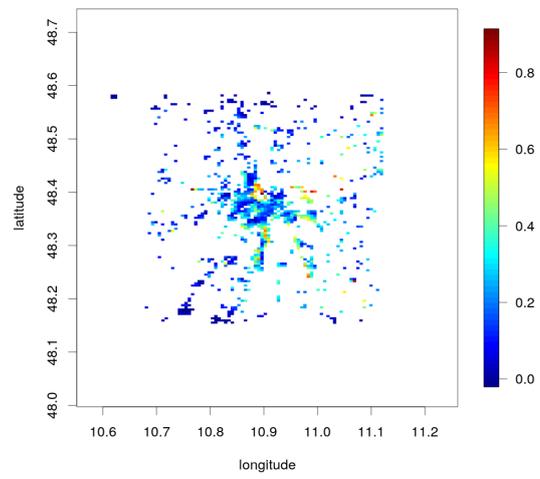
Simulation



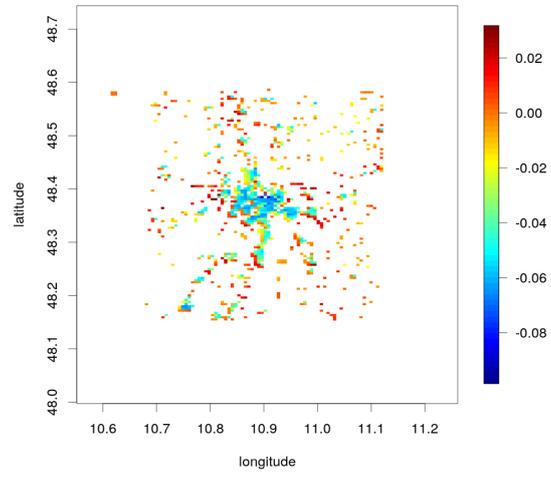
Änderung (cdo timmax)



Änderung (cdo timmin)



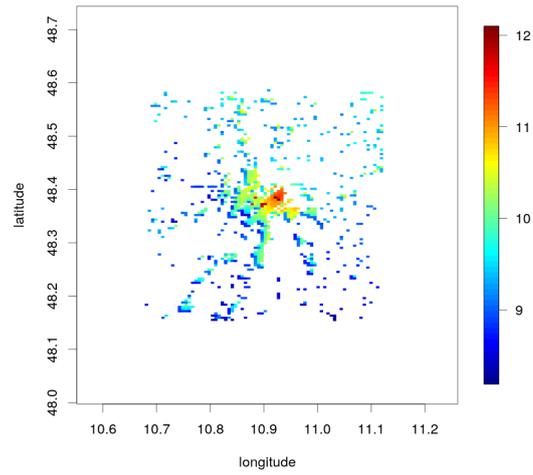
Änderung (cdo timavg)



## 2.3 2 m Minimumstemperatur

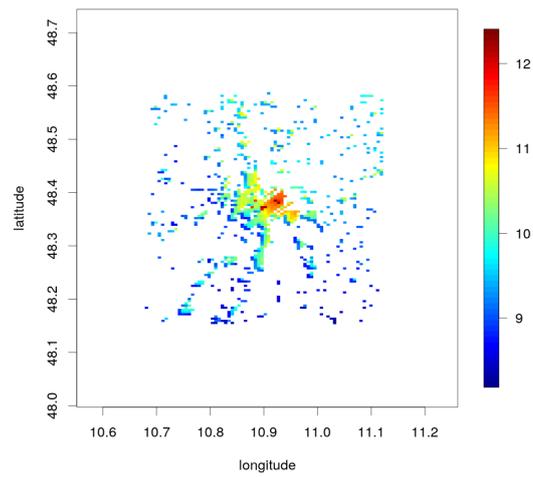
Ist-Zustand

Simulation

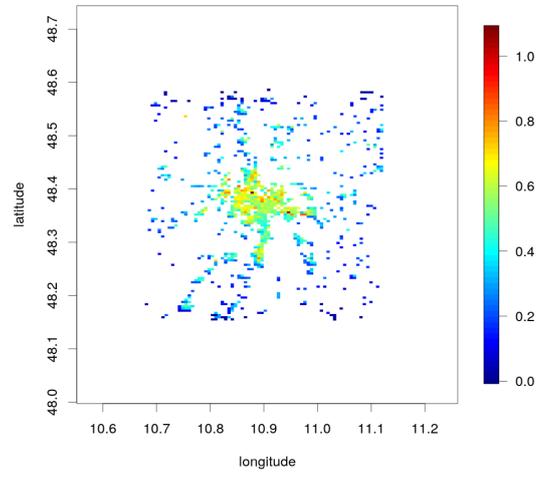


weniger Vegetation

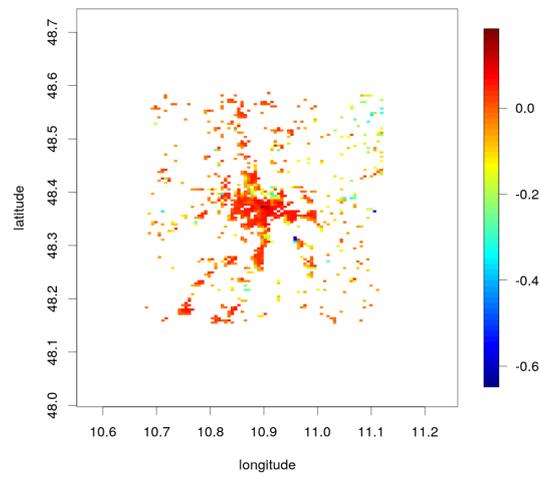
Simulation



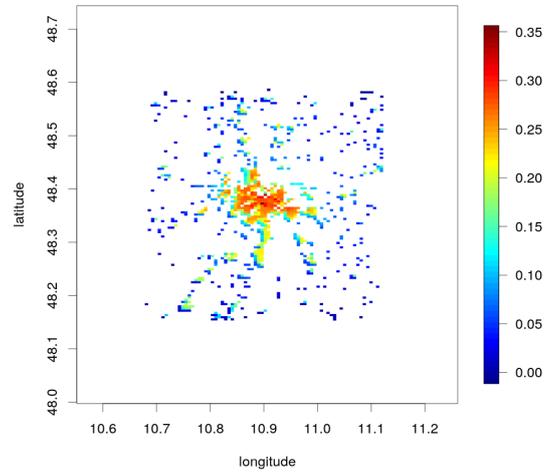
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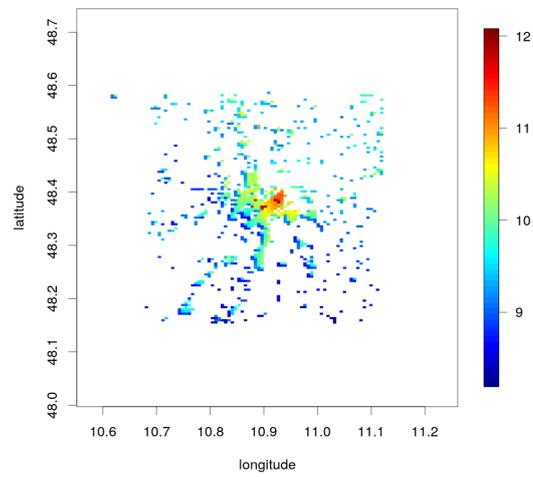


Änderung (cdo timavg)

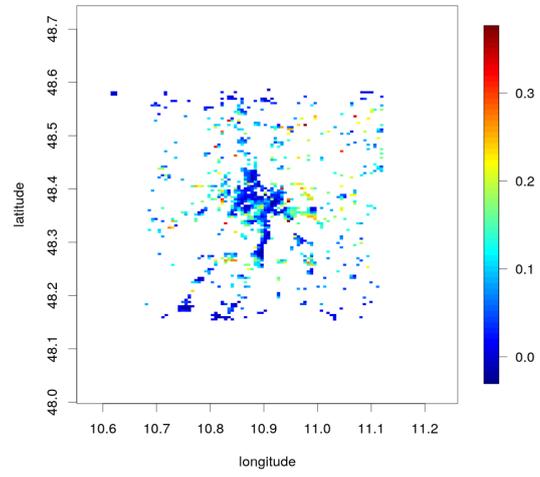


**mehr Vegetation**

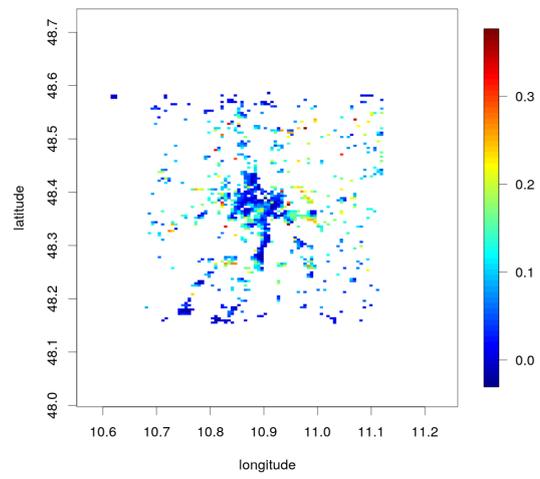
Simulation



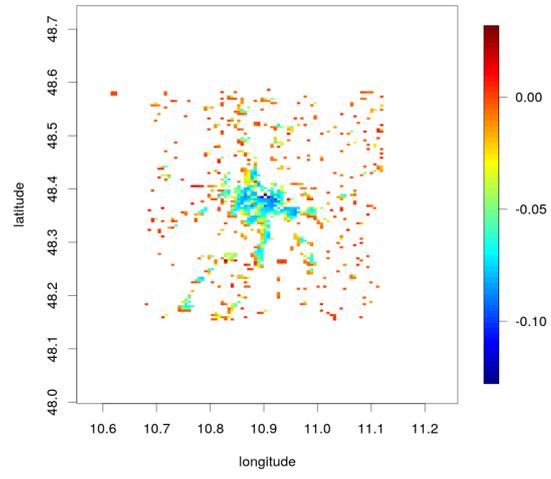
Änderung (cdo timmax)



Änderung (cdo timmin)



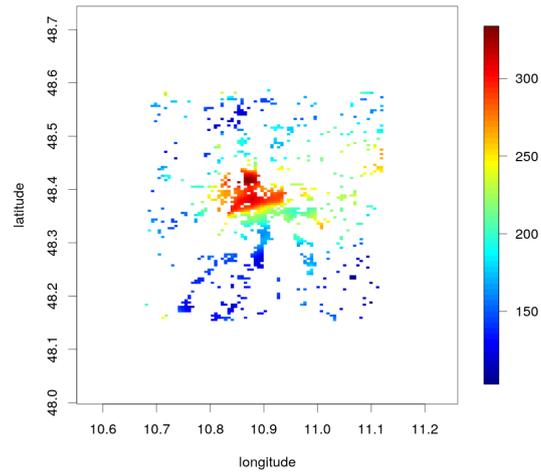
Änderung (cdo timavg)



## 2.4 Niederschlag

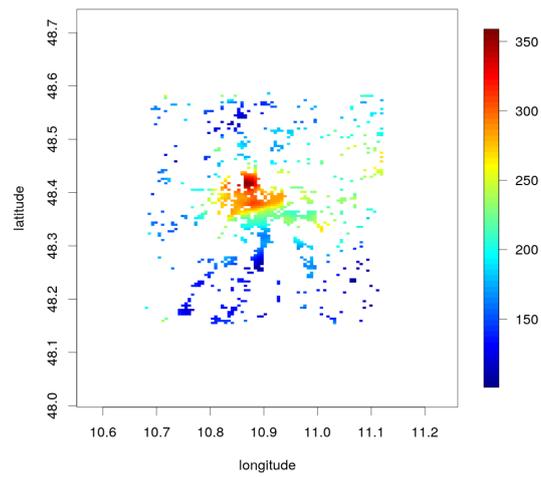
Ist-Zustand

Simulation

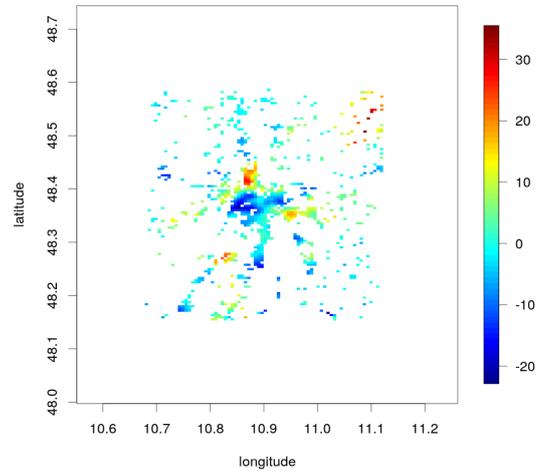


weniger Vegetation

Simulation

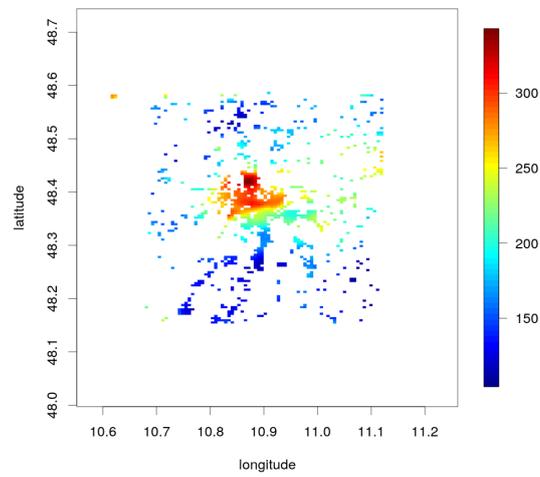


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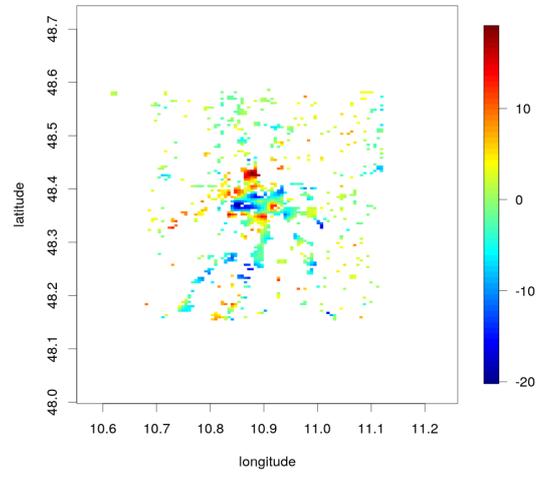


**mehr Vegetation**

Simulation



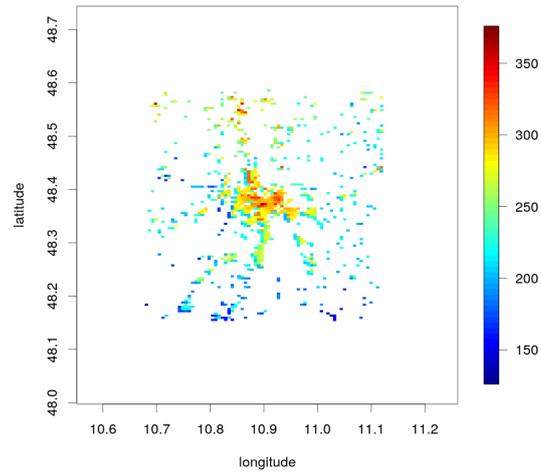
Änderung



## 2.5 Stunden über 25 °C

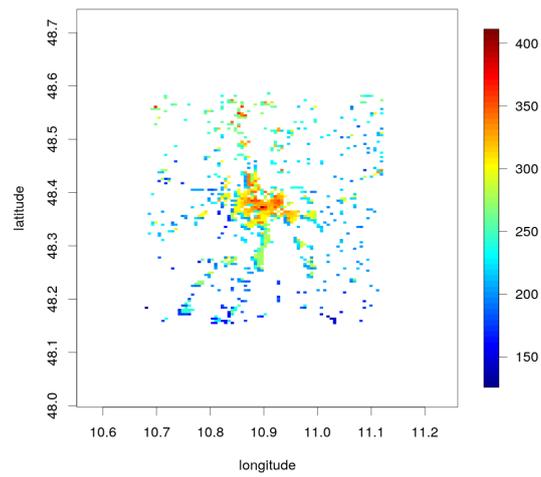
Ist-Zustand

Simulation

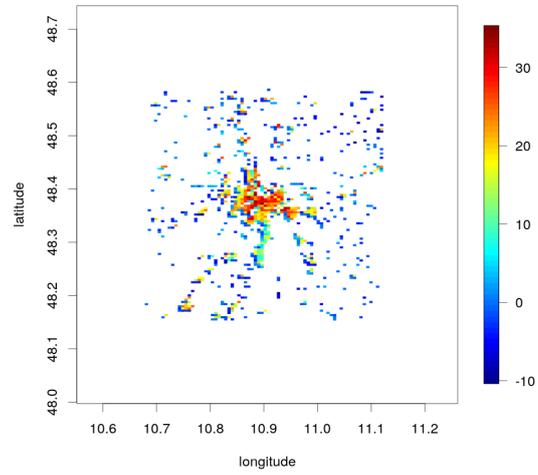


weniger Vegetation

Simulation

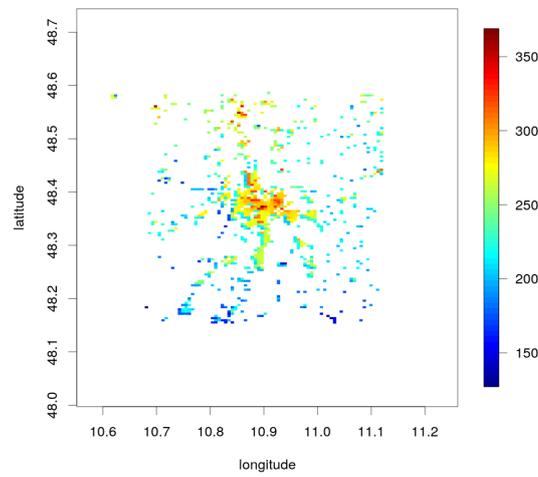


Änderung

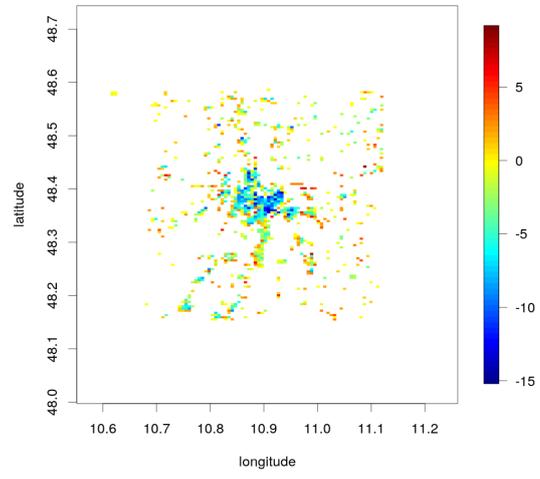


**mehr Vegetation**

Simulation



Änderung

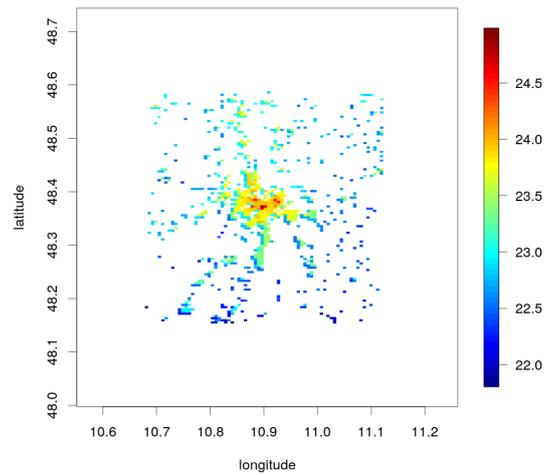


### 3 Augsburg (2003)

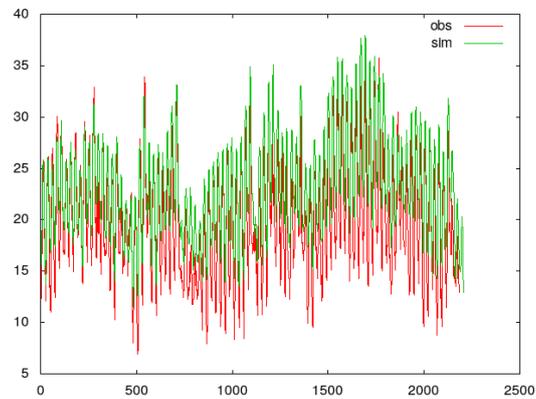
#### 3.1 2 m Durchschnittstemperatur

Ist-Zustand

Simulation

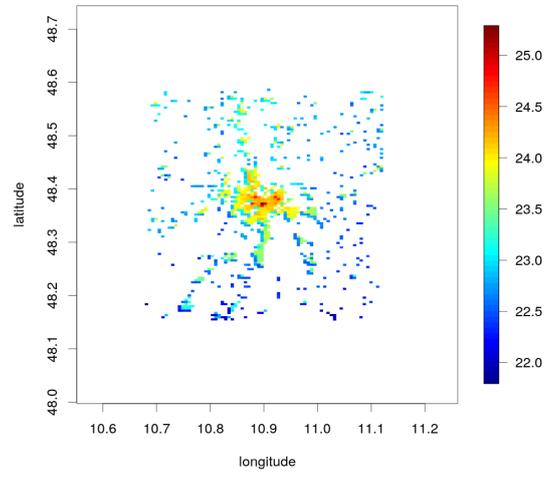


#### Validierung (Messstation Augsburg)

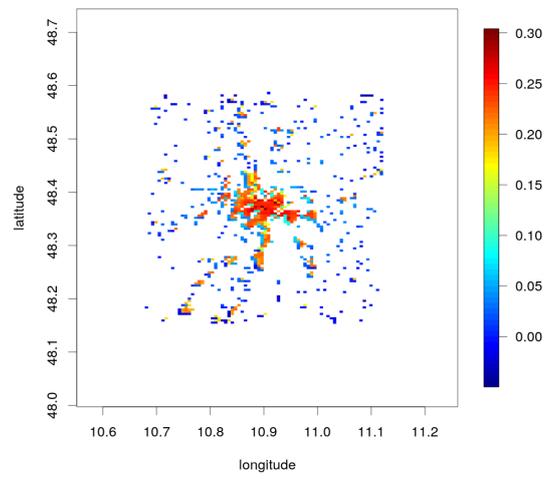


weniger Vegetation

Simulation

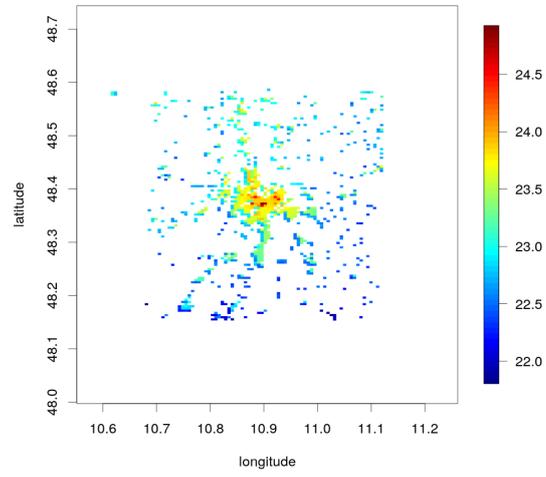


Änderung

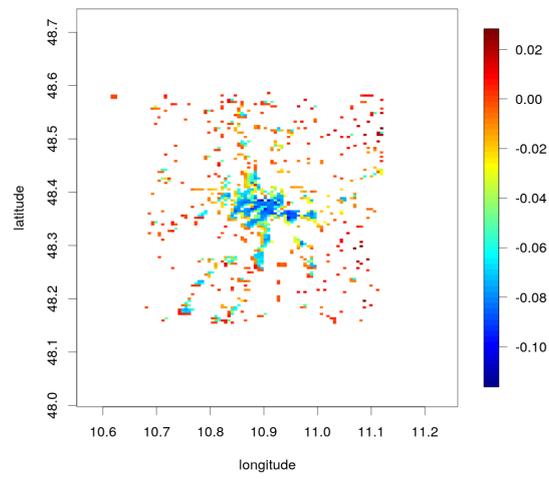


**mehr Vegetation**

Simulation



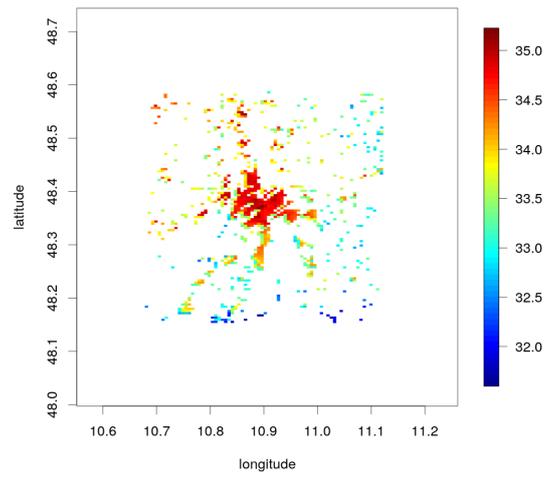
Änderung



### 3.2 2 m Maximumstemperatur

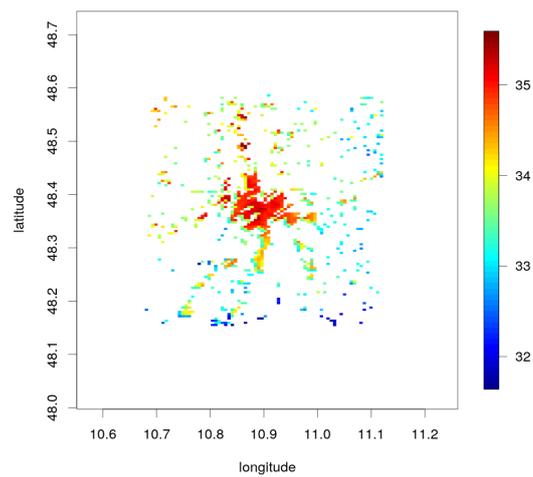
Ist-Zustand

Simulation

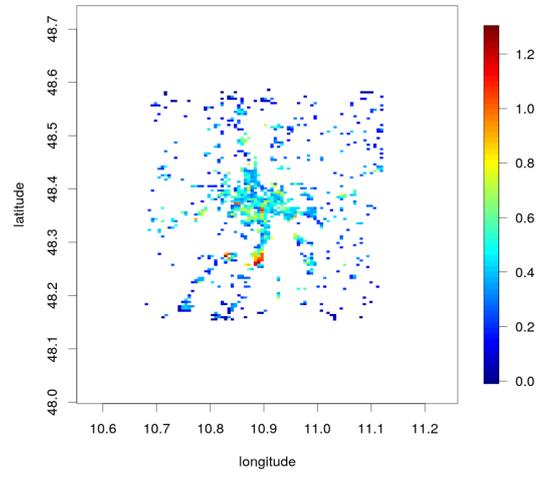


weniger Vegetation

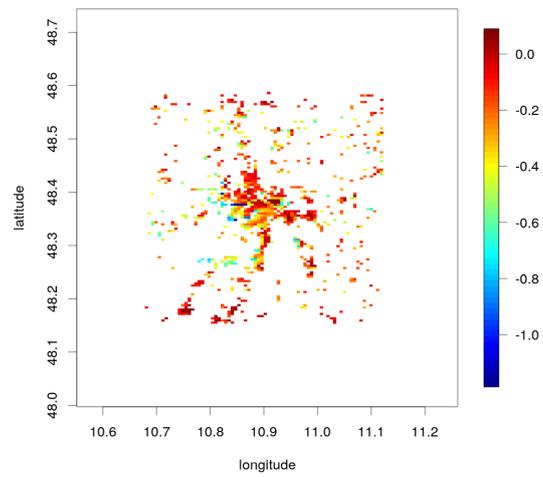
Simulation



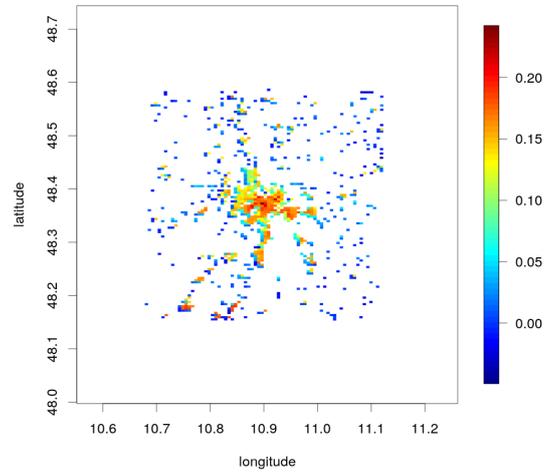
Änderung (cdo timmax)



Änderung (cdo timmin)

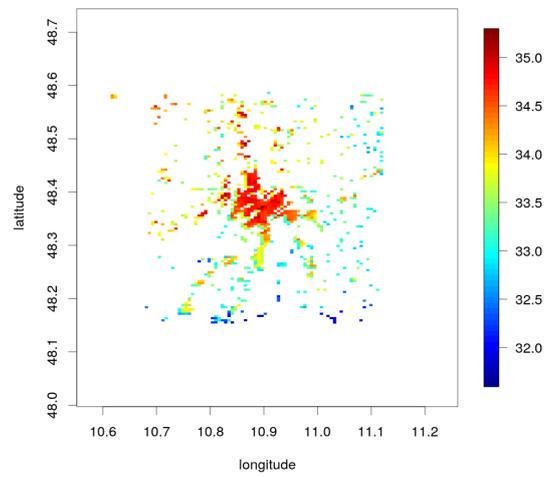


Änderung (cdo timavg)

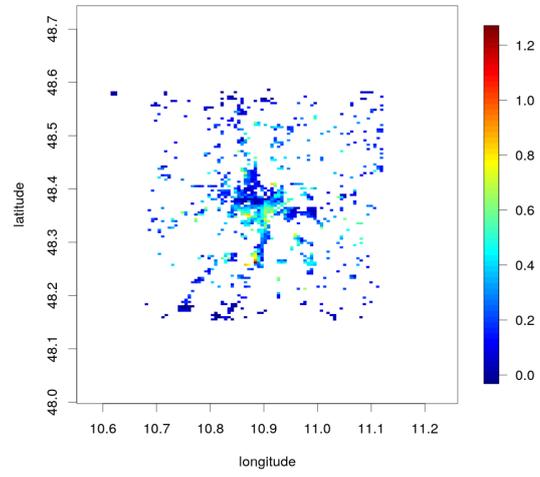


**mehr Vegetation**

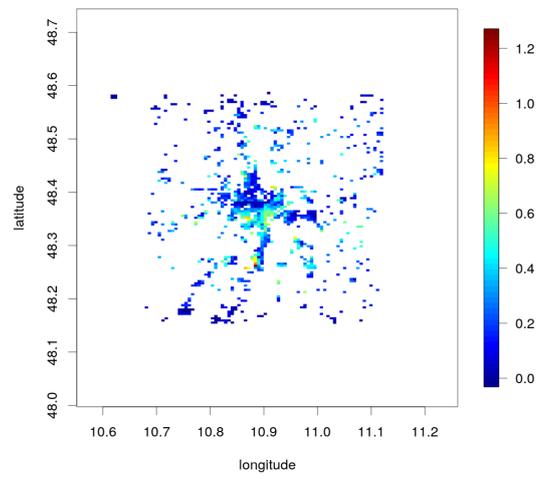
Simulation



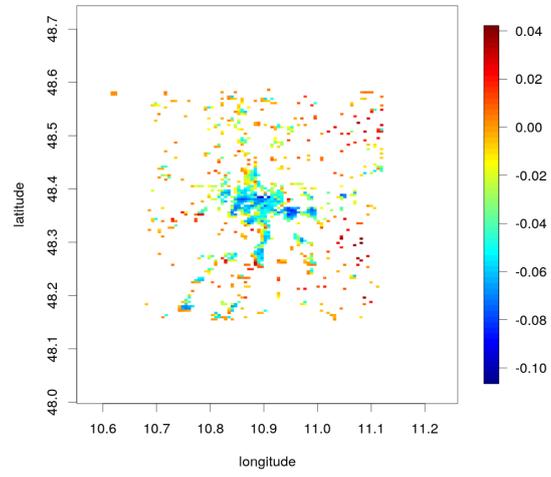
Änderung (cdo timmax)



Änderung (cdo timmin)



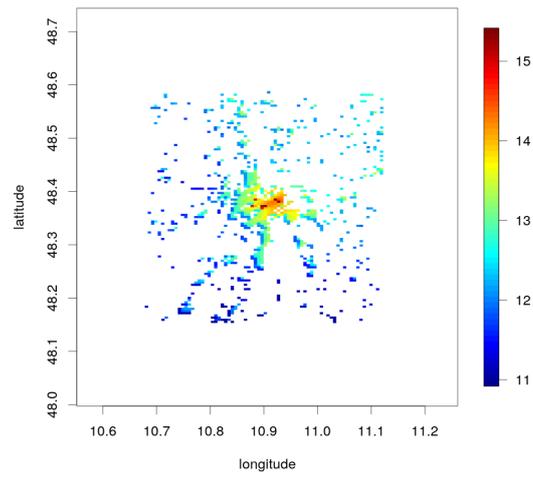
Änderung (cdo timavg)



### 3.3 2 m Minimumstemperatur

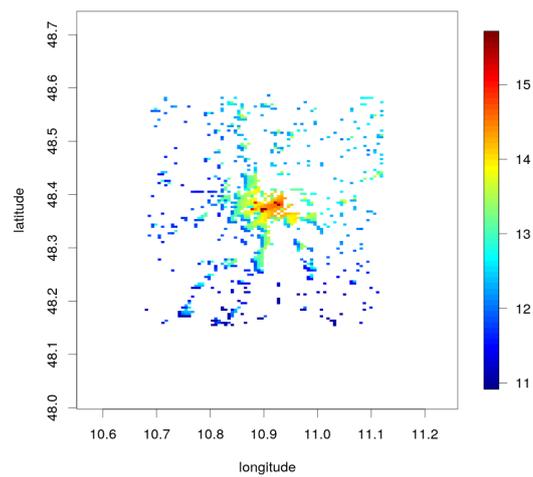
Ist-Zustand

Simulation

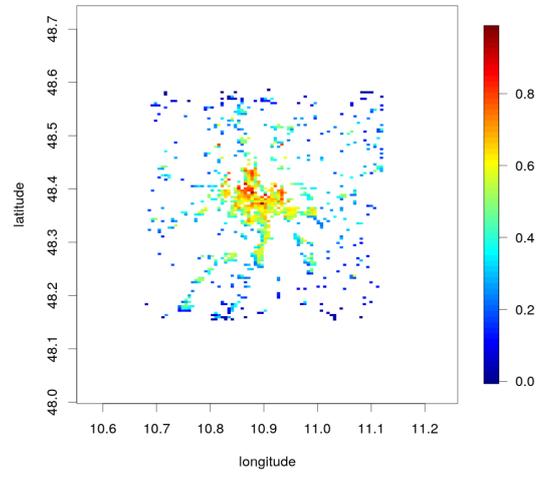


weniger Vegetation

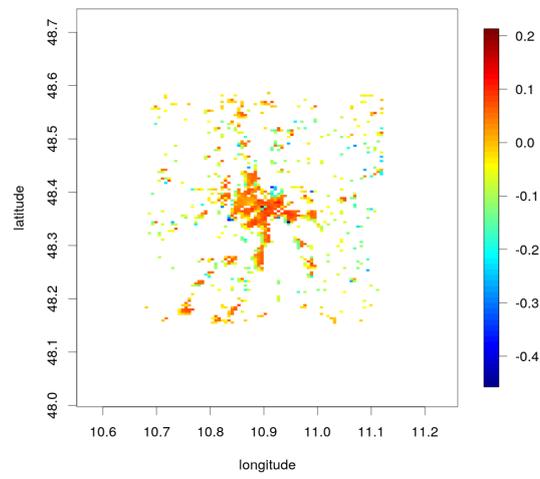
Simulation



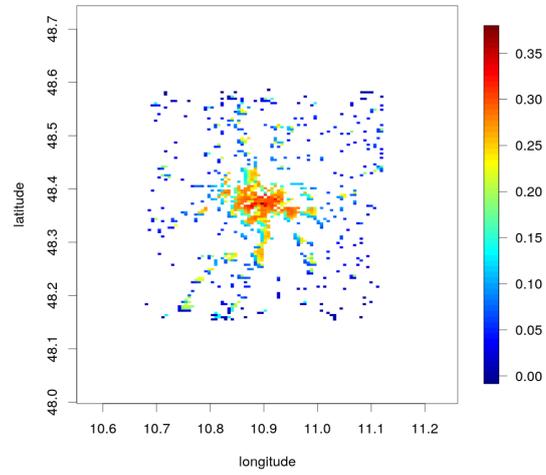
Änderung (cdo timmax)



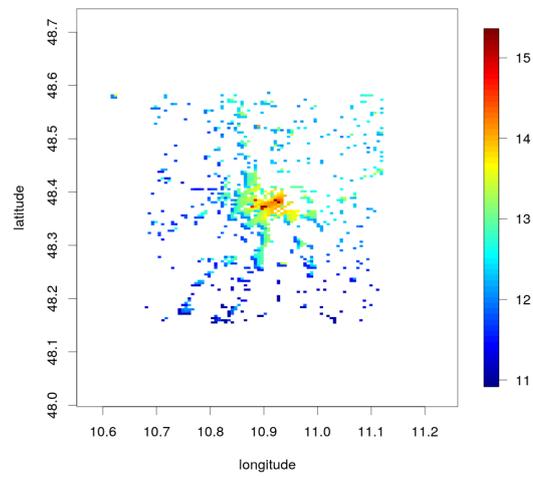
Änderung (cdo timmin)



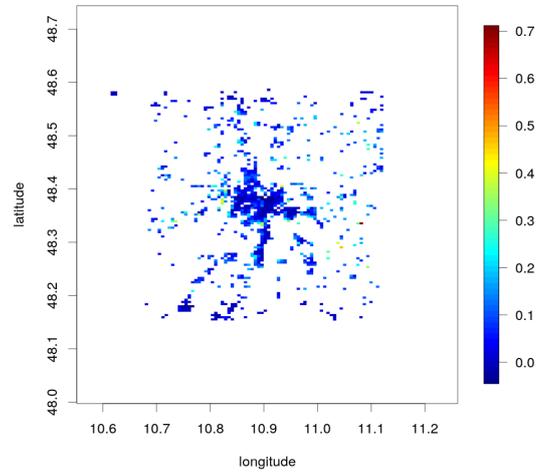
Änderung (cdo timavg)



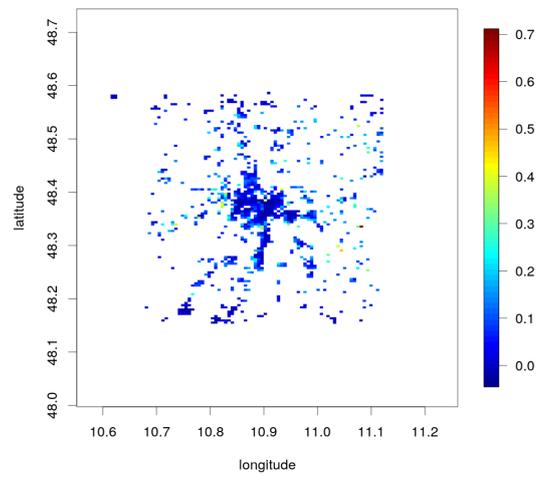
**mehr Vegetation**  
Simulation



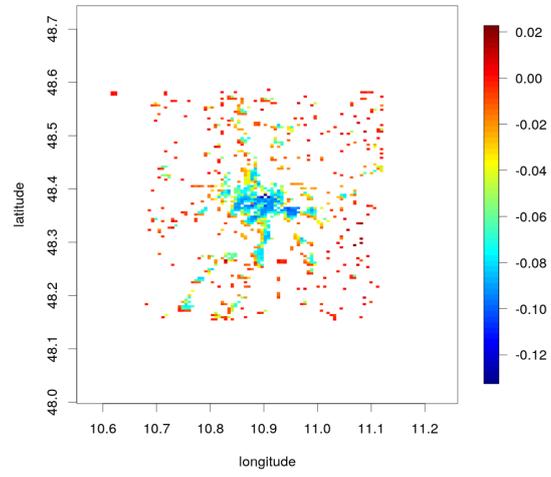
Änderung (cdo timmax)



Änderung (cdo timmin)



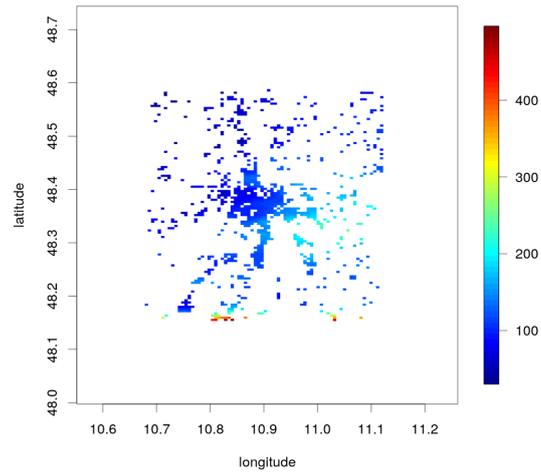
Änderung (cdo timavg)



### 3.4 Niederschlag

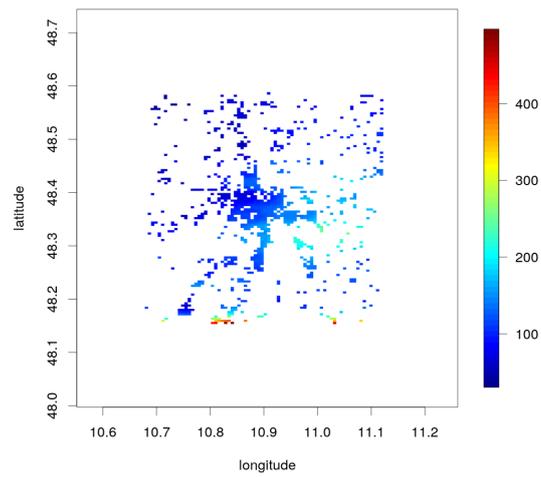
Ist-Zustand

Simulation

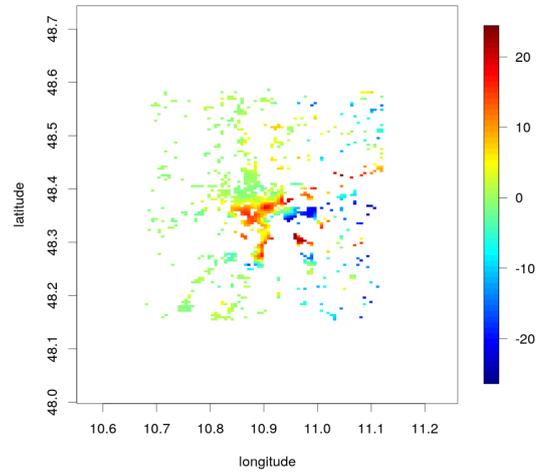


weniger Vegetation

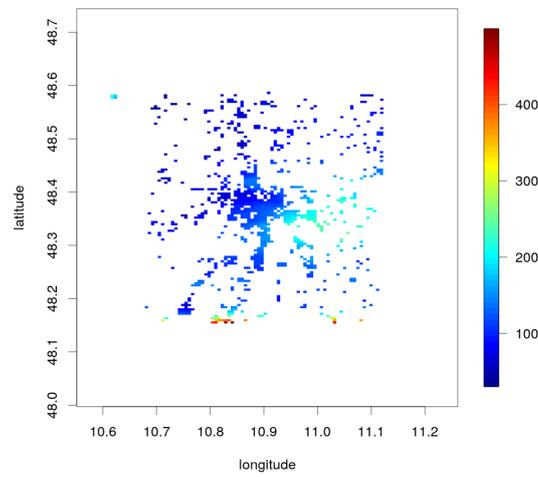
Simulation



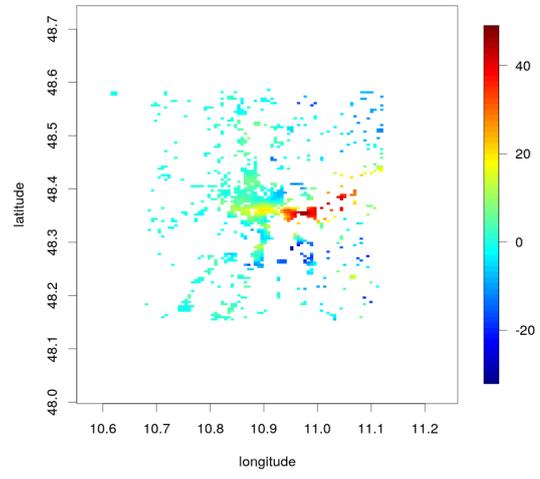
Änderung



**mehr Vegetation**  
Simulation



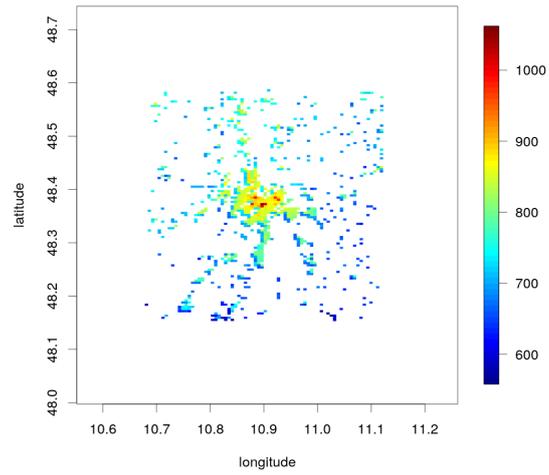
Änderung



### 3.5 Stunden über 25 °C

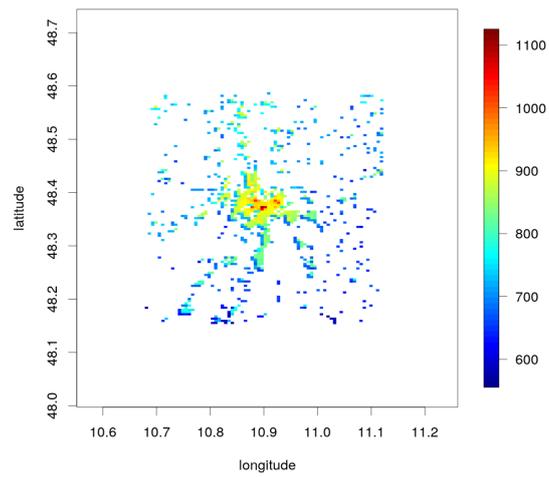
Ist-Zustand

Simulation

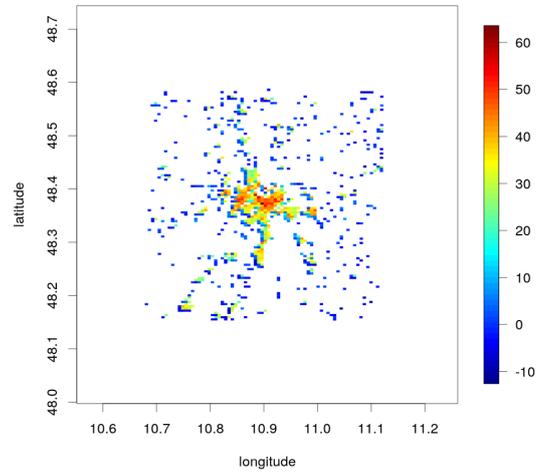


weniger Vegetation

Simulation

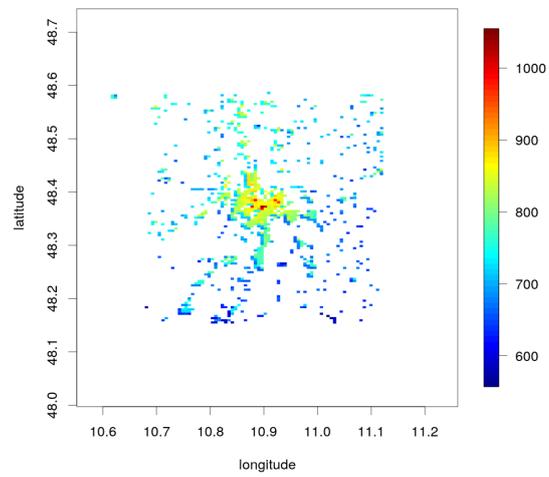


Änderung

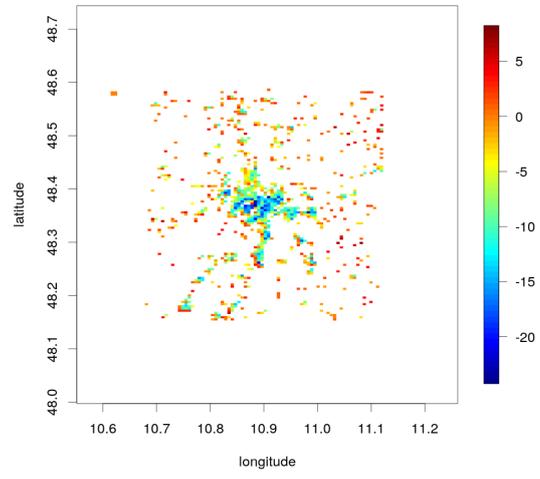


**mehr Vegetation**

Simulation



Änderung

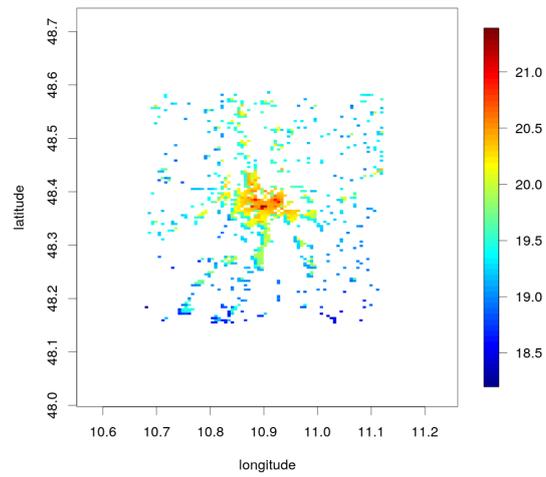


## 4 Augsburg (2012)

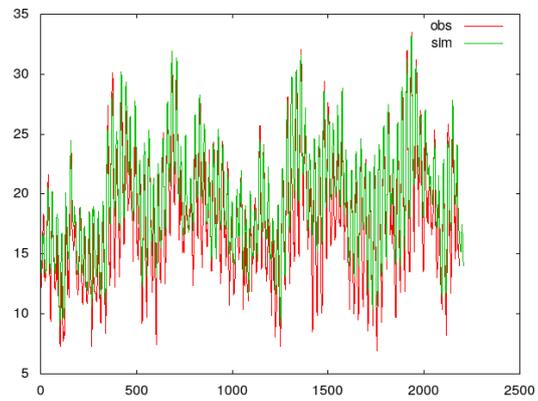
### 4.1 2 m Durchschnittstemperatur

Ist-Zustand

Simulation

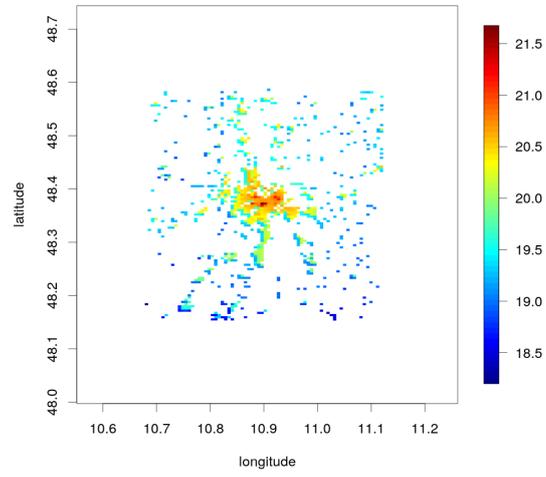


### Validierung (Messstation Augsburg)

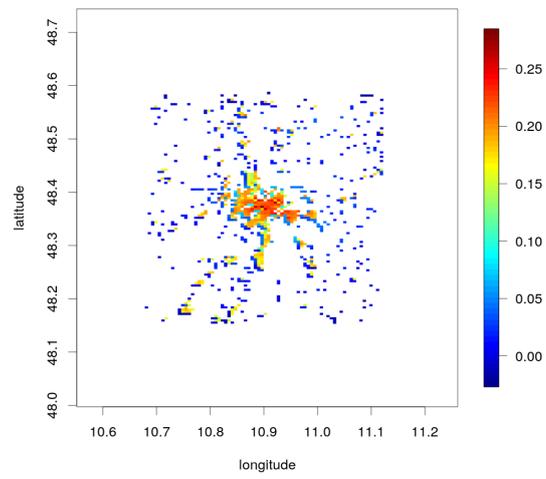


weniger Vegetation

Simulation

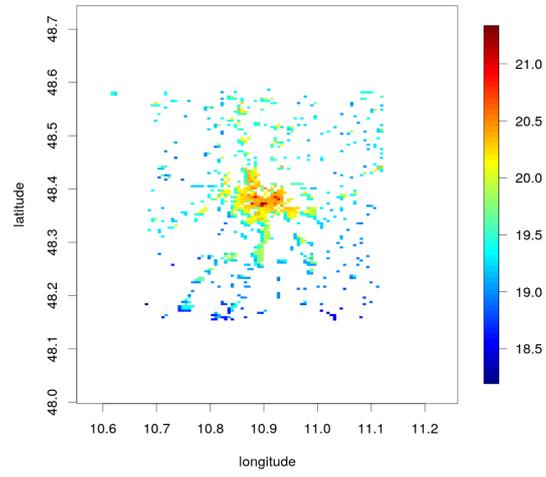


Änderung

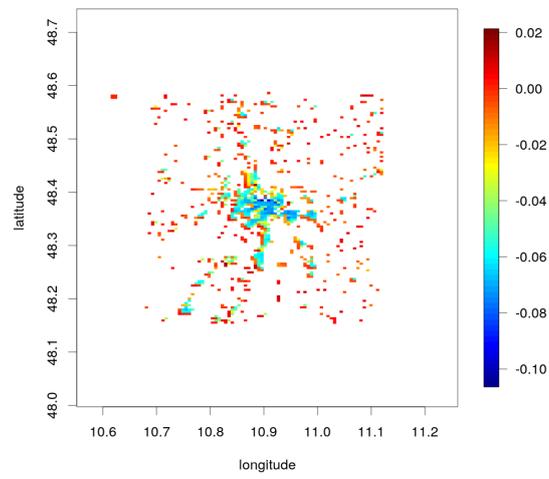


**mehr Vegetation**

Simulation



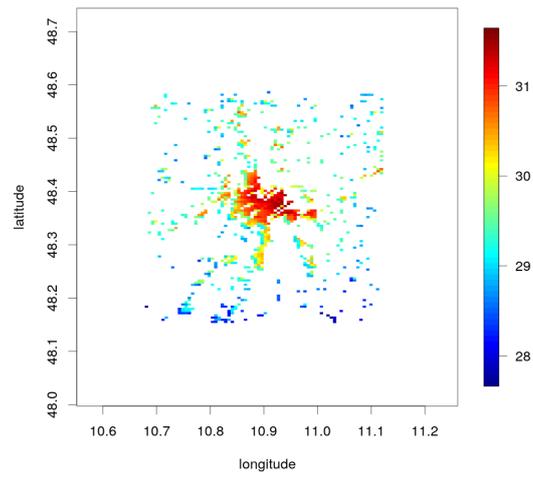
Änderung



## 4.2 2 m Maximumstemperatur

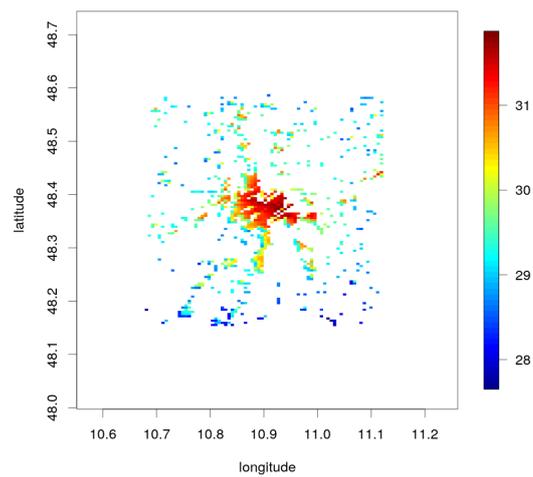
Ist-Zustand

Simulation

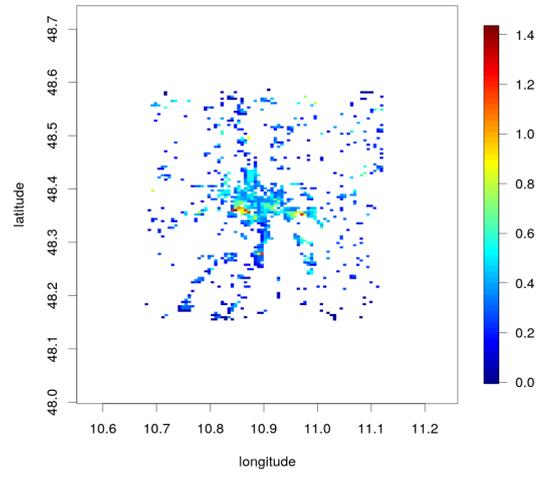


weniger Vegetation

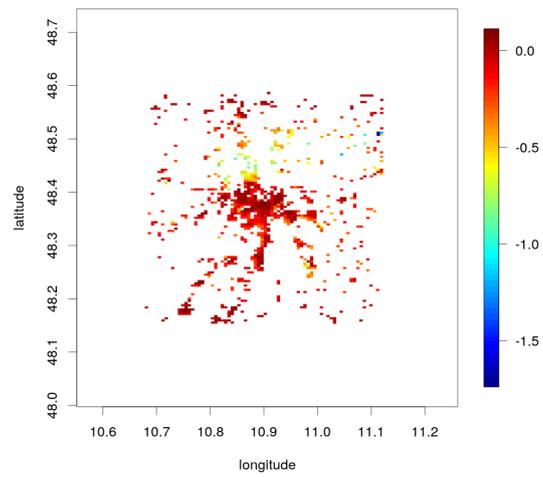
Simulation



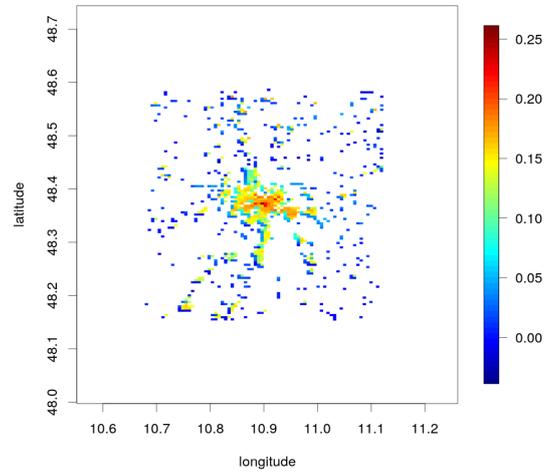
Änderung (cdo timmax)



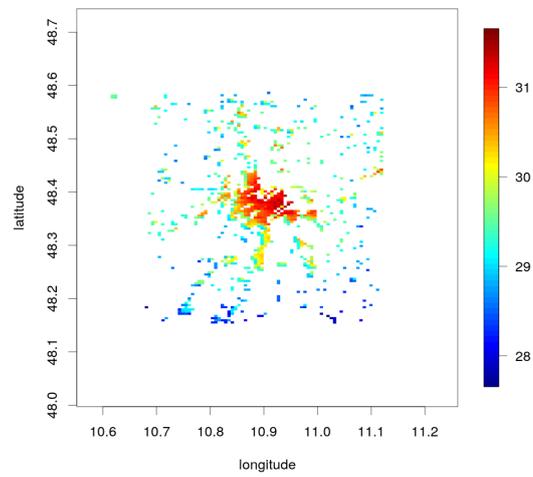
Änderung (cdo timmin)



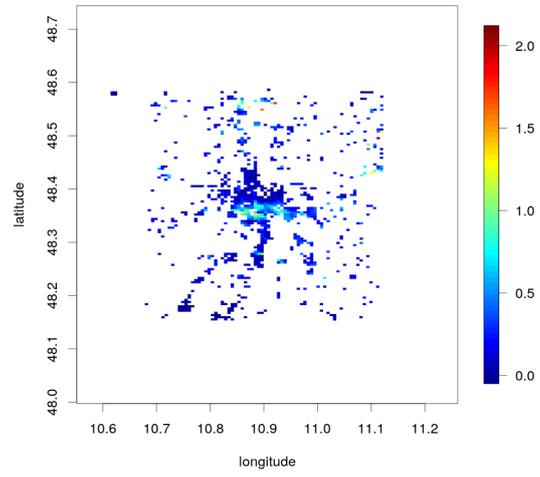
Änderung (cdo timavg)



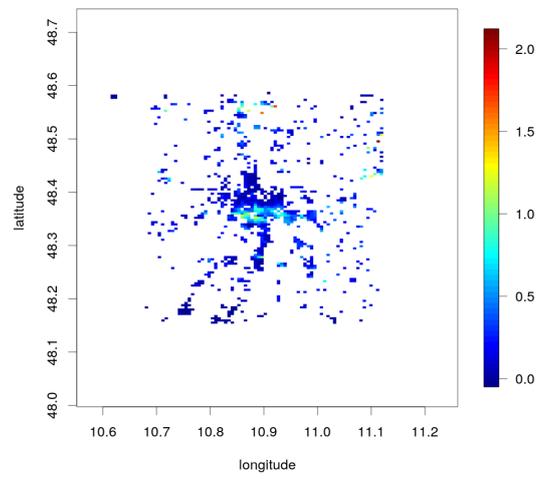
**mehr Vegetation**  
Simulation



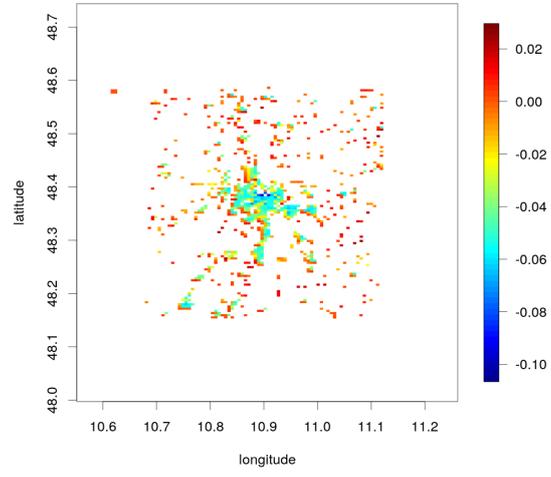
Änderung (cdo timmax)



Änderung (cdo timmin)



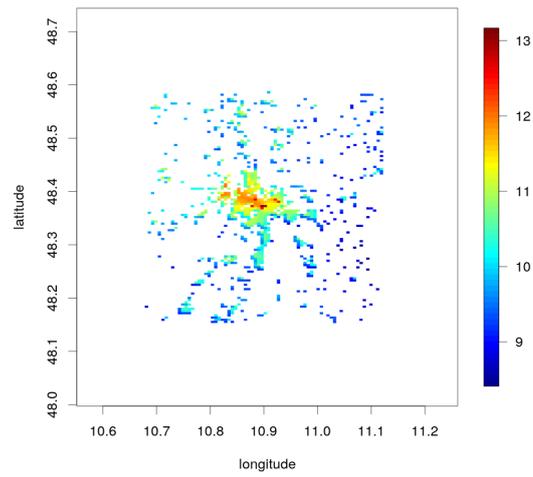
Änderung (cdo timavg)



### 4.3 2 m Minimumstemperatur

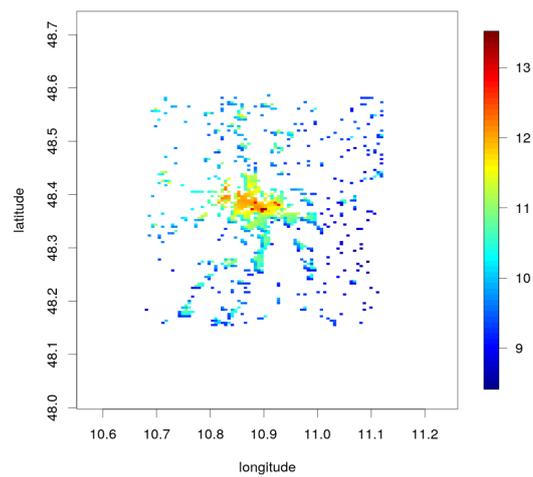
Ist-Zustand

Simulation

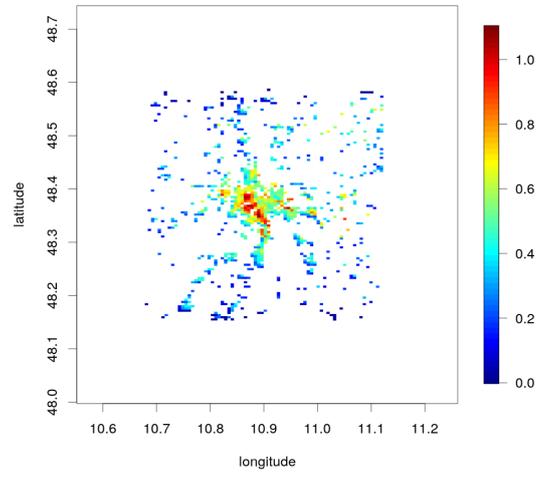


weniger Vegetation

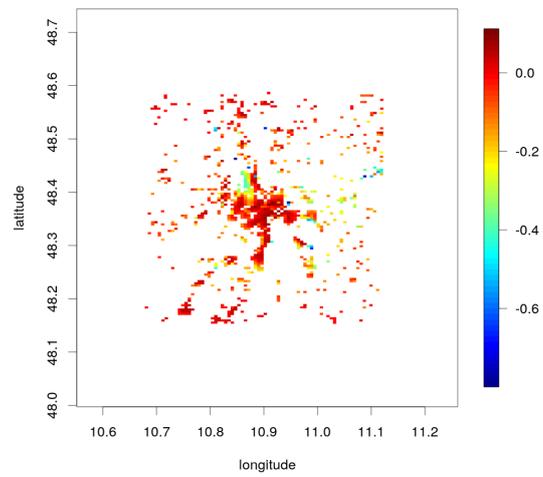
Simulation



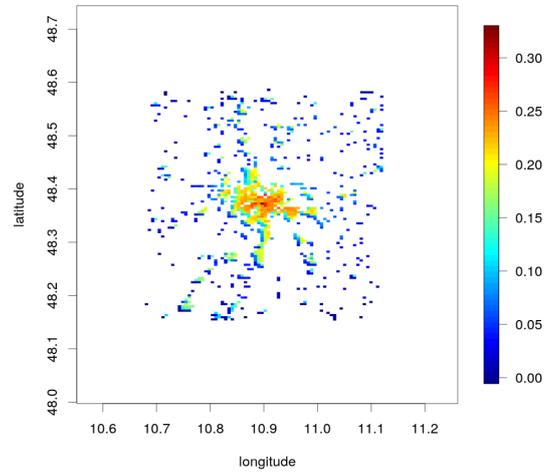
Änderung (cdo timmax)



Änderung (cdo timmin)

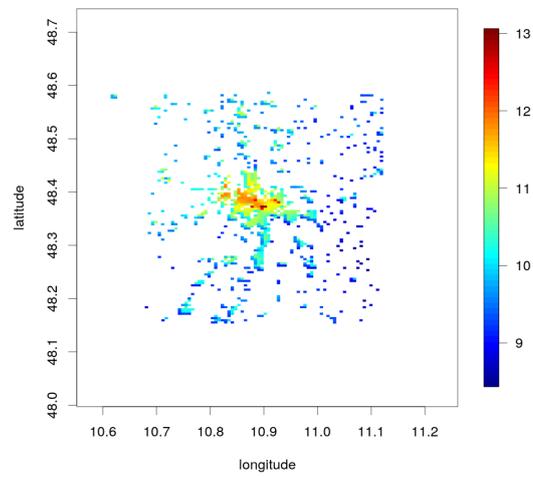


Änderung (cdo timavg)

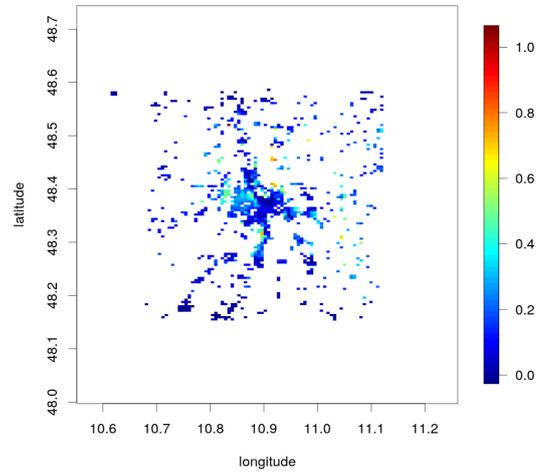


**mehr Vegetation**

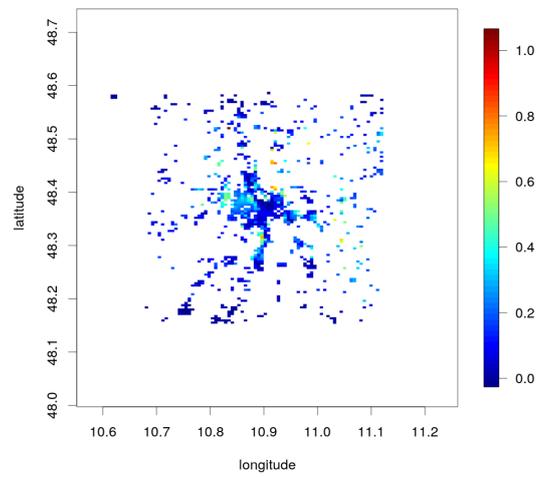
Simulation



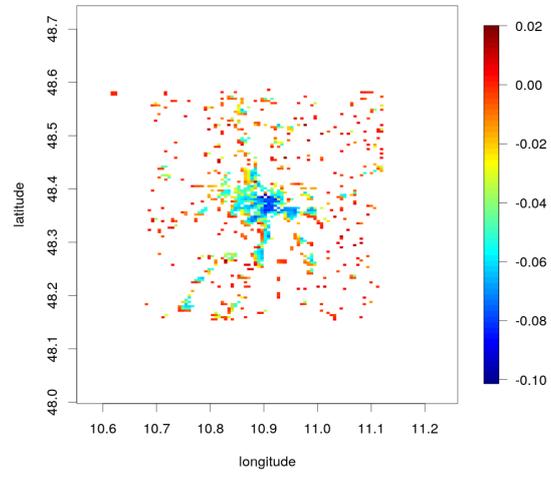
Änderung (cdo timmax)



Änderung (cdo timmin)



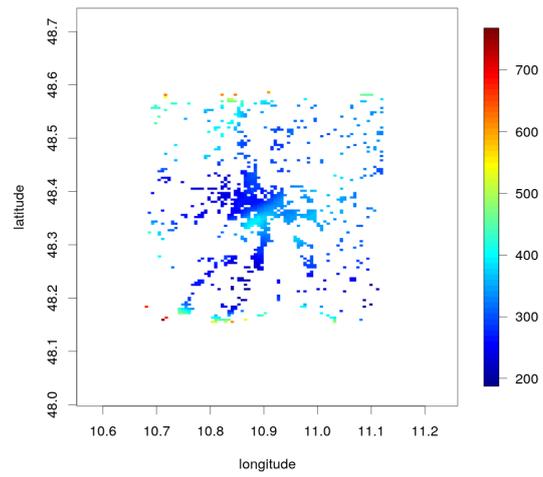
Änderung (cdo timavg)



## 4.4 Niederschlag

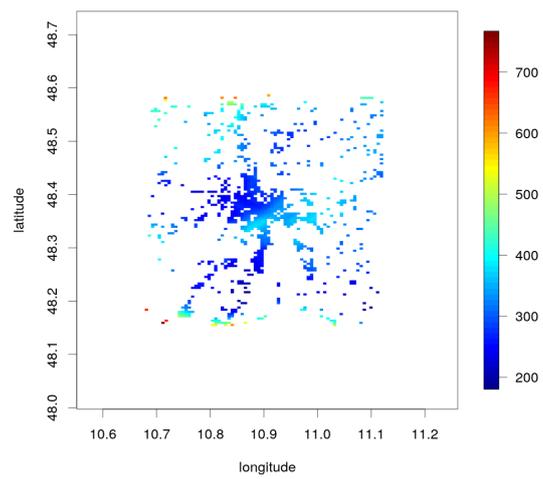
Ist-Zustand

Simulation

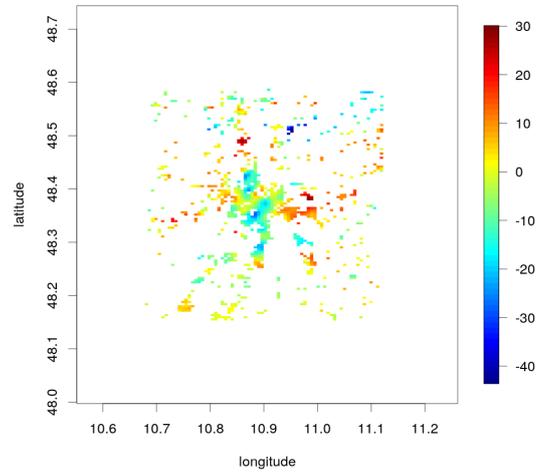


weniger Vegetation

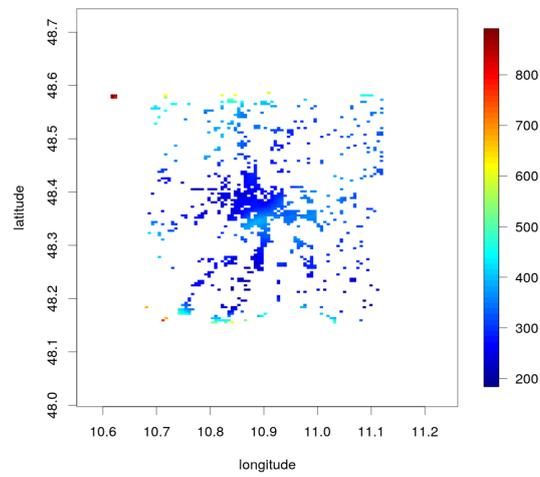
Simulation



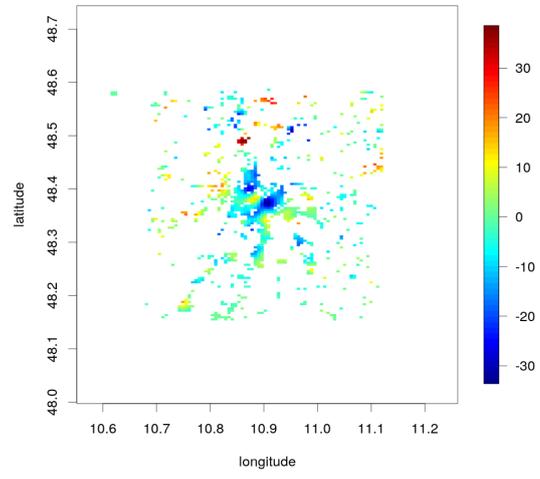
Änderung



**mehr Vegetation**  
Simulation



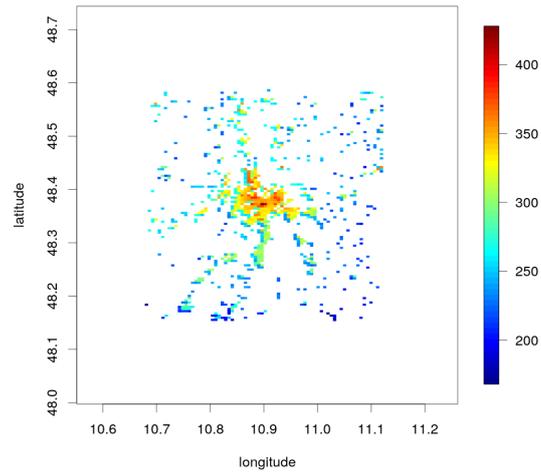
Änderung



## 4.5 Stunden über 25 °C

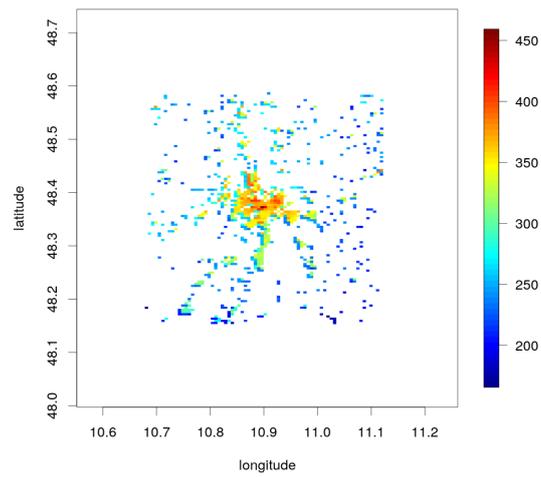
Ist-Zustand

Simulation

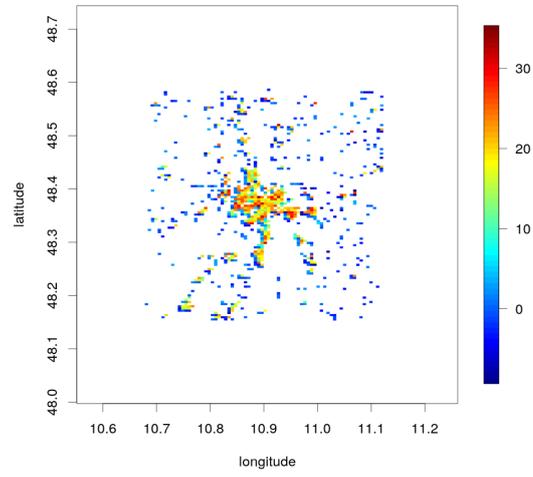


weniger Vegetation

Simulation

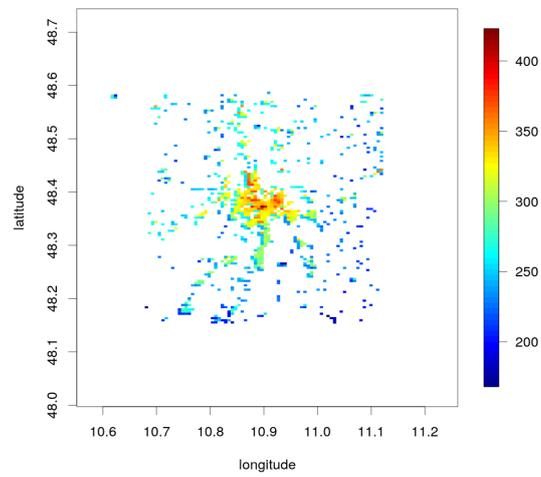


Änderung

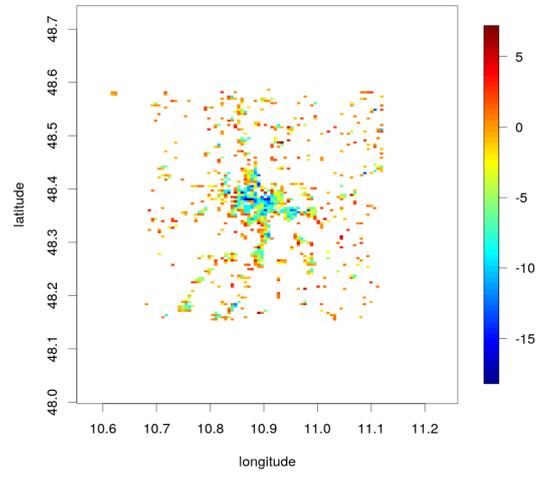


**mehr Vegetation**

Simulation



Änderung

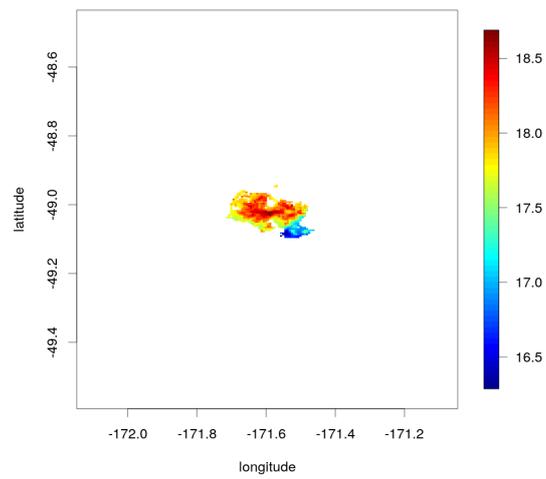


## 5 Karlsruhe (1980)

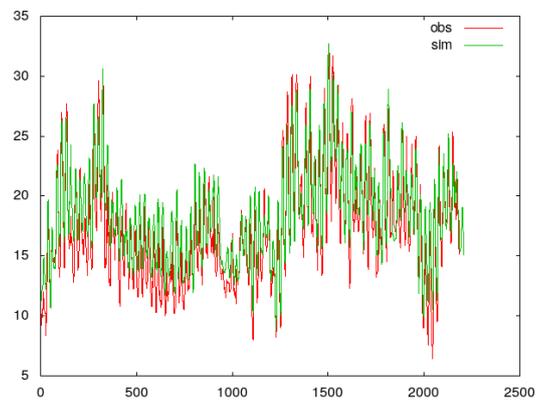
### 5.1 2 m Durchschnittstemperatur

Ist-Zustand

Simulation

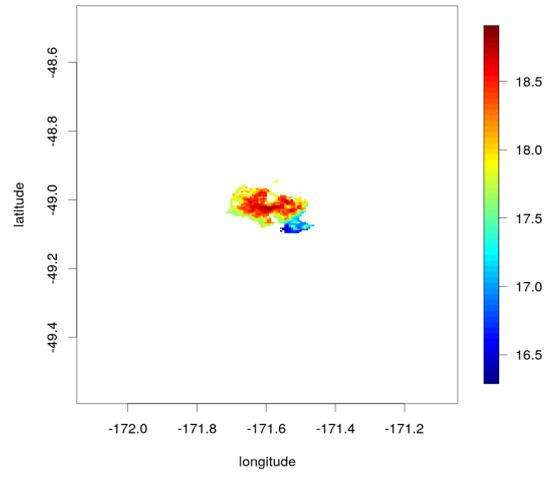


### Validierung (Messstation Karlsruhe)

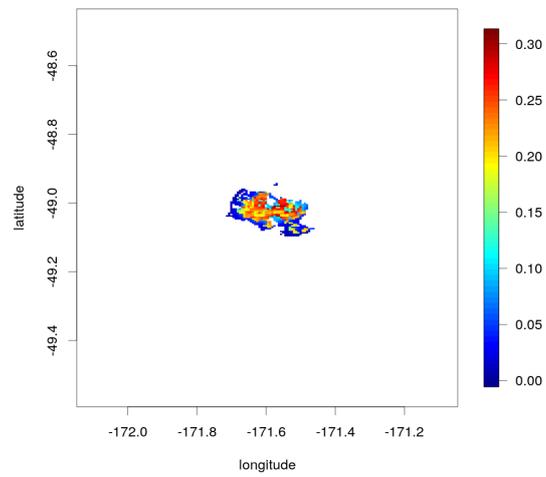


weniger Vegetation

Simulation

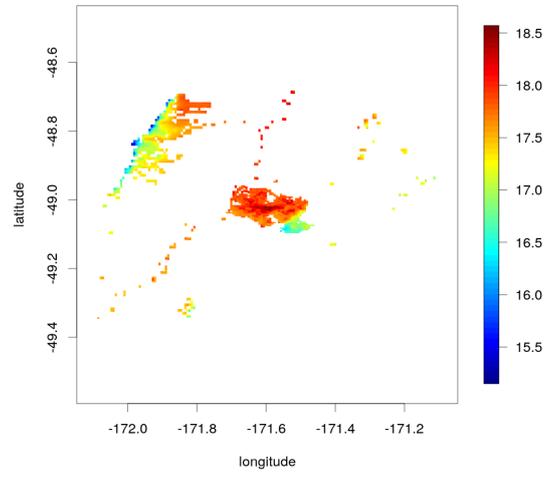


Änderung

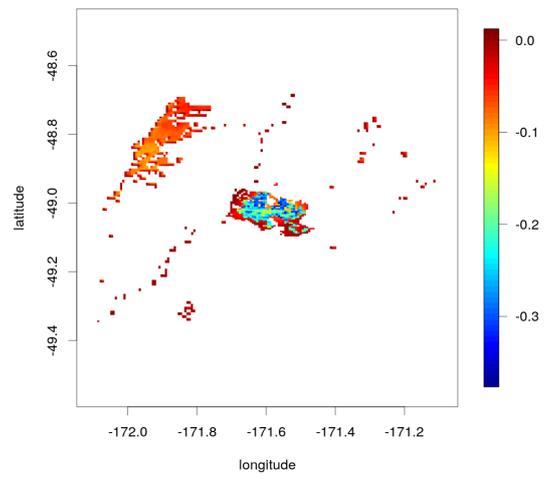


**mehr Vegetation**

Simulation



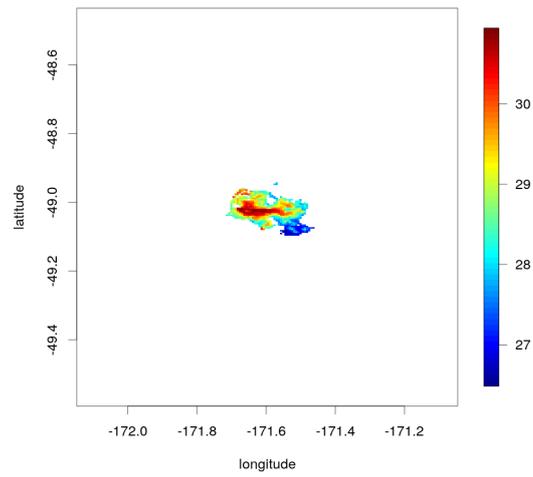
Änderung



## 5.2 2 m Maximumstemperatur

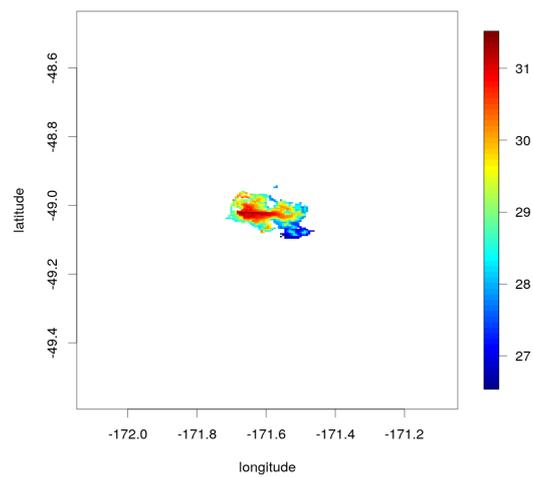
Ist-Zustand

Simulation

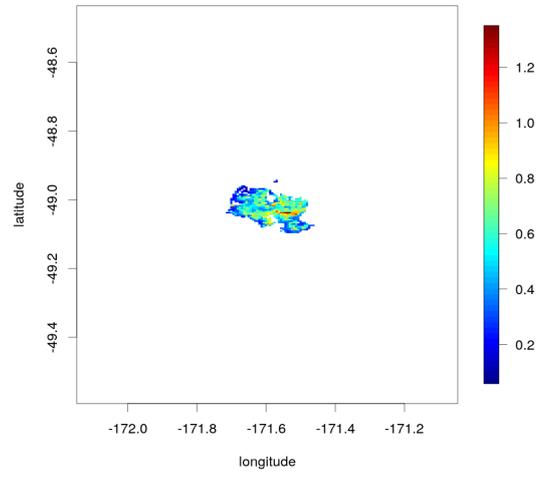


weniger Vegetation

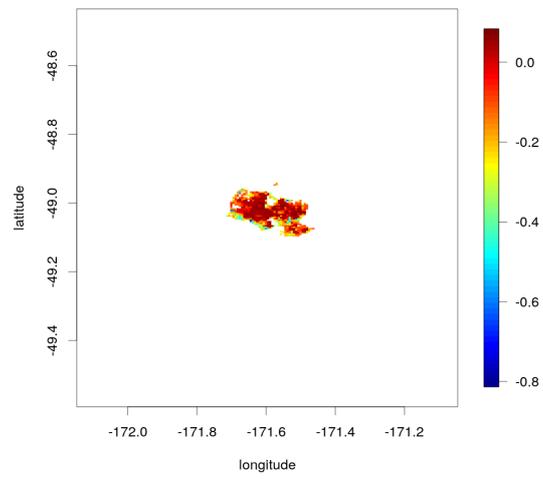
Simulation



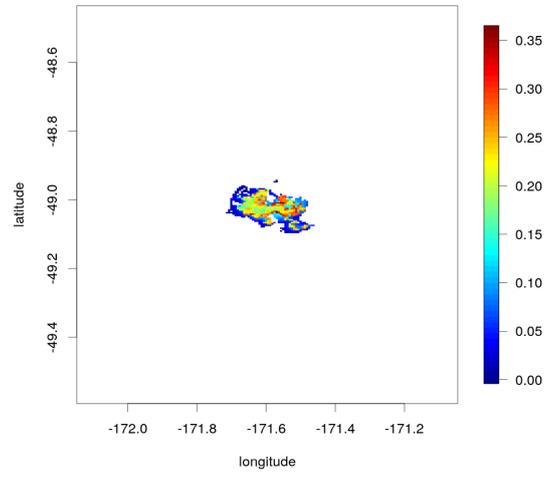
Änderung (cdo timmax)



Änderung (cdo timmin)

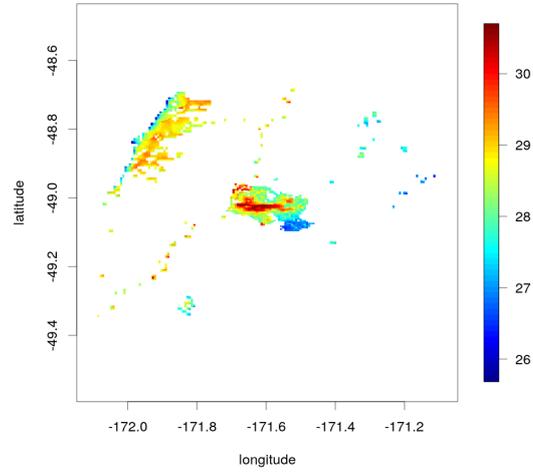


Änderung (cdo timavg)

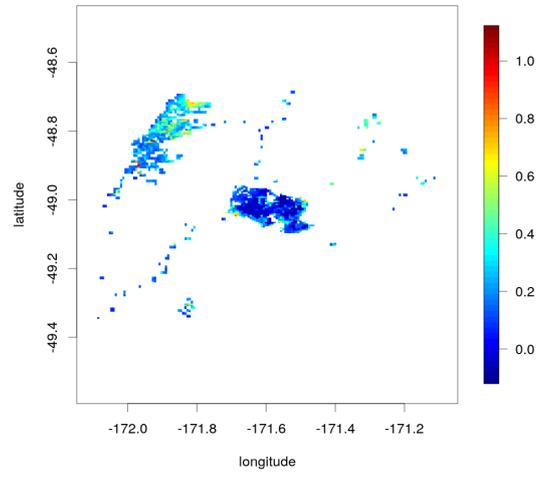


**mehr Vegetation**

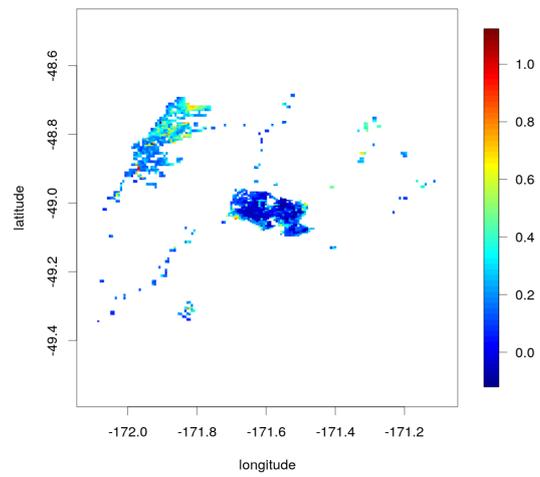
Simulation



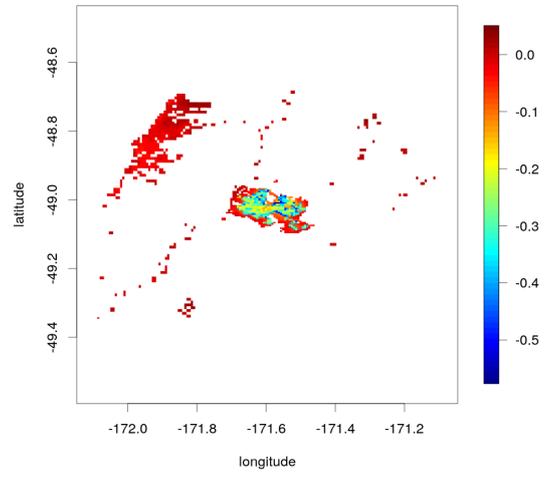
Änderung (cdo timmax)



Änderung (cdo timmin)



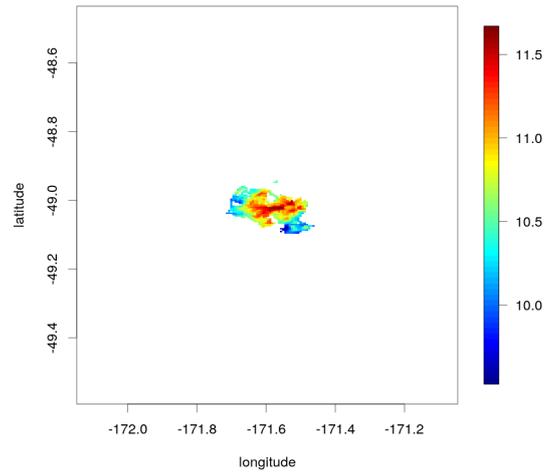
Änderung (cdo timavg)



### 5.3 2 m Minimumstemperatur

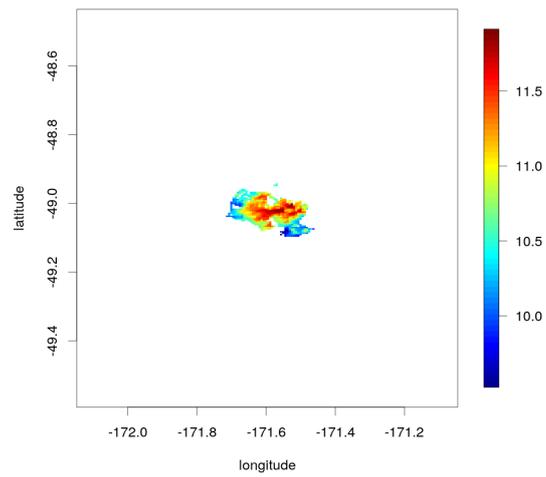
Ist-Zustand

Simulation

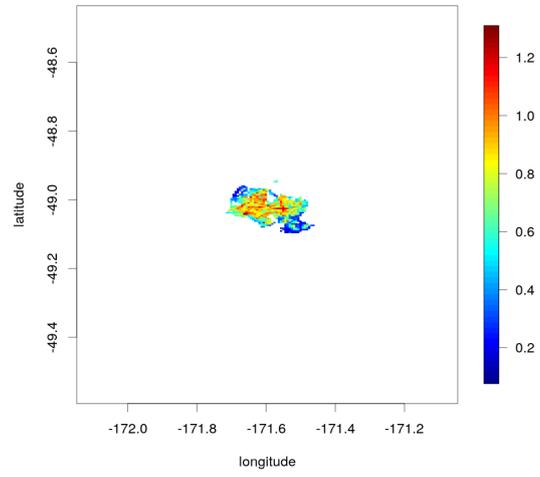


weniger Vegetation

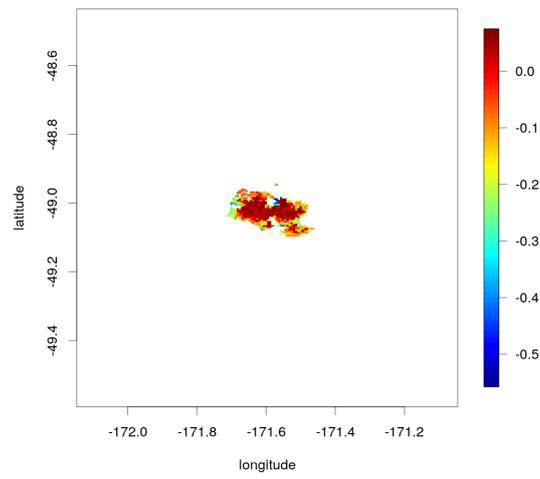
Simulation



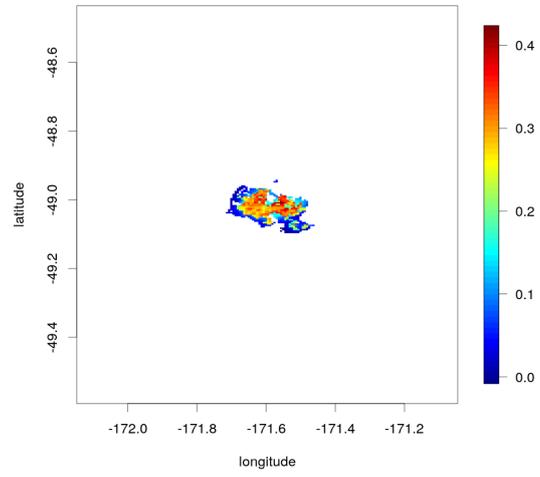
Änderung (cdo timmax)



Änderung (cdo timmin)

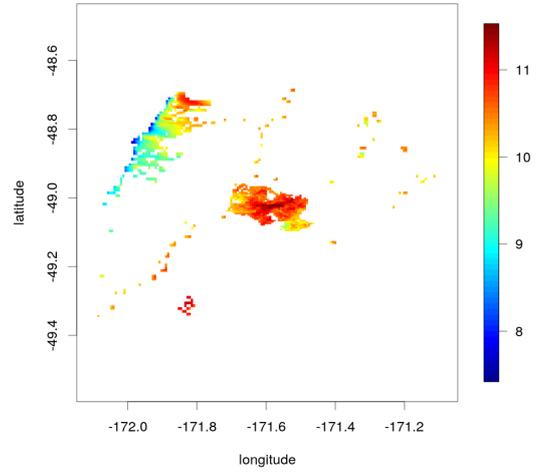


Änderung (cdo timavg)

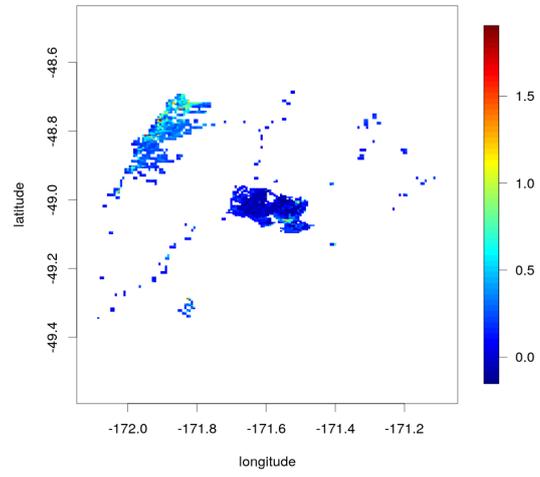


**mehr Vegetation**

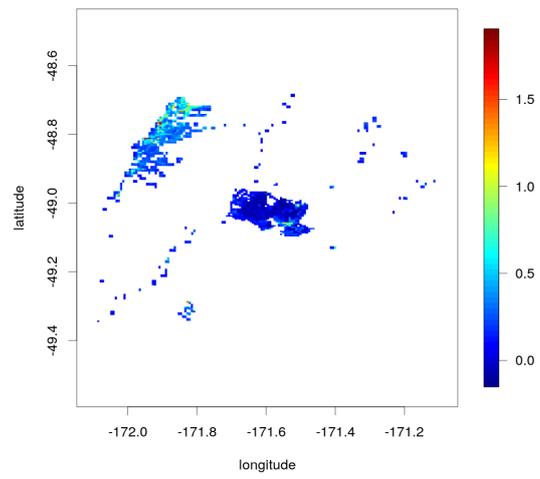
Simulation



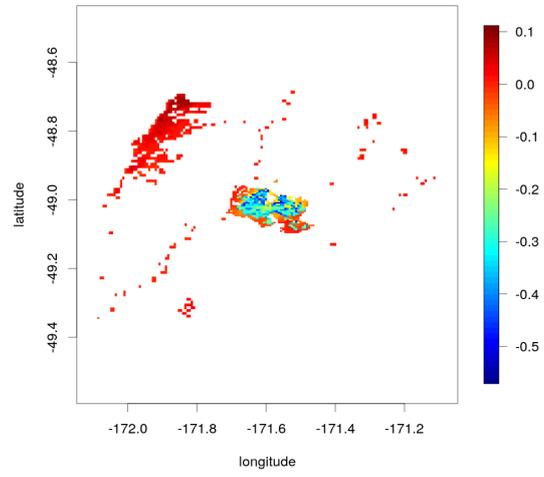
Änderung (cdo timmax)



Änderung (cdo timmin)



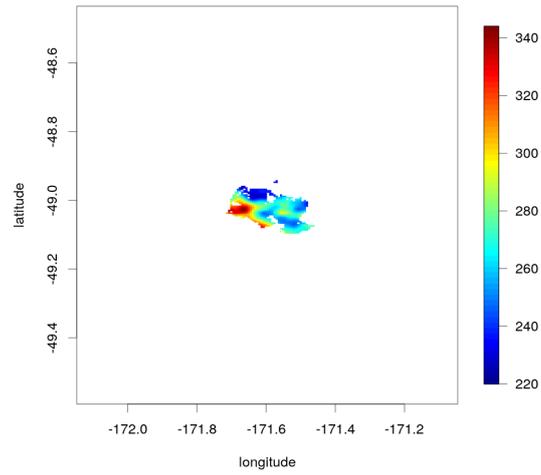
Änderung (cdo timavg)



## 5.4 Niederschlag

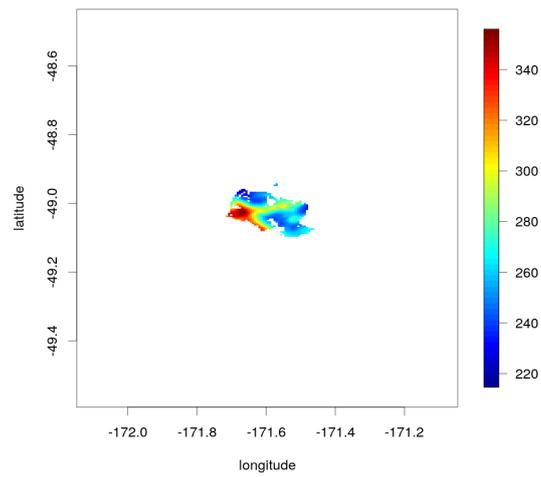
Ist-Zustand

Simulation

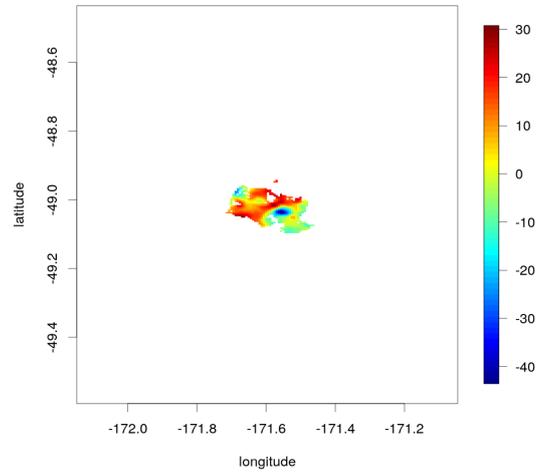


weniger Vegetation

Simulation

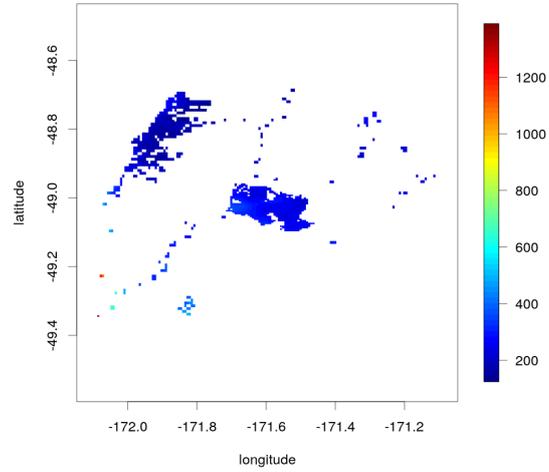


Änderung

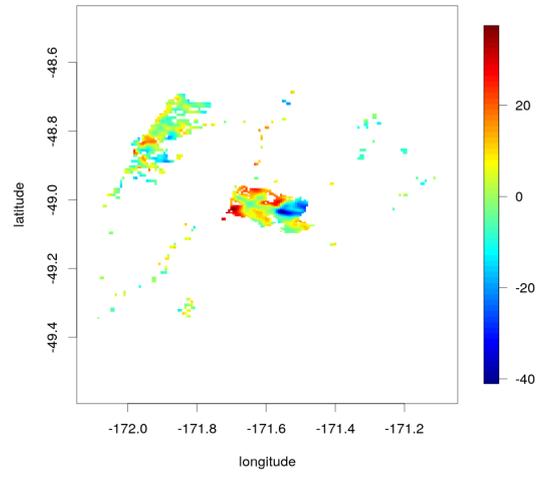


**mehr Vegetation**

Simulation



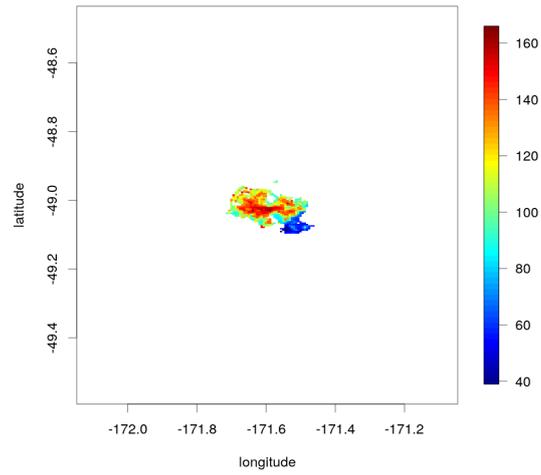
Änderung



## 5.5 Stunden über 25 °C

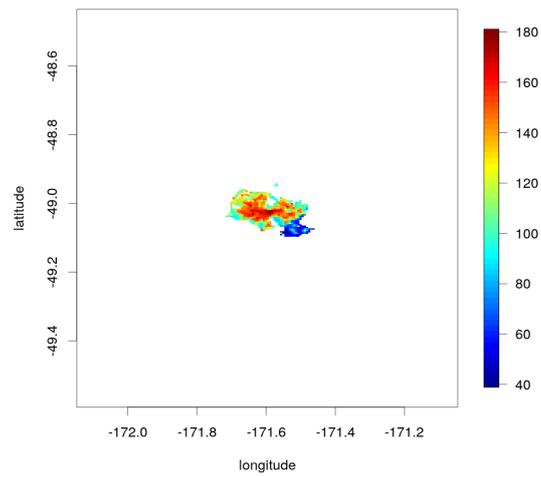
Ist-Zustand

Simulation

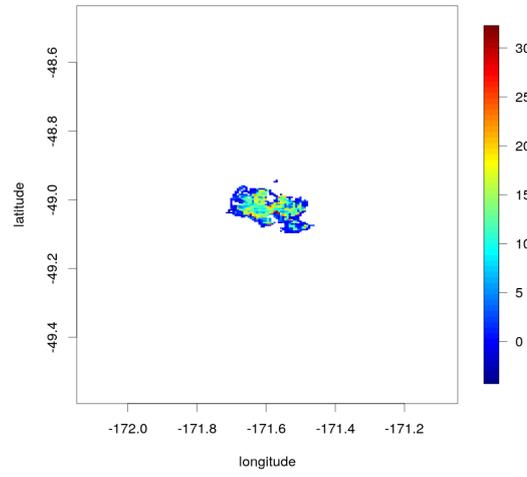


weniger Vegetation

Simulation

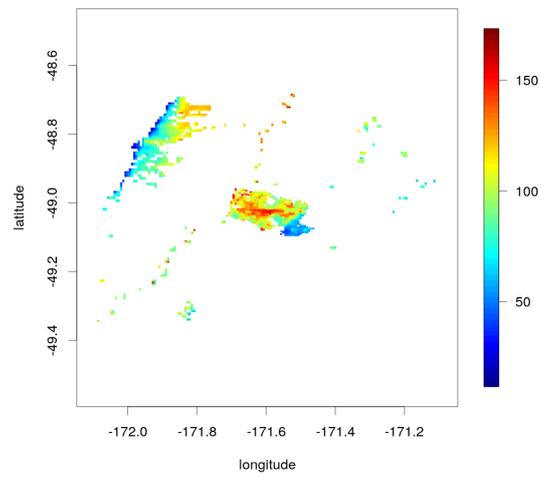


Änderung

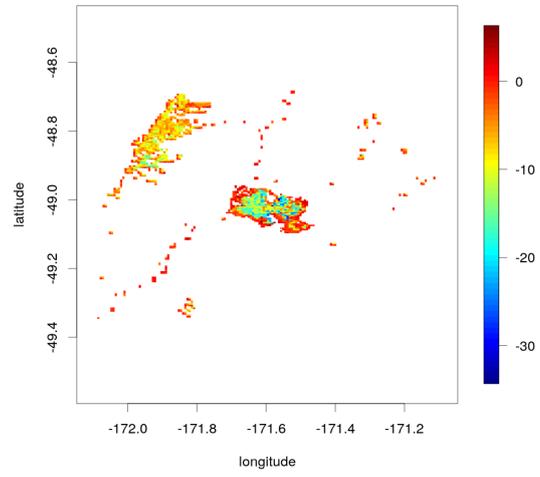


**mehr Vegetation**

Simulation



Änderung

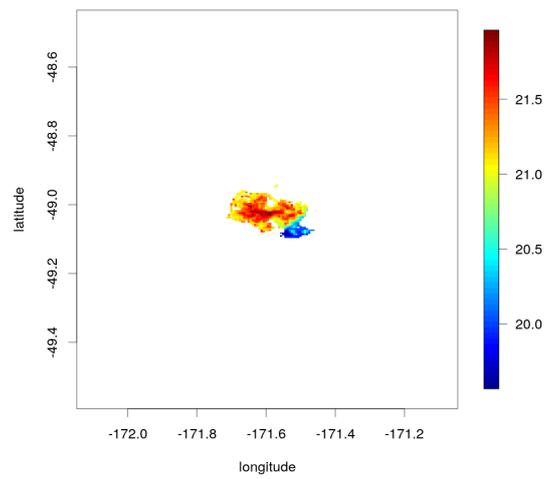


## 6 Karlsruhe (1989)

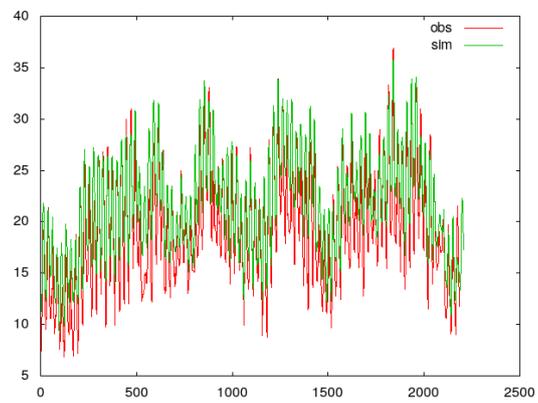
### 6.1 2 m Durchschnittstemperatur

Ist-Zustand

Simulation

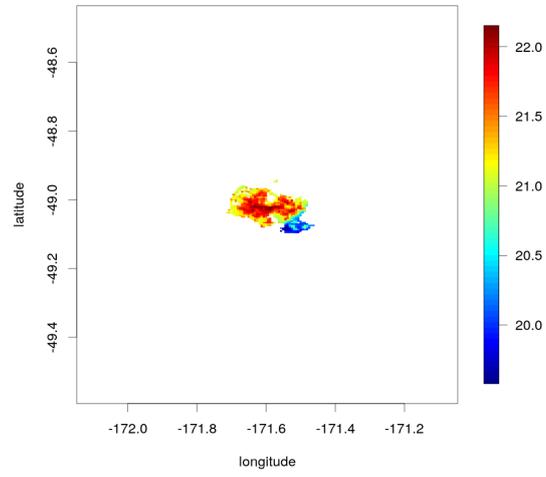


### Validierung (Messstation Karlsruhe)

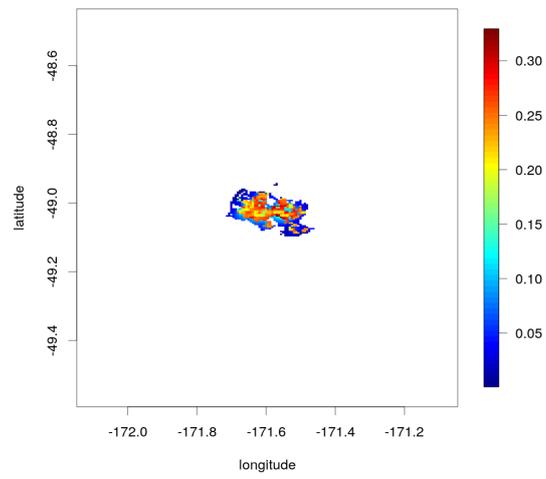


weniger Vegetation

Simulation

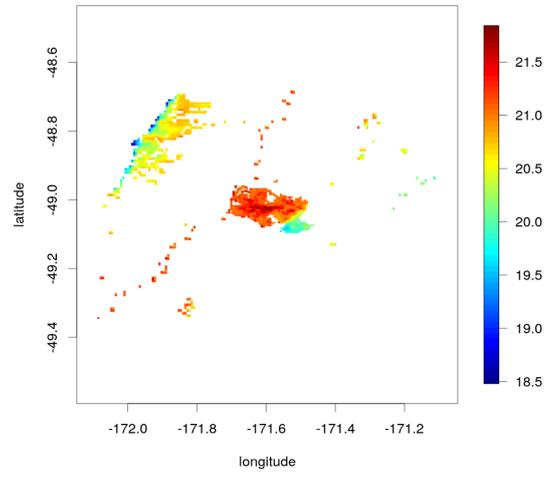


Änderung

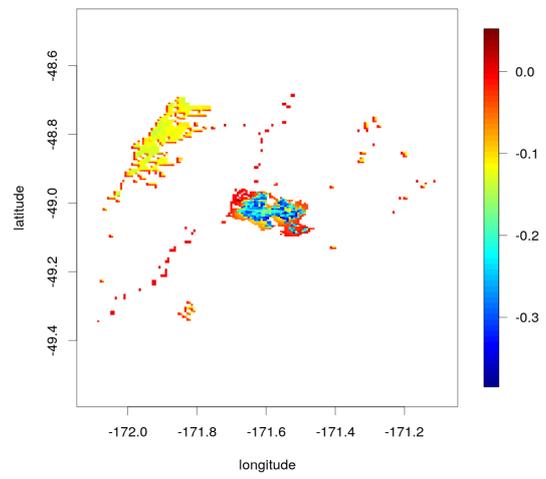


**mehr Vegetation**

Simulation



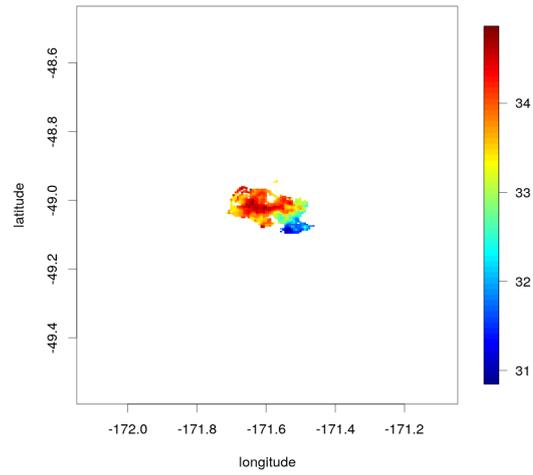
Änderung



## 6.2 2 m Maximumstemperatur

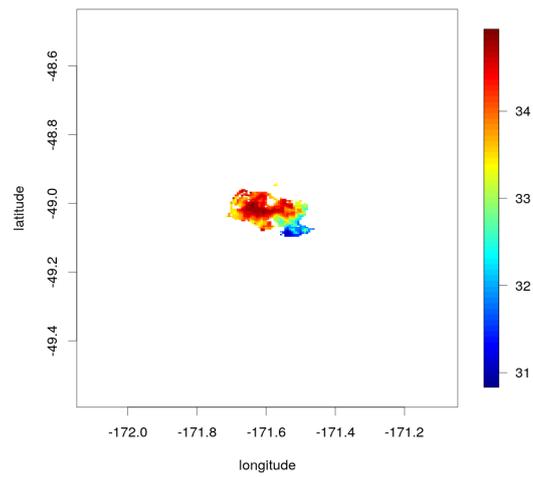
Ist-Zustand

Simulation

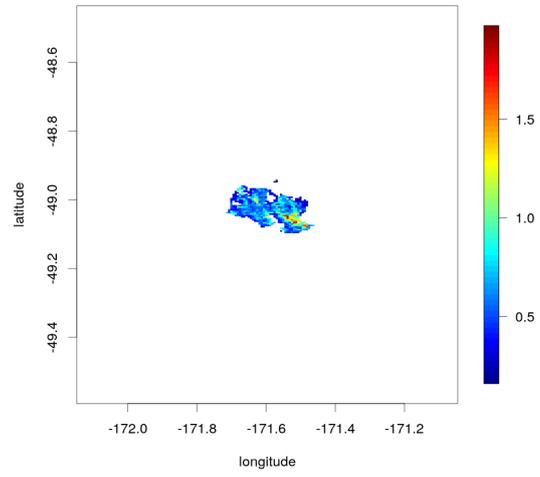


weniger Vegetation

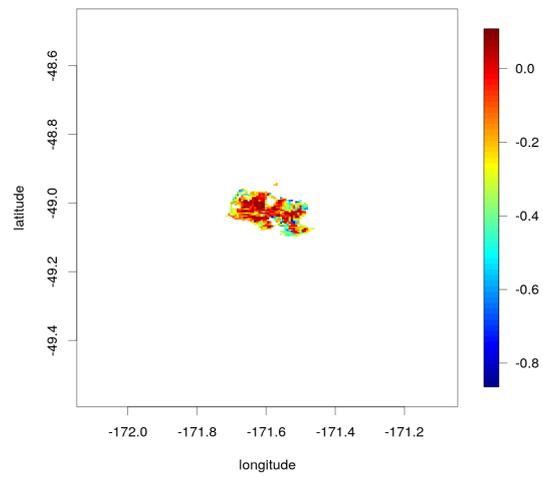
Simulation



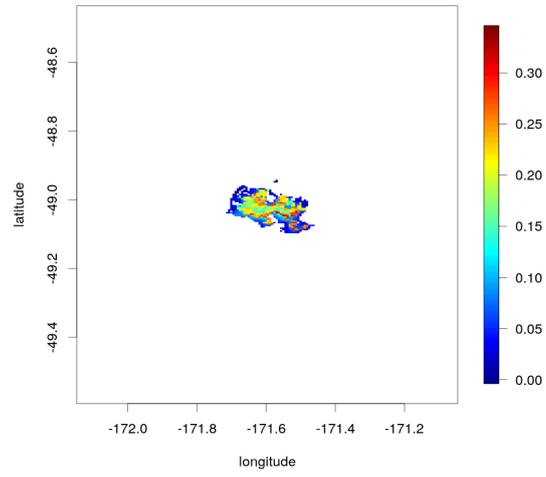
Änderung (cdo timmax)



Änderung (cdo timmin)

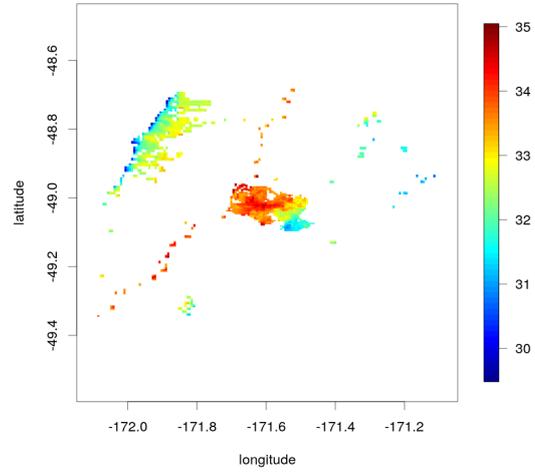


Änderung (cdo timavg)

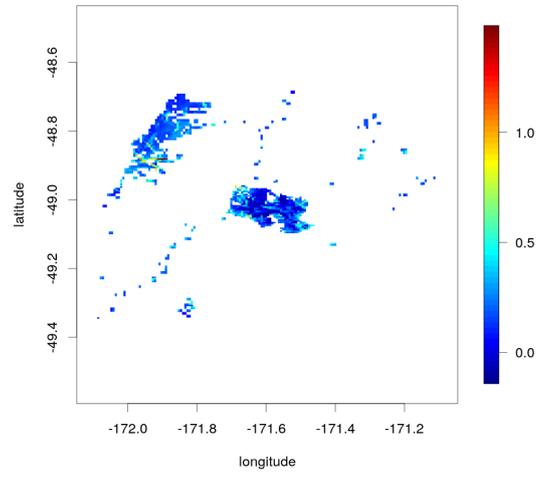


**mehr Vegetation**

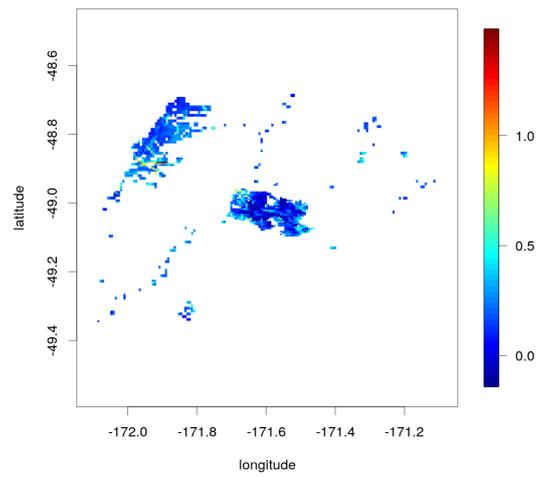
Simulation



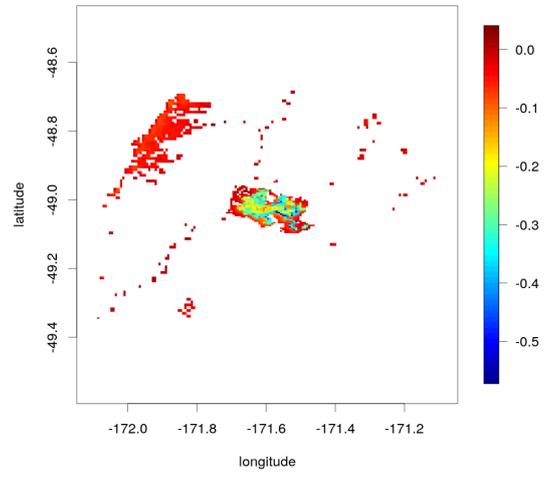
Änderung (cdo timmax)



Änderung (cdo timmin)



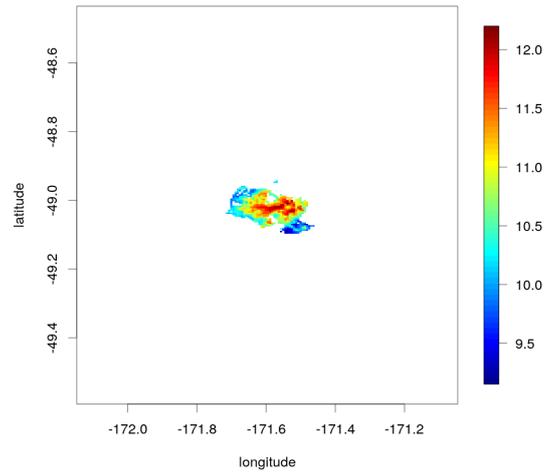
Änderung (cdo timavg)



### 6.3 2 m Minimumstemperatur

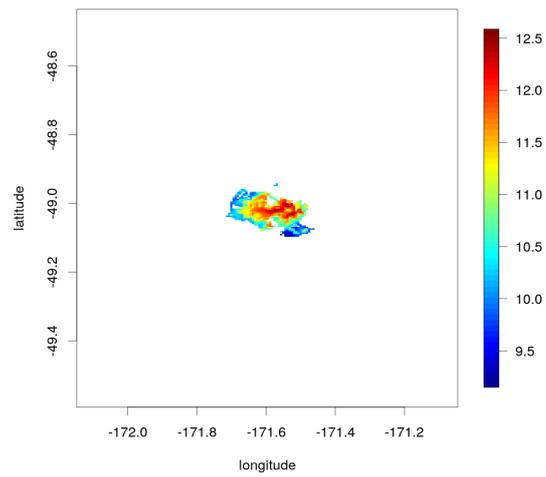
Ist-Zustand

Simulation

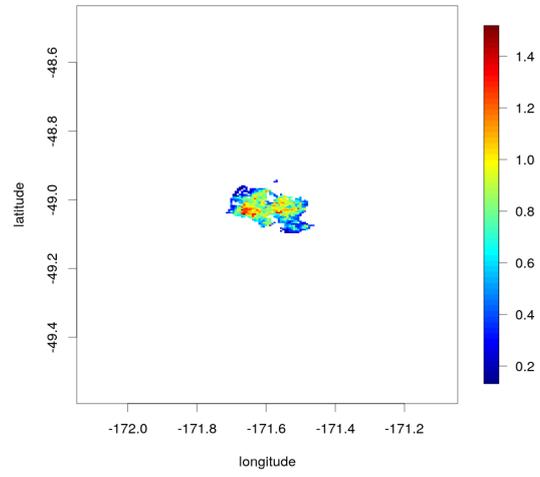


weniger Vegetation

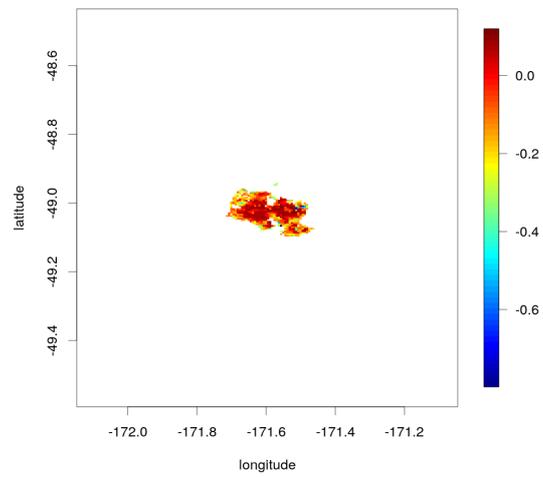
Simulation



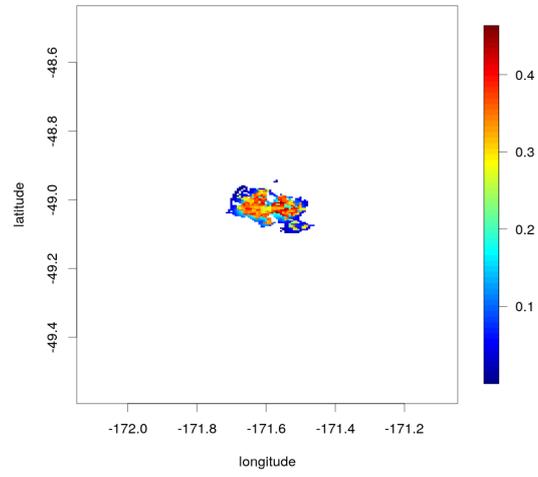
Änderung (cdo timmax)



Änderung (cdo timmin)

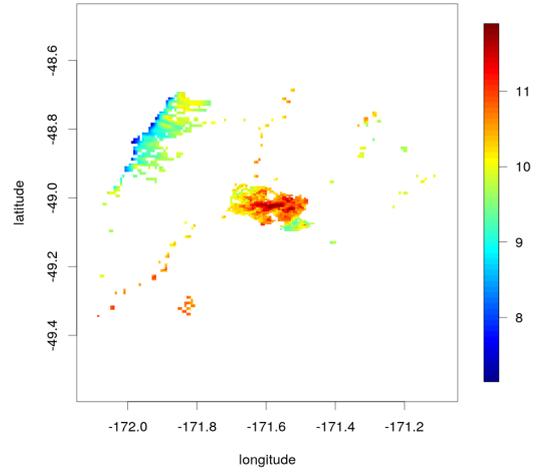


Änderung (cdo timavg)

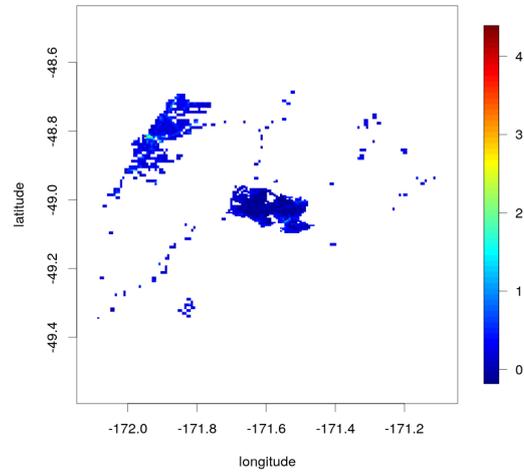


**mehr Vegetation**

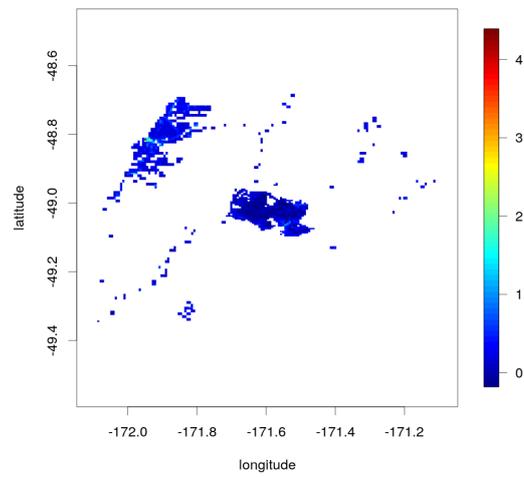
Simulation



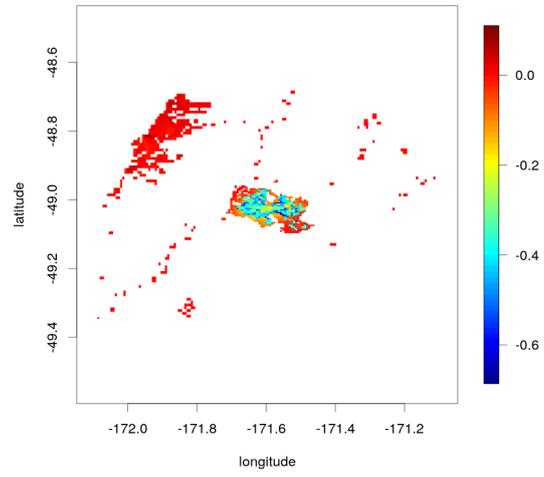
Änderung (cdo timmax)



Änderung (cdo timmin)



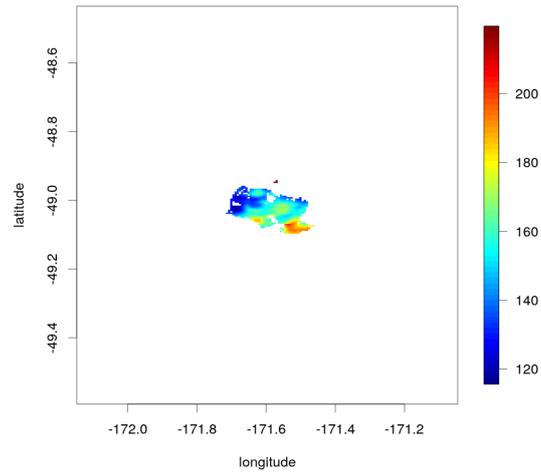
Änderung (cdo timavg)



## 6.4 Niederschlag

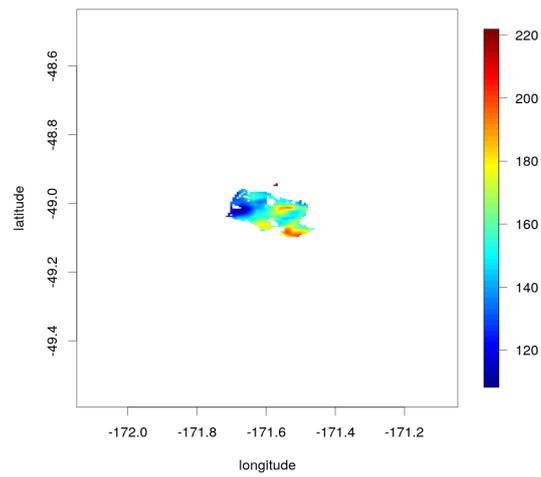
Ist-Zustand

Simulation

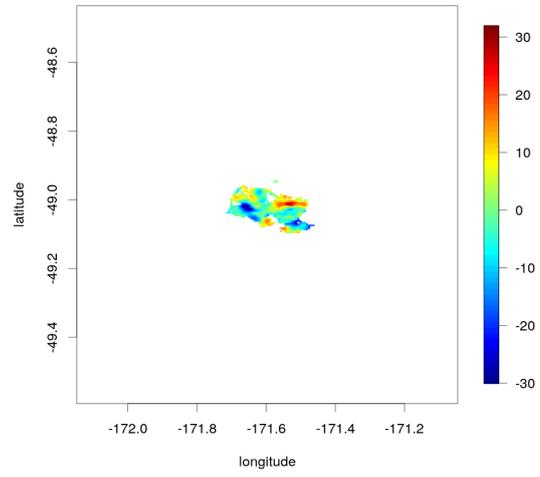


weniger Vegetation

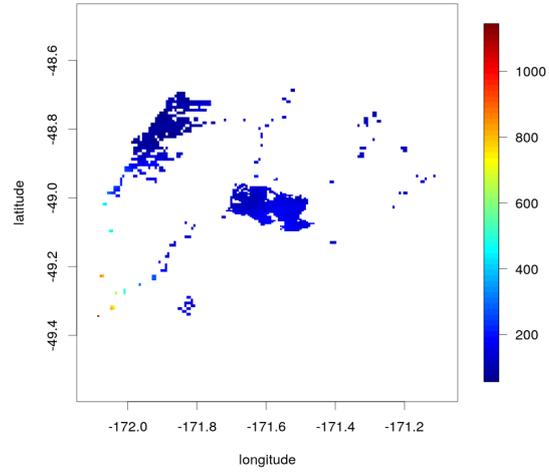
Simulation



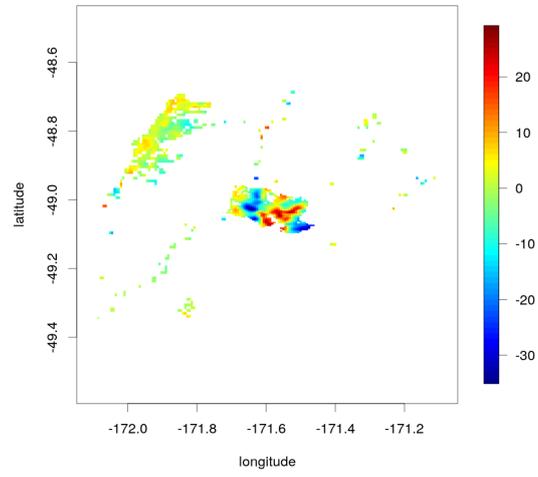
Änderung



**mehr Vegetation**  
Simulation



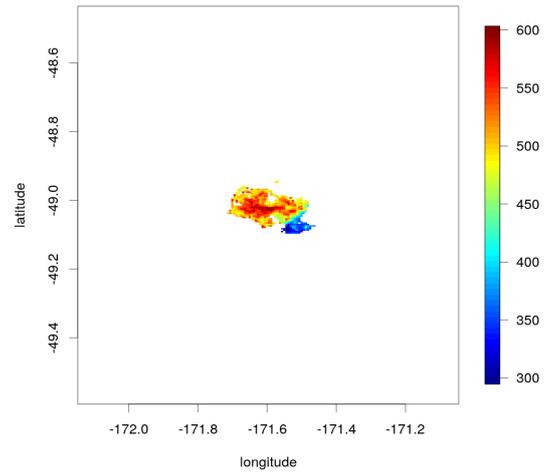
Änderung



## 6.5 Stunden über 25 °C

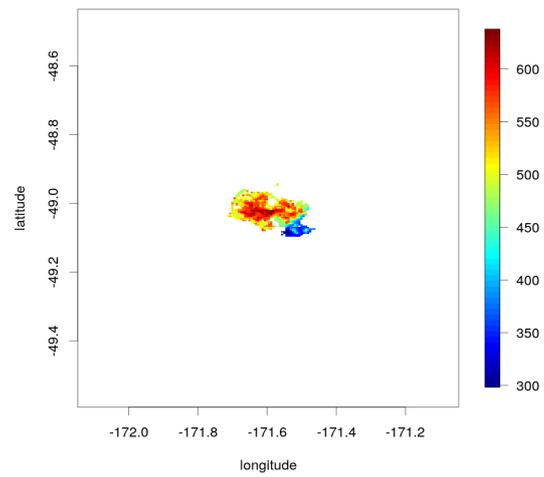
Ist-Zustand

Simulation

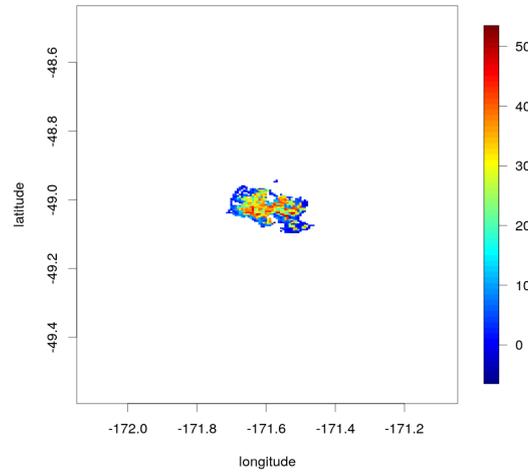


weniger Vegetation

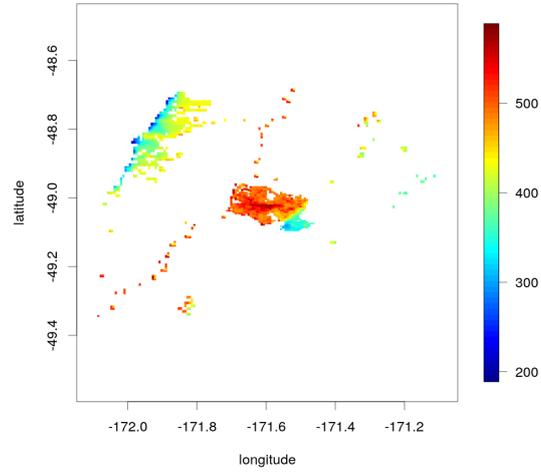
Simulation



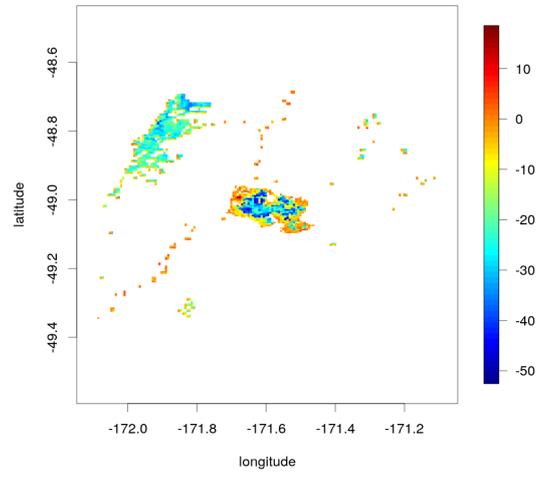
Änderung



**mehr Vegetation**  
Simulation



Änderung

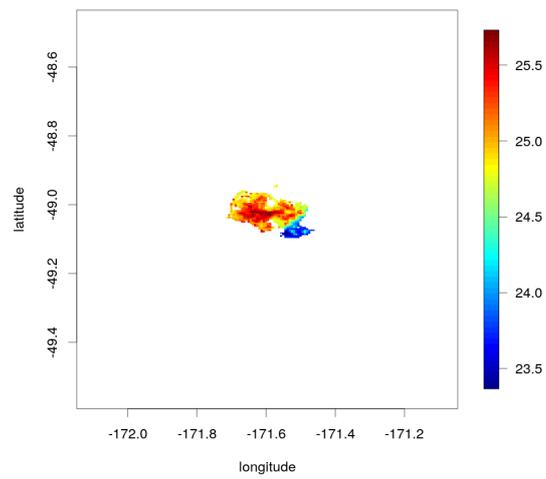


## 7 Karlsruhe (2003)

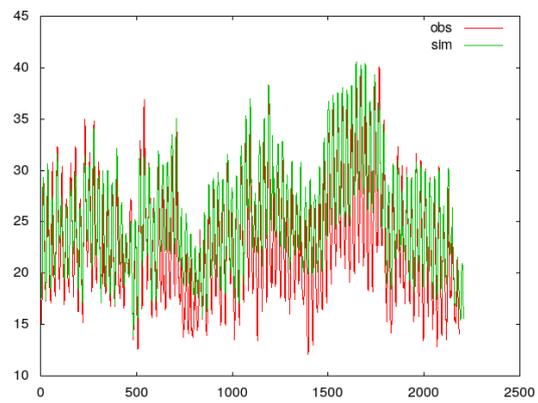
### 7.1 2 m Durchschnittstemperatur

Ist-Zustand

Simulation

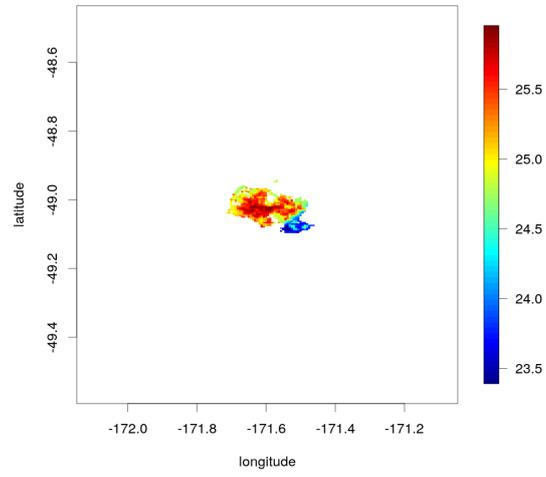


### Validierung (Messstation Karlsruhe)

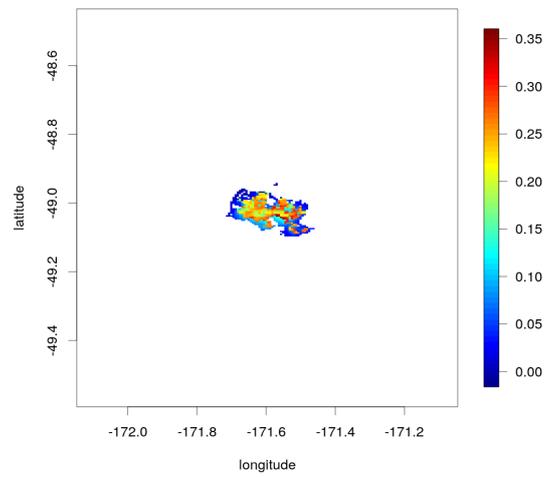


weniger Vegetation

Simulation

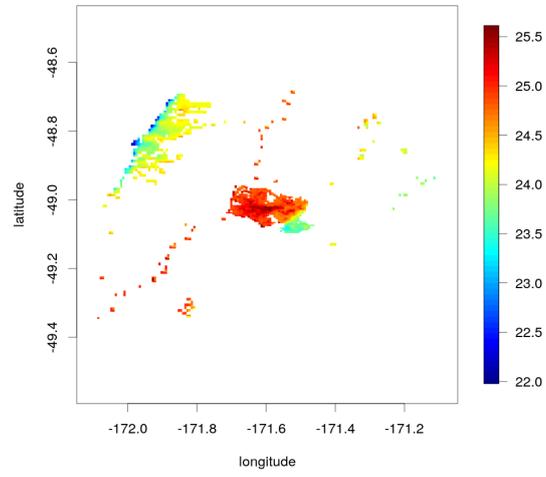


Änderung

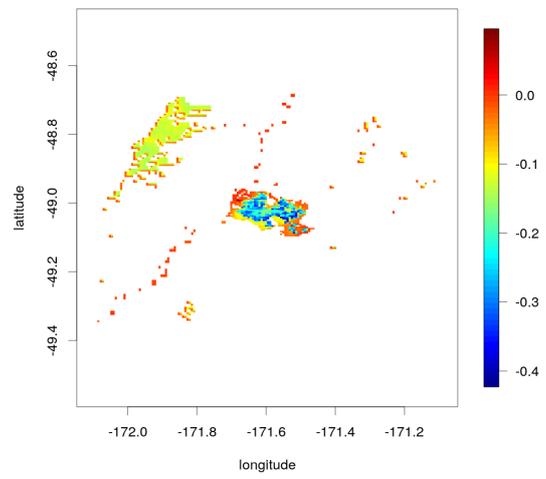


**mehr Vegetation**

Simulation



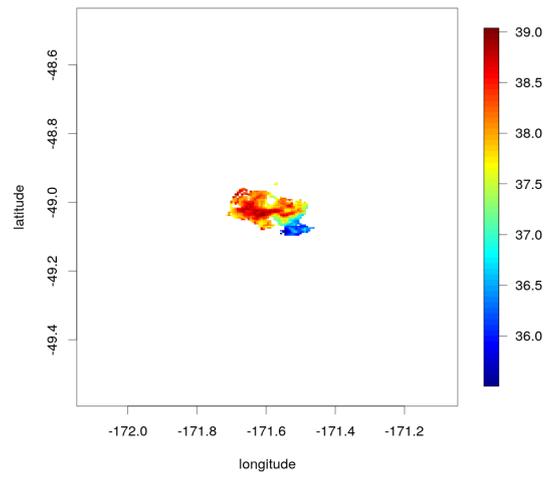
Änderung



## 7.2 2 m Maximumstemperatur

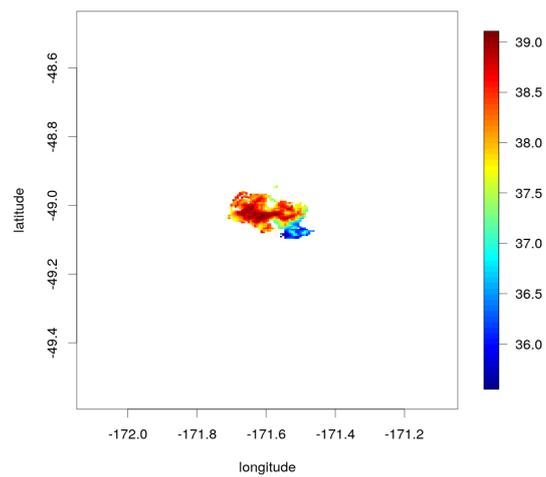
### Ist-Zustand

Simulation

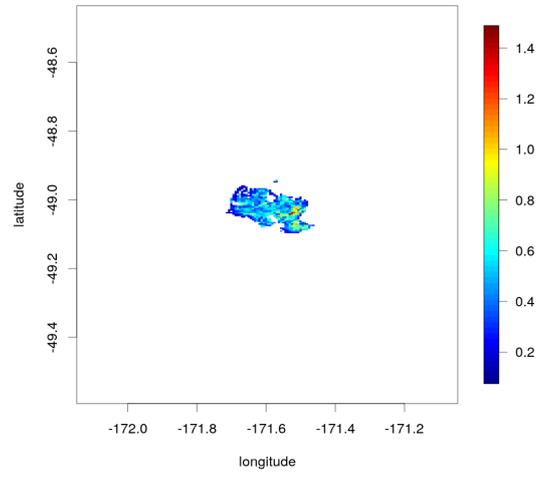


### weniger Vegetation

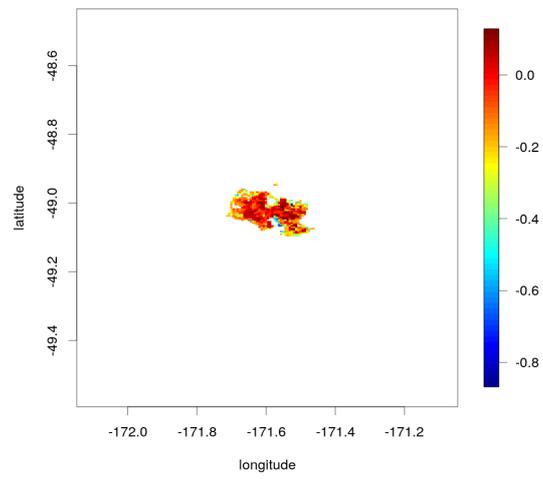
Simulation



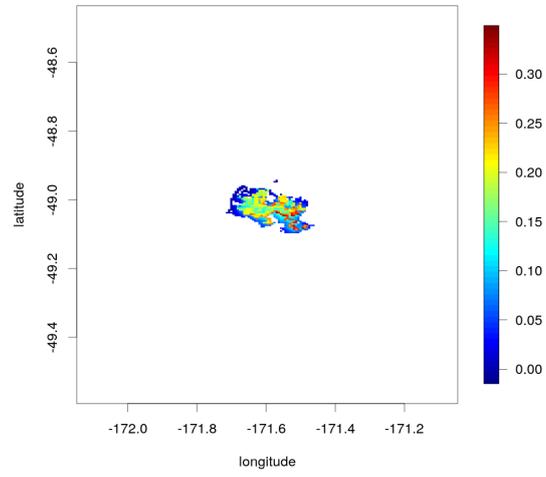
Änderung (cdo timmax)



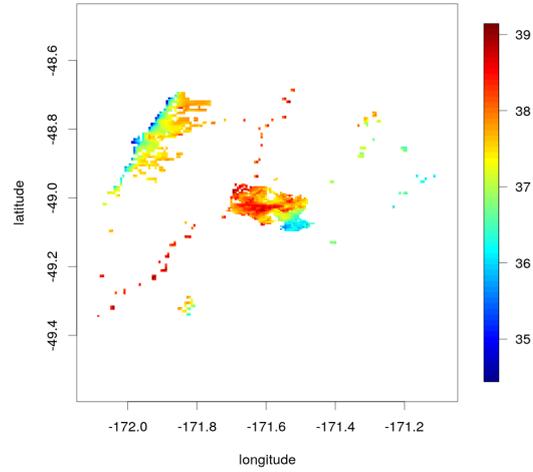
Änderung (cdo timmin)



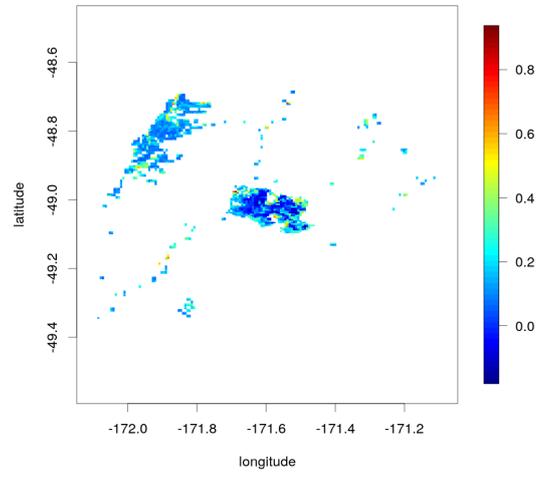
Änderung (cdo timavg)



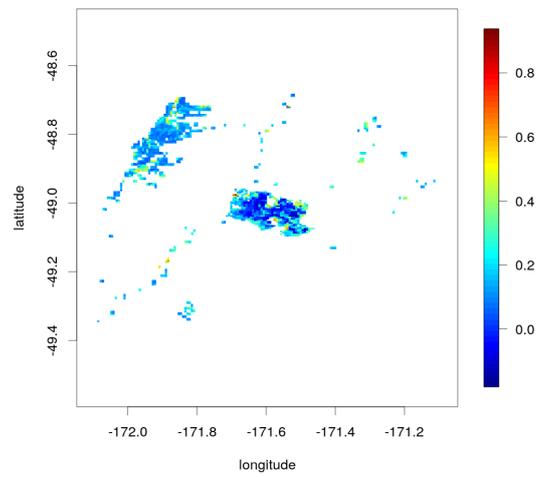
**mehr Vegetation**  
Simulation



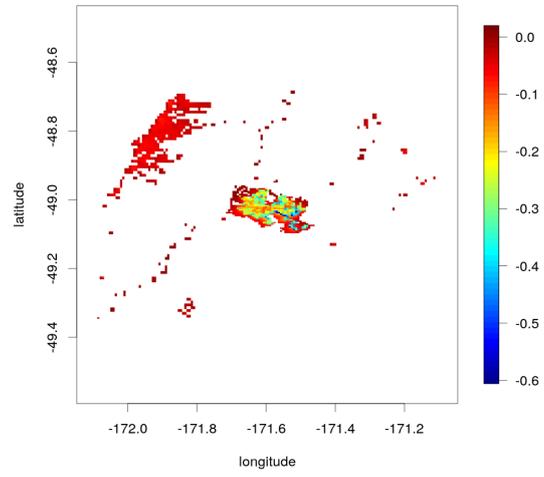
Änderung (cdo timmax)



Änderung (cdo timmin)



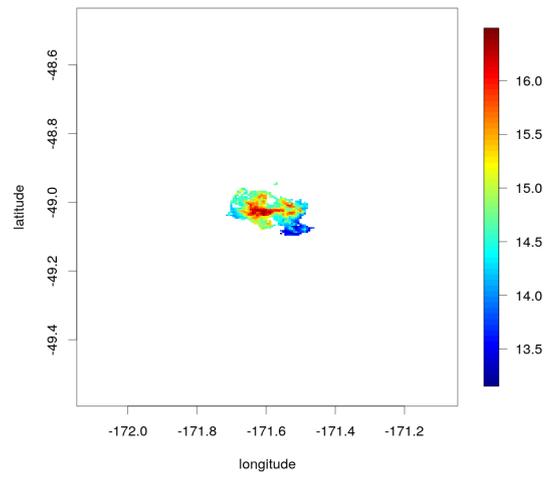
Änderung (cdo timavg)



### 7.3 2 m Minimumstemperatur

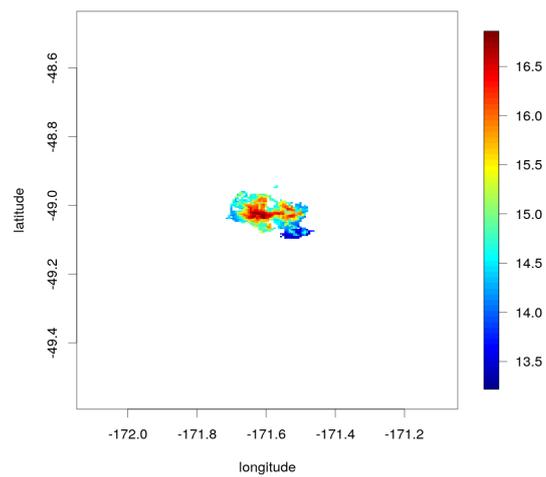
#### Ist-Zustand

Simulation

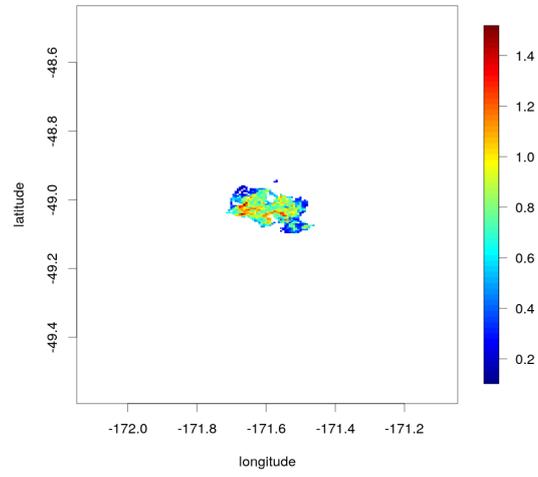


#### weniger Vegetation

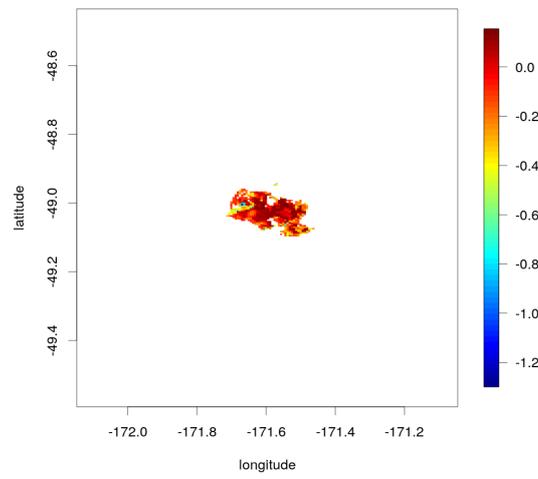
Simulation



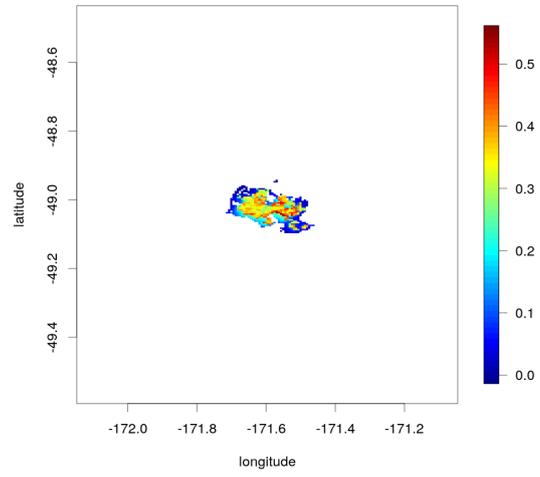
Änderung (cdo timmax)



Änderung (cdo timmin)

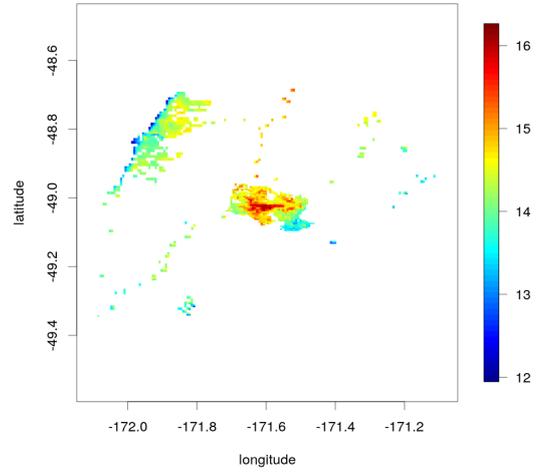


Änderung (cdo timavg)

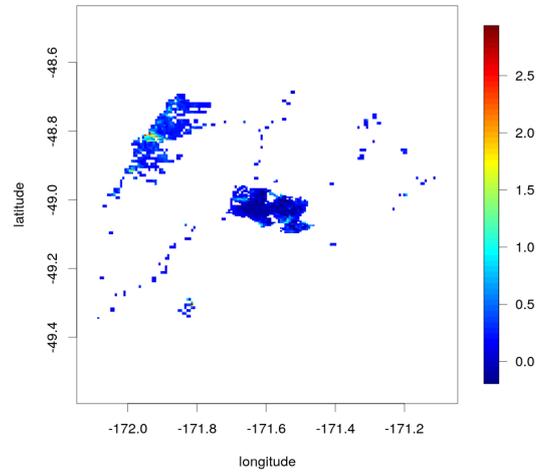


**mehr Vegetation**

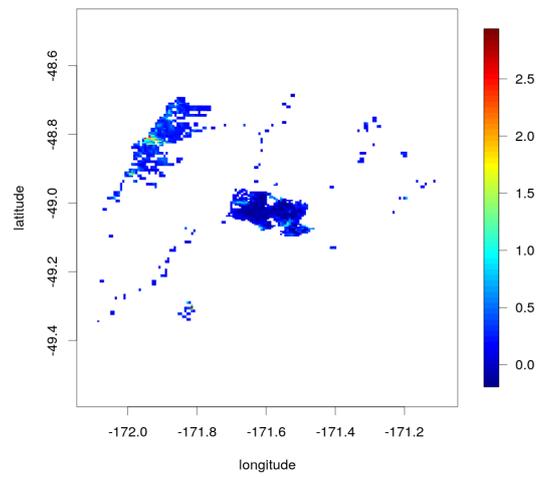
Simulation



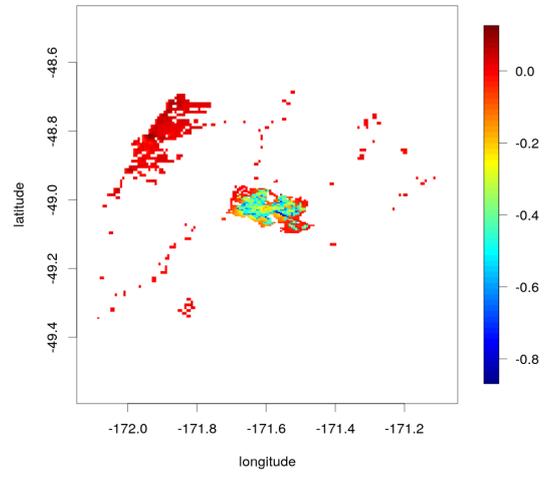
Änderung (cdo timmax)



Änderung (cdo timmin)



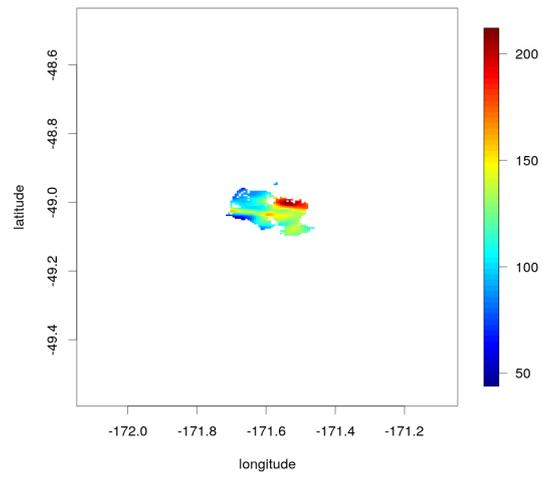
Änderung (cdo timavg)



## 7.4 Niederschlag

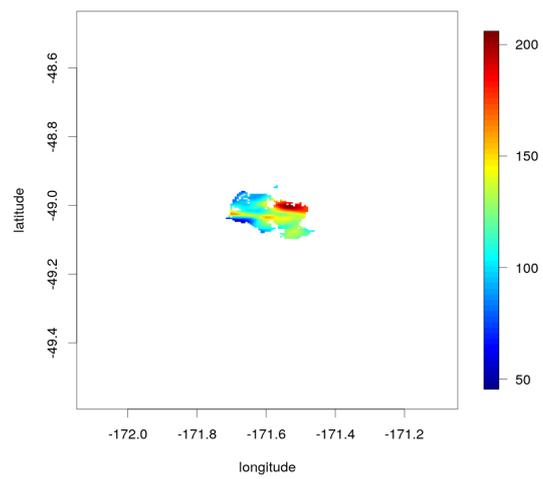
### Ist-Zustand

Simulation

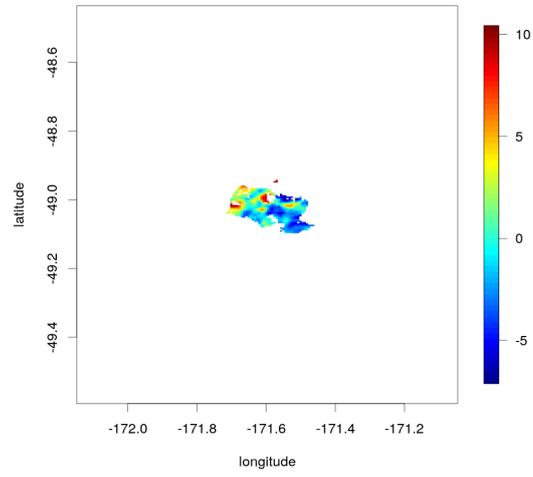


### weniger Vegetation

Simulation

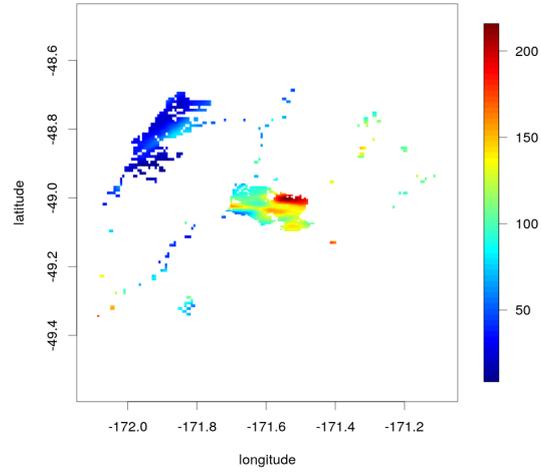


Änderung

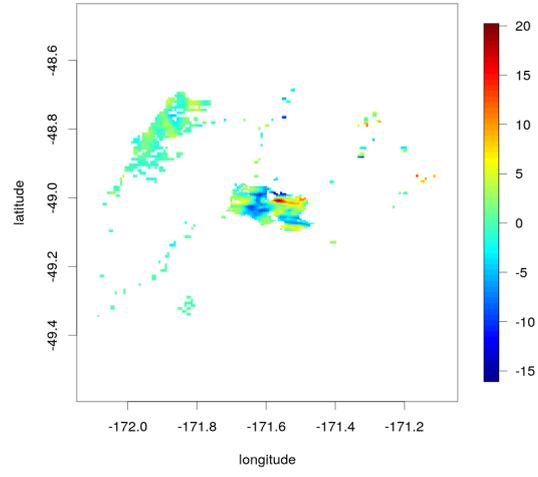


**mehr Vegetation**

Simulation



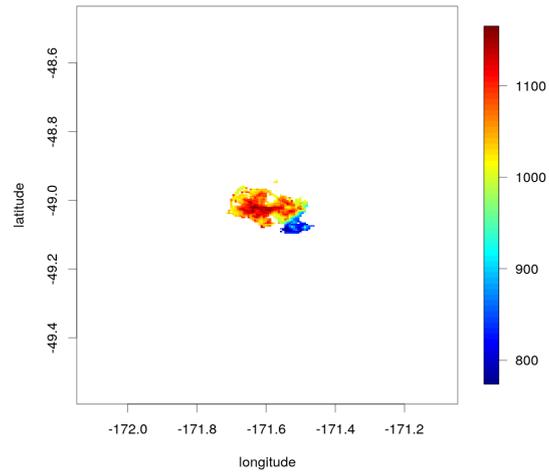
Änderung



## 7.5 Stunden über 25 °C

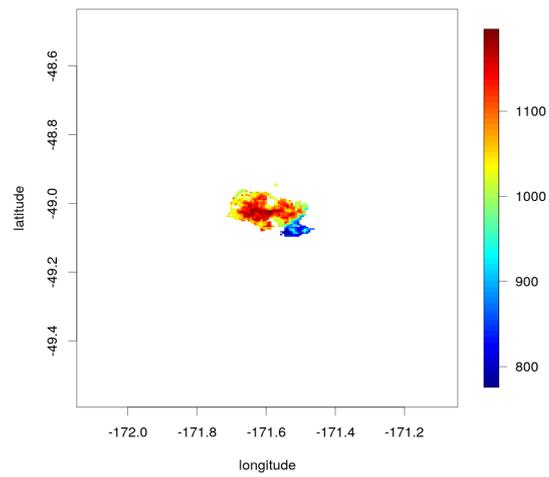
Ist-Zustand

Simulation

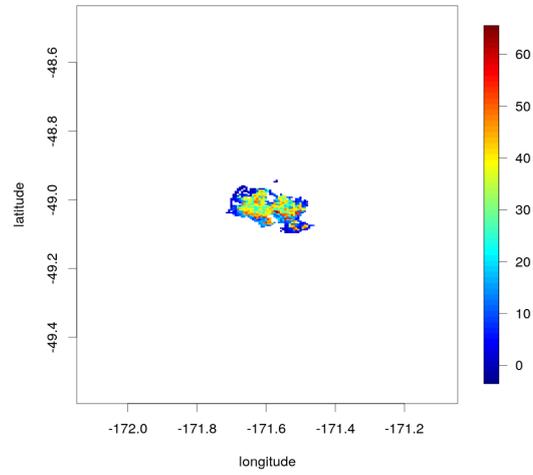


weniger Vegetation

Simulation

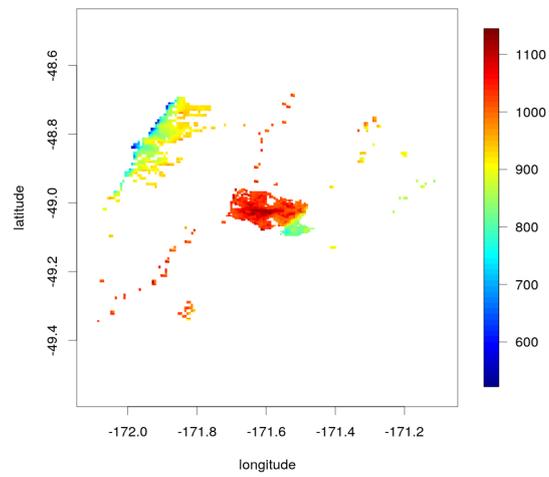


Änderung

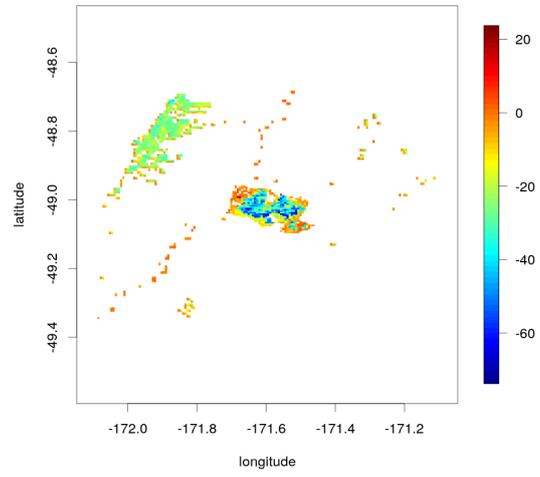


**mehr Vegetation**

Simulation



Änderung

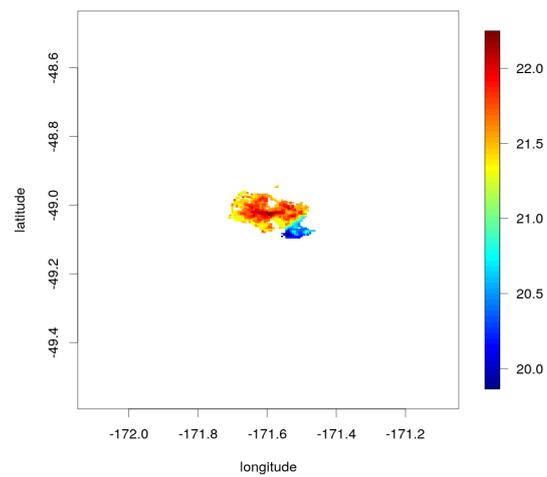


## 8 Karlsruhe (2012)

### 8.1 2 m Durchschnittstemperatur

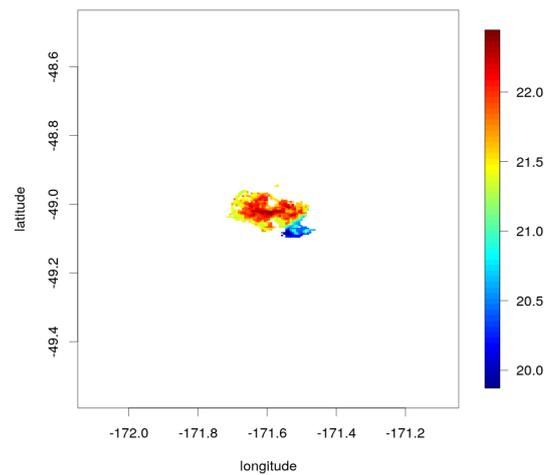
Ist-Zustand

Simulation

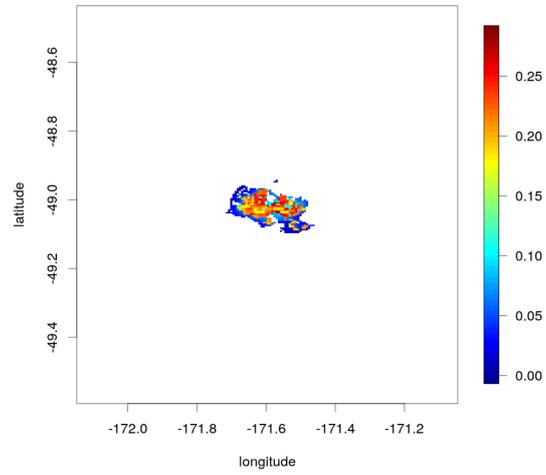


weniger Vegetation

Simulation

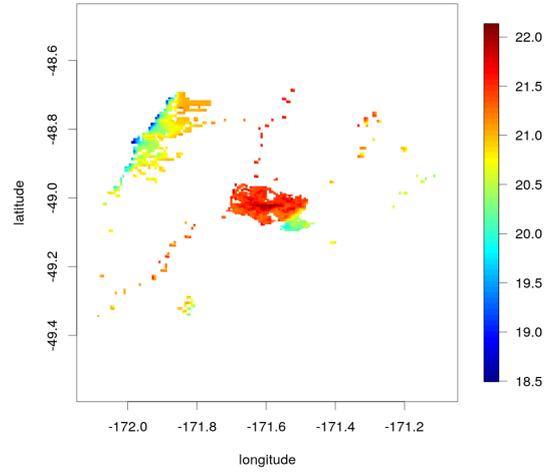


Änderung

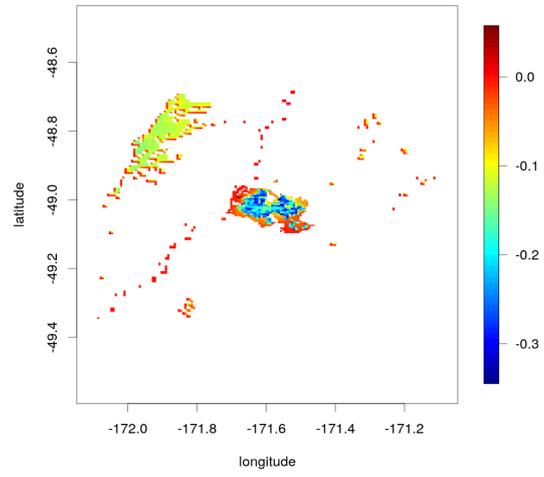


**mehr Vegetation**

Simulation



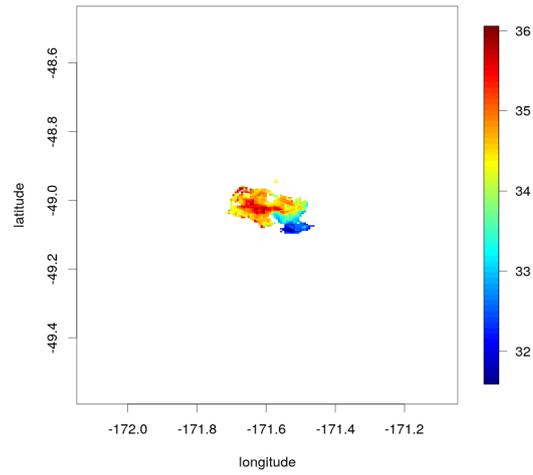
Änderung



## 8.2 2 m Maximumstemperatur

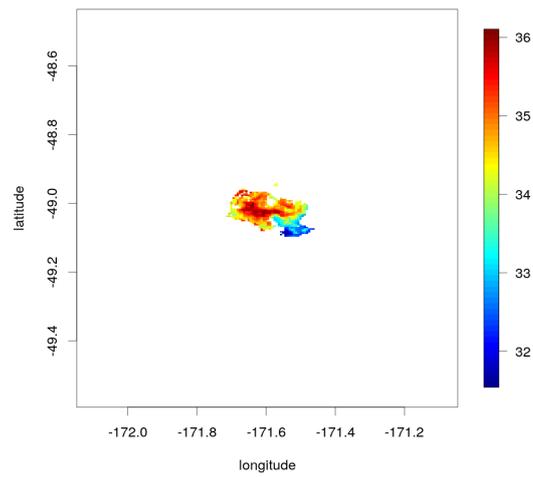
Ist-Zustand

Simulation

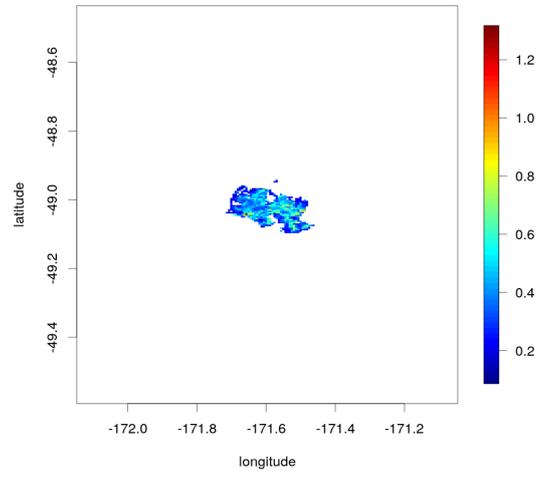


weniger Vegetation

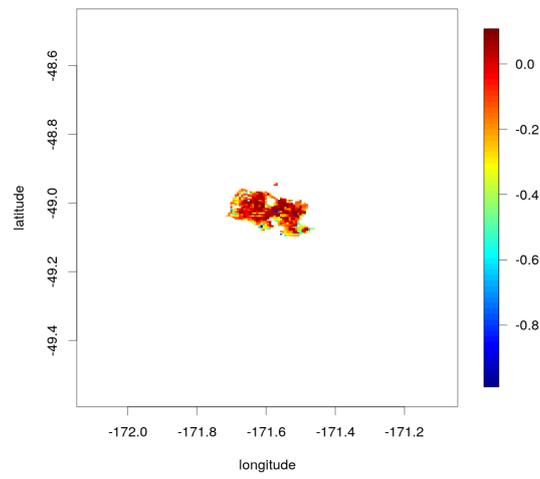
Simulation



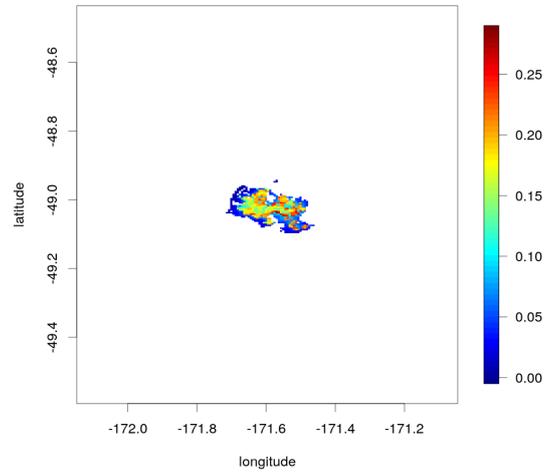
Änderung (cdo timmax)



Änderung (cdo timmin)

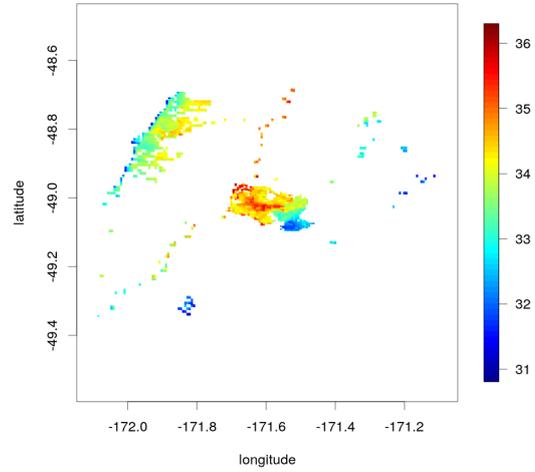


Änderung (cdo timavg)

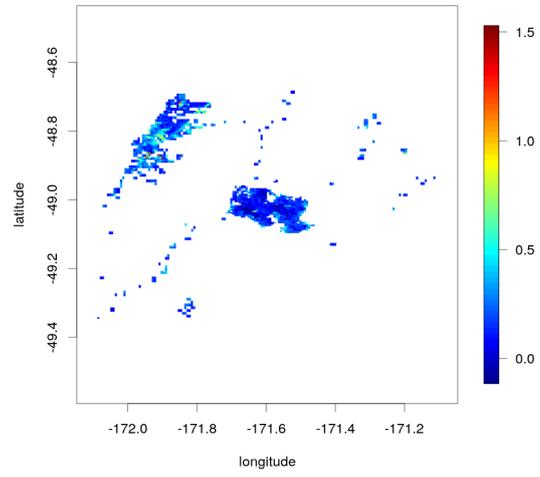


**mehr Vegetation**

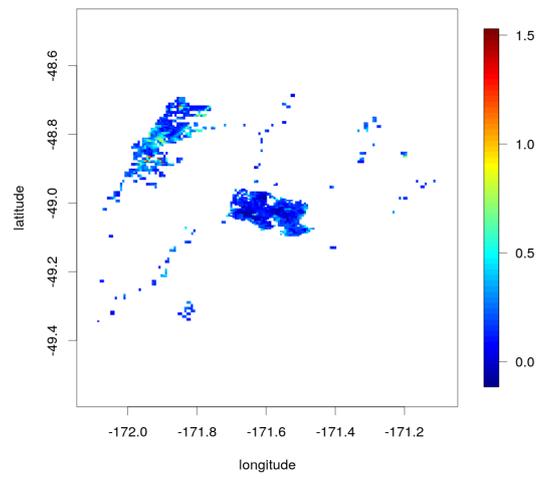
Simulation



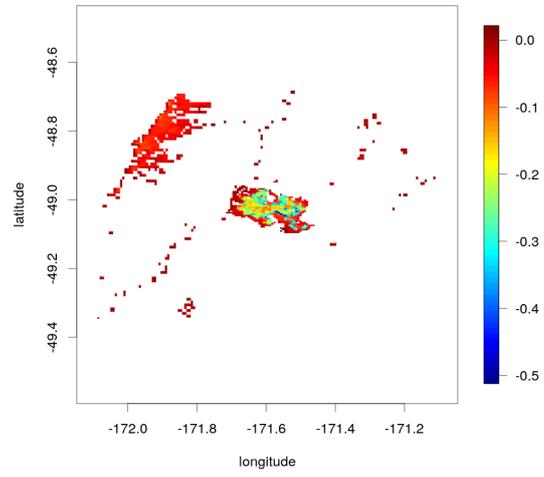
Änderung (cdo timmax)



Änderung (cdo timmin)



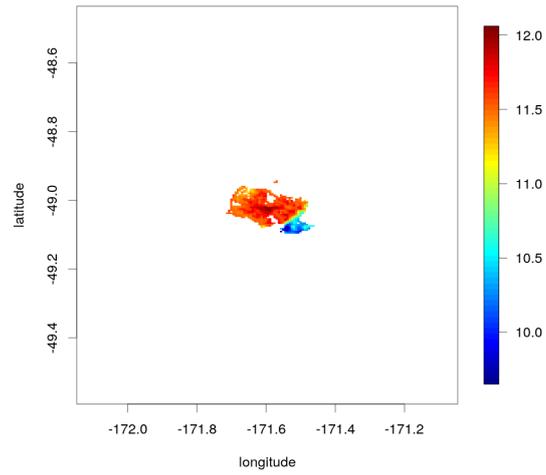
Änderung (cdo timavg)



### 8.3 2 m Minimumstemperatur

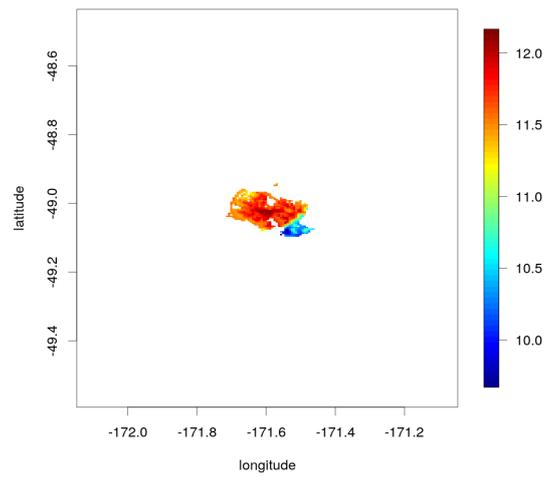
Ist-Zustand

Simulation

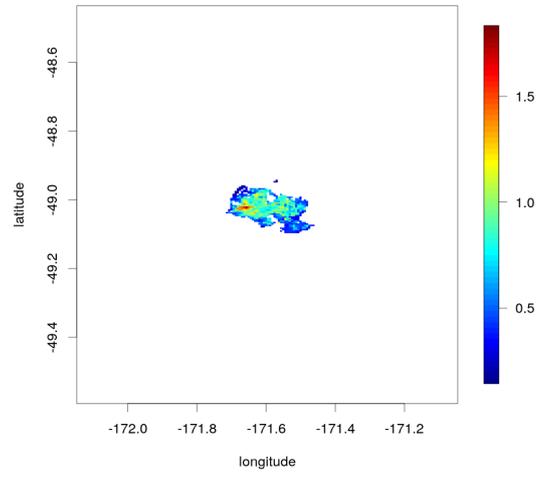


weniger Vegetation

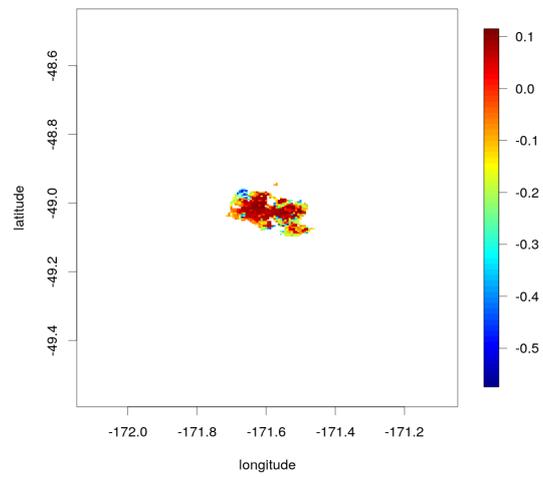
Simulation



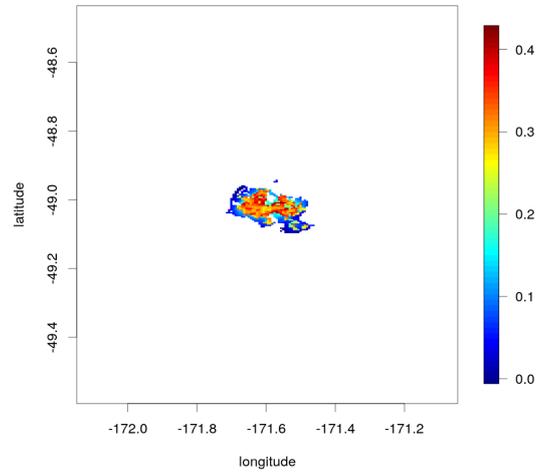
Änderung (cdo timmax)



Änderung (cdo timmin)

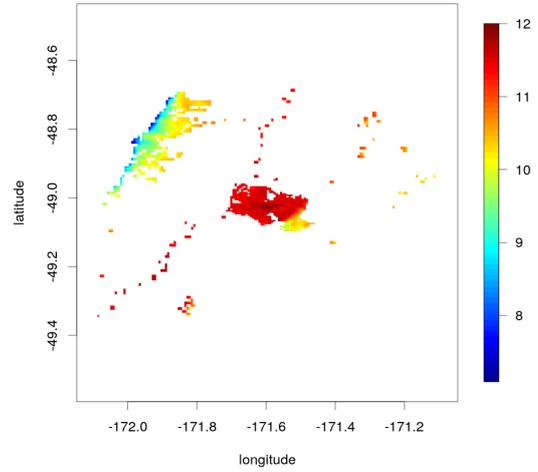


Änderung (cdo timavg)

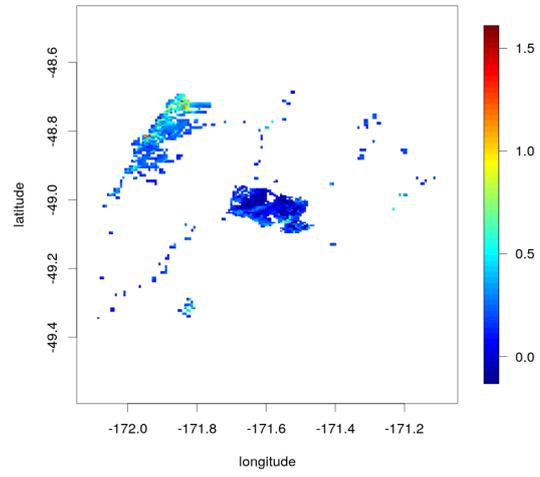


**mehr Vegetation**

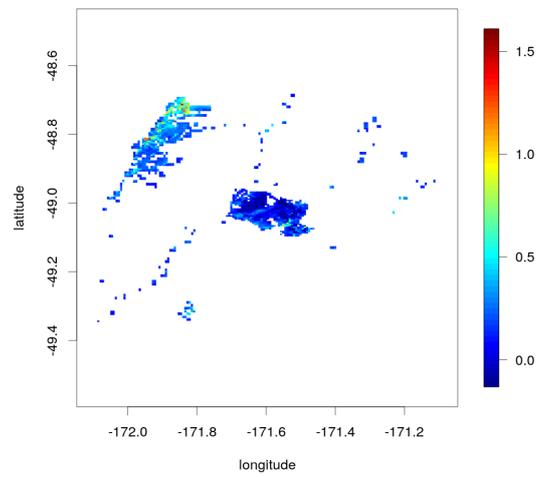
Simulation



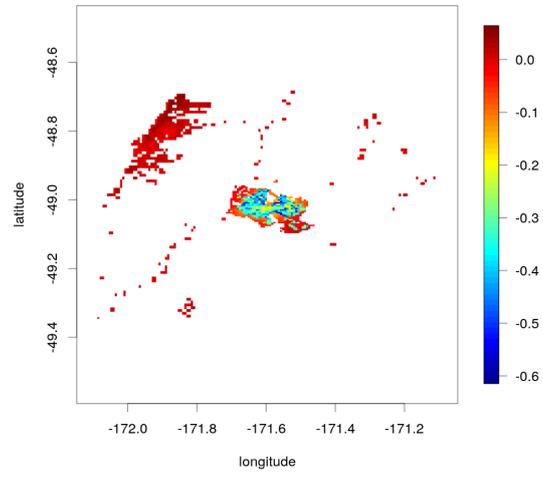
Änderung (cdo timmax)



Änderung (cdo timmin)



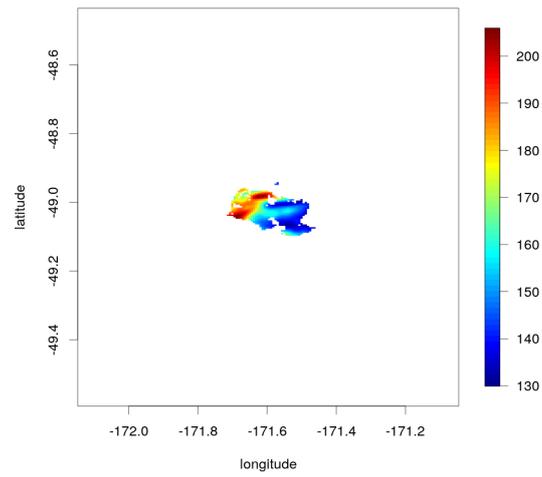
Änderung (cdo timavg)



## 8.4 Niederschlag

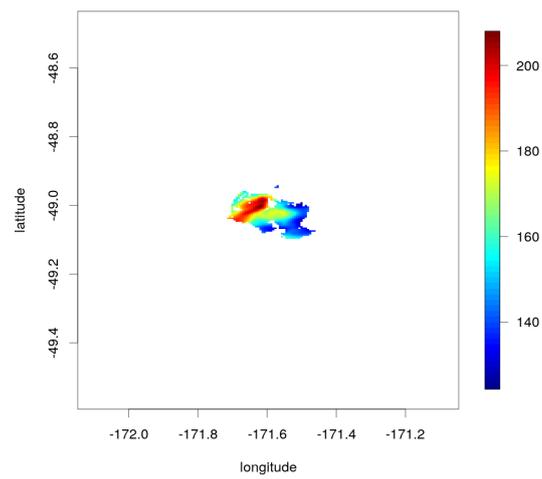
Ist-Zustand

Simulation

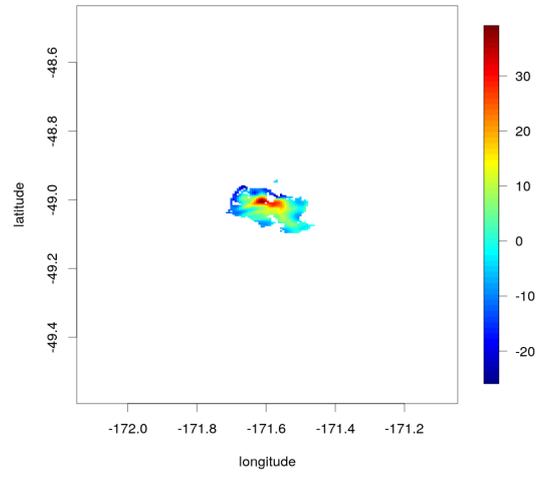


weniger Vegetation

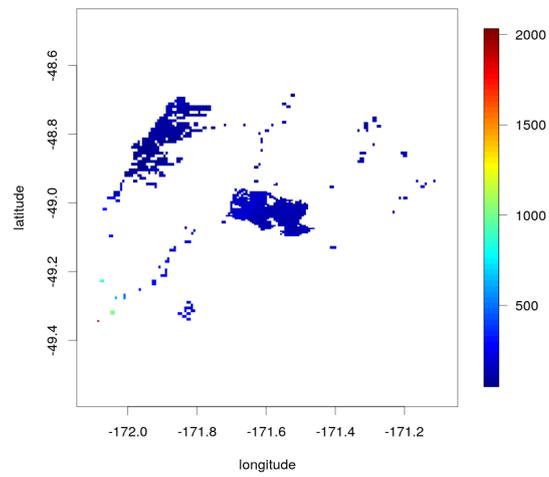
Simulation



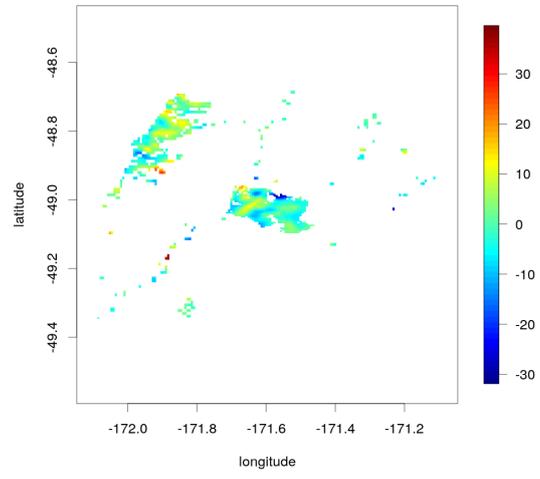
Änderung



**mehr Vegetation**  
Simulation



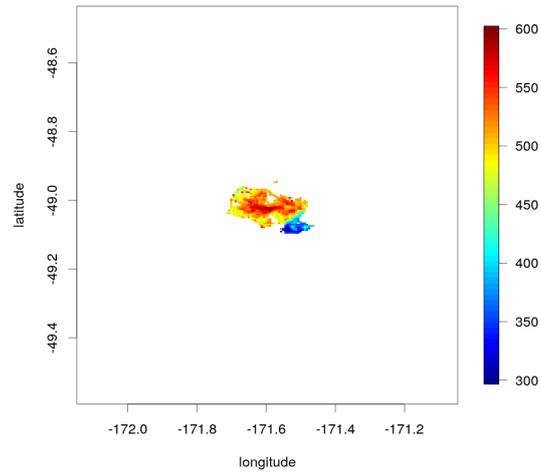
Änderung



## 8.5 Stunden über 25 °C

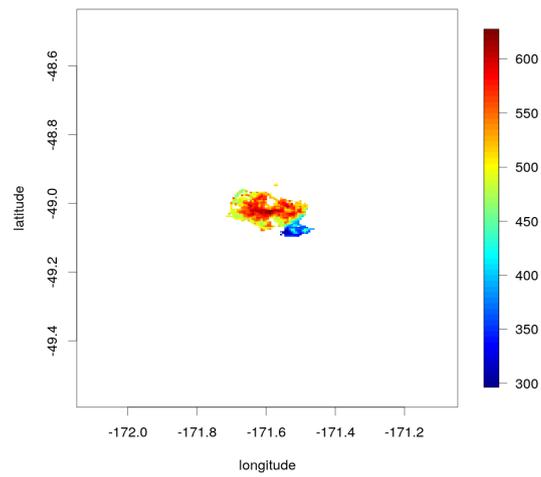
Ist-Zustand

Simulation

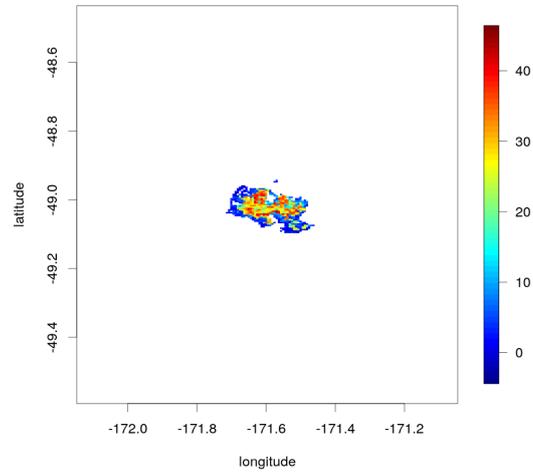


weniger Vegetation

Simulation

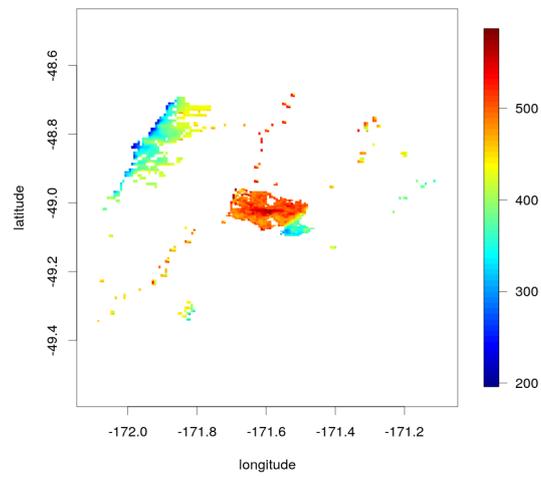


Änderung

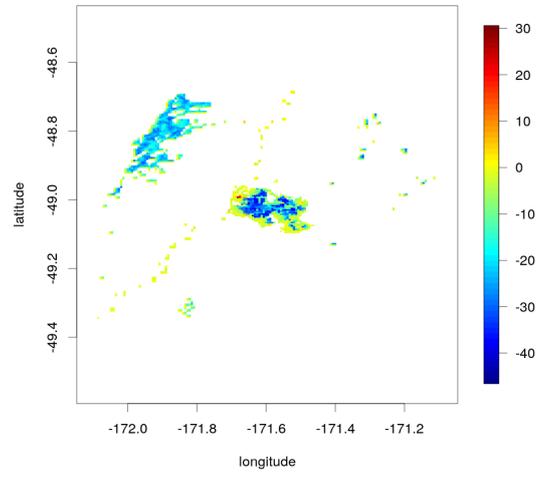


**mehr Vegetation**

Simulation



Änderung

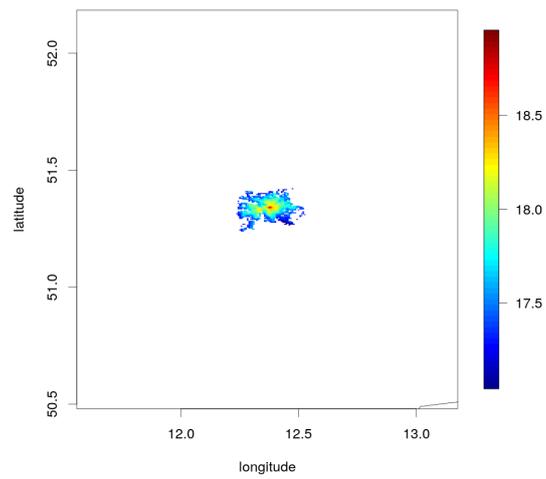


## 9 Leipzig (1980)

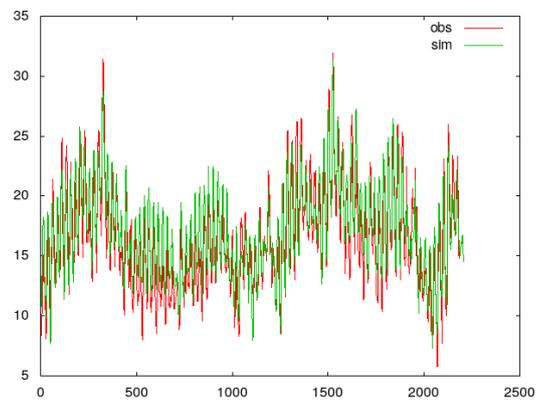
### 9.1 2 m Durchschnittstemperatur

Ist-Zustand

Simulation

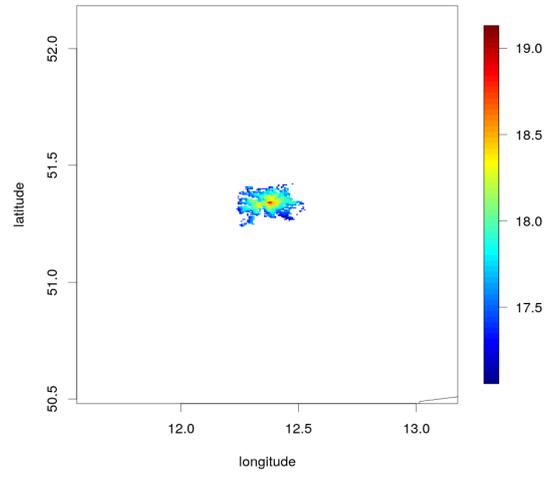


### Validierung (Messstation Leipzig/Halle)

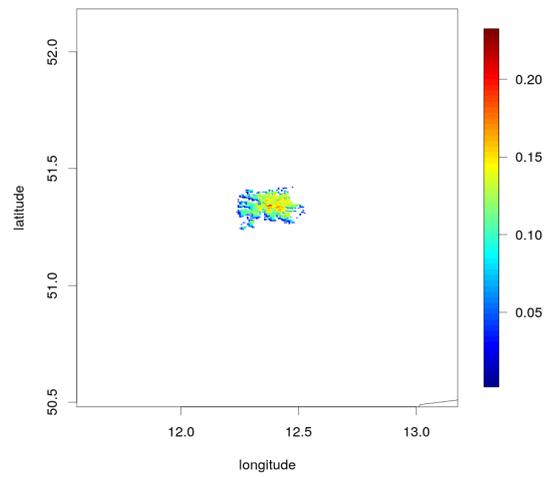


weniger Vegetation

Simulation

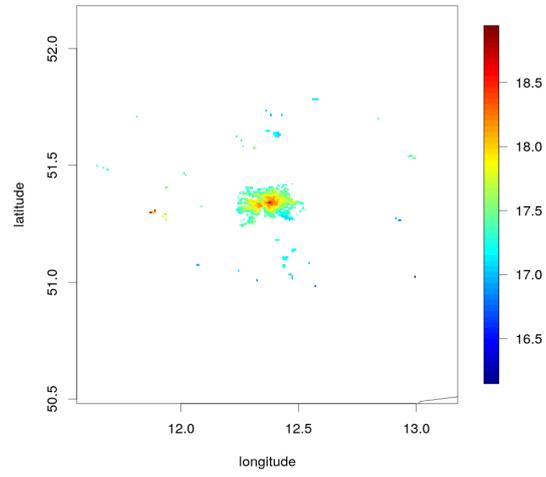


Änderung

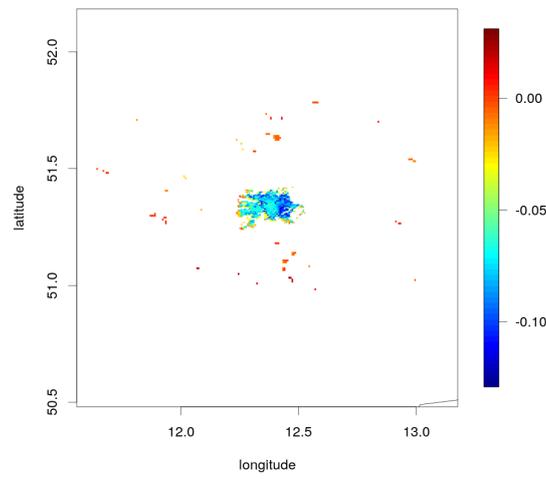


**mehr Vegetation**

Simulation



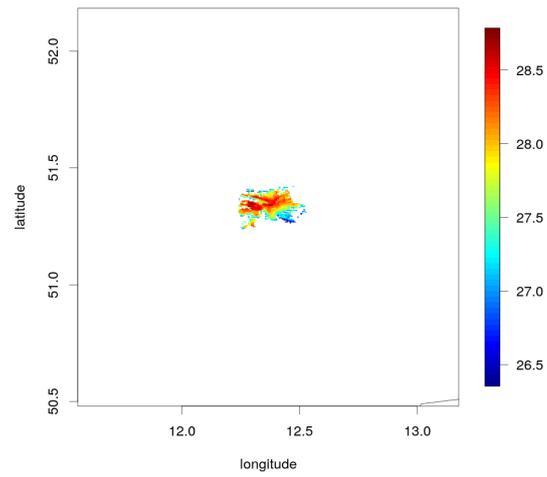
Änderung



## 9.2 2 m Maximumstemperatur

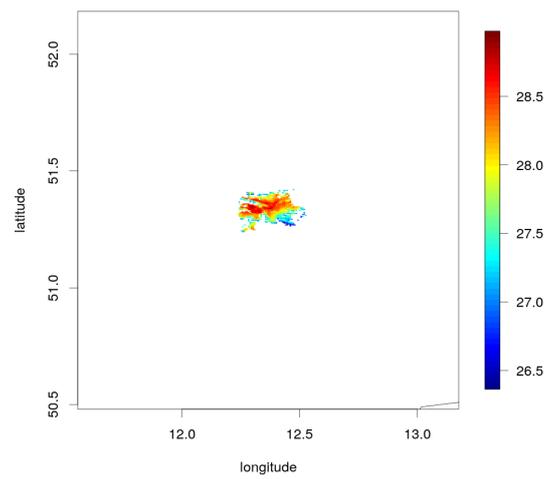
Ist-Zustand

Simulation

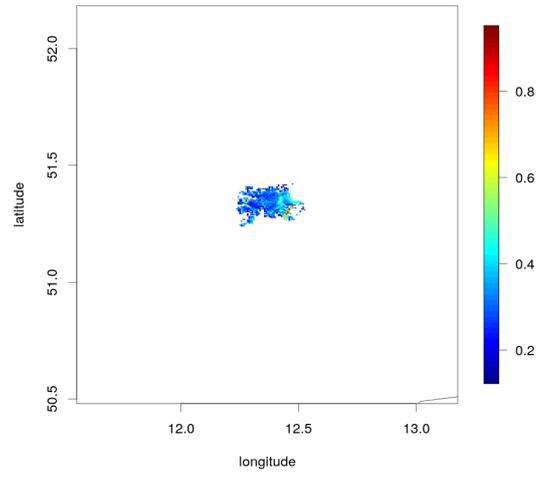


weniger Vegetation

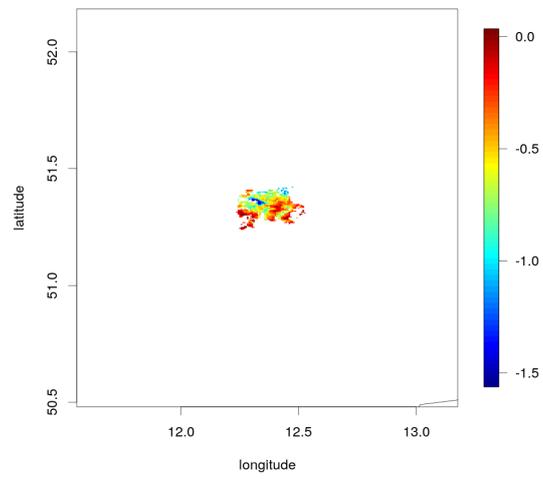
Simulation



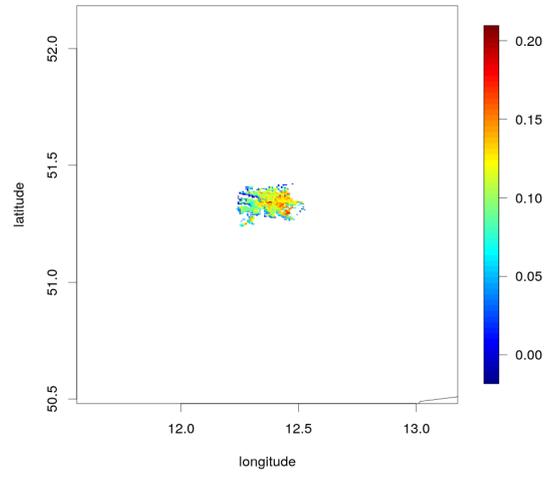
Änderung (cdo timmax)



Änderung (cdo timmin)

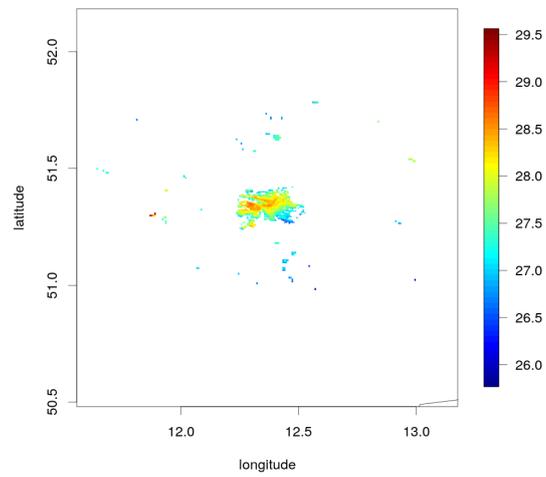


Änderung (cdo timavg)

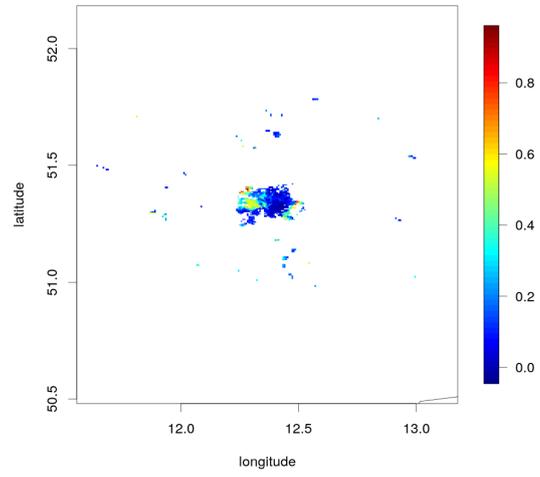


**mehr Vegetation**

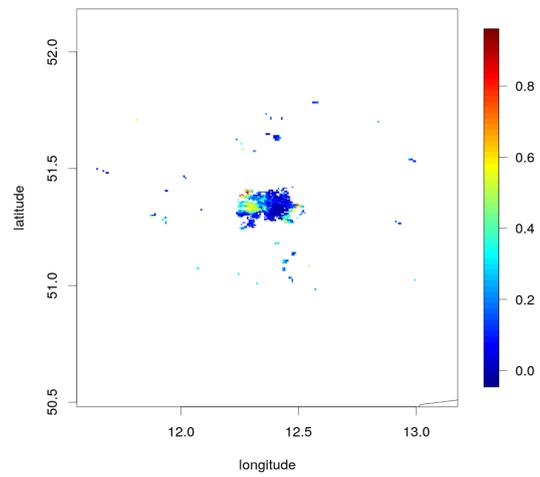
Simulation



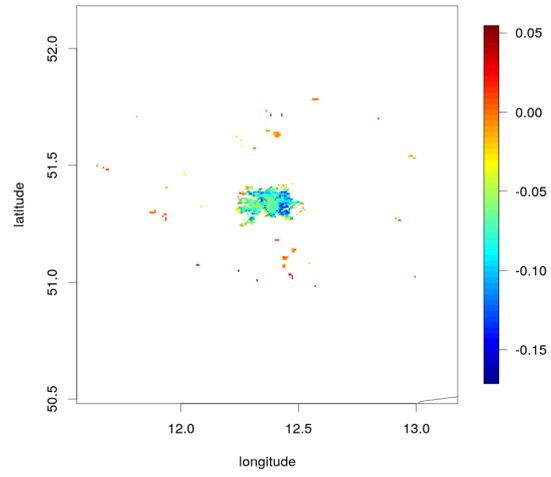
Änderung (cdo timmax)



Änderung (cdo timmin)



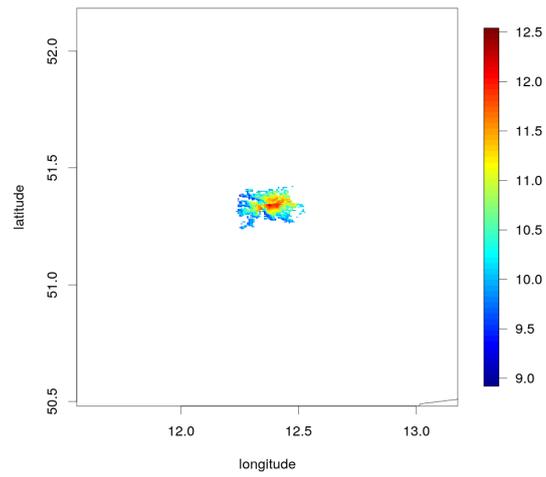
Änderung (cdo timavg)



### 9.3 2 m Minimumstemperatur

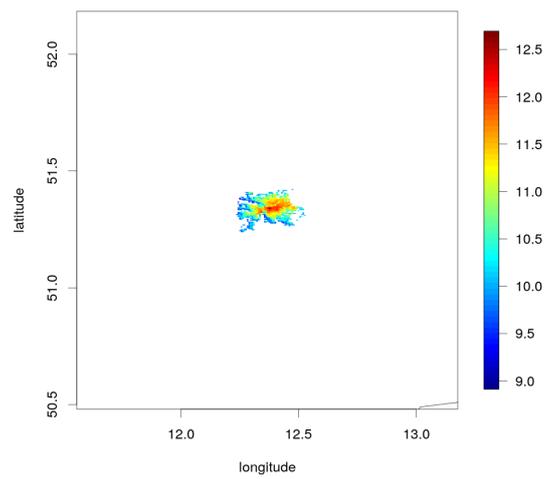
Ist-Zustand

Simulation

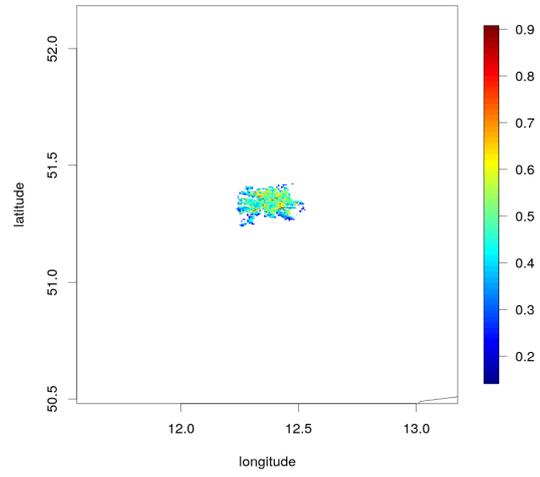


weniger Vegetation

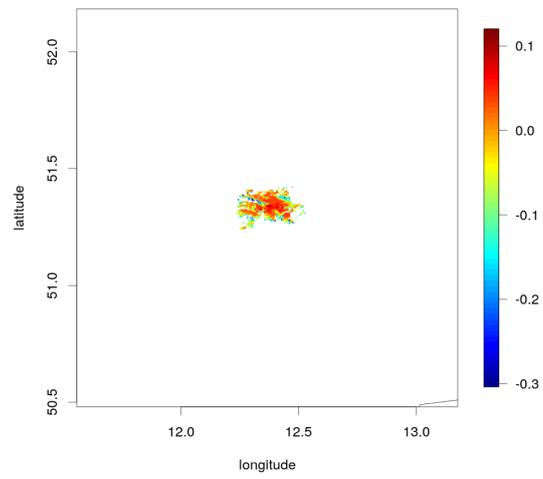
Simulation



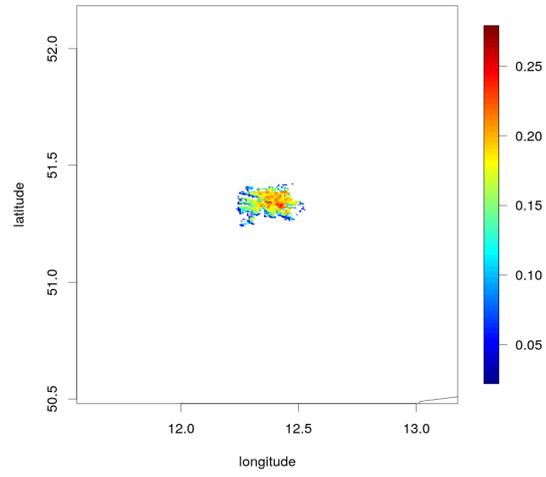
Änderung (cdo timmax)



Änderung (cdo timmin)

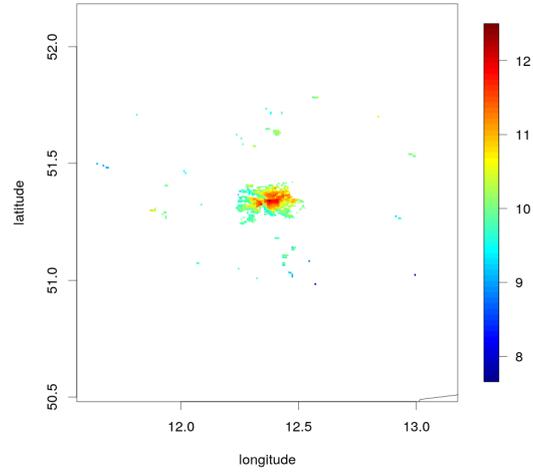


Änderung (cdo timavg)

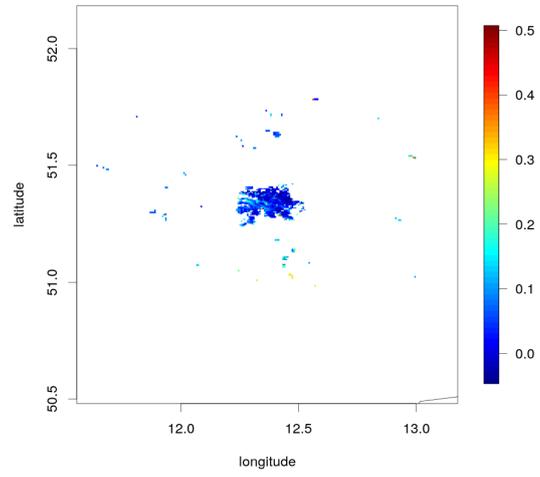


**mehr Vegetation**

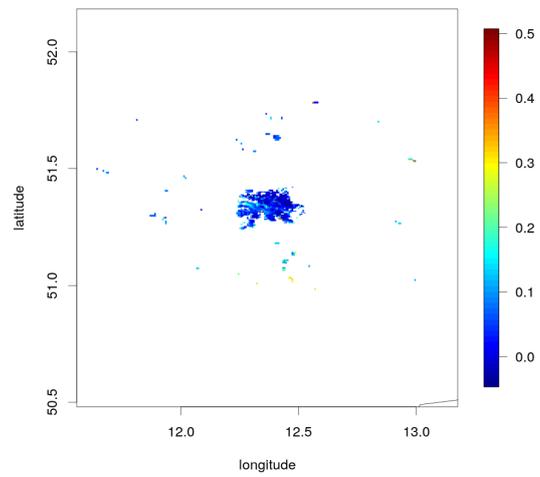
Simulation



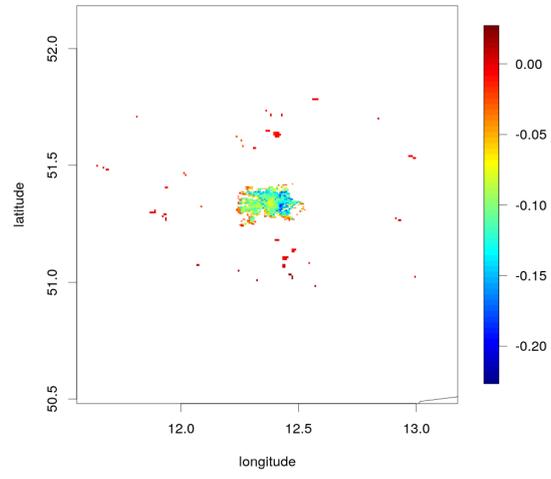
Änderung (cdo timmax)



Änderung (cdo timmin)



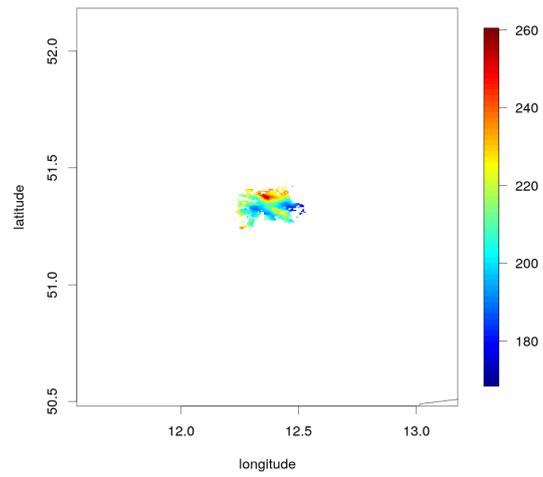
Änderung (cdo timavg)



## 9.4 Niederschlag

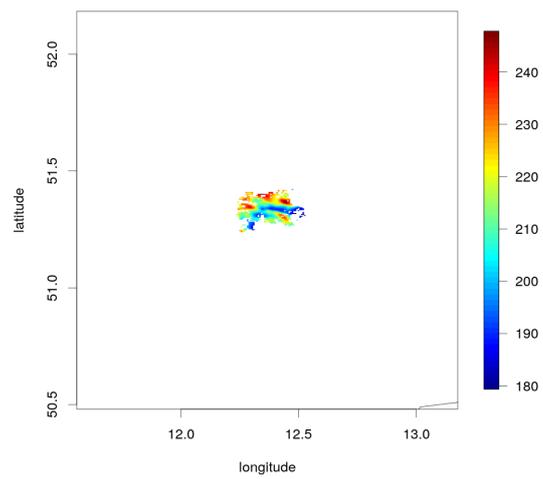
### Ist-Zustand

Simulation

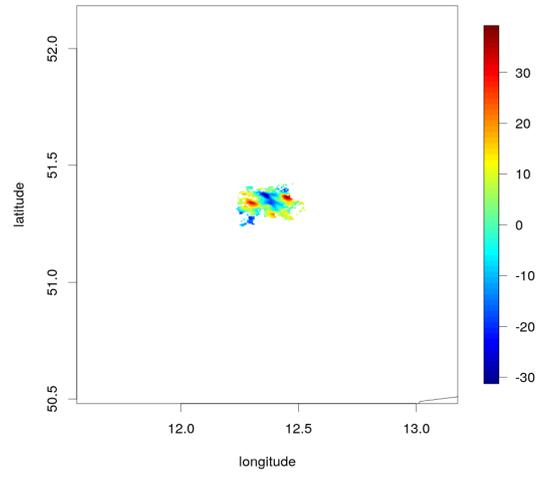


### weniger Vegetation

Simulation

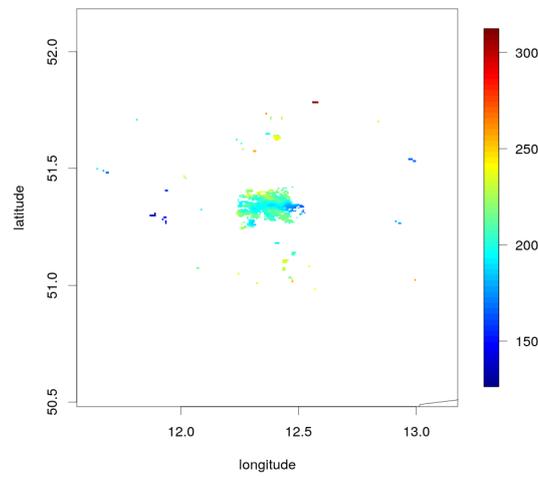


Änderung

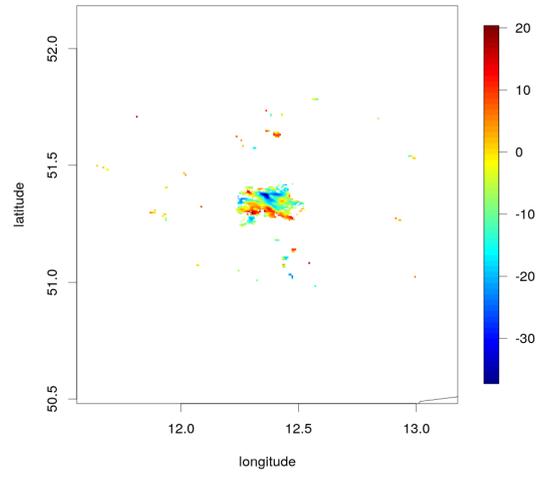


**mehr Vegetation**

Simulation



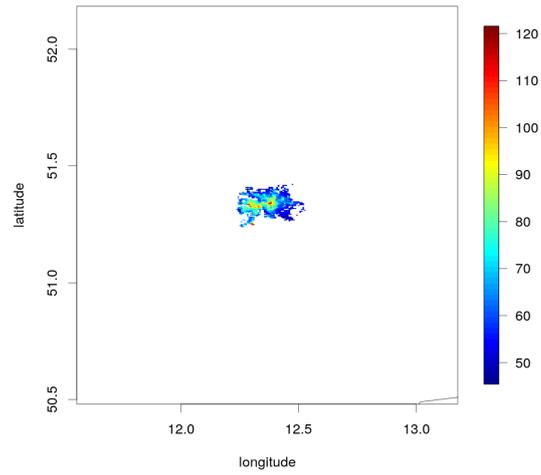
Änderung



## 9.5 Stunden über 25 °C

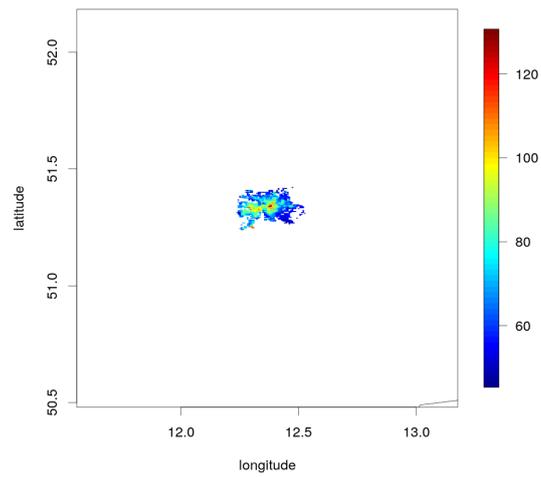
Ist-Zustand

Simulation

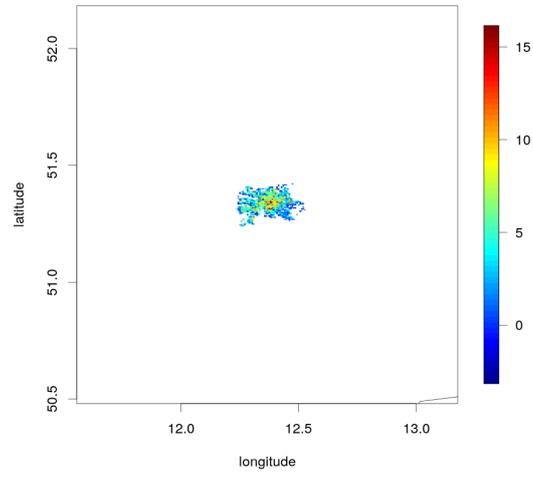


weniger Vegetation

Simulation

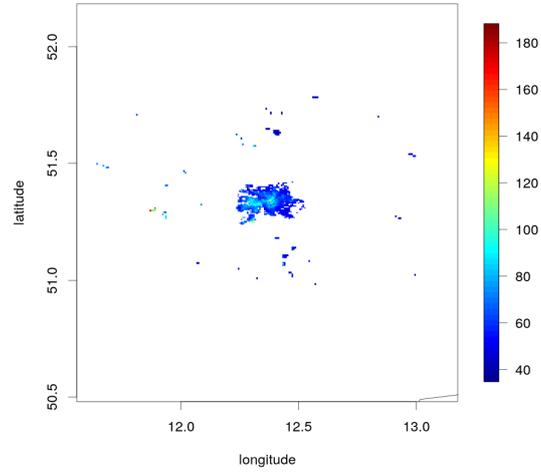


Änderung

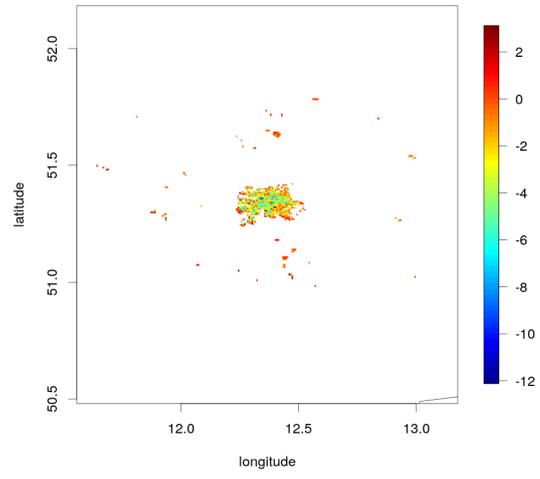


### **mehr Vegetation**

Simulation



Änderung

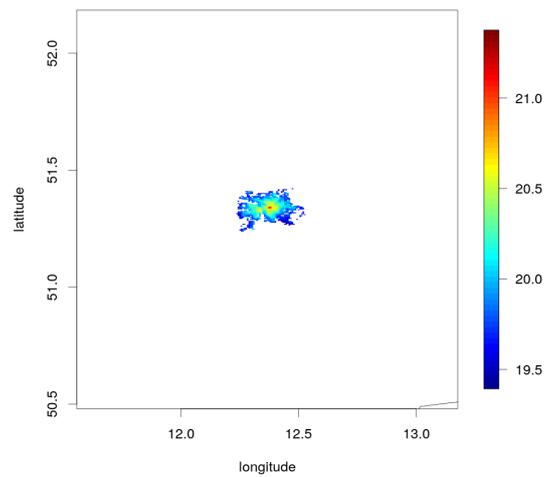


## 10 Leipzig (1989)

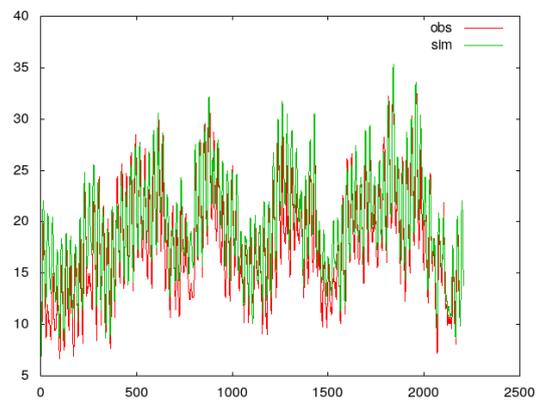
### 10.1 2 m Durchschnittstemperatur

Ist-Zustand

Simulation

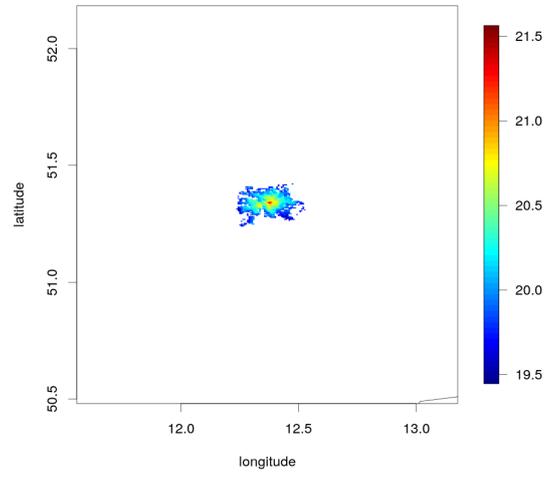


### Validierung (Messstation Leipzig/Halle)

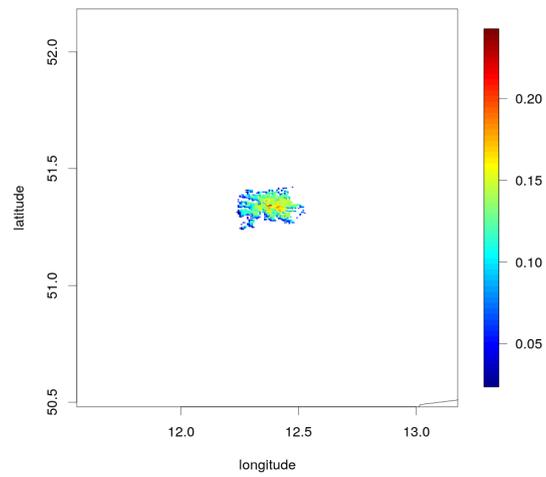


weniger Vegetation

Simulation

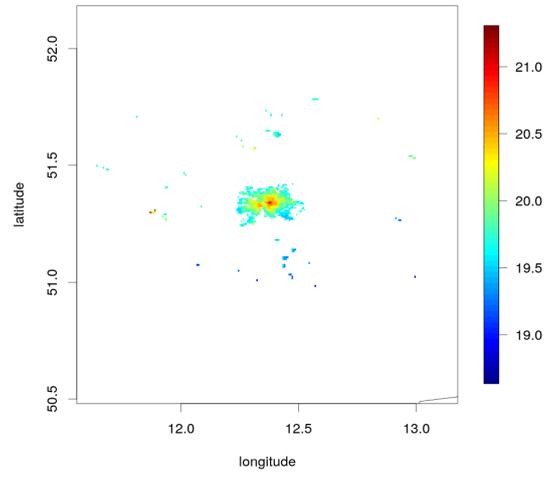


Änderung

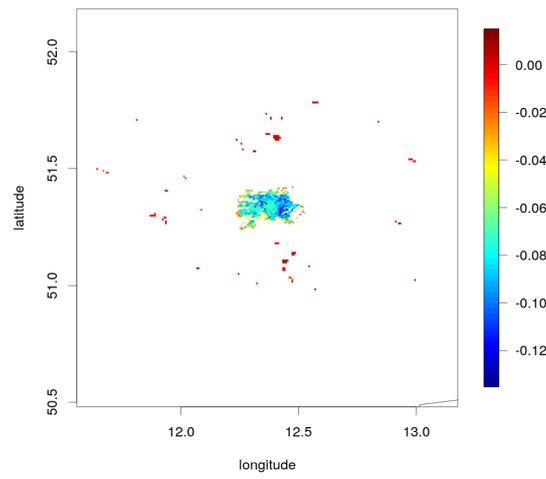


**mehr Vegetation**

Simulation



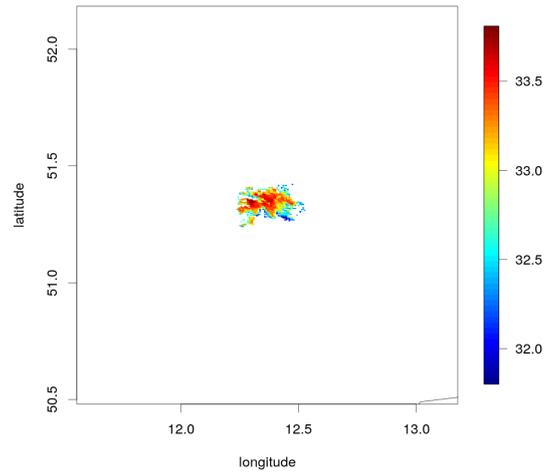
Änderung



## 10.2 2 m Maximumstemperatur

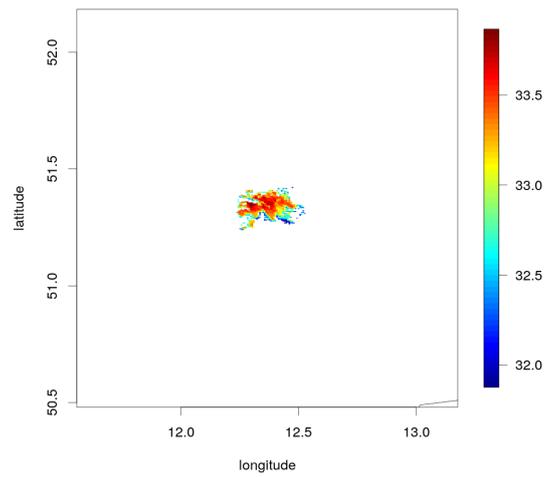
Ist-Zustand

Simulation

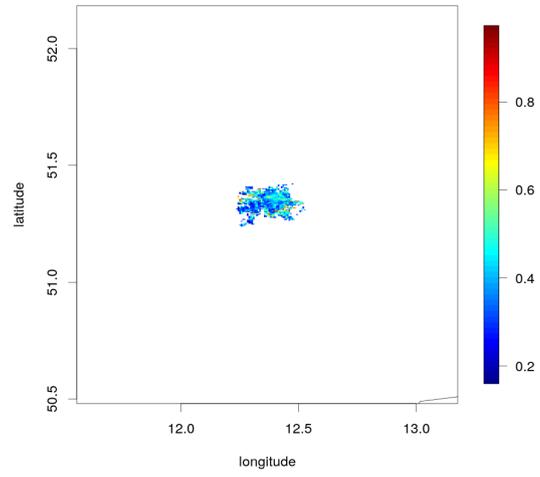


weniger Vegetation

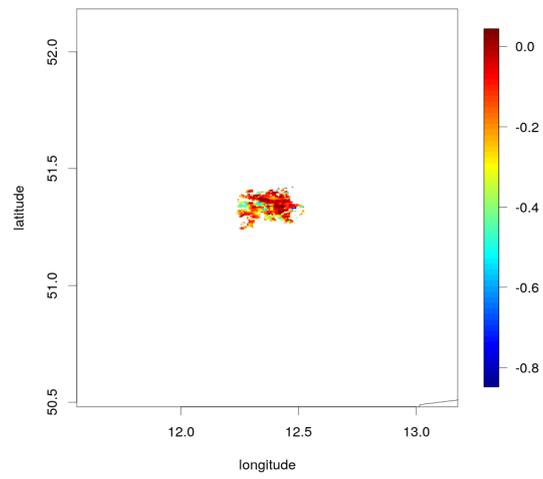
Simulation



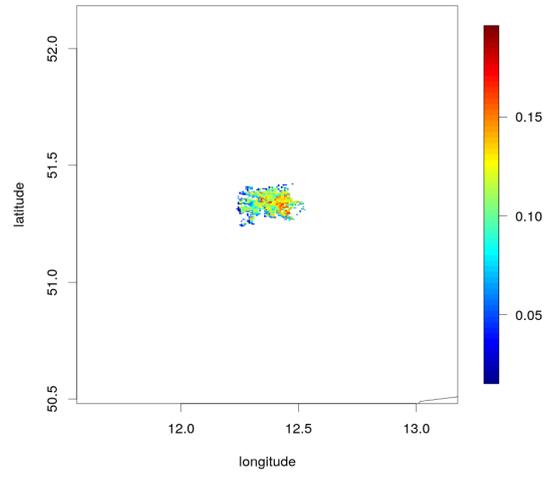
Änderung (cdo timmax)



Änderung (cdo timmin)

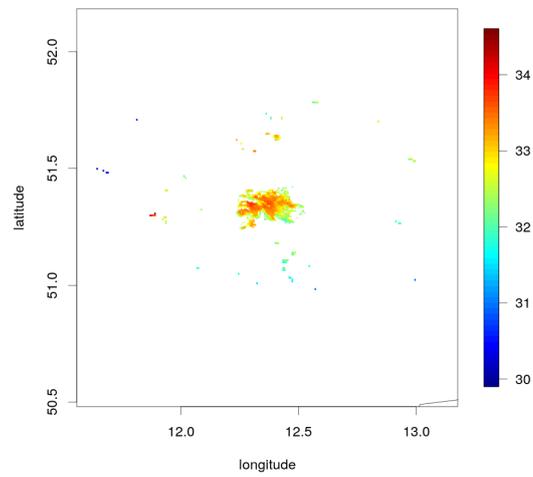


Änderung (cdo timavg)

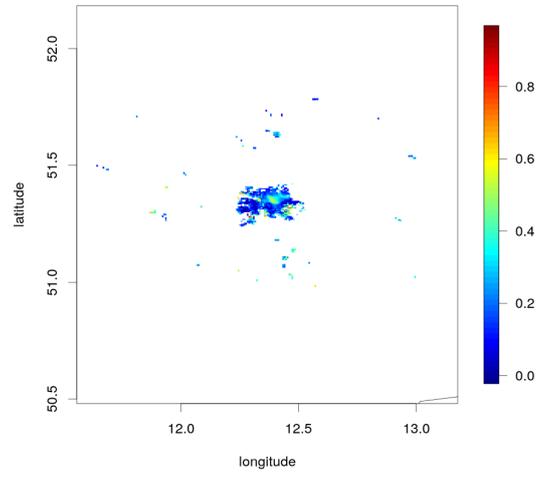


### **mehr Vegetation**

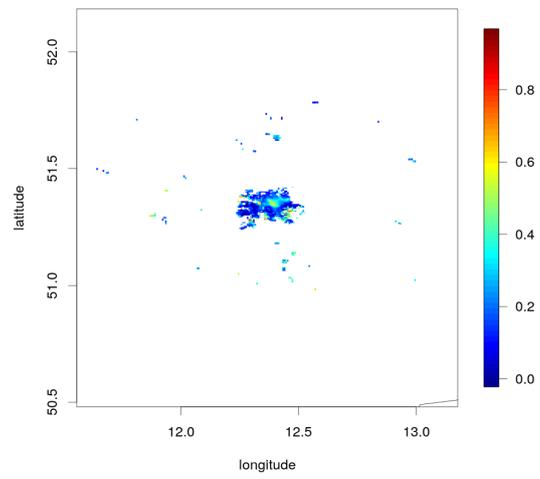
Simulation



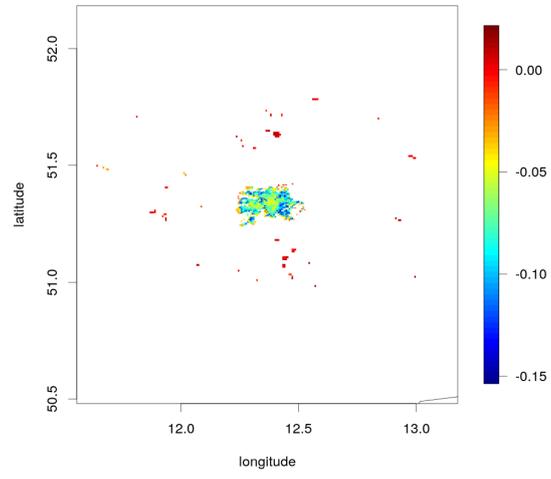
Änderung (cdo timmax)



Änderung (cdo timmin)



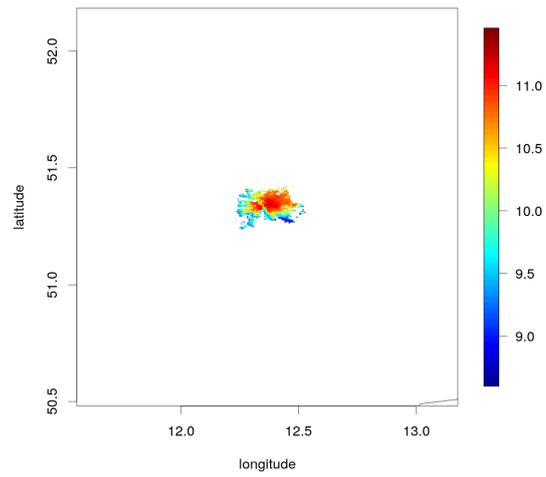
Änderung (cdo timavg)



### 10.3 2 m Minimumstemperatur

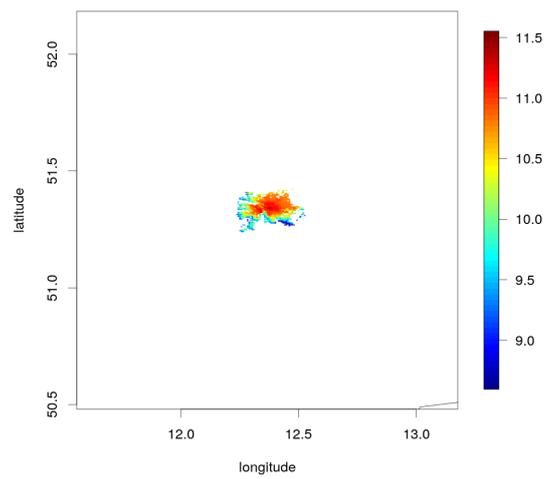
#### Ist-Zustand

Simulation

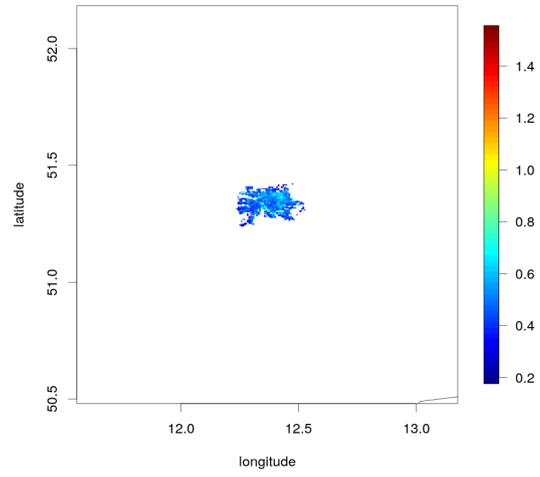


#### weniger Vegetation

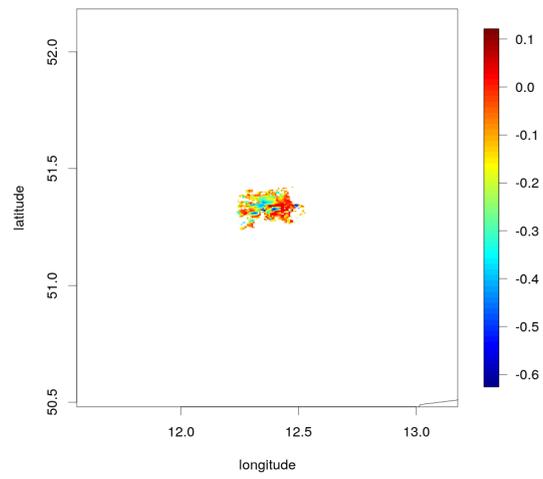
Simulation



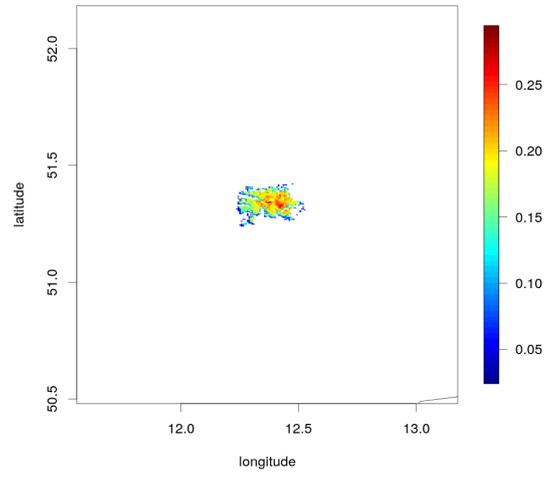
Änderung (cdo timmax)



Änderung (cdo timmin)

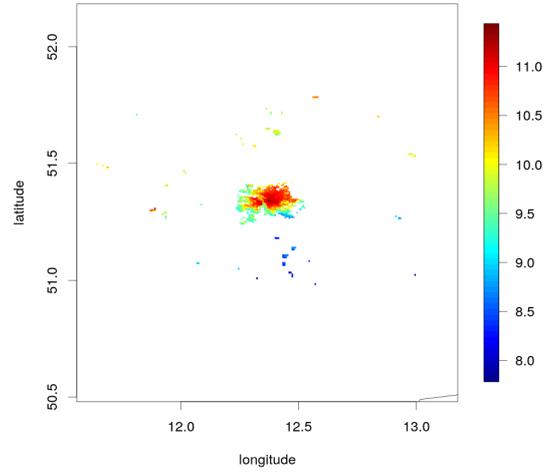


Änderung (cdo timavg)

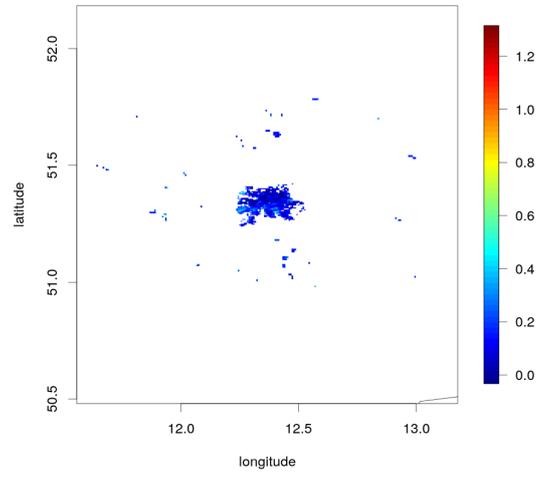


**mehr Vegetation**

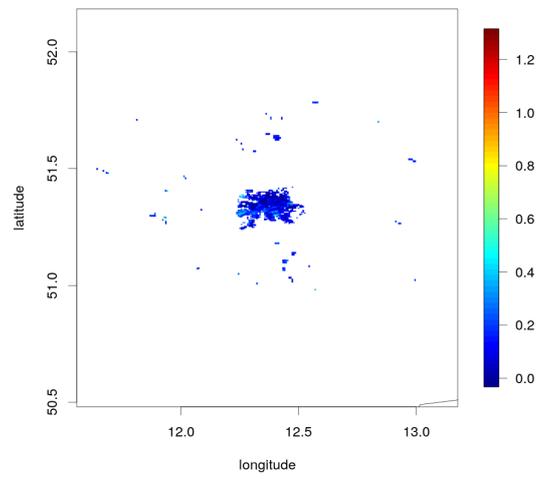
Simulation



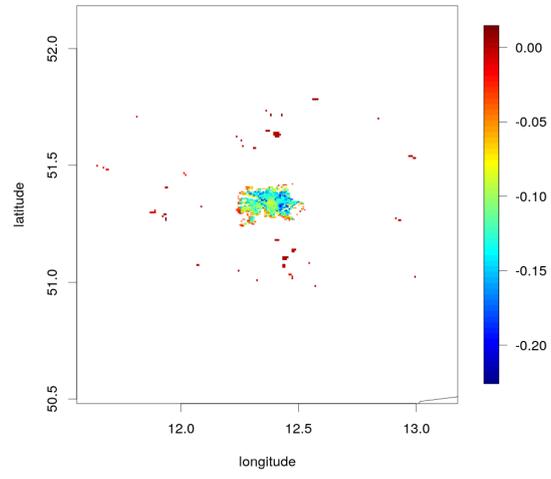
Änderung (cdo timmax)



Änderung (cdo timmin)



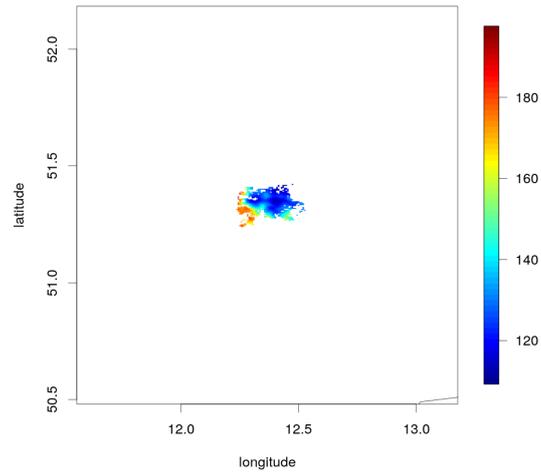
Änderung (cdo timavg)



## 10.4 Niederschlag

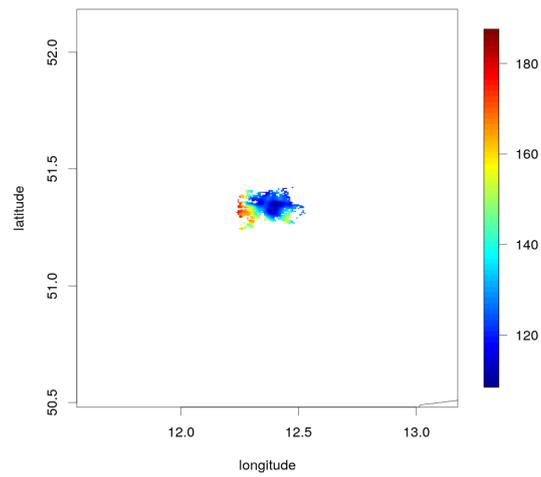
Ist-Zustand

Simulation

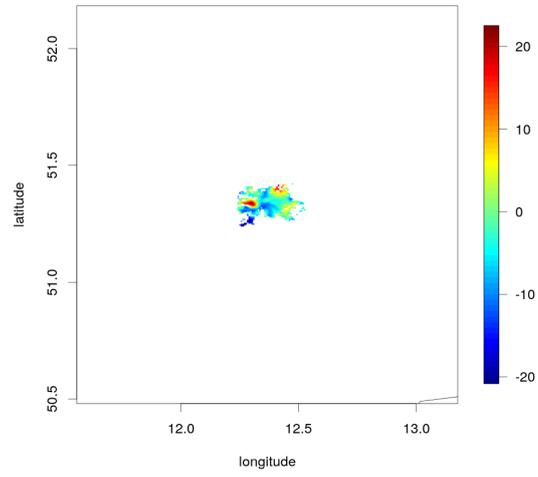


weniger Vegetation

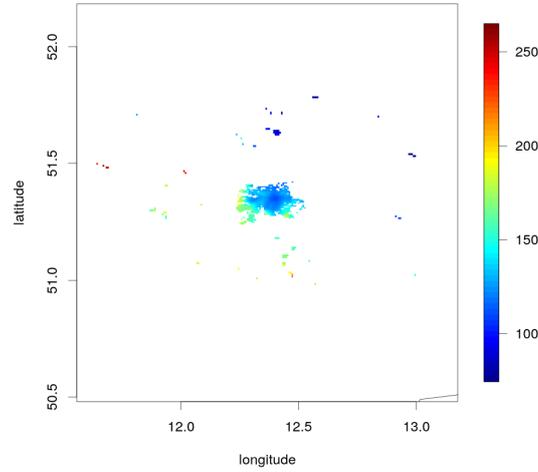
Simulation



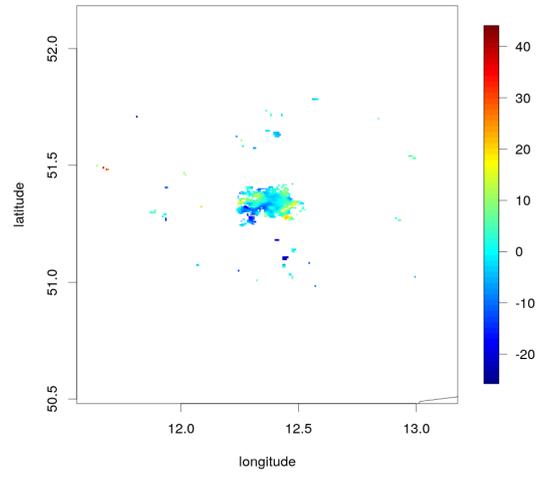
Änderung



**mehr Vegetation**  
Simulation



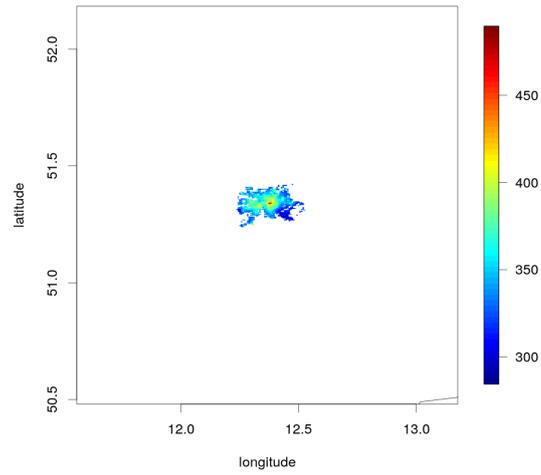
Änderung



## 10.5 Stunden über 25 °C

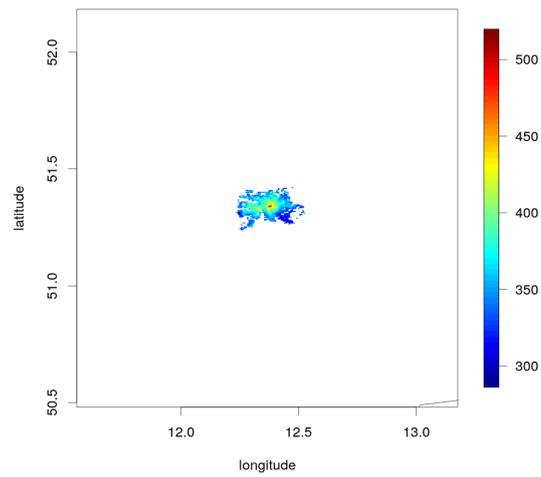
Ist-Zustand

Simulation

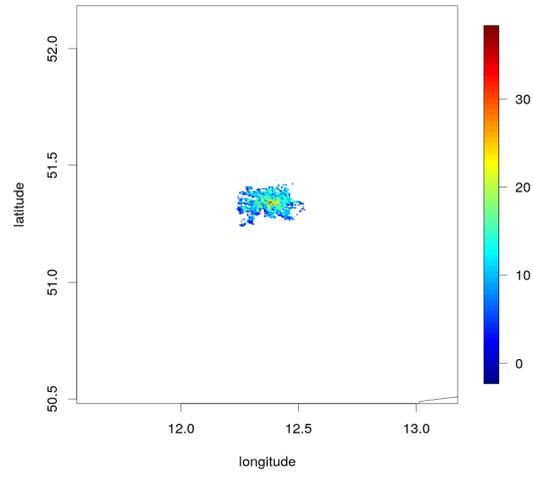


weniger Vegetation

Simulation

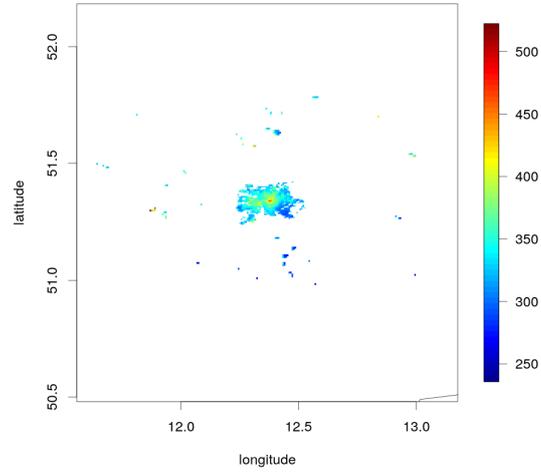


Änderung

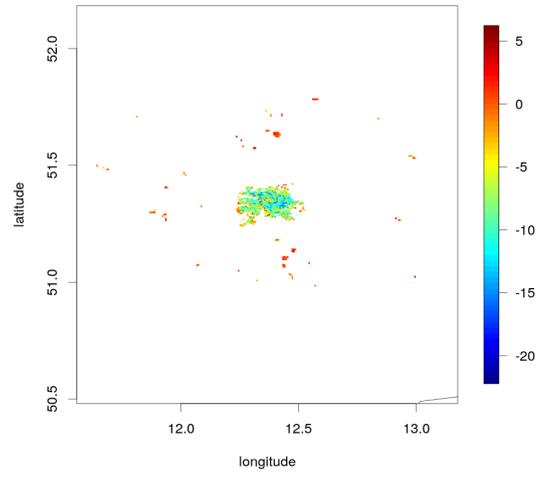


### **mehr Vegetation**

Simulation



Änderung

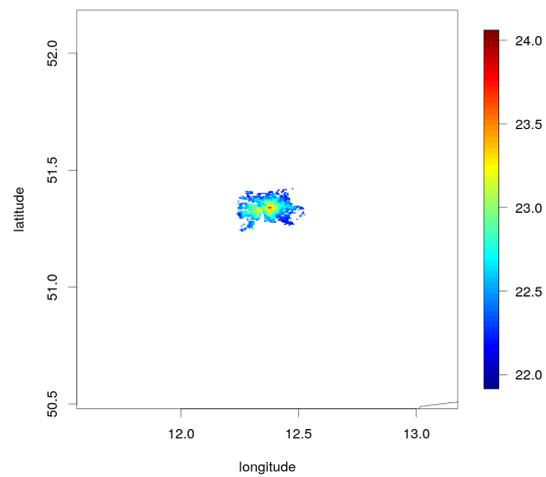


## 11 Leipzig (2003)

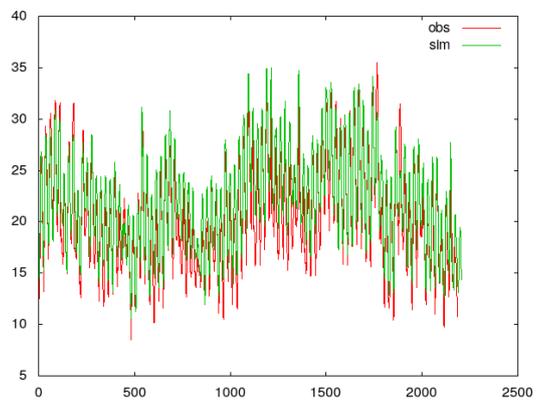
### 11.1 2 m Durchschnittstemperatur

Ist-Zustand

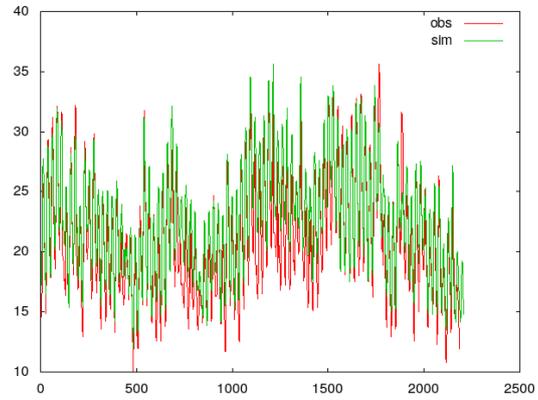
Simulation



### Validierung (Messstation Leipzig/Halle)

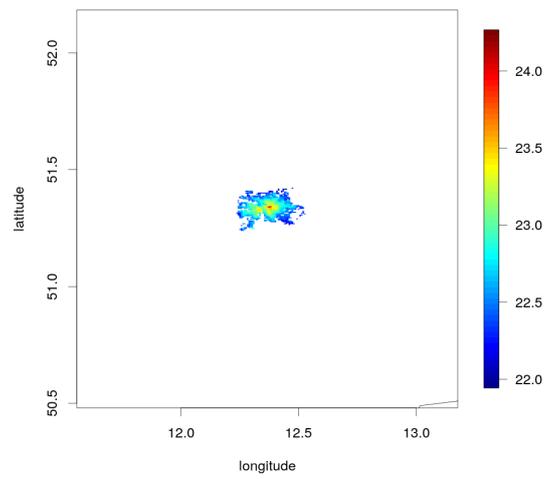


### Validierung (Messstation Leipzig-Holzhausen)

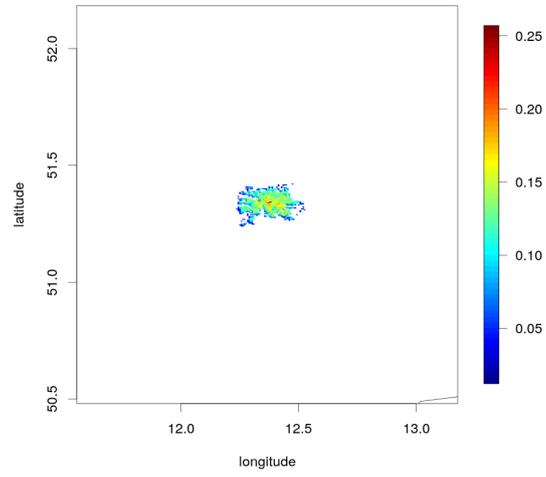


### weniger Vegetation

Simulation

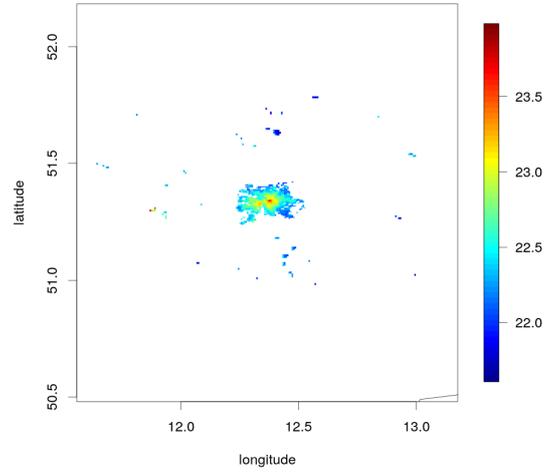


Änderung

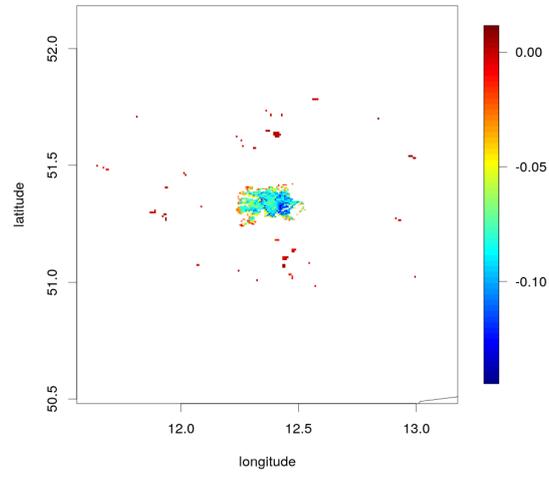


**mehr Vegetation**

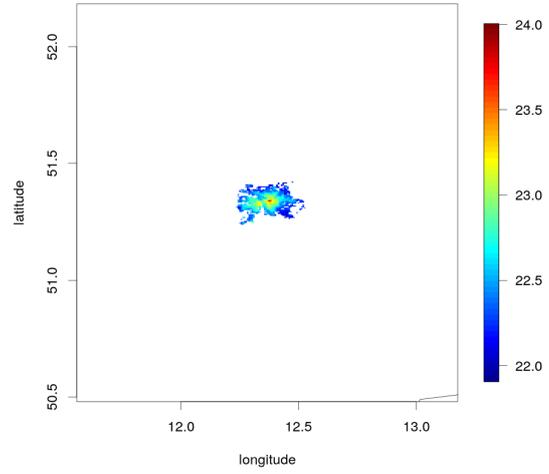
Simulation



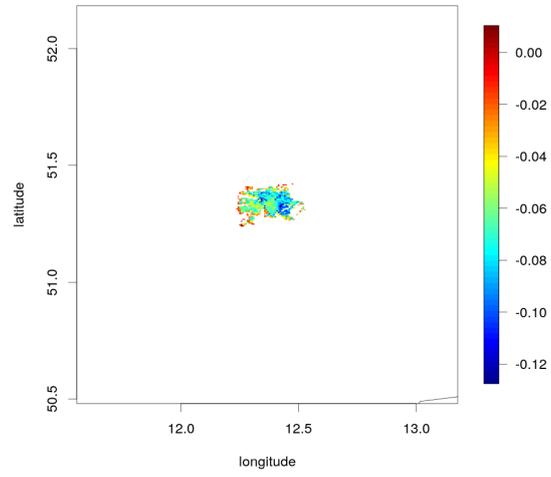
Änderung



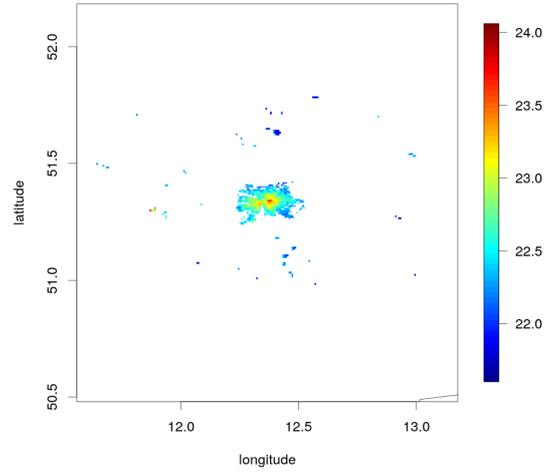
**mehr Grünfläche**  
Simulation



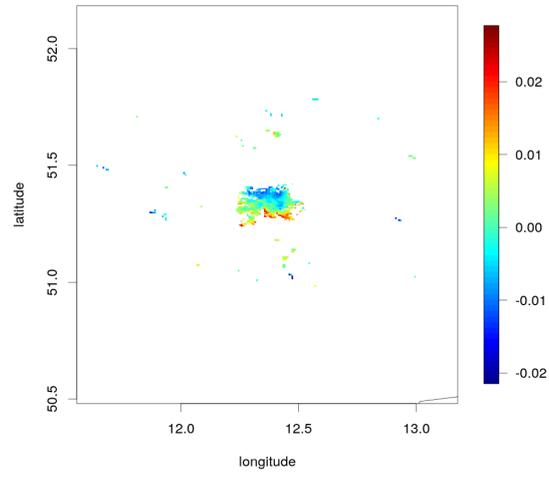
Änderung



**mehr Bäume**  
Simulation

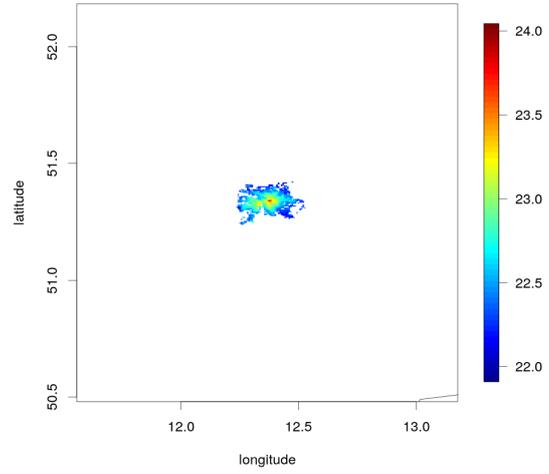


Änderung

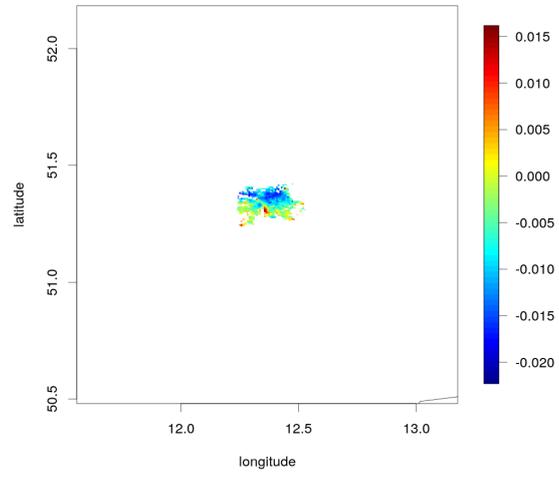


### **mehr Gründächer**

Simulation



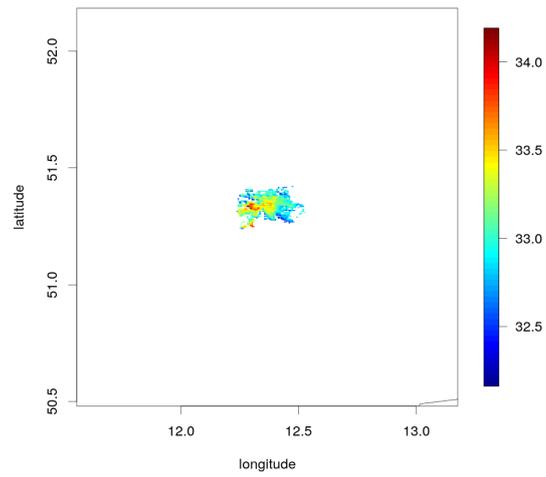
Änderung



## 11.2 2 m Maximumstemperatur

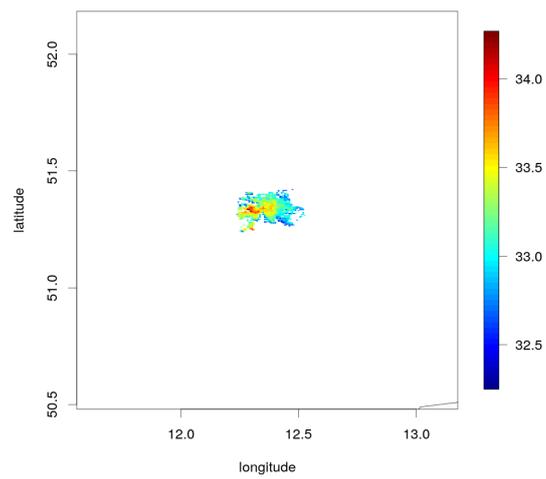
### Ist-Zustand

Simulation

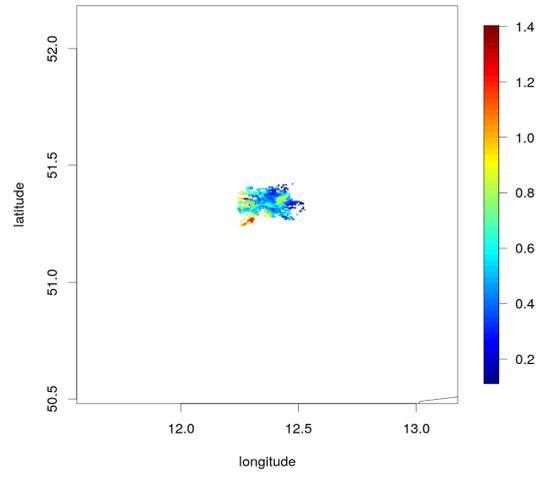


### weniger Vegetation

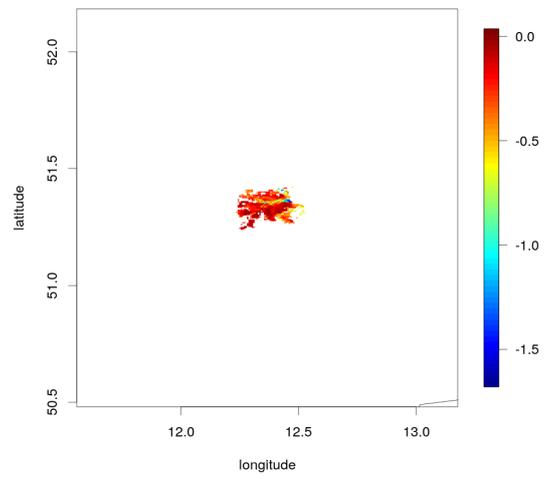
Simulation



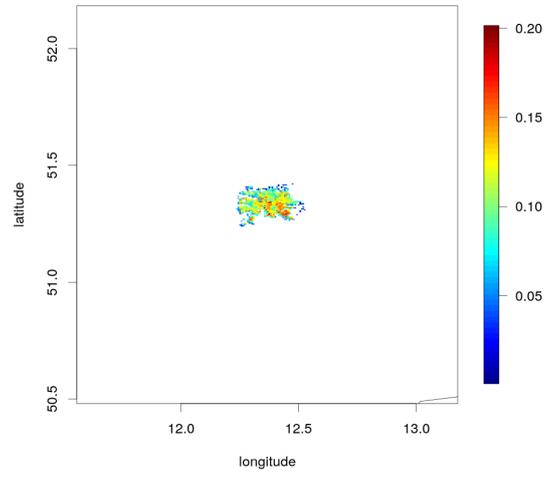
Änderung (cdo timmax)



Änderung (cdo timmin)

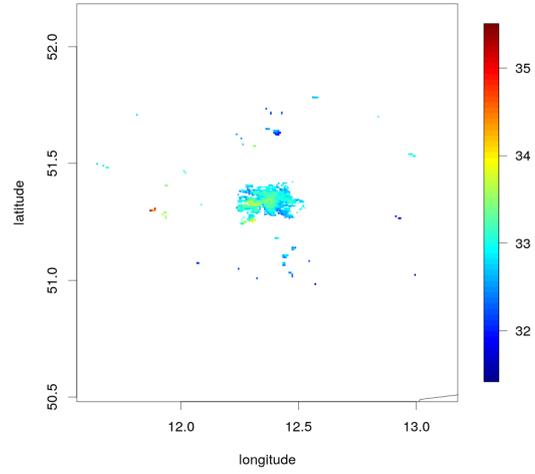


Änderung (cdo timavg)

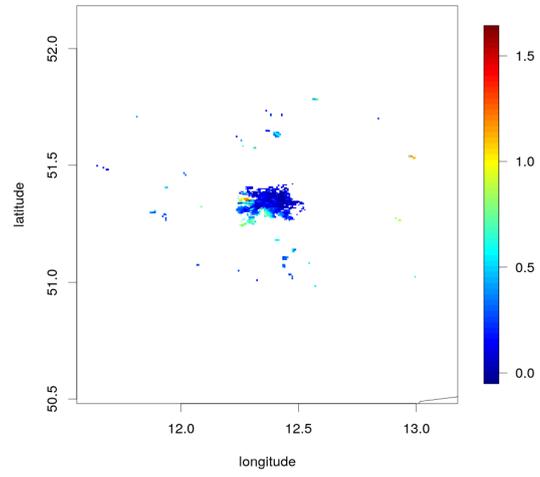


**mehr Vegetation**

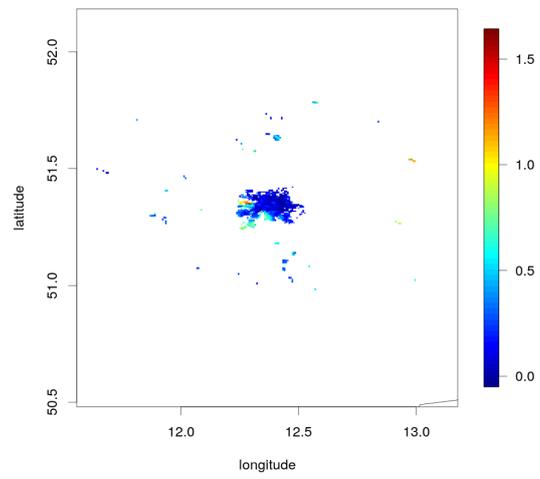
Simulation



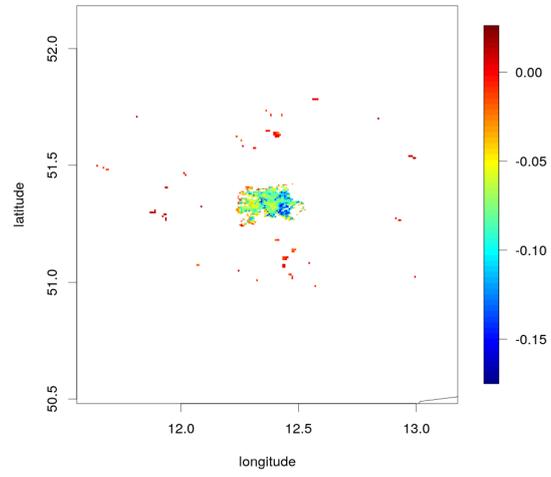
Änderung (cdo timmax)



Änderung (cdo timmin)

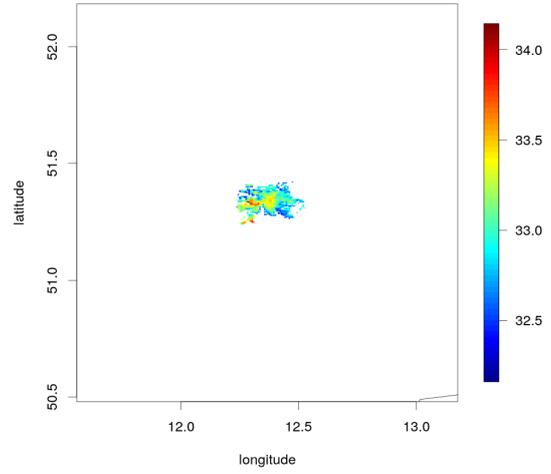


Änderung (cdo timavg)

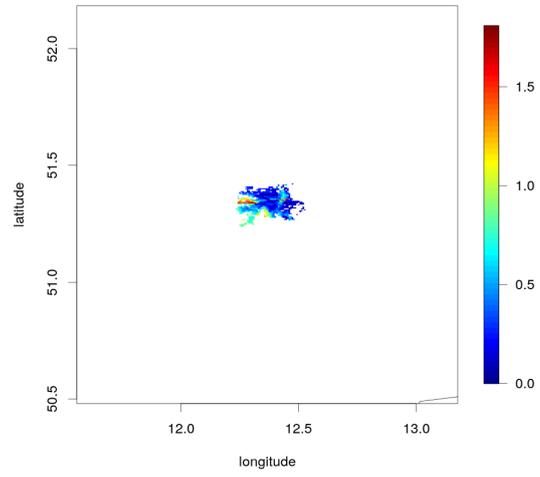


**mehr Grünfläche**

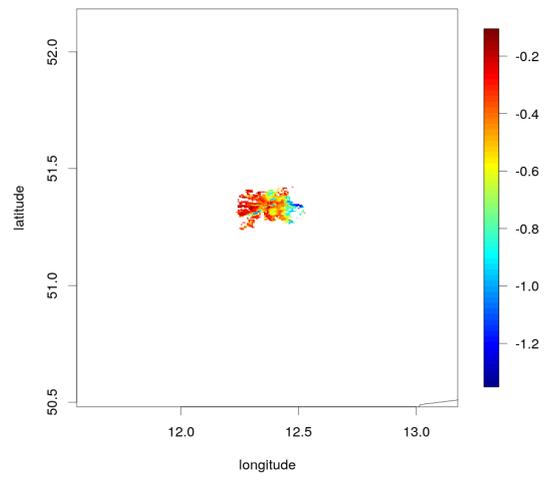
Simulation



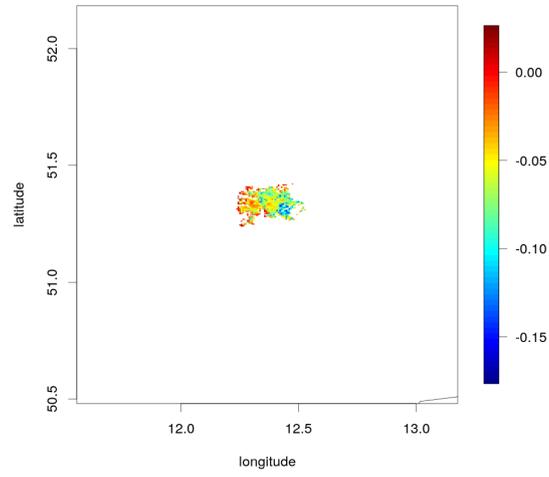
Änderung (cdo timmax)



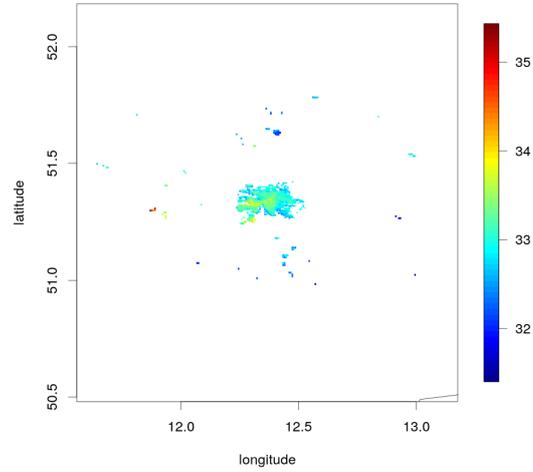
Änderung (cdo timmin)



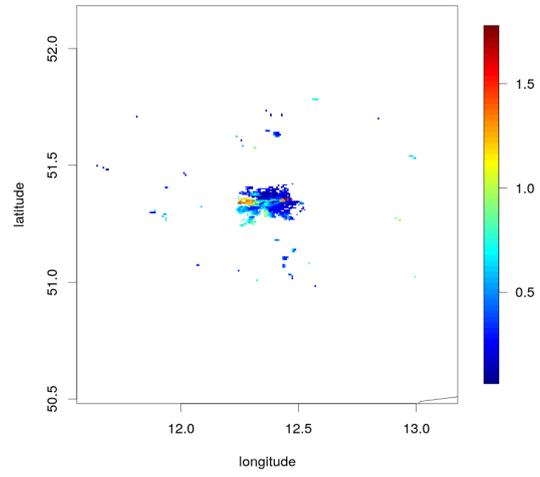
Änderung (cdo timavg)



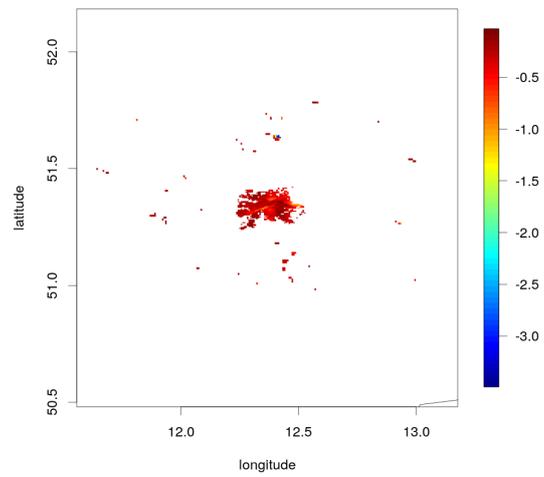
**mehr Bäume**  
Simulation



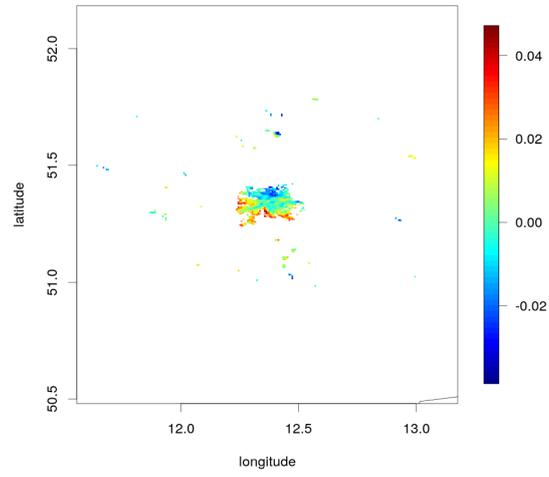
Änderung (cdo timmax)



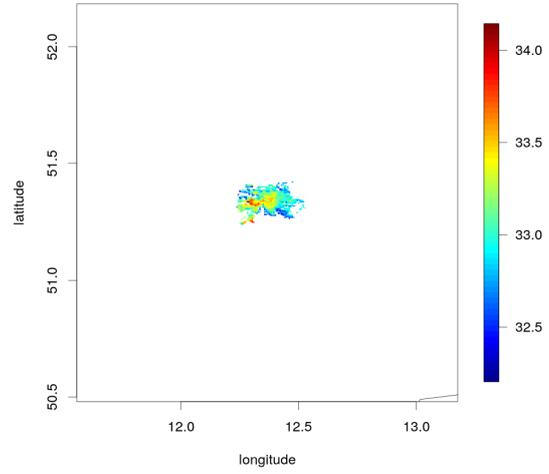
Änderung (cdo timmin)



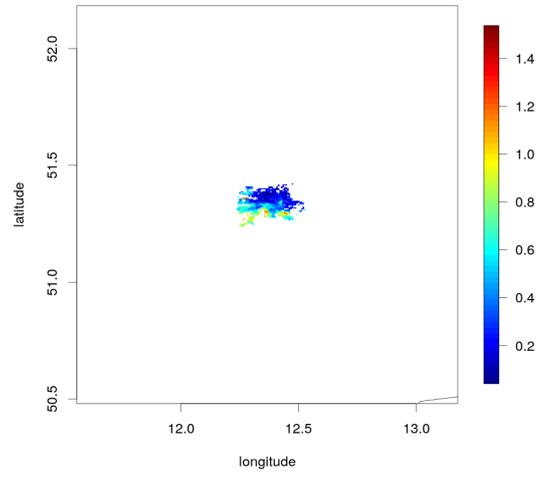
Änderung (cdo timavg)



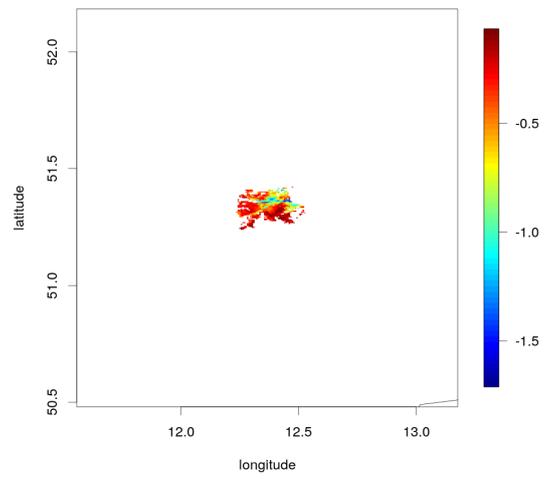
**mehr Gründächer**  
Simulation



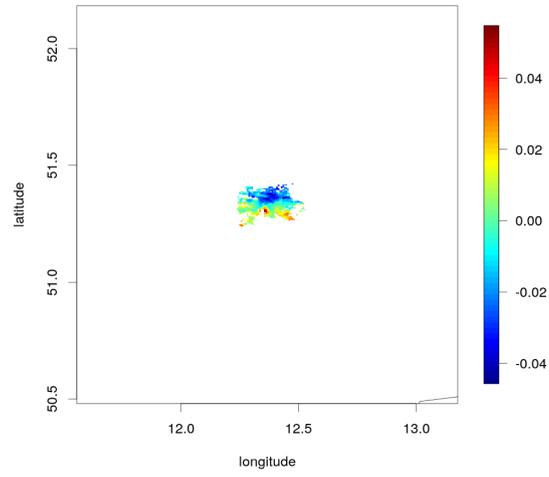
Änderung (cdo timmax)



Änderung (cdo timmin)



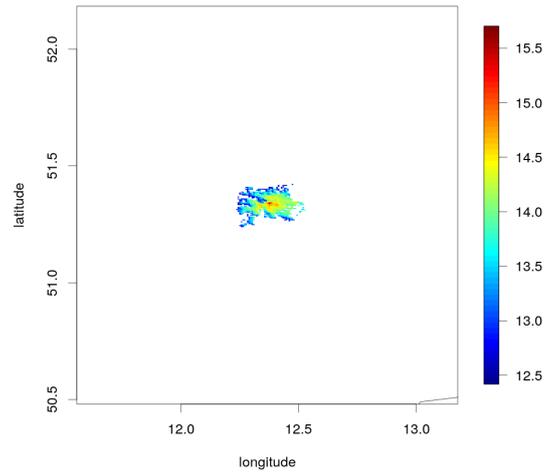
Änderung (cdo timavg)



### 11.3 2 m Minimumstemperatur

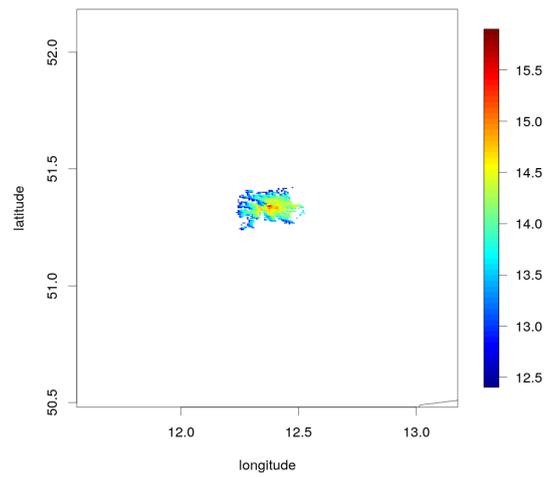
Ist-Zustand

Simulation

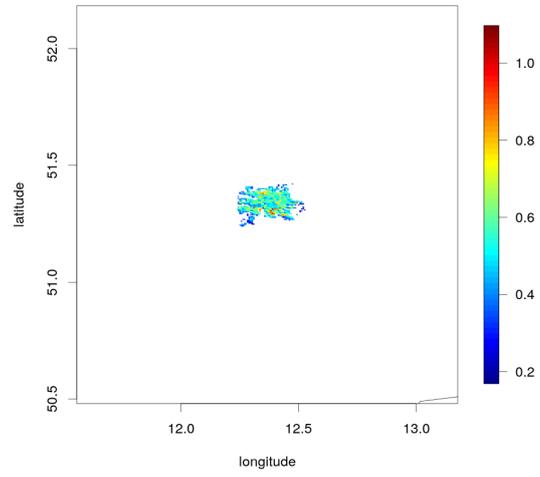


weniger Vegetation

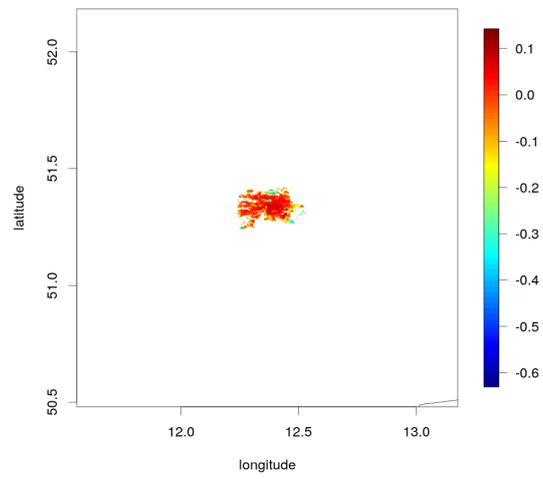
Simulation



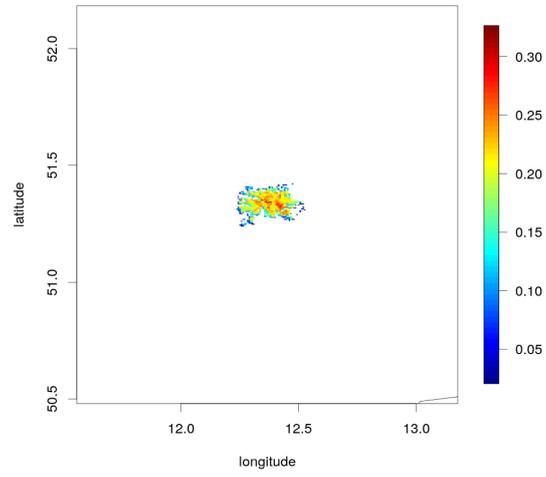
Änderung (cdo timmax)



Änderung (cdo timmin)

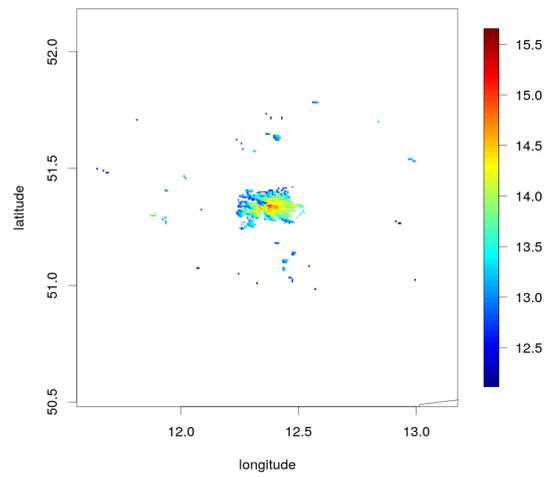


Änderung (cdo timavg)

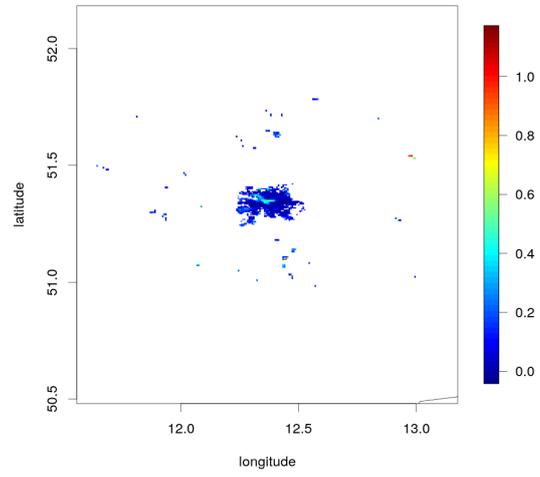


**mehr Vegetation**

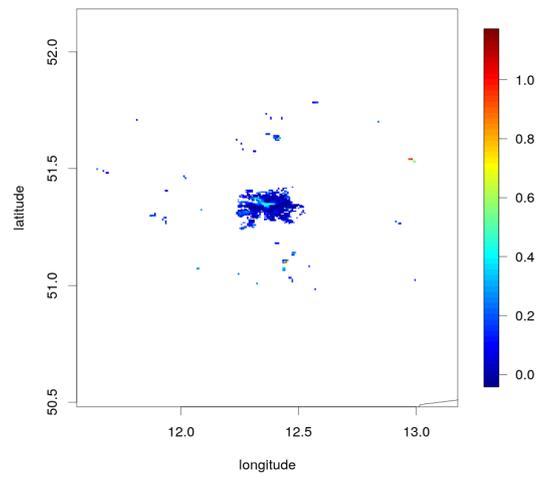
Simulation



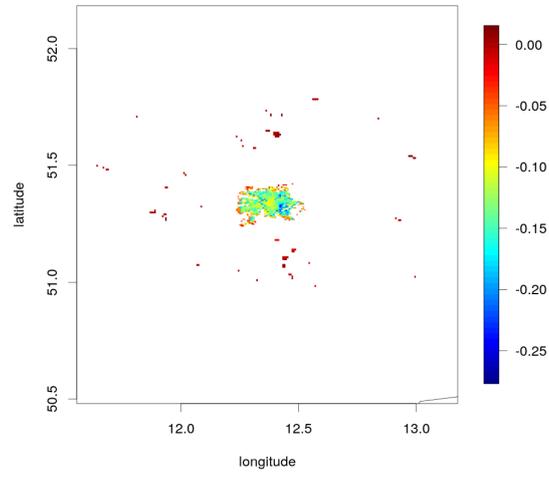
Änderung (cdo timmax)



Änderung (cdo timmin)

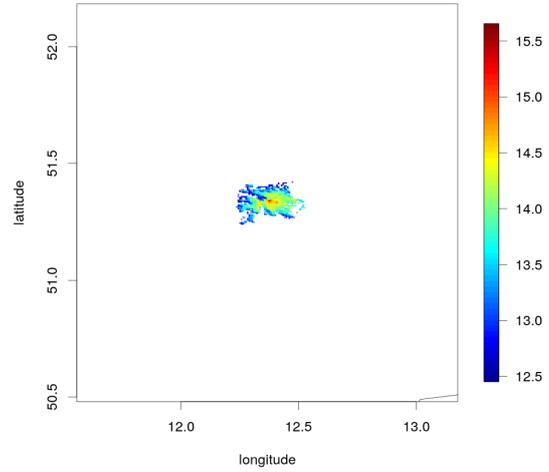


Änderung (cdo timavg)

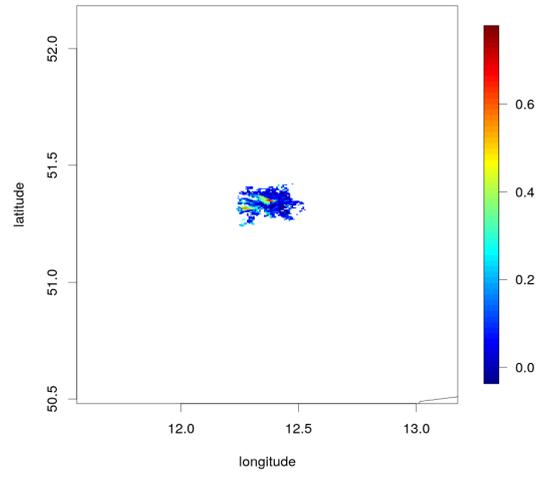


**mehr Grünfläche**

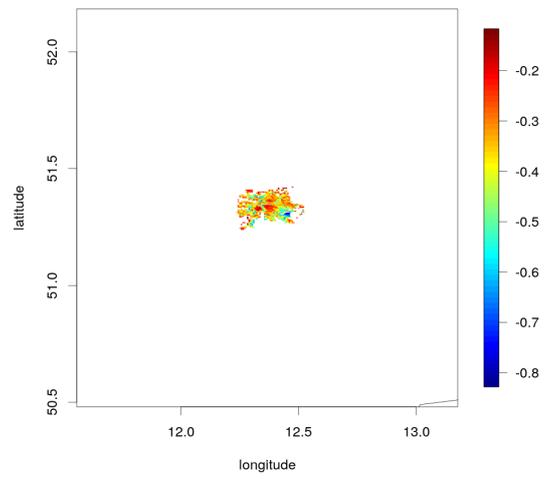
Simulation



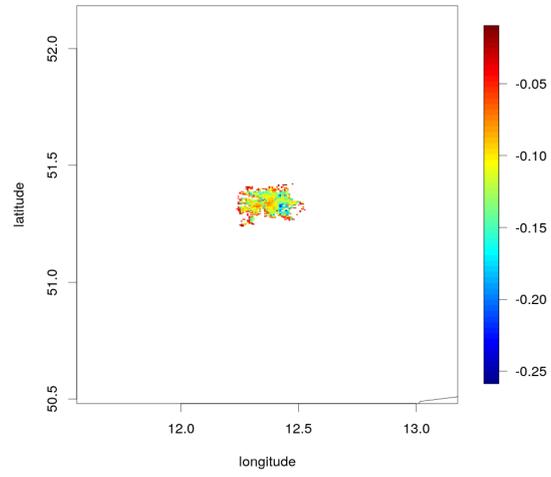
Änderung (cdo timmax)



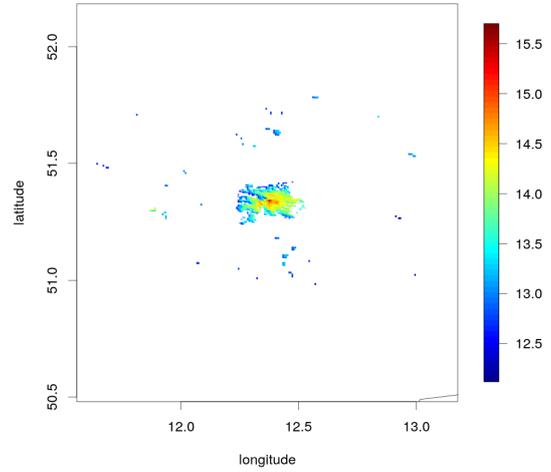
Änderung (cdo timmin)



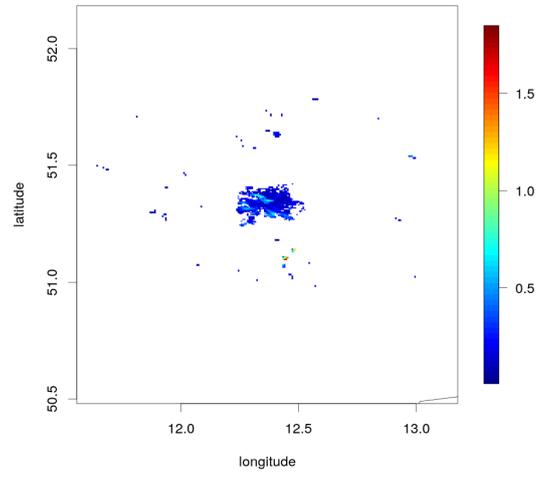
Änderung (cdo timavg)



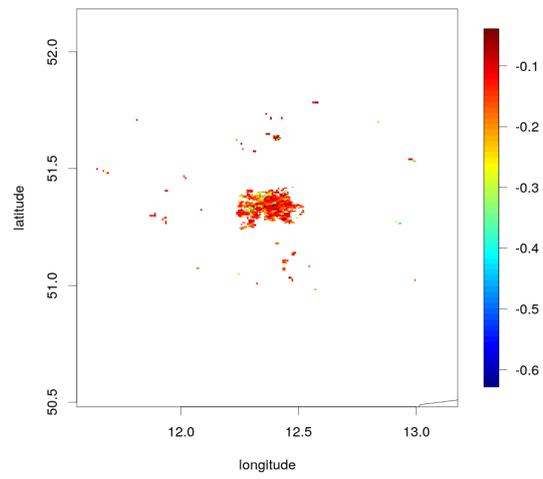
**mehr Bäume**  
Simulation



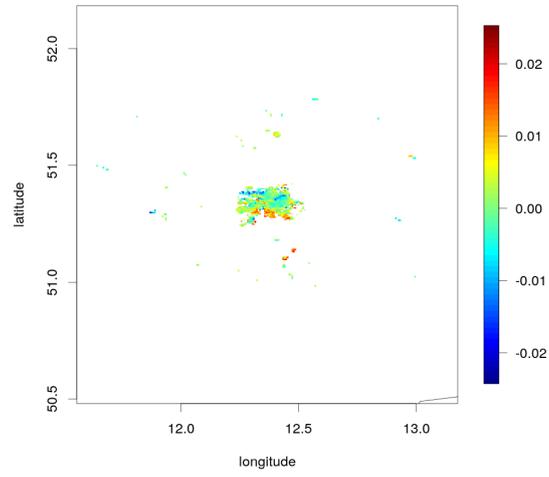
Änderung (cdo timmax)



Änderung (cdo timmin)

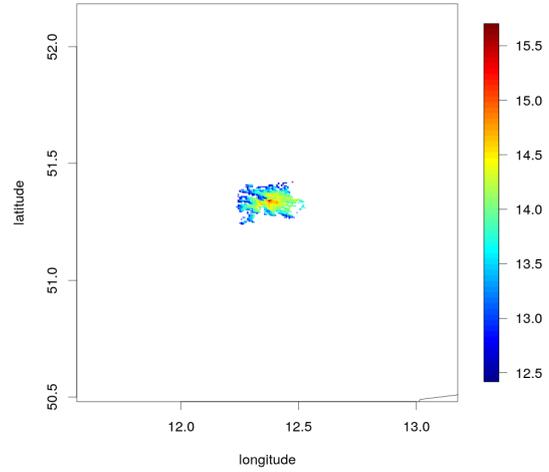


Änderung (cdo timavg)

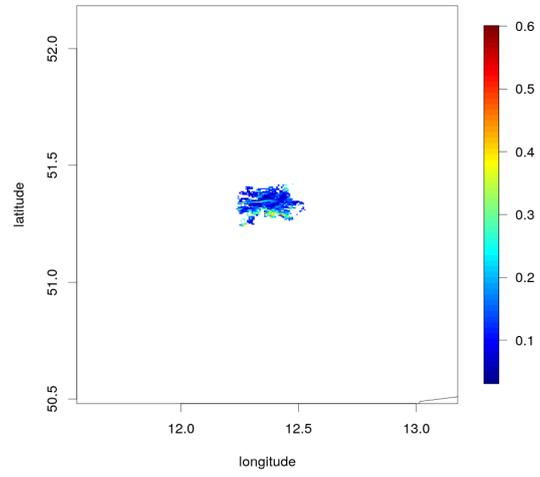


**mehr Gründächer**

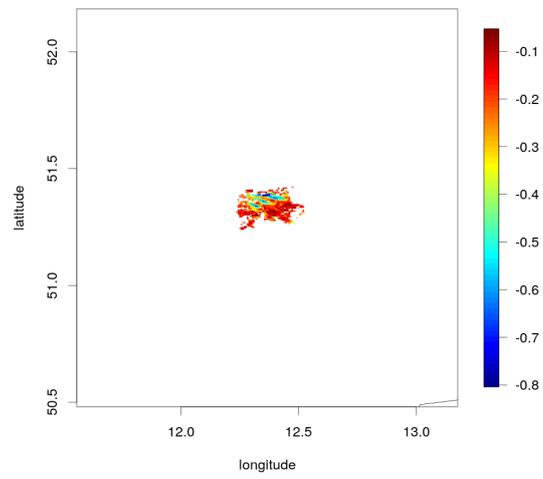
Simulation



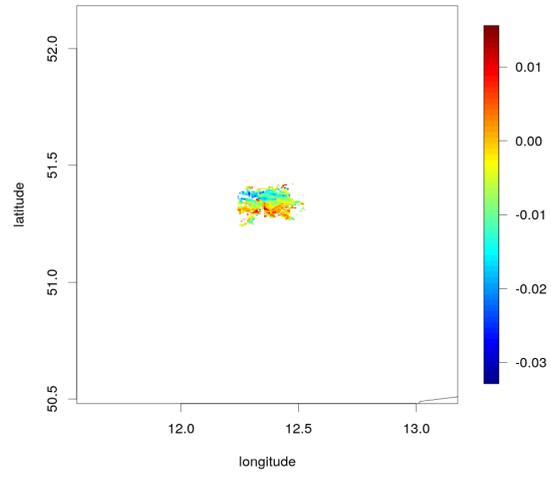
Änderung (cdo timmax)



Änderung (cdo timmin)



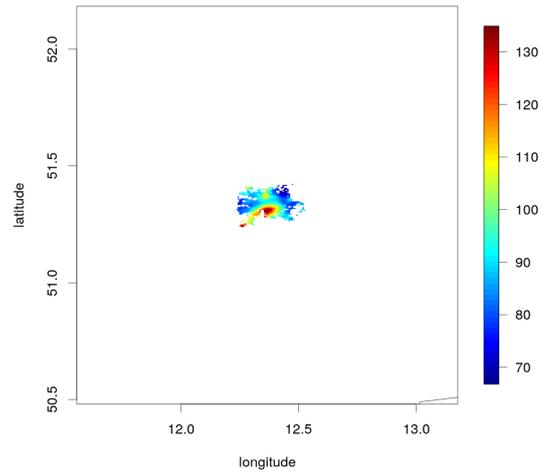
Änderung (cdo timavg)



## 11.4 Niederschlag

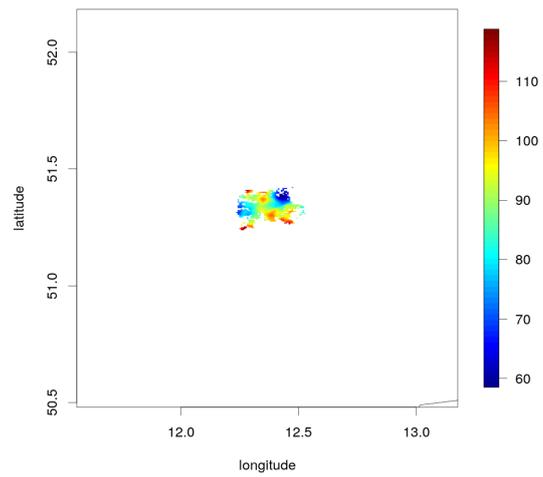
Ist-Zustand

Simulation

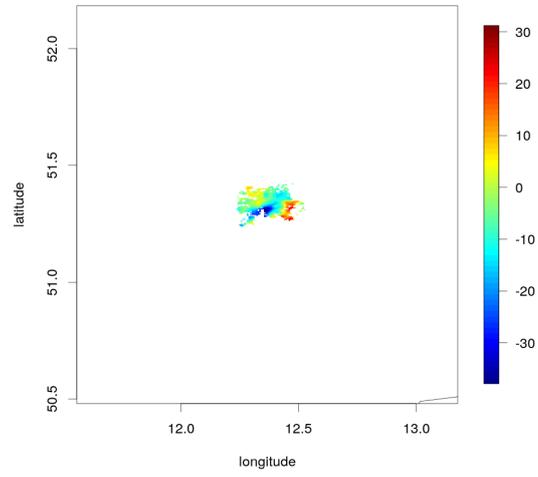


weniger Vegetation

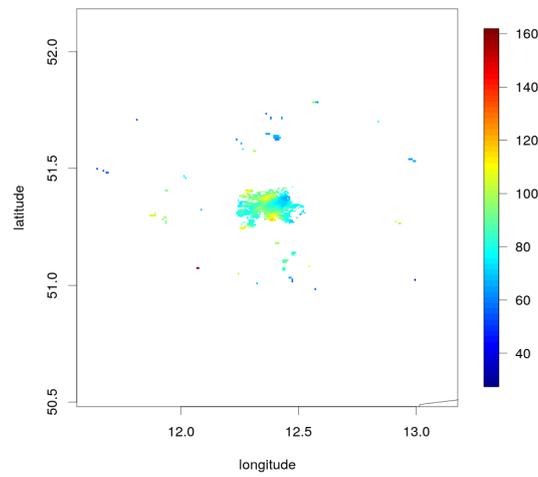
Simulation



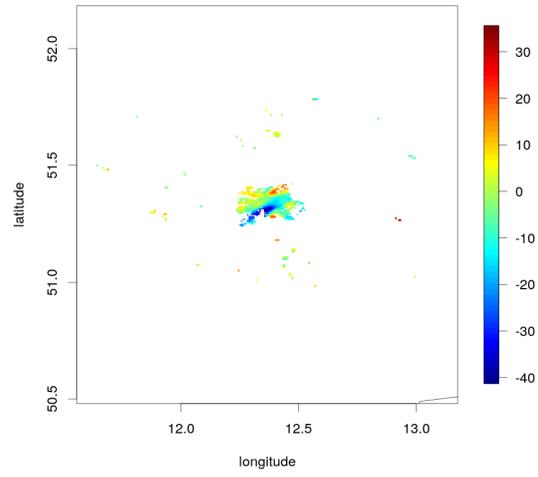
Änderung



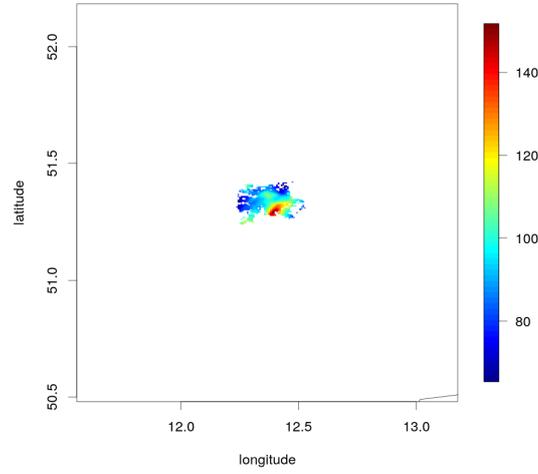
**mehr Vegetation**  
Simulation



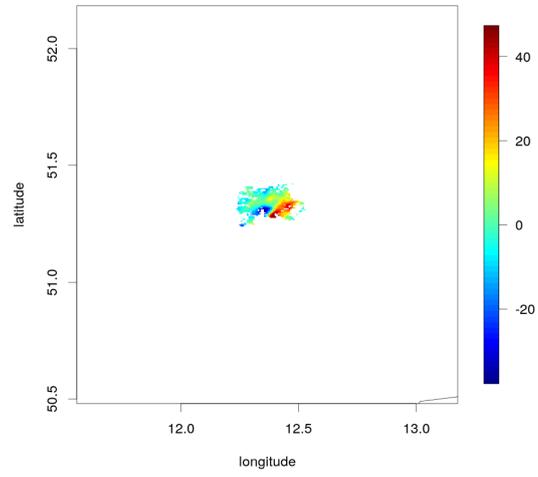
Änderung



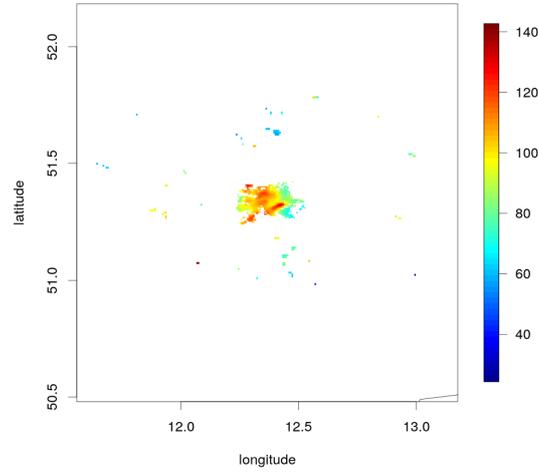
**mehr Grünfläche**  
Simulation



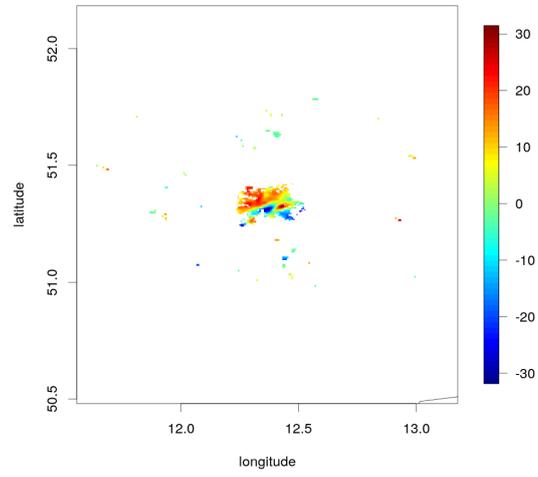
Änderung



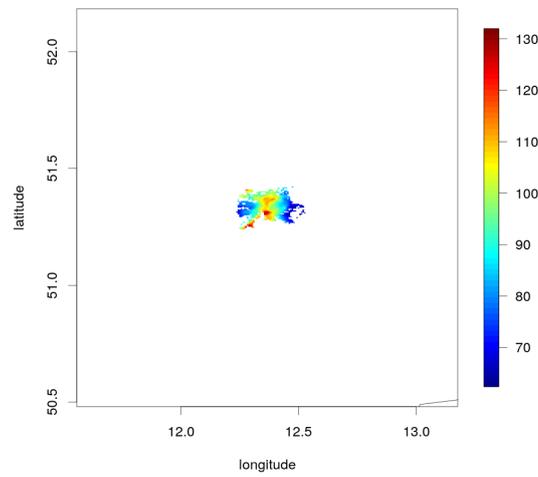
**mehr Bäume**  
Simulation



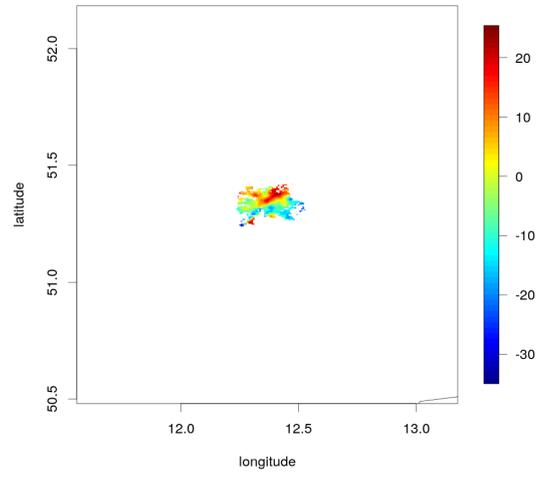
Änderung



**mehr Gründächer**  
Simulation



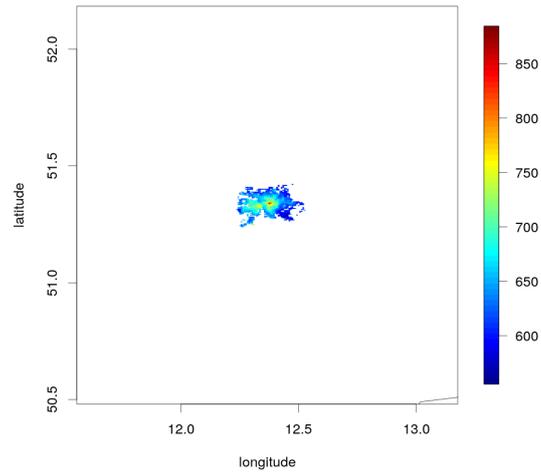
Änderung



## 11.5 Stunden über 25 °C

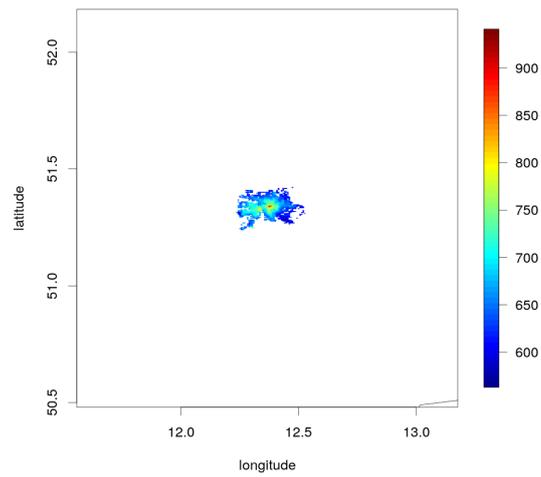
### Ist-Zustand

Simulation

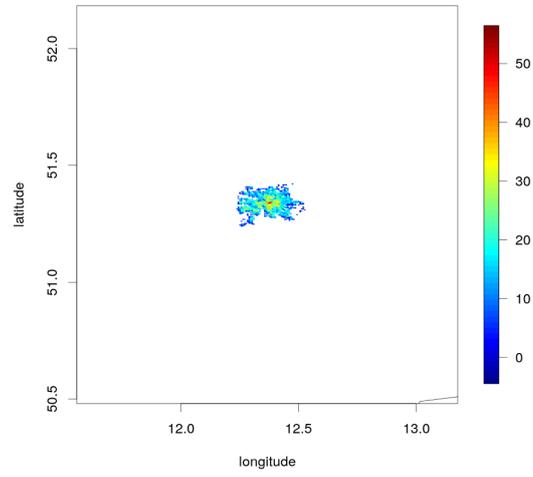


### weniger Vegetation

Simulation

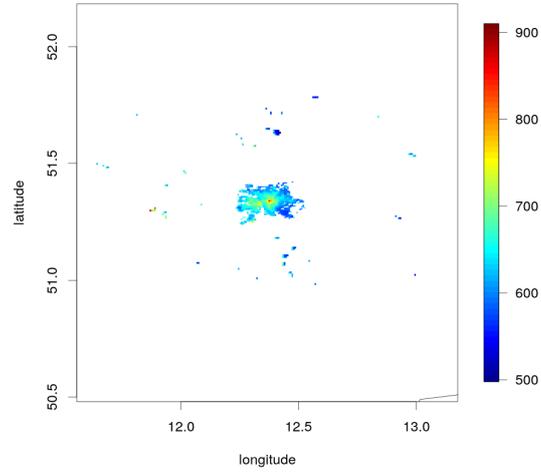


Änderung

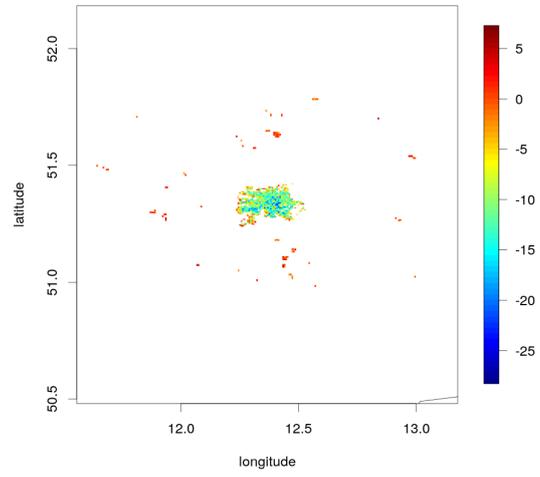


**mehr Vegetation**

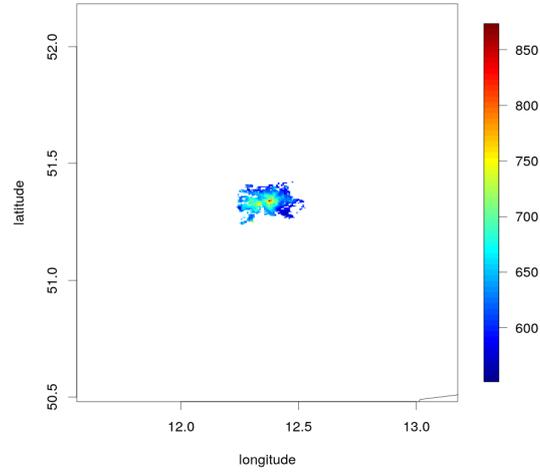
Simulation



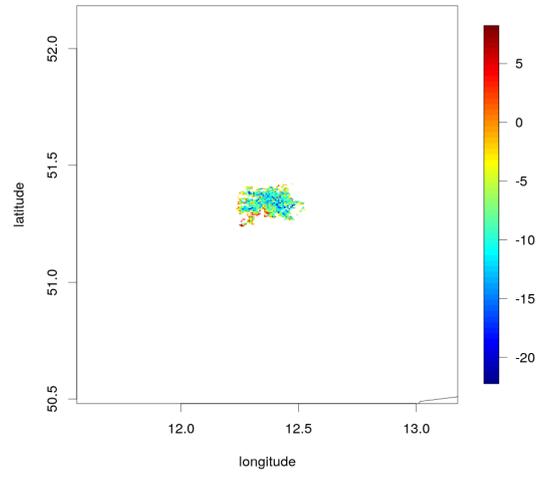
Änderung



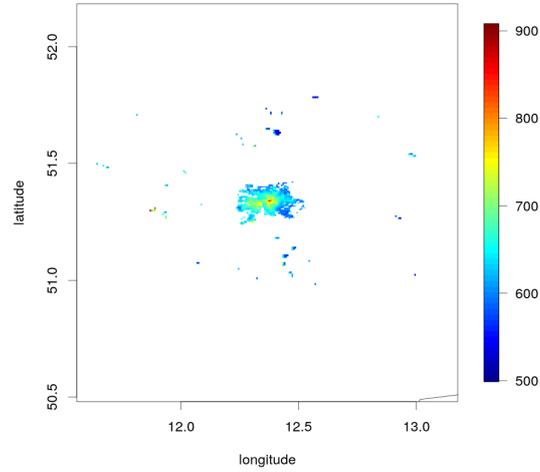
**mehr Grünfläche**  
Simulation



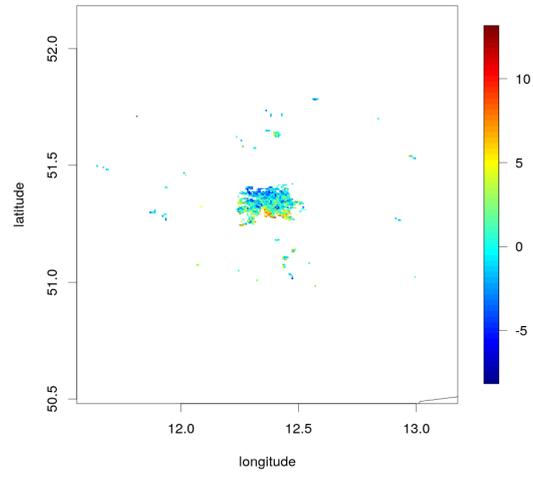
Änderung



**mehr Bäume**  
Simulation

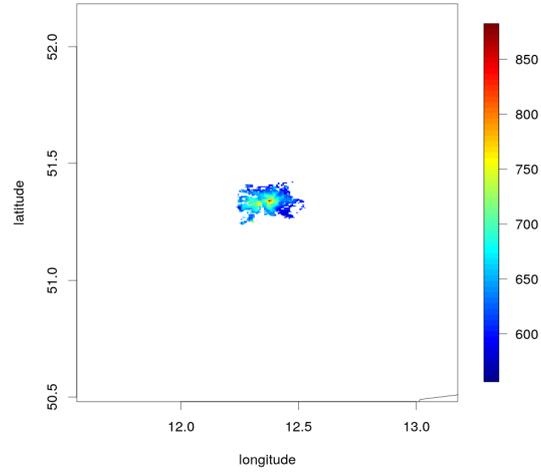


Änderung

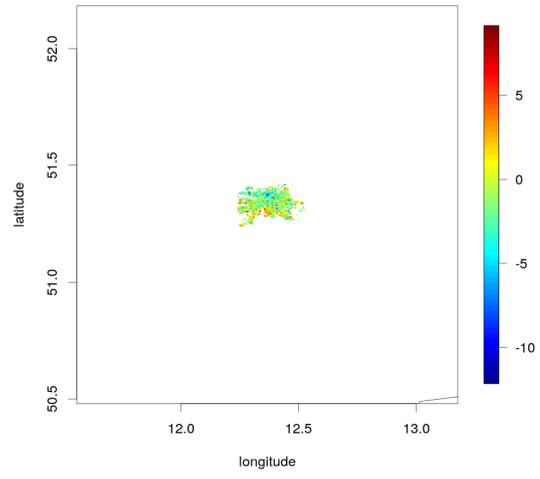


### **mehr Gründächer**

Simulation



Änderung

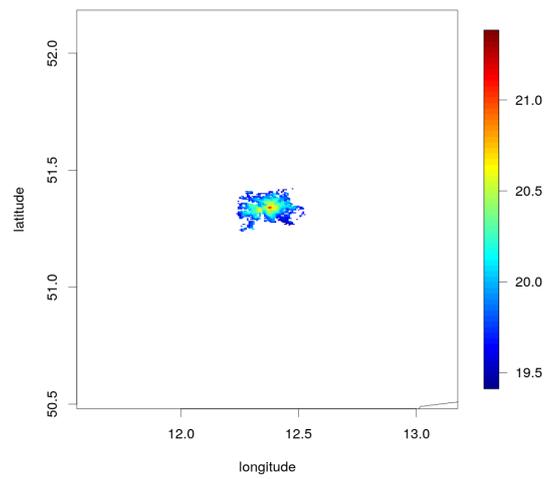


## 12 Leipzig (2012)

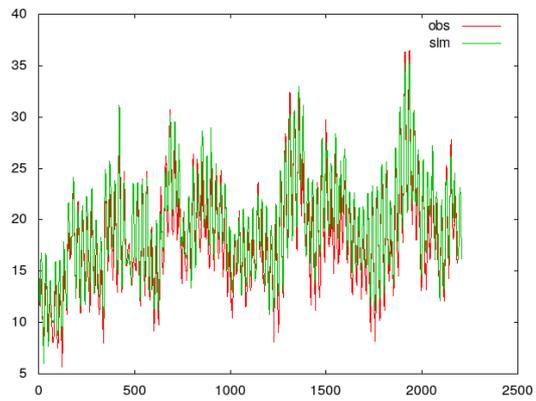
### 12.1 2 m Durchschnittstemperatur

Ist-Zustand

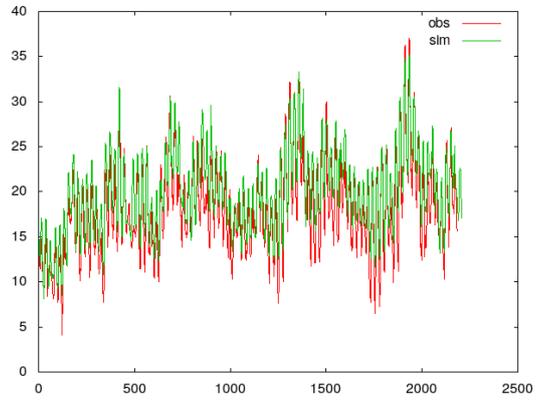
Simulation



### Validierung (Messstation Leipzig/Halle)

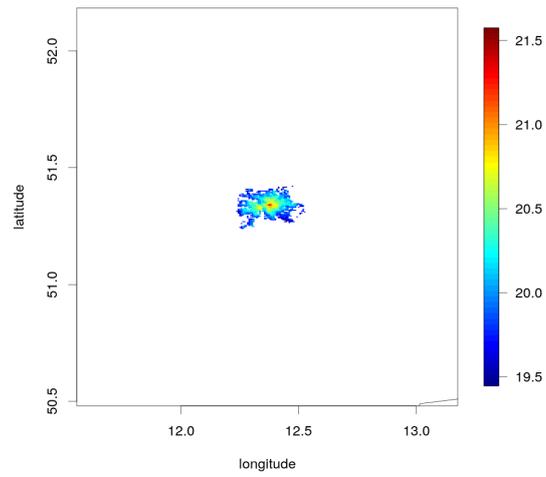


### Validierung (Messstation Leipzig-Holzhausen)

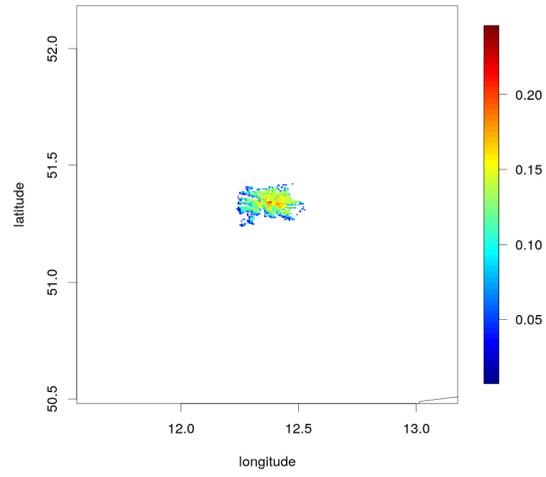


### weniger Vegetation

Simulation

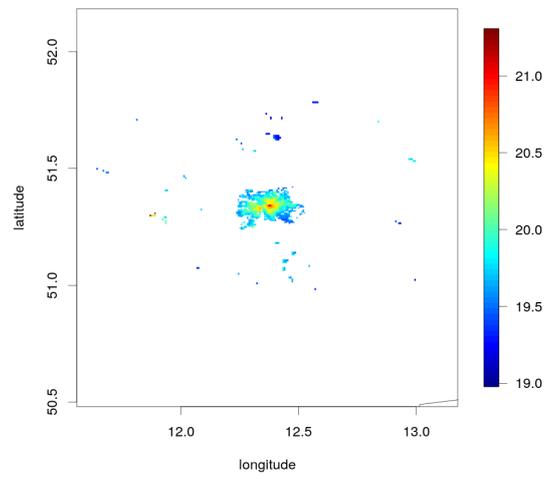


Änderung

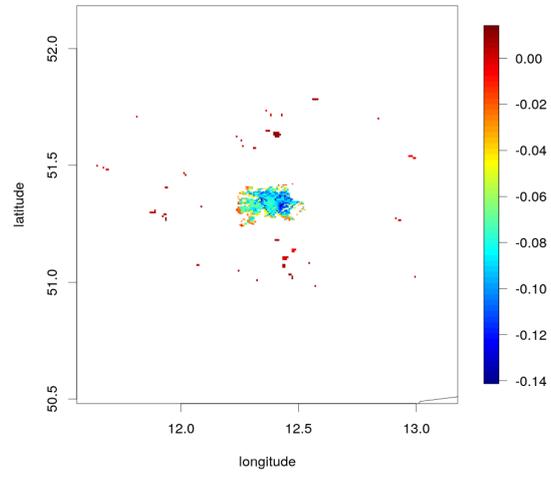


**mehr Vegetation**

Simulation



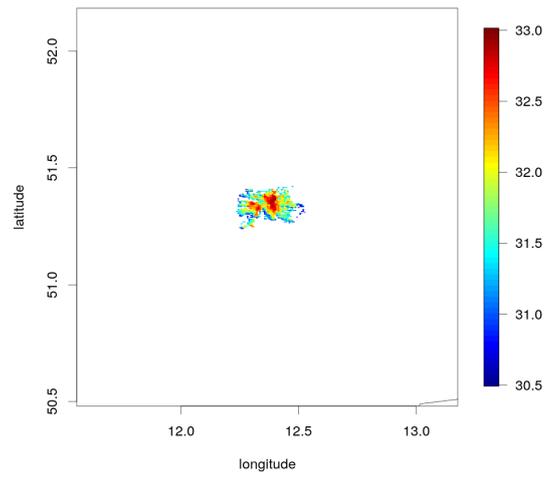
Änderung



## 12.2 2 m Maximumstemperatur

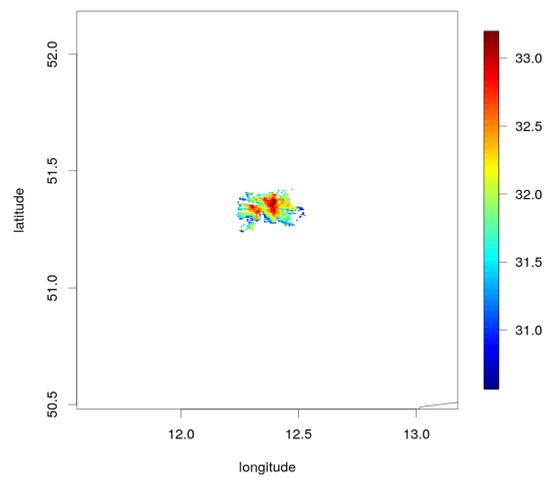
### Ist-Zustand

Simulation

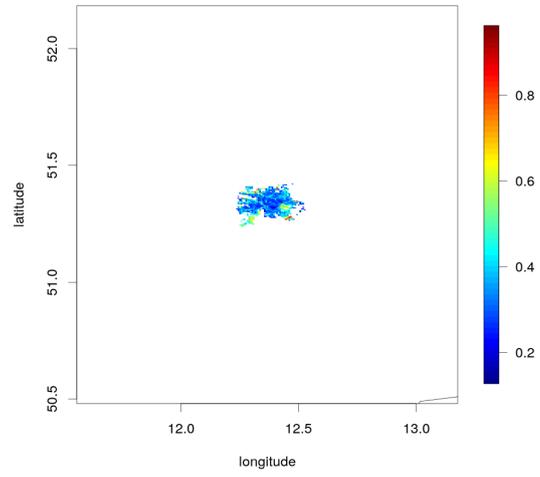


### weniger Vegetation

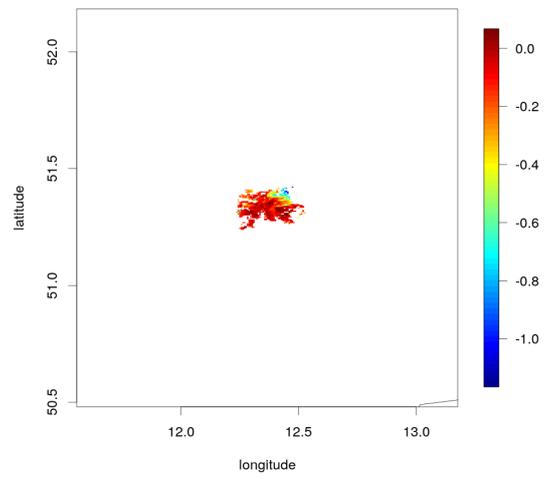
Simulation



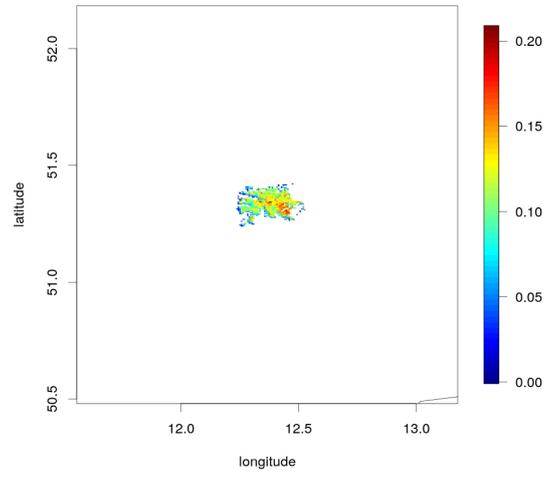
Änderung (cdo timmax)



Änderung (cdo timmin)

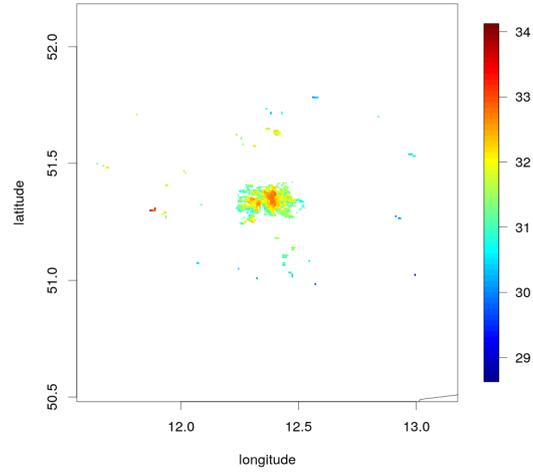


Änderung (cdo timavg)

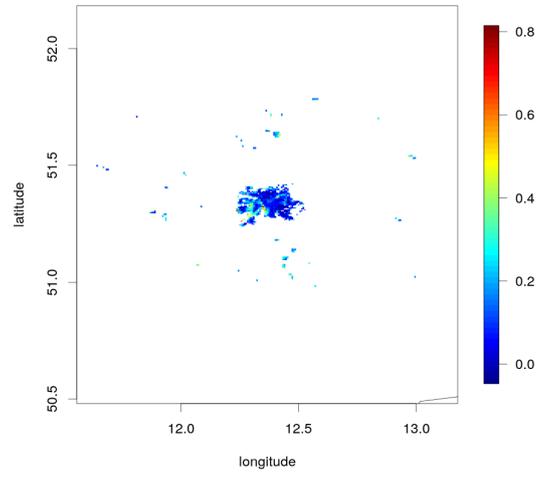


**mehr Vegetation**

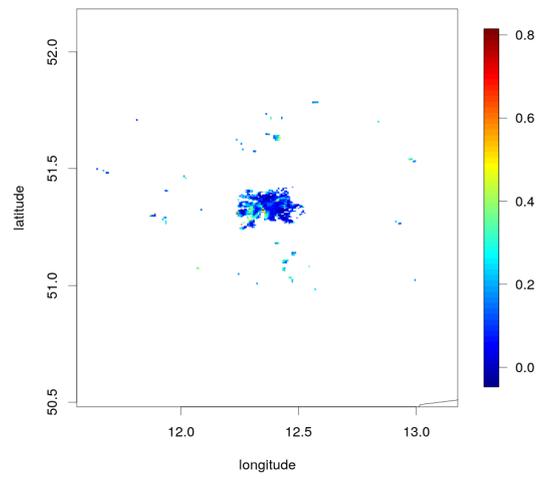
Simulation



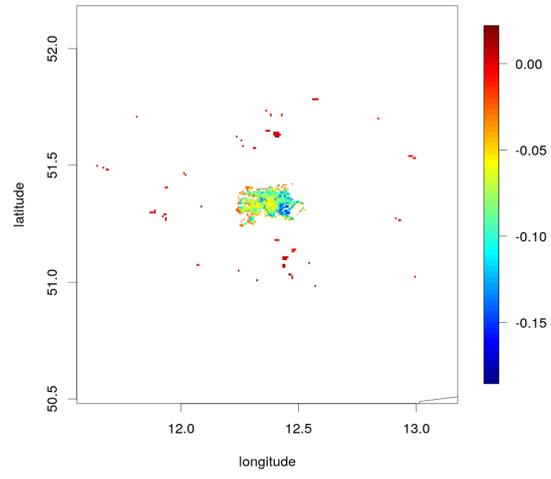
Änderung (cdo timmax)



Änderung (cdo timmin)



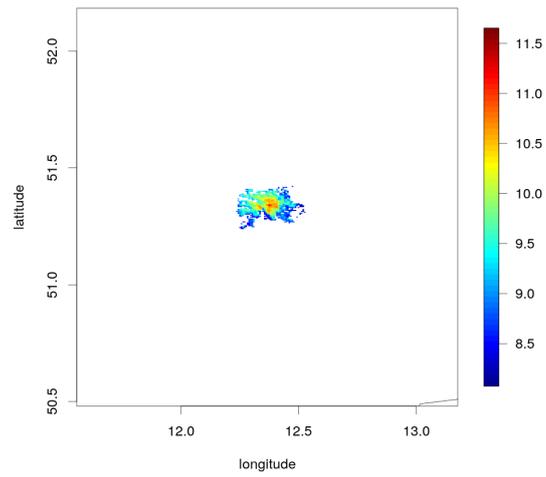
Änderung (cdo timavg)



### 12.3 2 m Minimumstemperatur

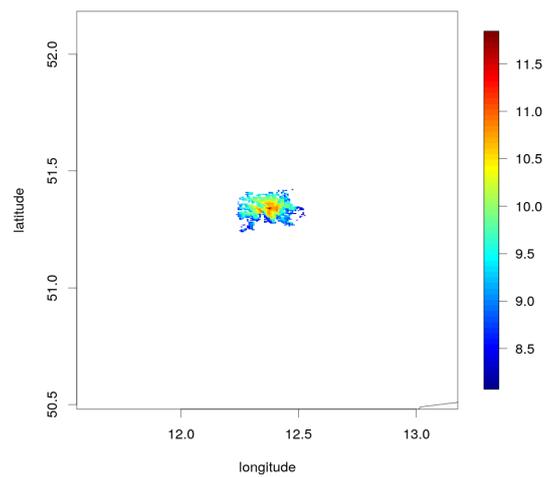
#### Ist-Zustand

Simulation

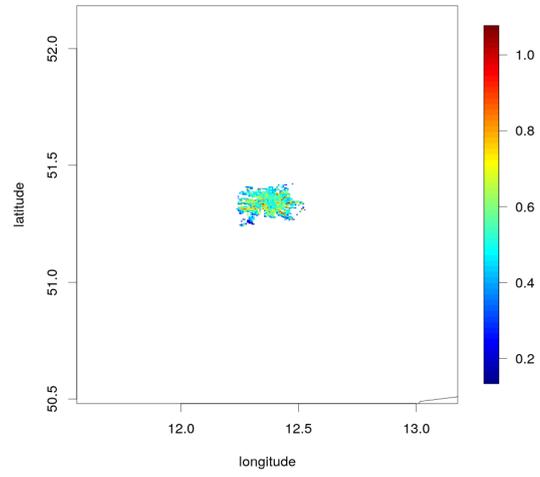


#### weniger Vegetation

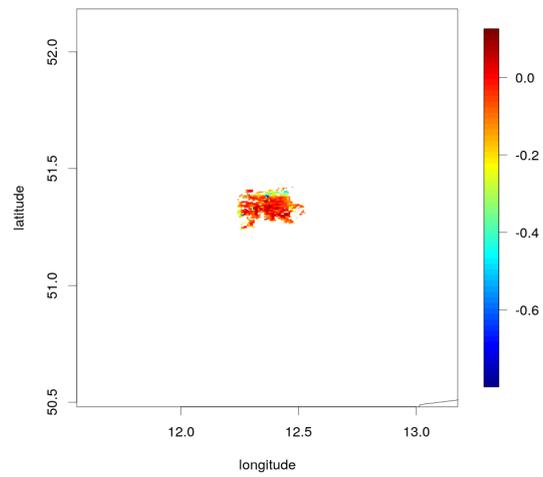
Simulation



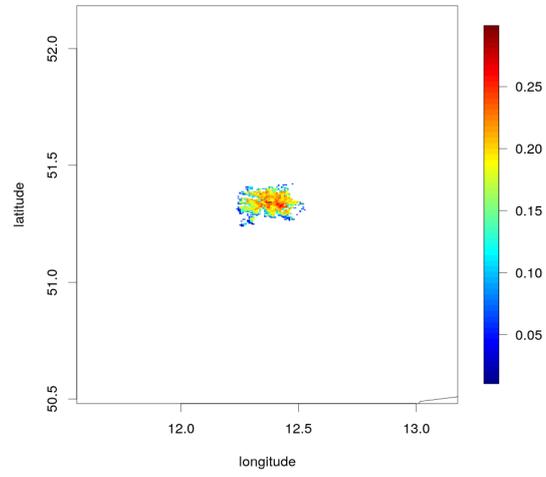
Änderung (cdo timmax)



Änderung (cdo timmin)

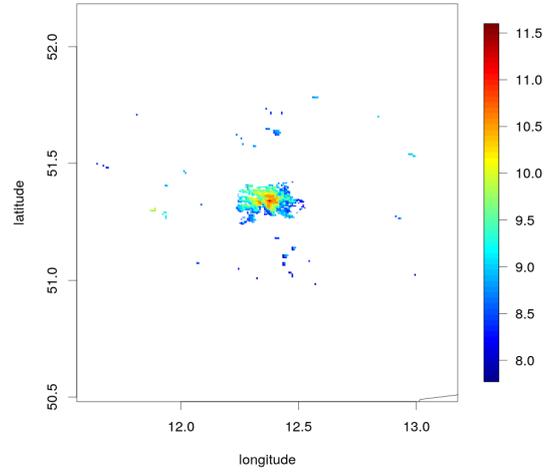


Änderung (cdo timavg)

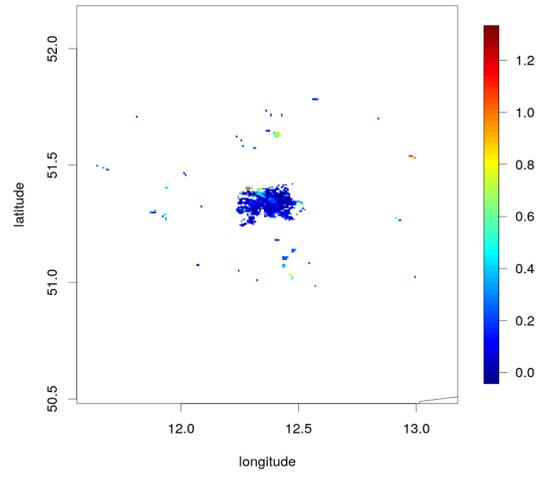


**mehr Vegetation**

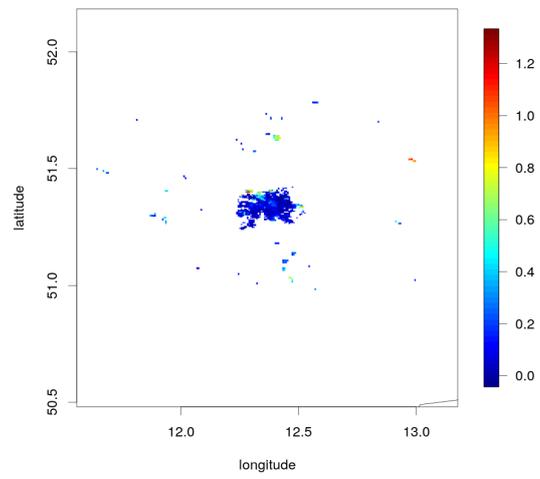
Simulation



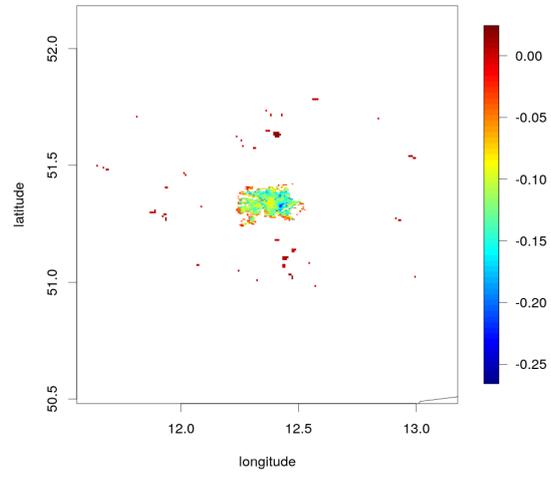
Änderung (cdo timmax)



Änderung (cdo timmin)



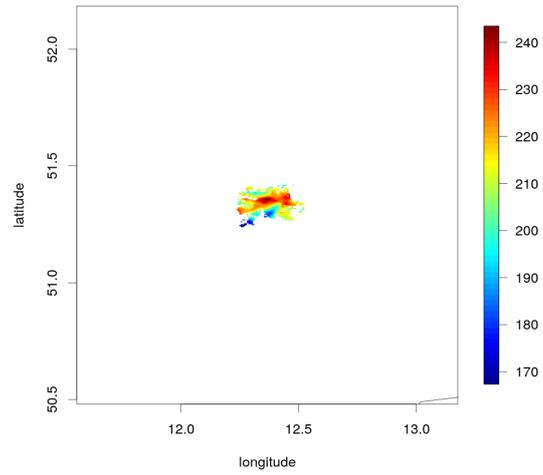
Änderung (cdo timavg)



## 12.4 Niederschlag

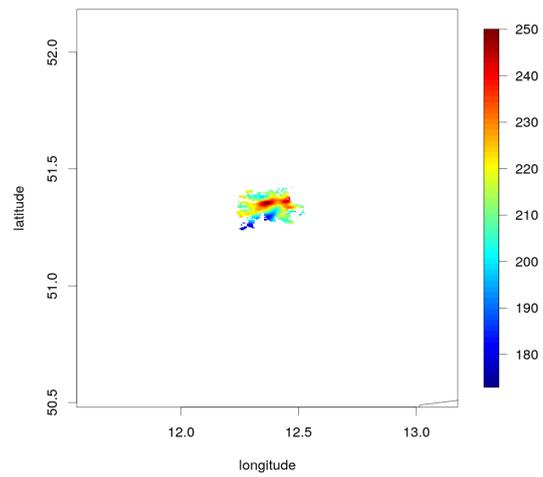
Ist-Zustand

Simulation

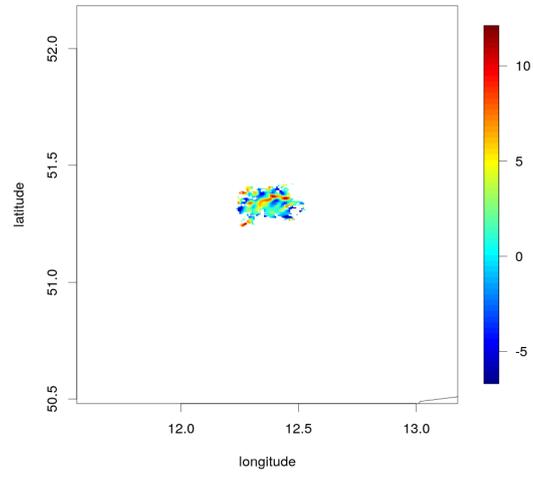


weniger Vegetation

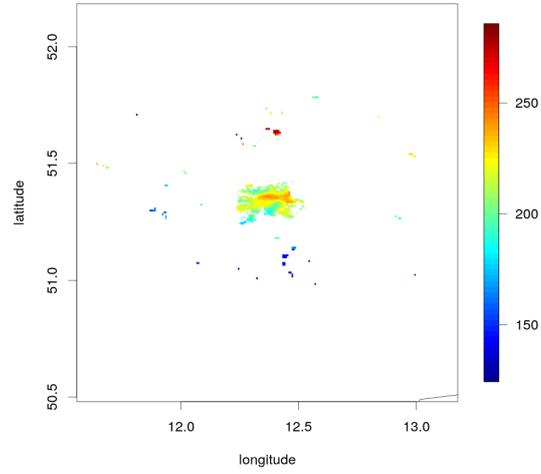
Simulation



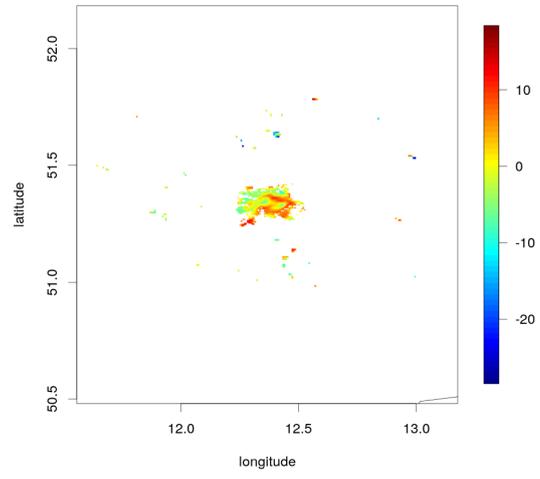
Änderung



**mehr Vegetation**  
Simulation



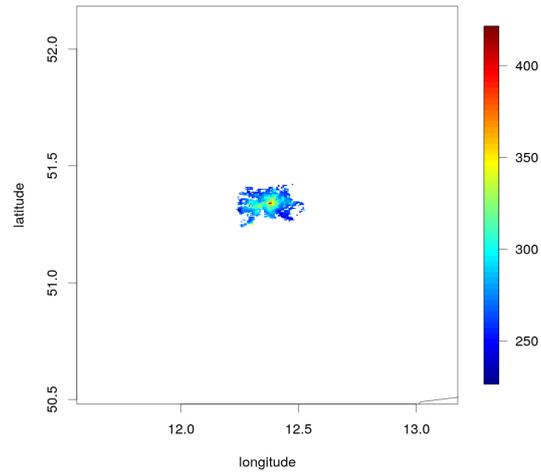
Änderung



## 12.5 Stunden über 25 °C

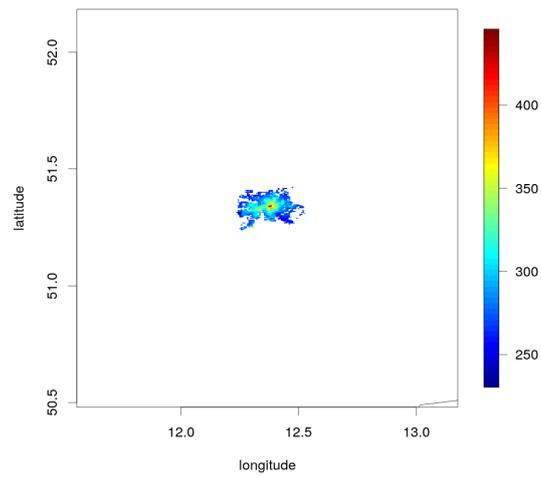
Ist-Zustand

Simulation

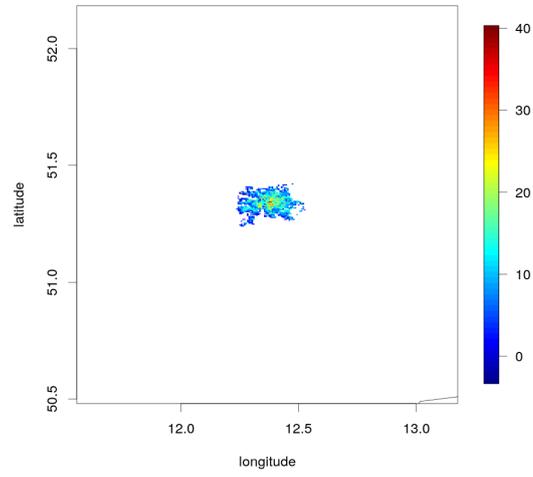


weniger Vegetation

Simulation

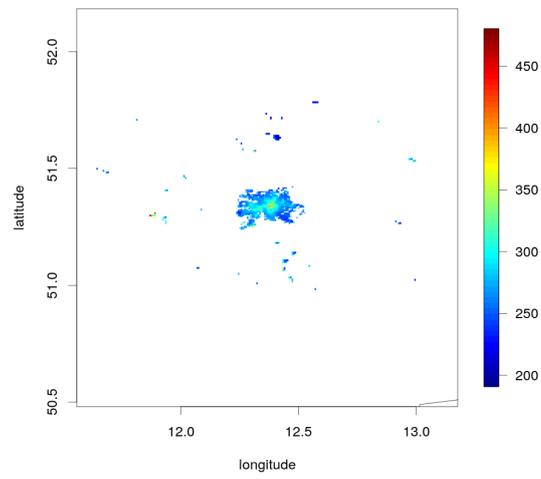


Änderung

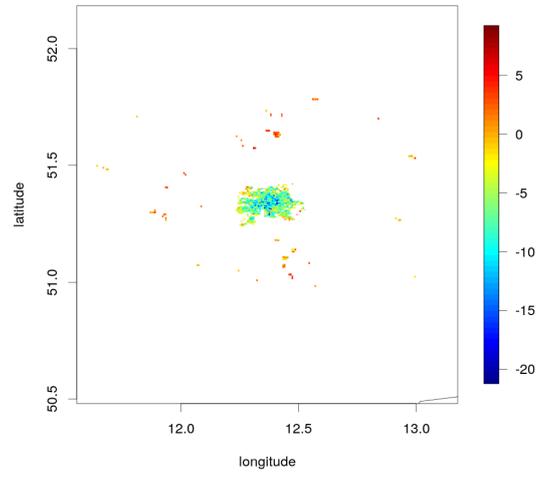


**mehr Vegetation**

Simulation



Änderung

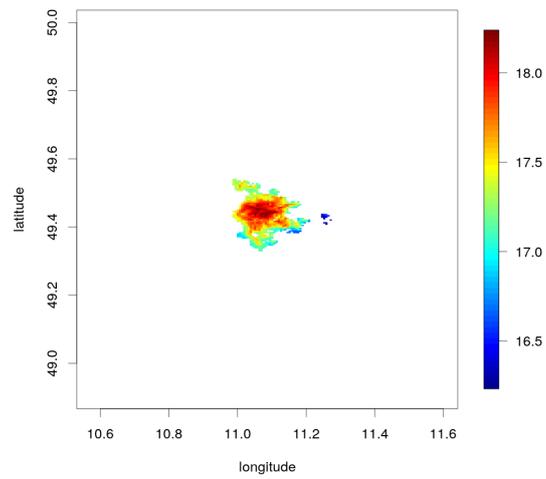


## 13 Nürnberg (1980)

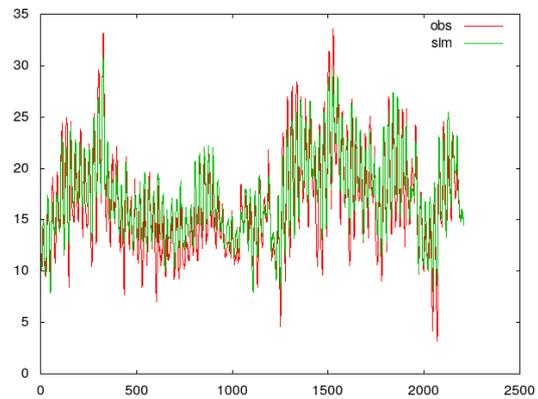
### 13.1 2 m Durchschnittstemperatur

Ist-Zustand

Simulation

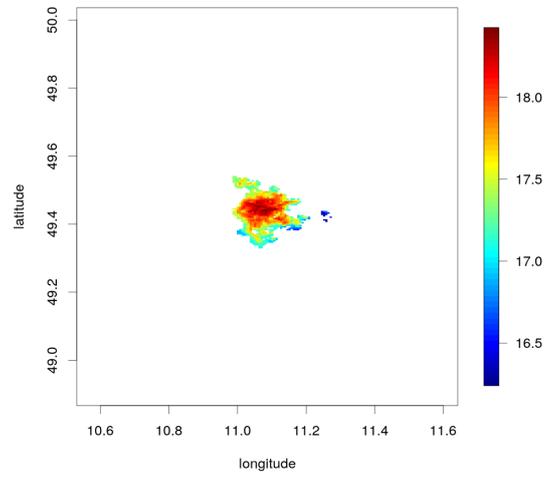


### Validierung (Messstation Nürnberg)

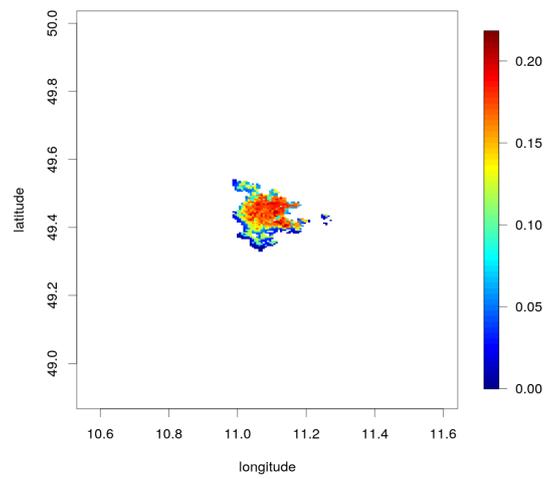


weniger Vegetation

Simulation

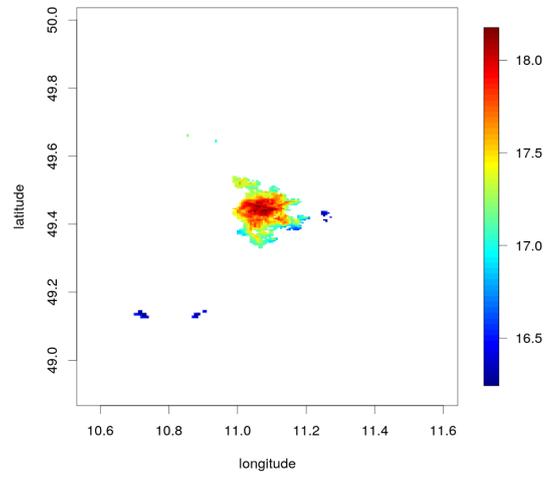


Änderung

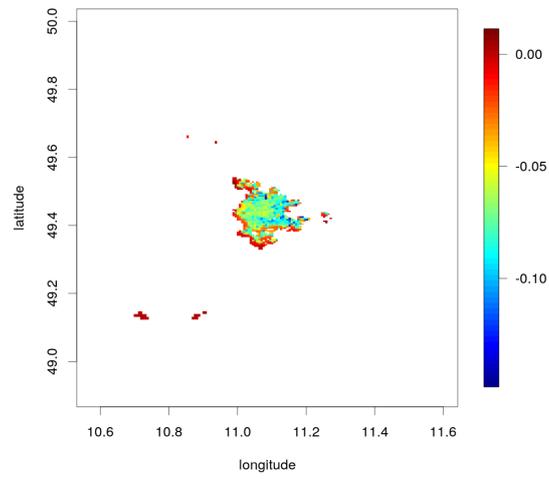


**mehr Vegetation**

Simulation



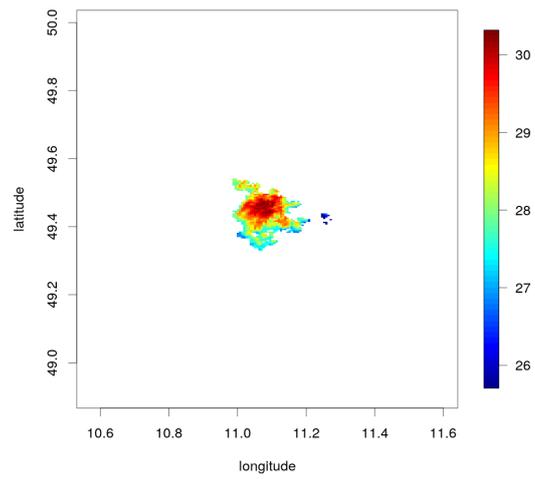
Änderung



## 13.2 2 m Maximumstemperatur

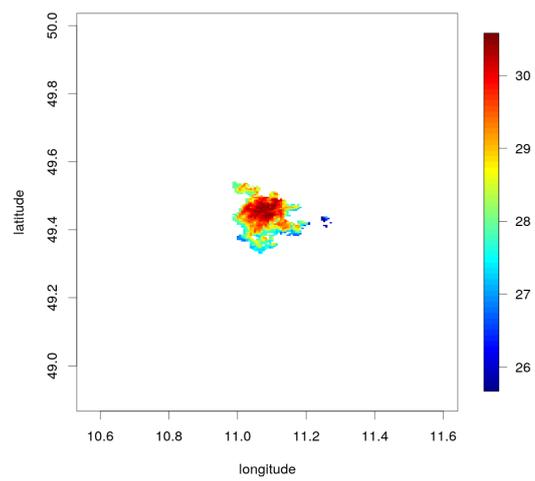
### Ist-Zustand

Simulation

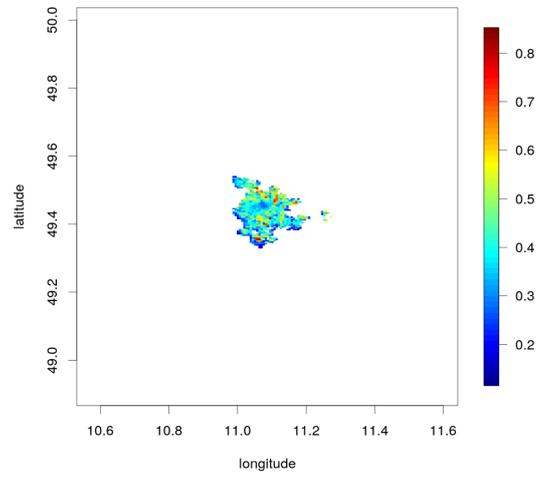


### weniger Vegetation

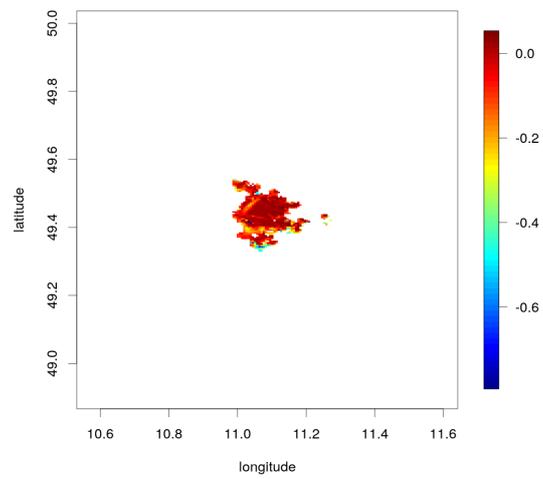
Simulation



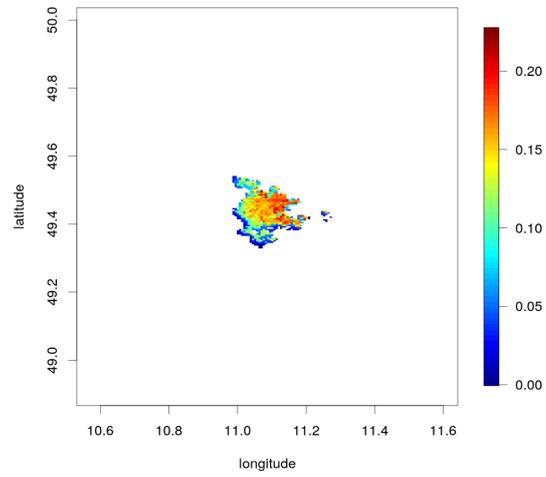
Änderung (cdo timmax)



Änderung (cdo timmin)

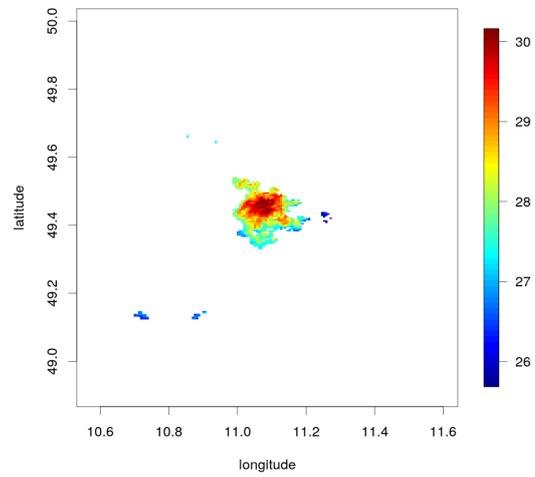


Änderung (cdo timavg)

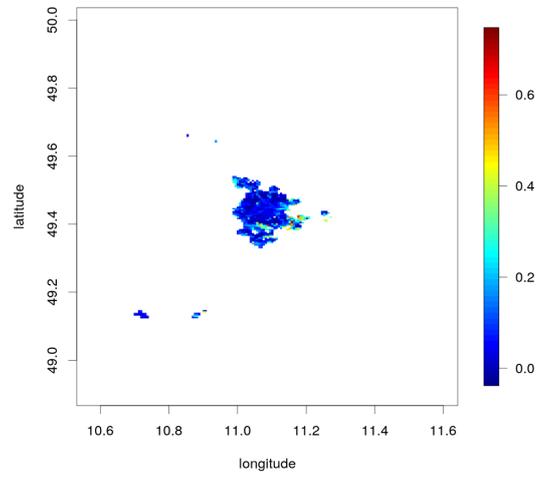


**mehr Vegetation**

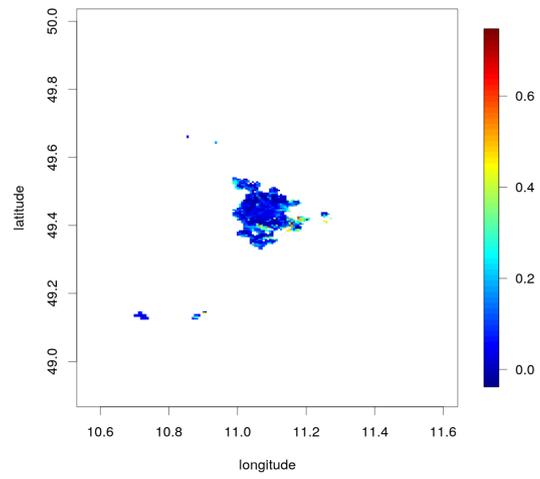
Simulation



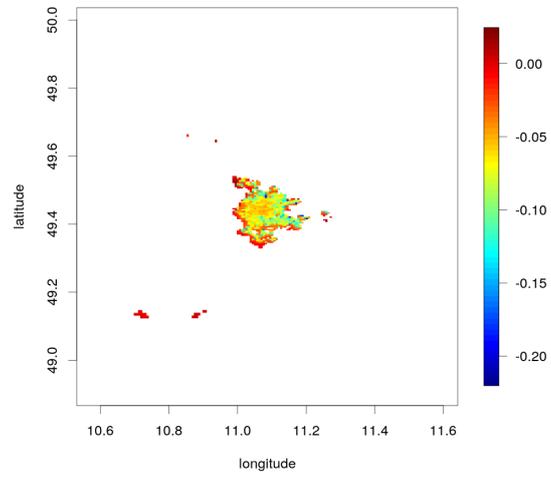
Änderung (cdo timmax)



Änderung (cdo timmin)



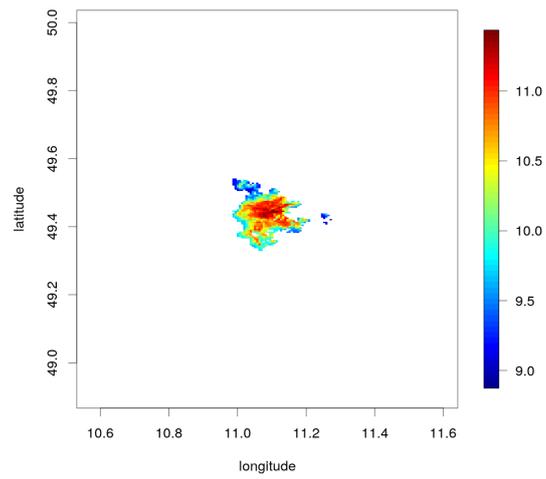
Änderung (cdo timavg)



### 13.3 2 m Minimumstemperatur

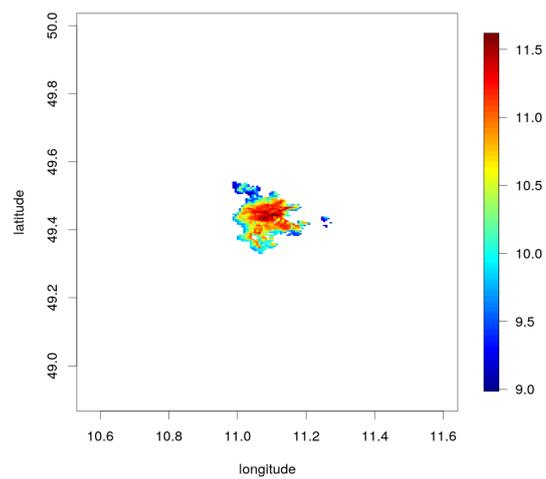
#### Ist-Zustand

Simulation

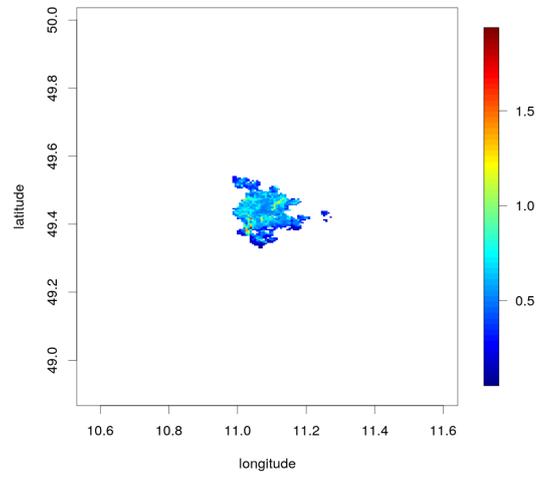


#### weniger Vegetation

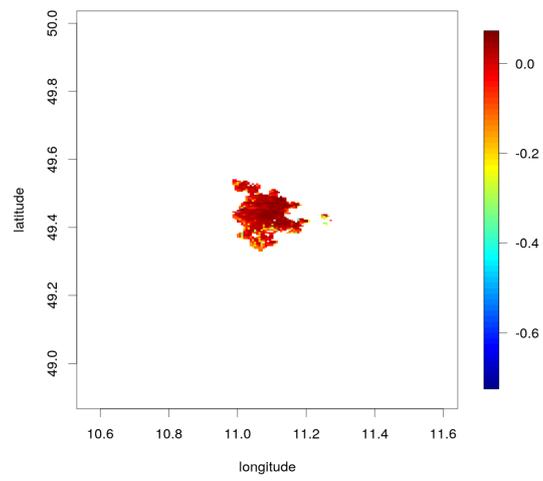
Simulation



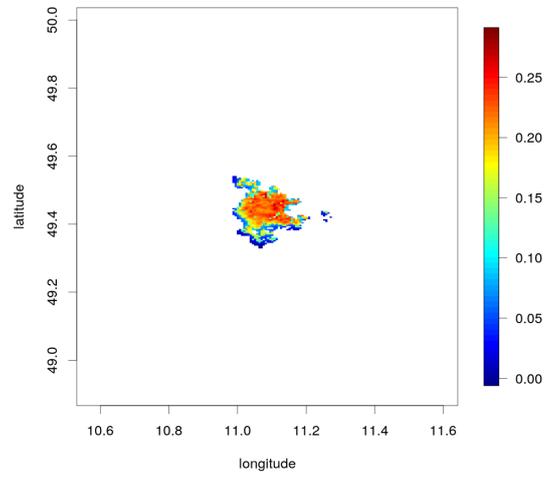
Änderung (cdo timmax)



Änderung (cdo timmin)

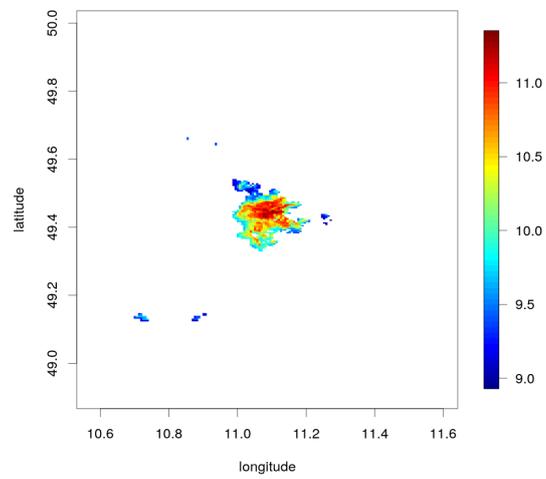


Änderung (cdo timavg)

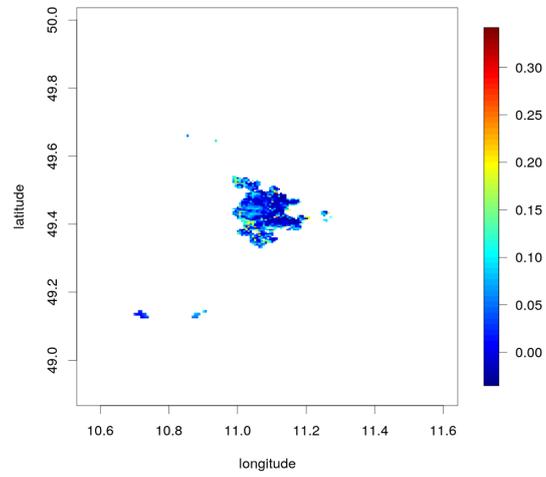


**mehr Vegetation**

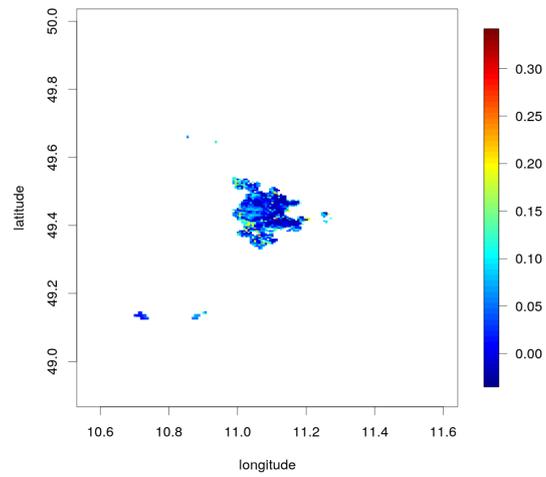
Simulation



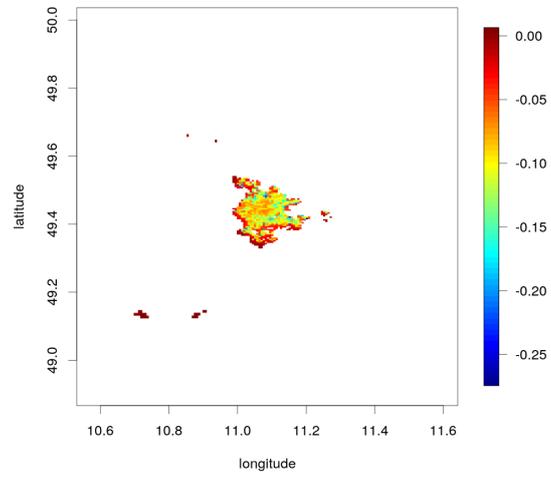
Änderung (cdo timmax)



Änderung (cdo timmin)



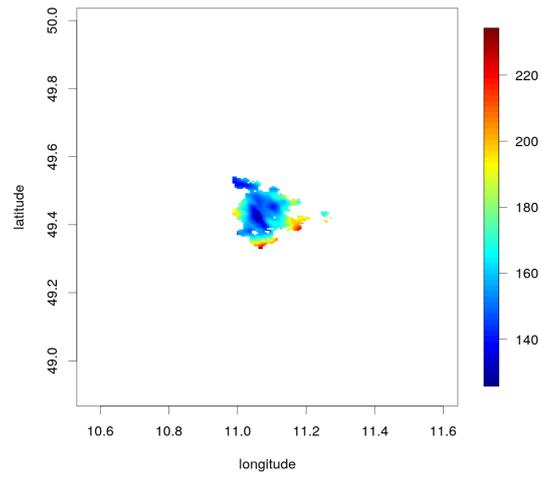
Änderung (cdo timavg)



## 13.4 Niederschlag

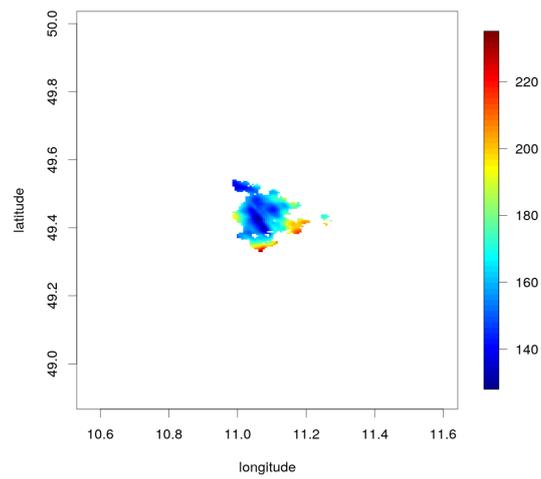
Ist-Zustand

Simulation

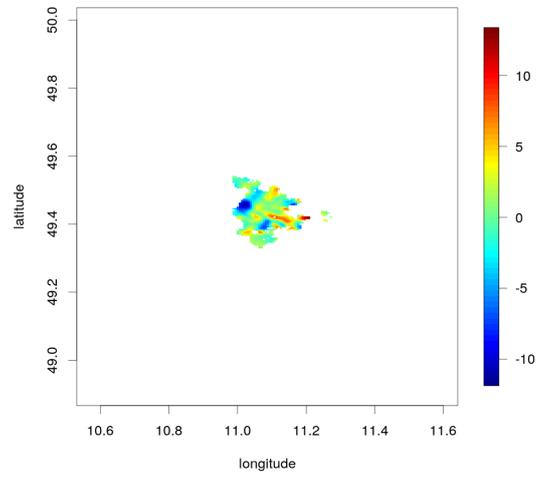


weniger Vegetation

Simulation

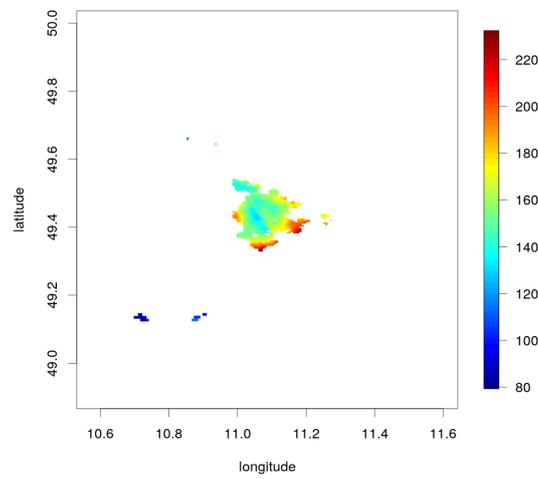


Änderung

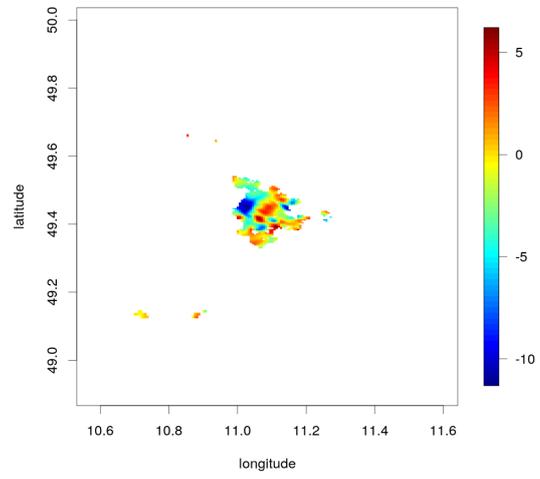


**mehr Vegetation**

Simulation



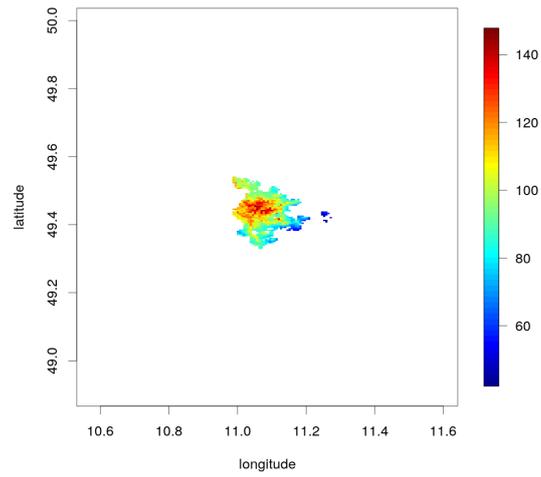
Änderung



### 13.5 Stunden über 25 °C

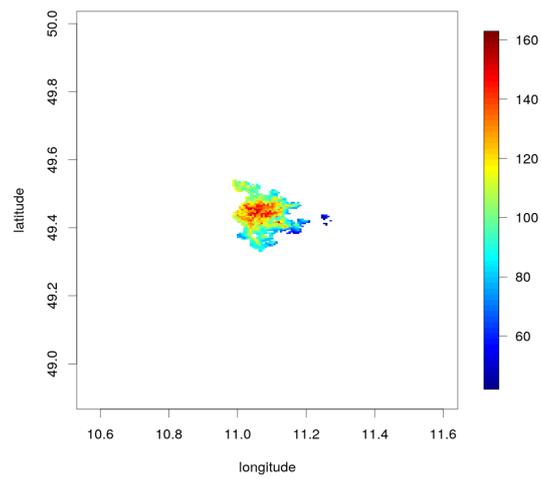
Ist-Zustand

Simulation

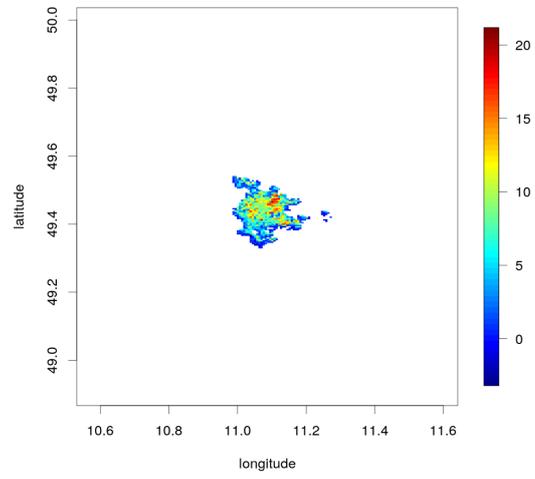


weniger Vegetation

Simulation

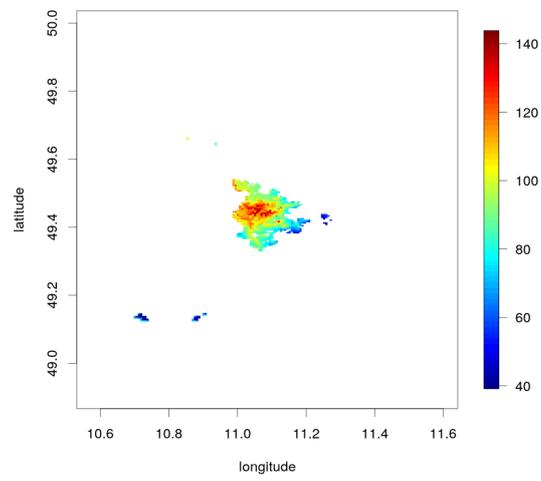


Änderung

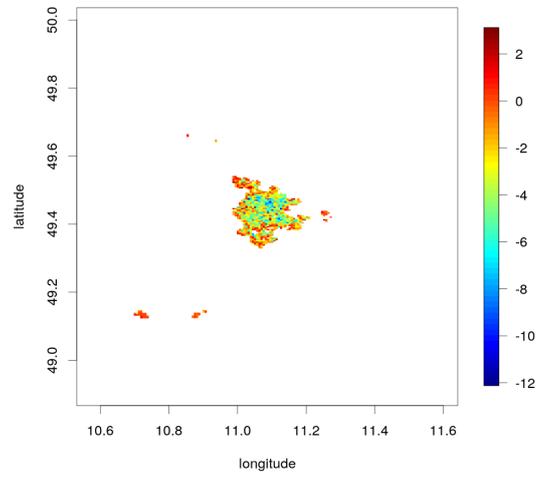


### **mehr Vegetation**

Simulation



Änderung

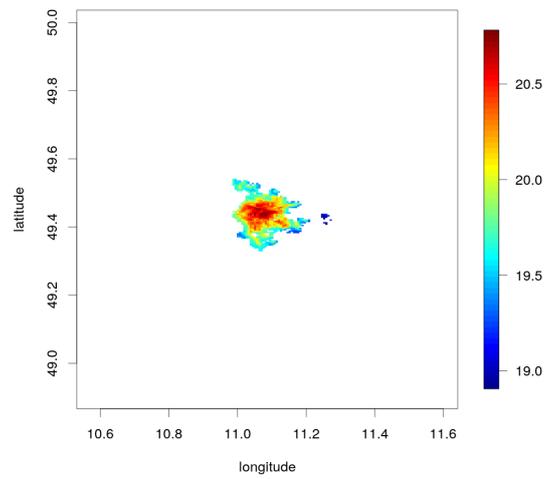


## 14 Nürnberg (1989)

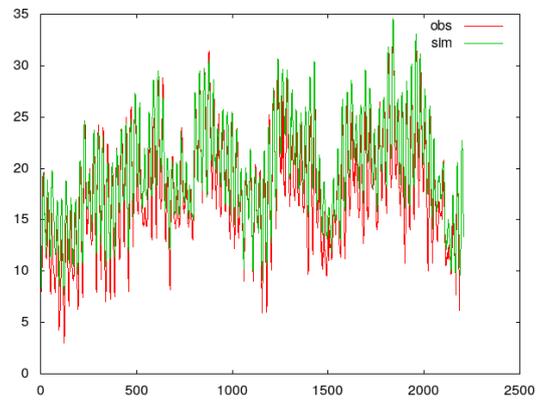
### 14.1 2 m Durchschnittstemperatur

Ist-Zustand

Simulation

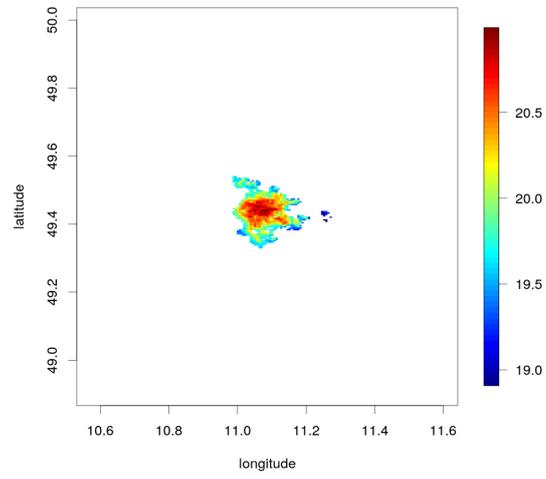


### Validierung (Messstation Nürnberg)

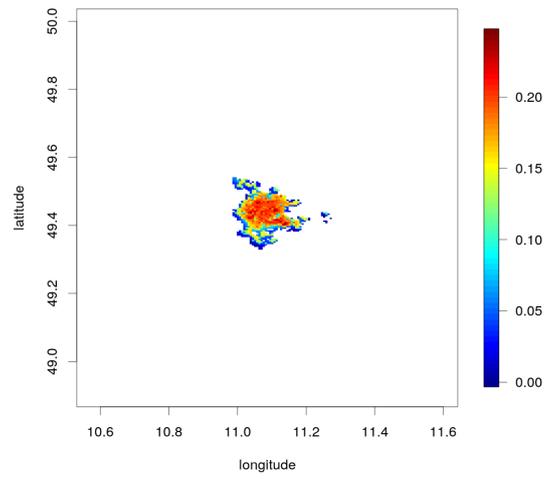


weniger Vegetation

Simulation

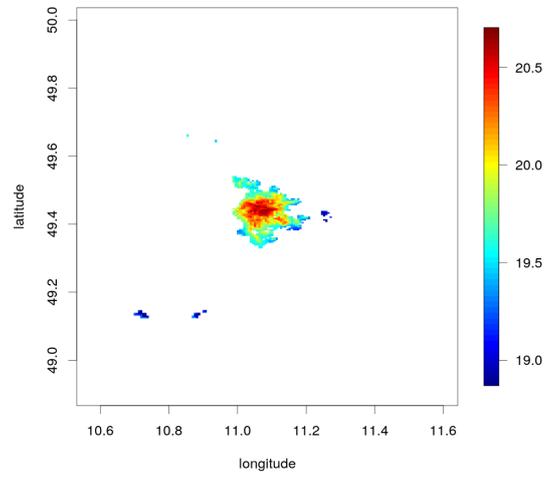


Änderung

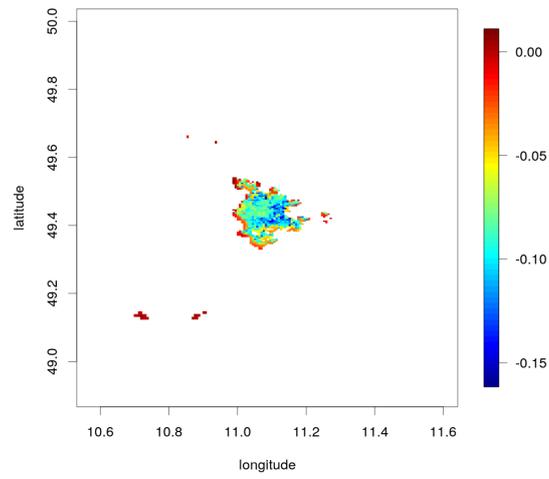


**mehr Vegetation**

Simulation



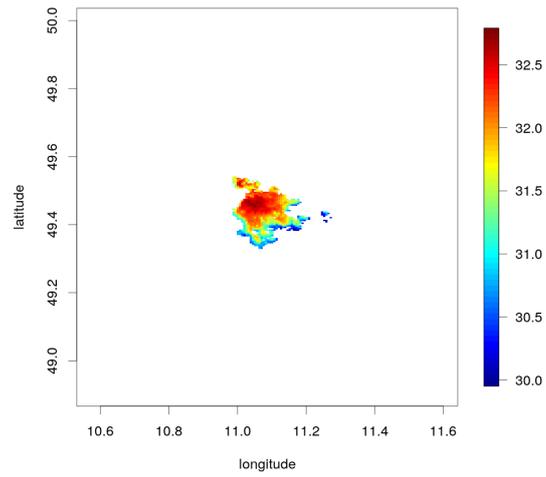
Änderung



## 14.2 2 m Maximumstemperatur

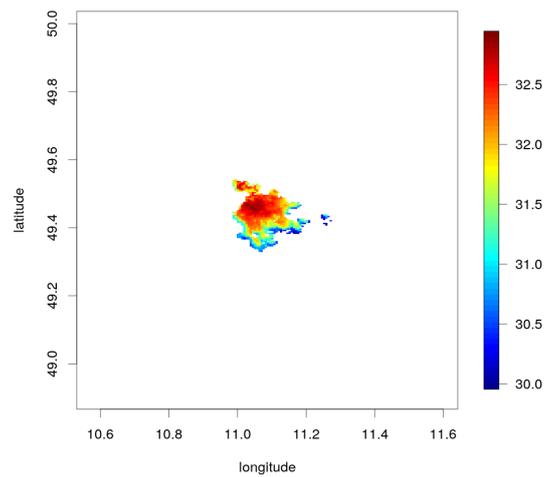
### Ist-Zustand

Simulation

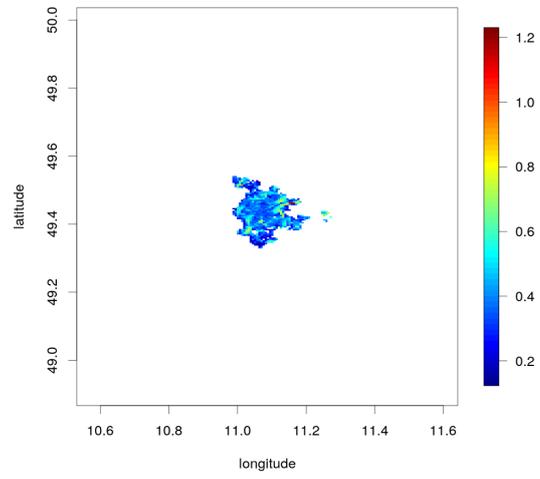


### weniger Vegetation

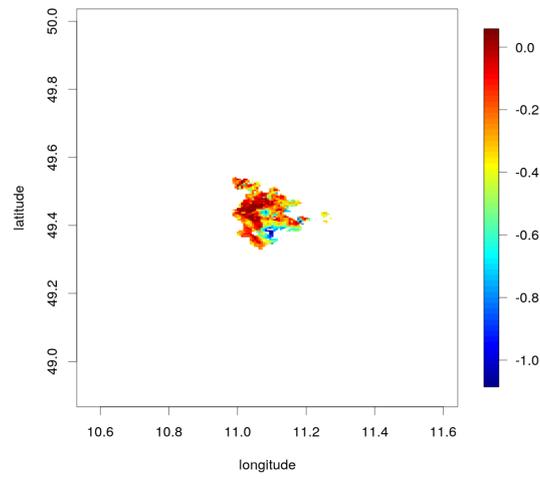
Simulation



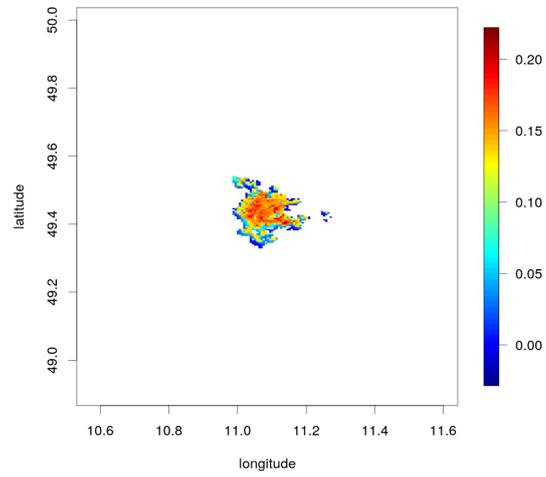
Änderung (cdo timmax)



Änderung (cdo timmin)

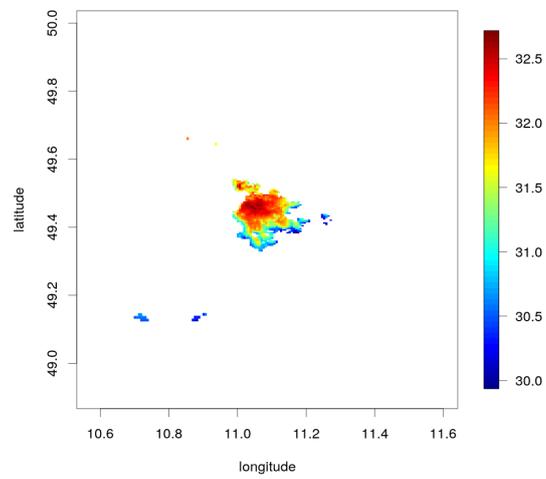


Änderung (cdo timavg)

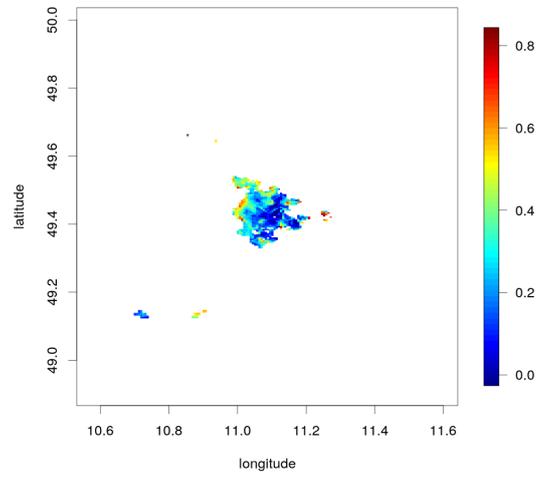


**mehr Vegetation**

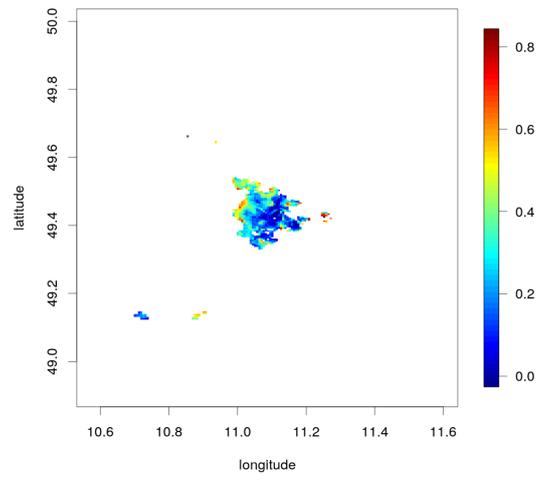
Simulation



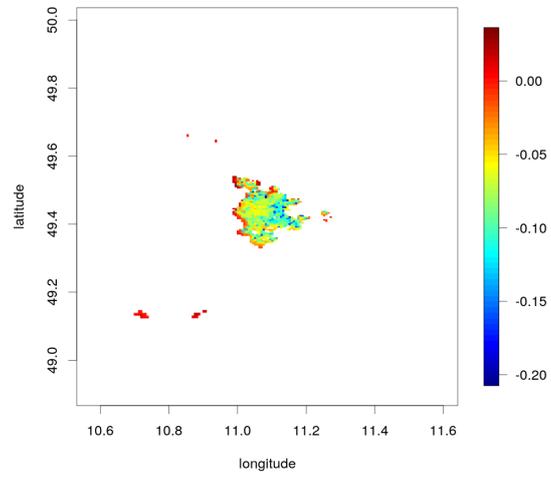
Änderung (cdo timmax)



Änderung (cdo timmin)



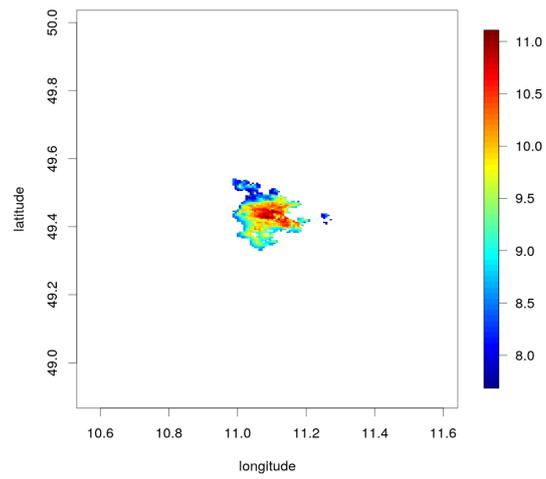
Änderung (cdo timavg)



### 14.3 2 m Minimumstemperatur

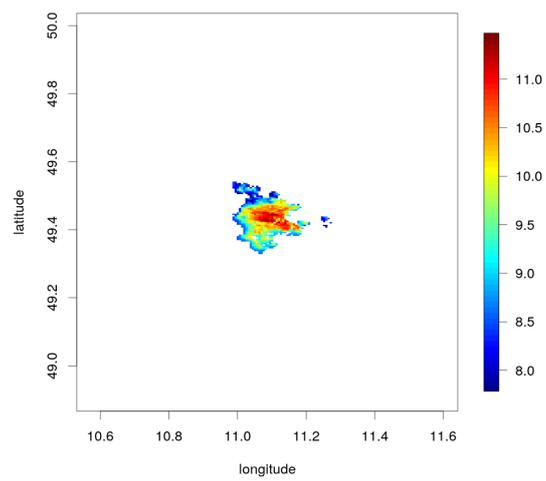
Ist-Zustand

Simulation

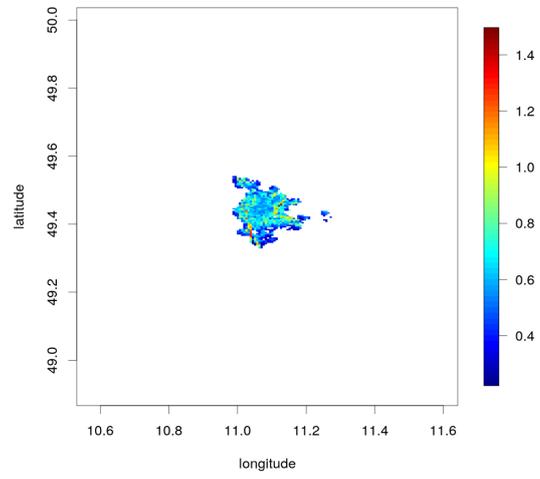


weniger Vegetation

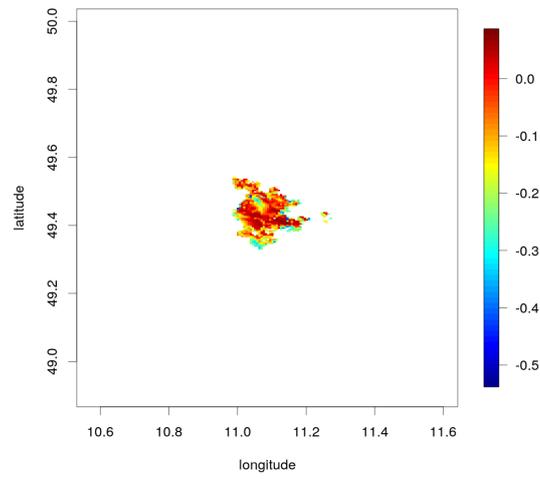
Simulation



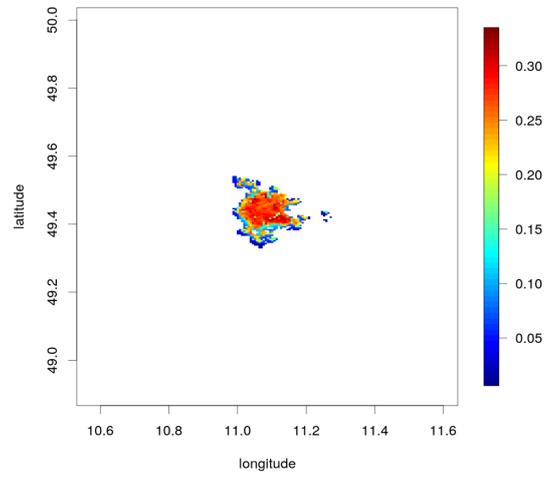
Änderung (cdo timmax)



Änderung (cdo timmin)

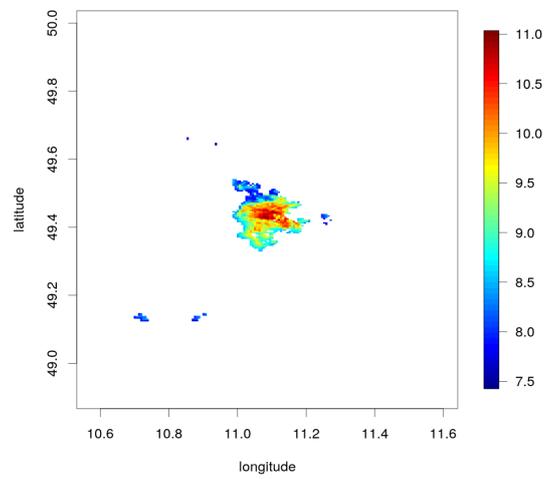


Änderung (cdo timavg)

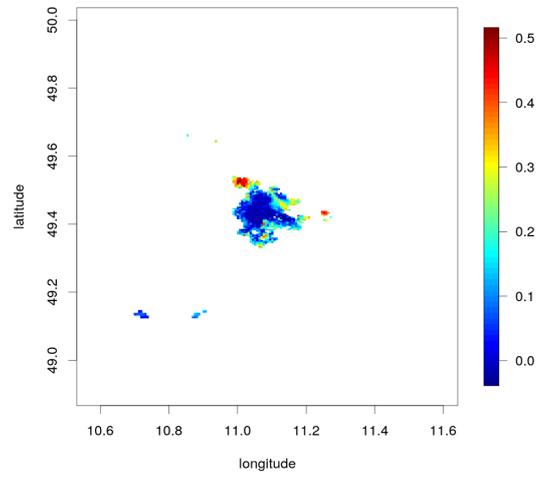


**mehr Vegetation**

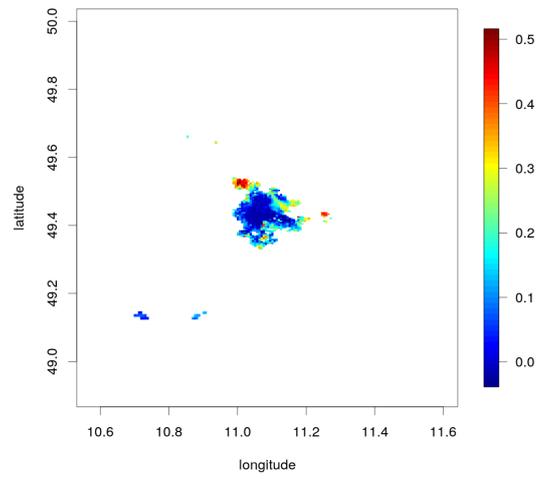
Simulation



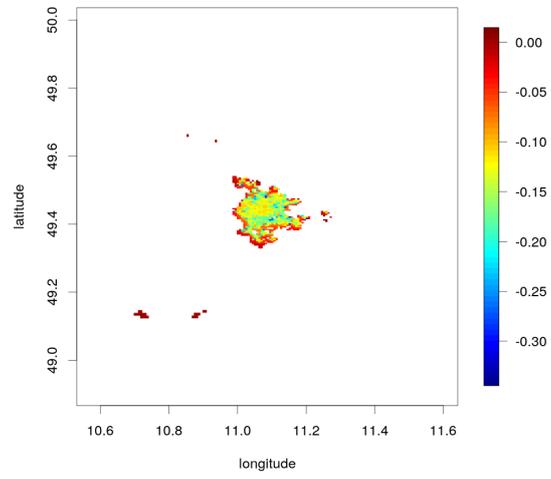
Änderung (cdo timmax)



Änderung (cdo timmin)



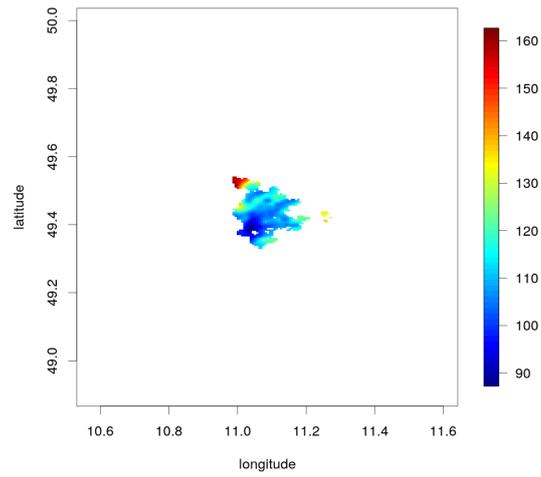
Änderung (cdo timavg)



## 14.4 Niederschlag

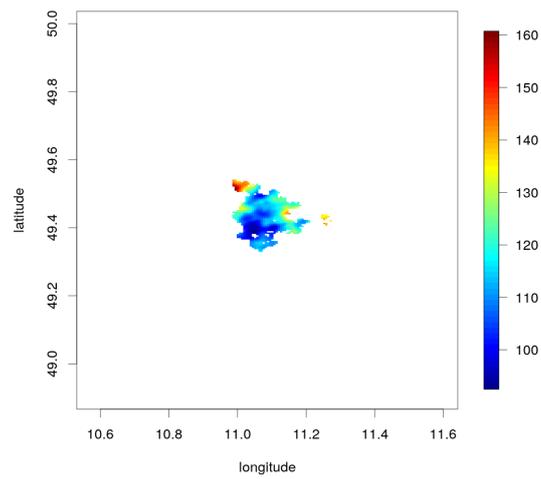
Ist-Zustand

Simulation

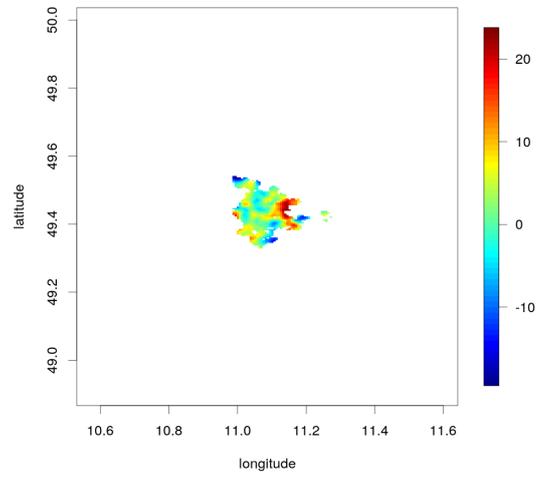


weniger Vegetation

Simulation

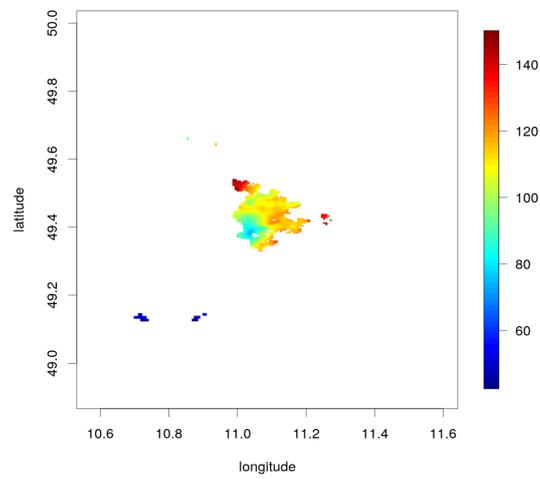


Änderung

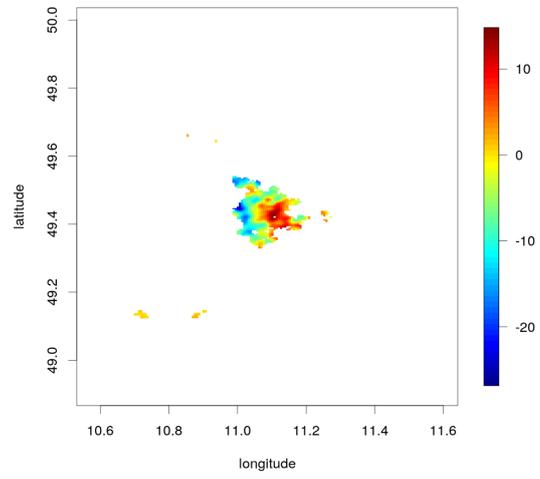


### **mehr Vegetation**

Simulation



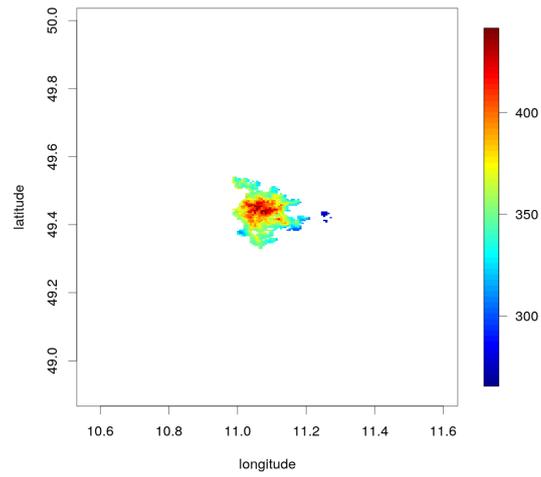
Änderung



## 14.5 Stunden über 25 °C

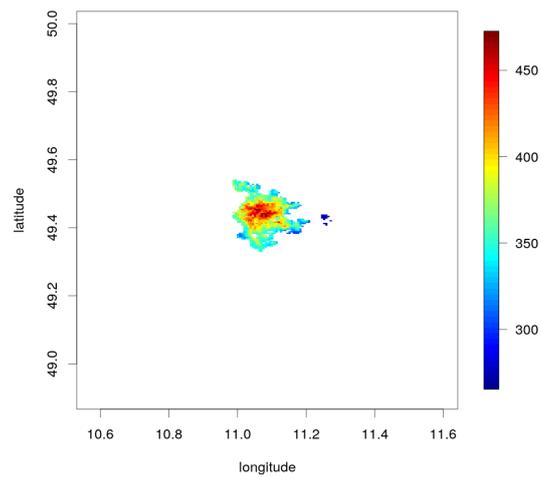
Ist-Zustand

Simulation

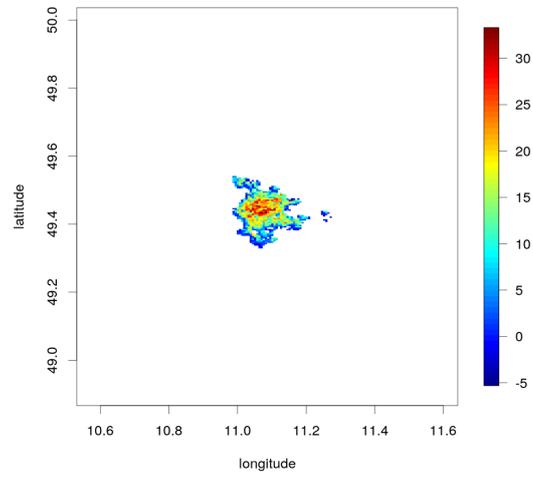


weniger Vegetation

Simulation

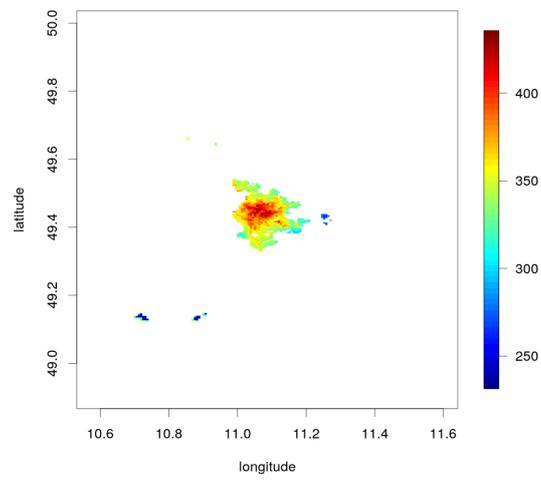


Änderung

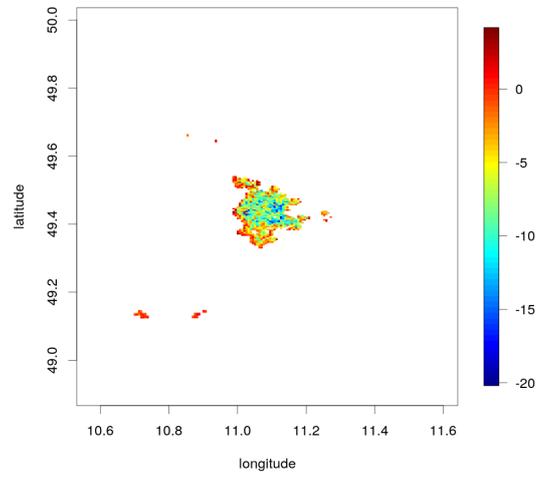


**mehr Vegetation**

Simulation



Änderung

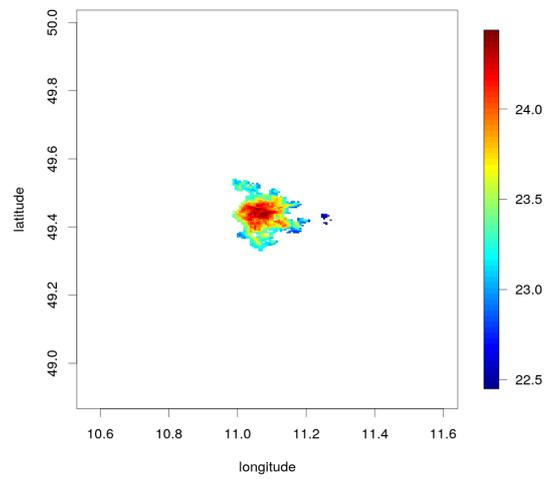


## 15 Nürnberg (2003)

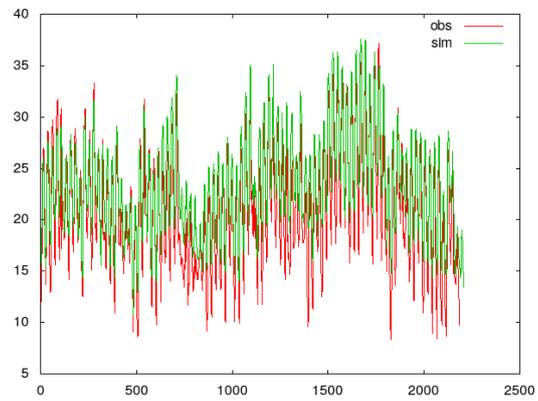
### 15.1 2 m Durchschnittstemperatur

Ist-Zustand

Simulation

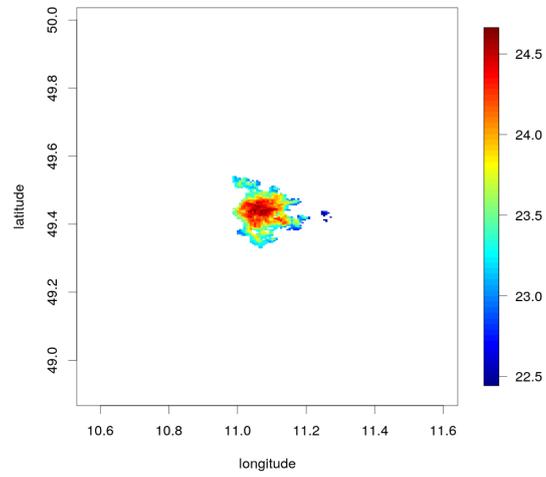


### Validierung (Messstation Nürnberg)

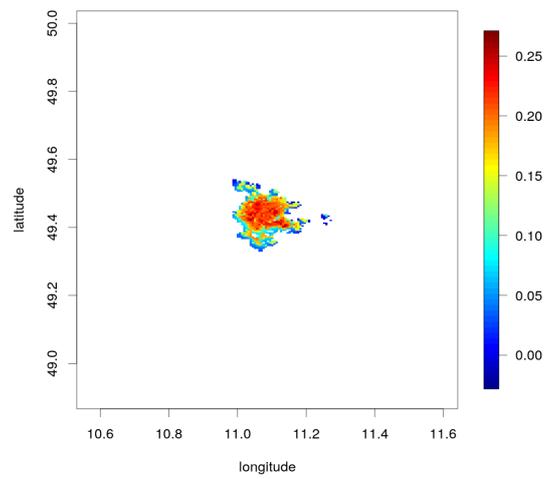


weniger Vegetation

Simulation

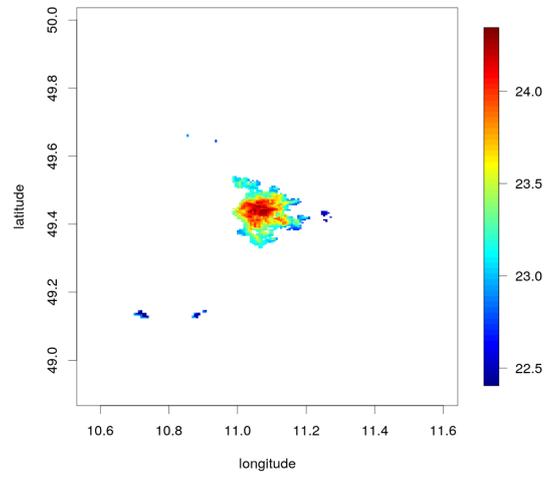


Änderung

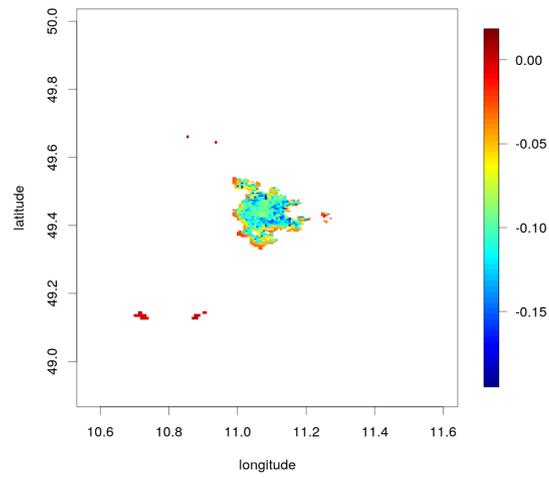


**mehr Vegetation**

Simulation



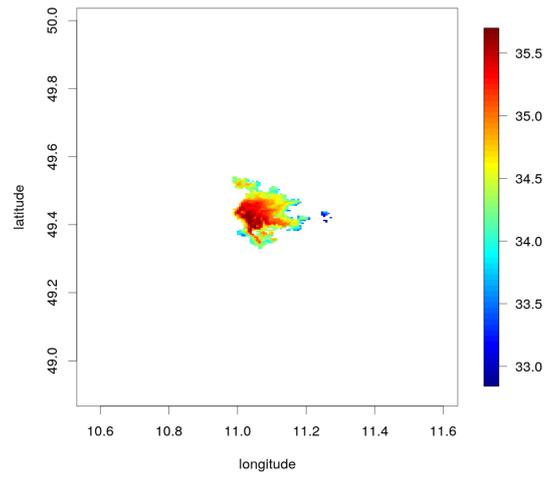
Änderung



## 15.2 2 m Maximumstemperatur

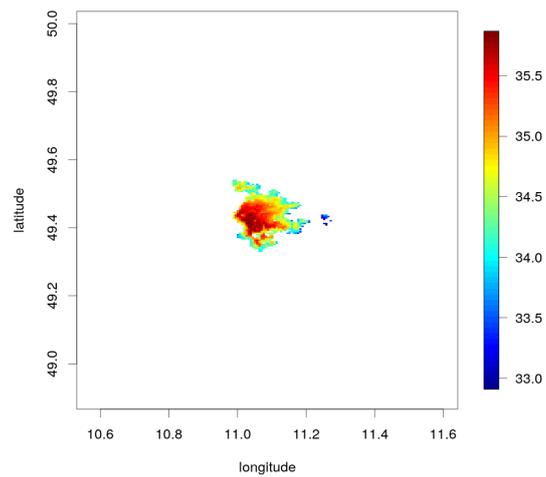
Ist-Zustand

Simulation

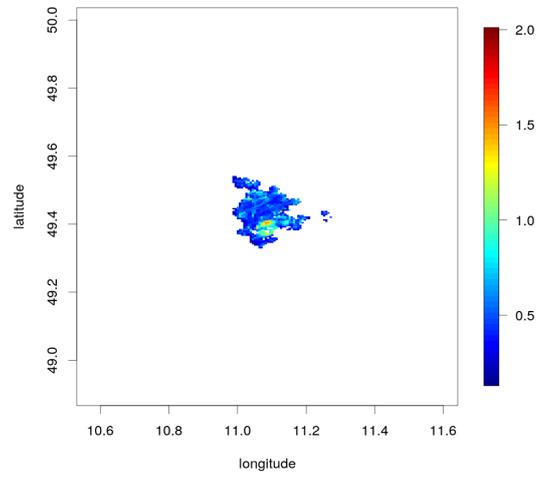


weniger Vegetation

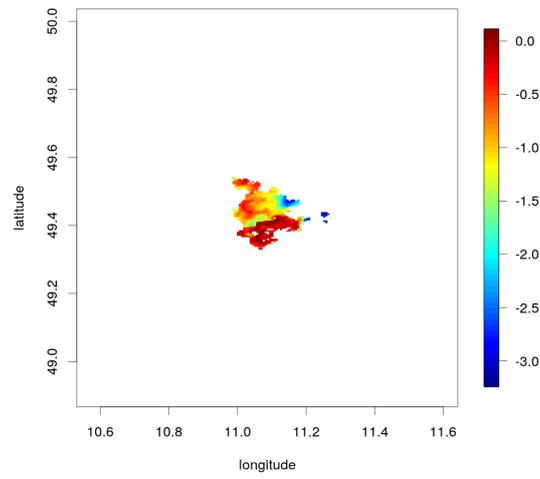
Simulation



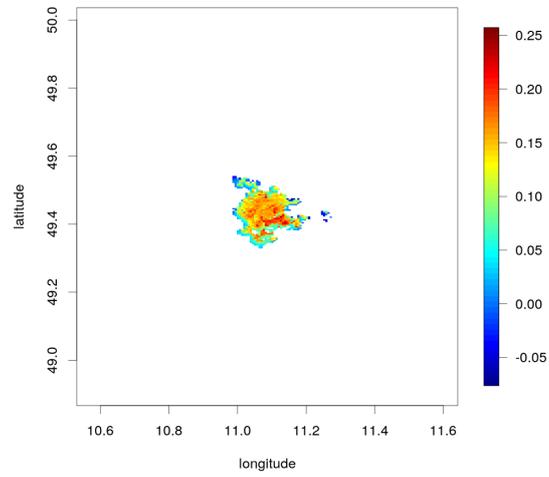
Änderung (cdo timmax)



Änderung (cdo timmin)

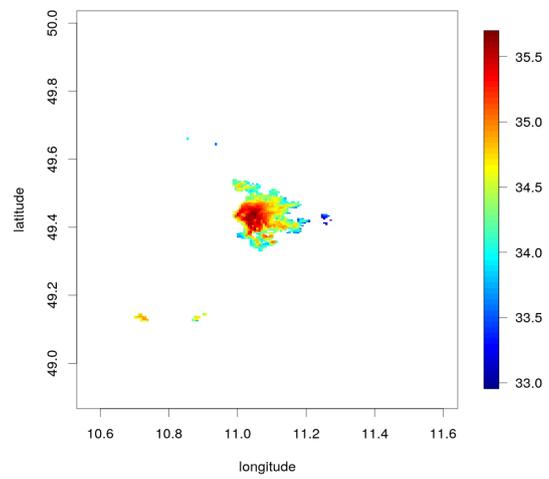


Änderung (cdo timavg)

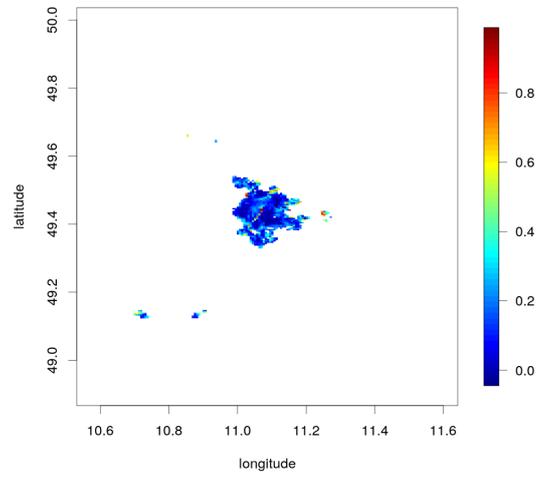


**mehr Vegetation**

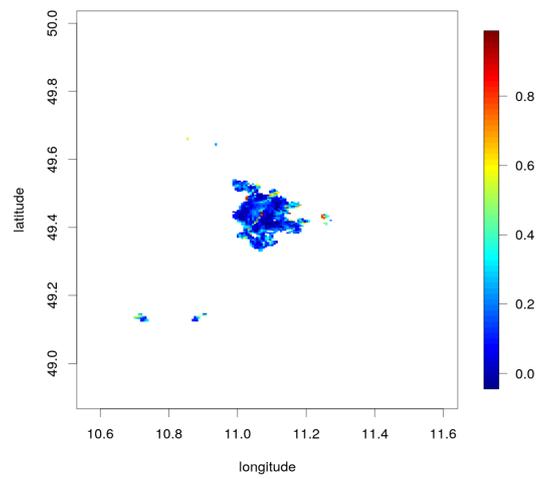
Simulation



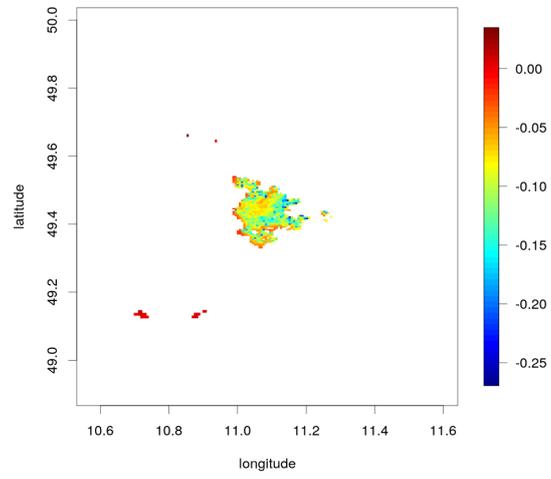
Änderung (cdo timmax)



Änderung (cdo timmin)



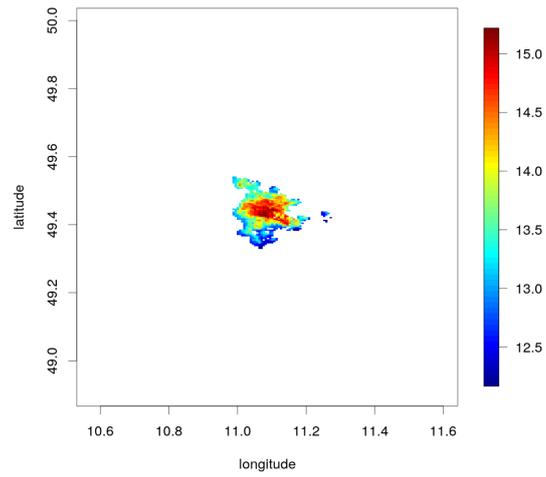
Änderung (cdo timavg)



### 15.3 2 m Minimumstemperatur

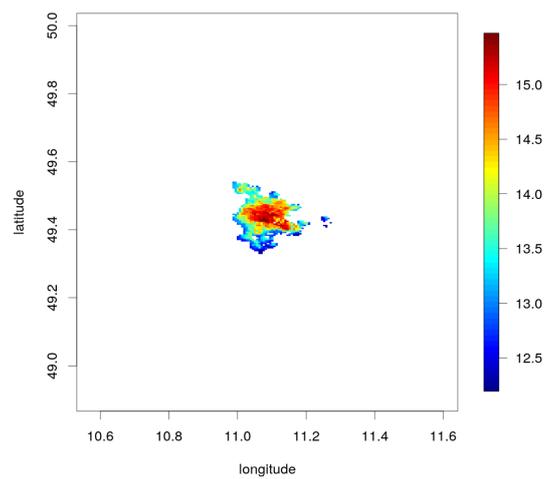
Ist-Zustand

Simulation

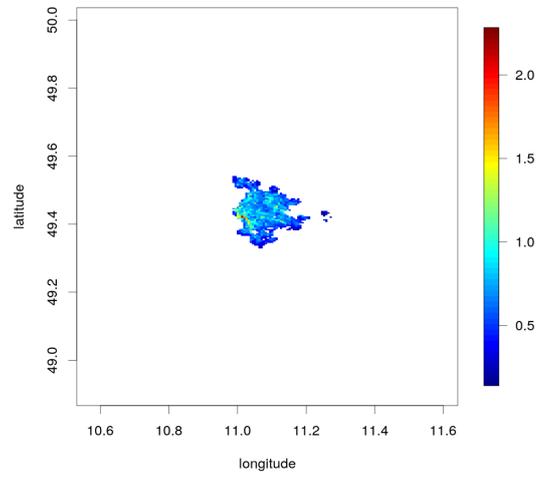


weniger Vegetation

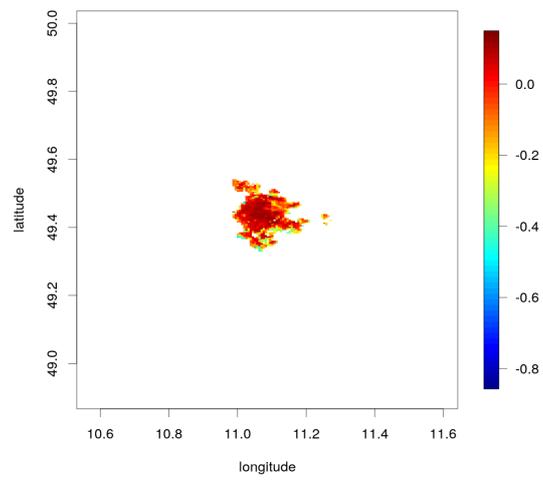
Simulation



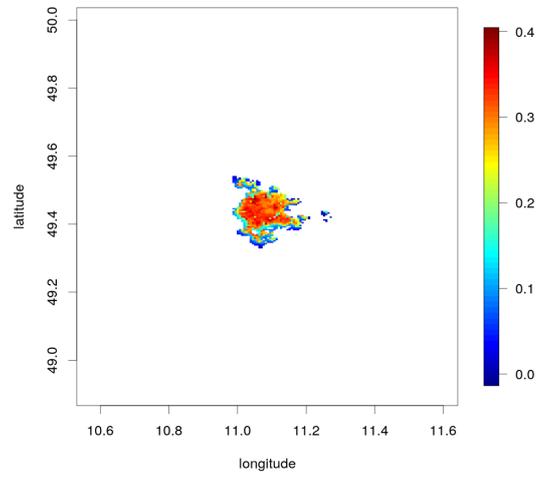
Änderung (cdo timmax)



Änderung (cdo timmin)

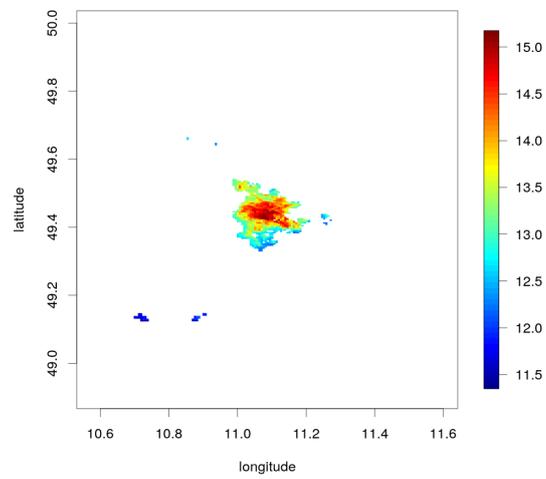


Änderung (cdo timavg)

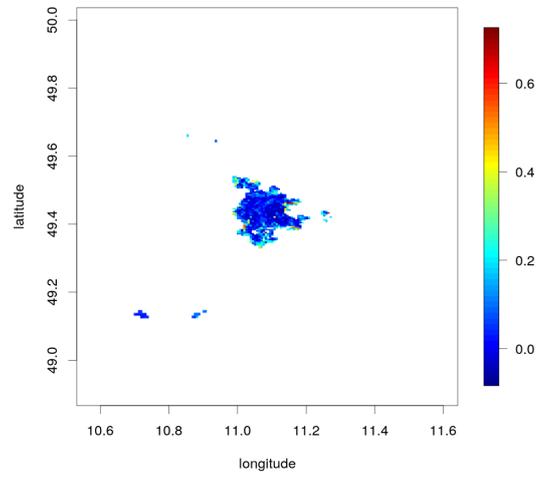


**mehr Vegetation**

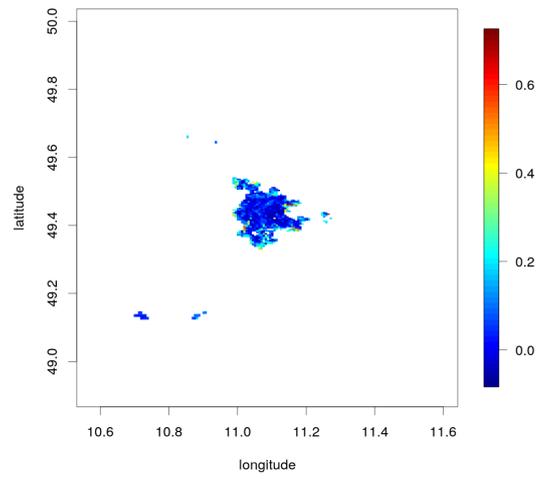
Simulation



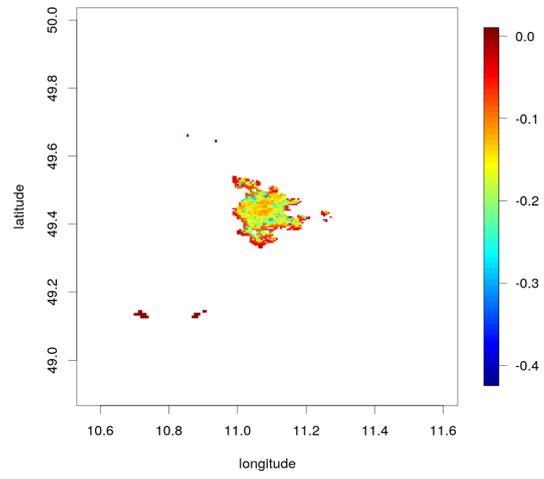
Änderung (cdo timmax)



Änderung (cdo timmin)



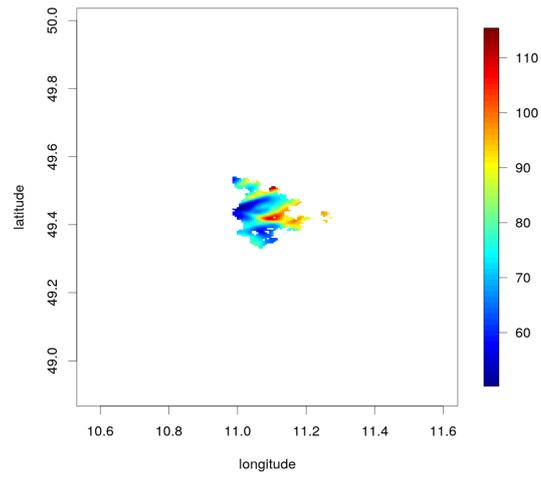
Änderung (cdo timavg)



## 15.4 Niederschlag

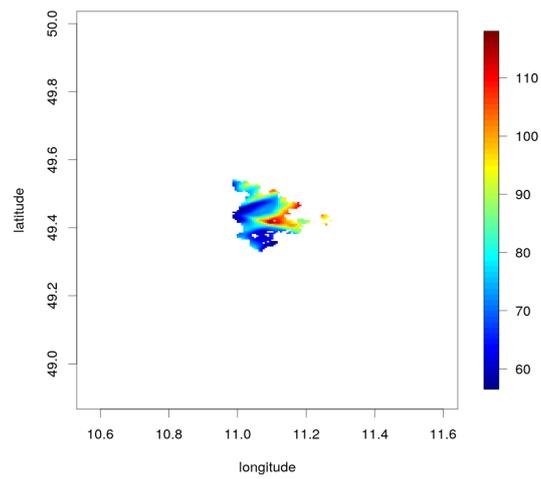
Ist-Zustand

Simulation

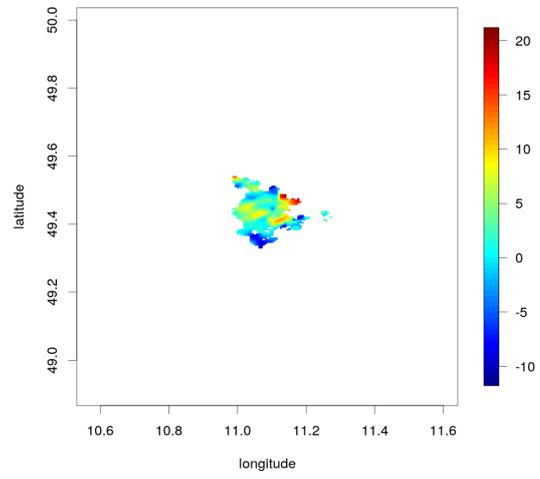


weniger Vegetation

Simulation

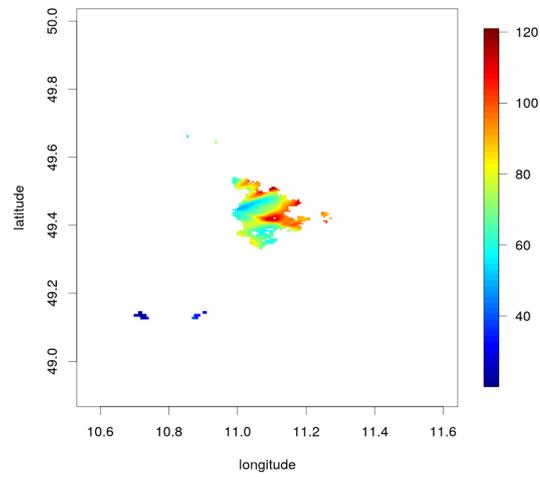


Änderung

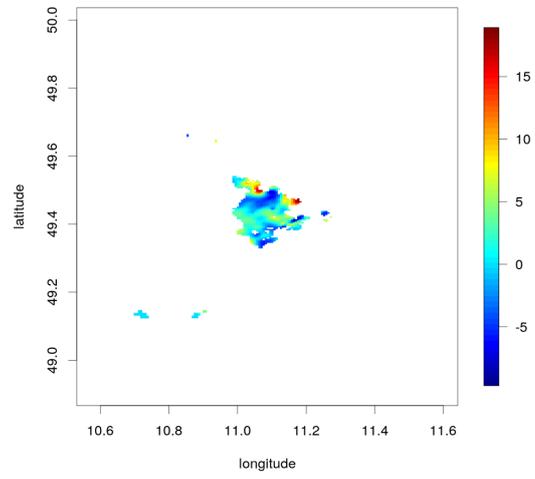


### **mehr Vegetation**

Simulation



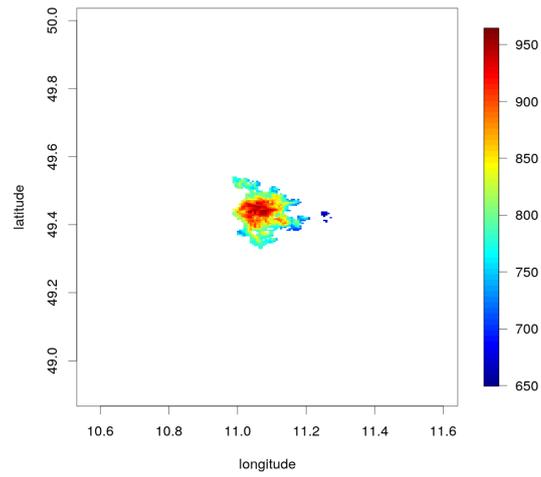
Änderung



## 15.5 Stunden über 25 °C

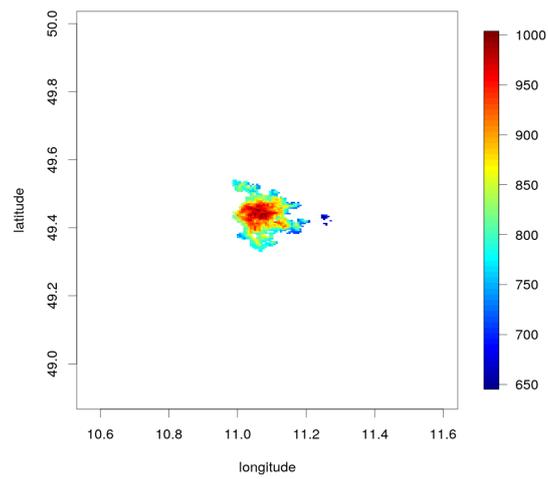
### Ist-Zustand

Simulation

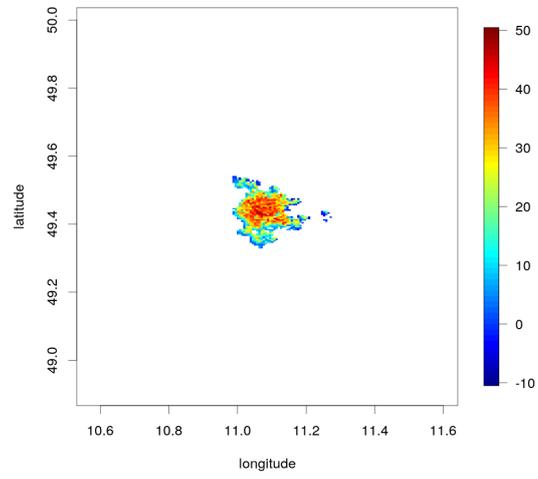


### weniger Vegetation

Simulation

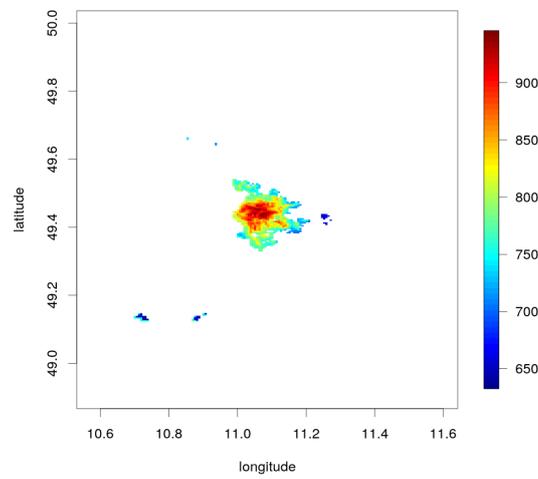


Änderung

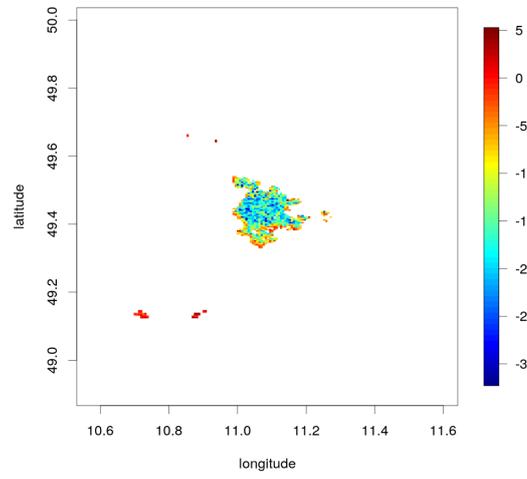


**mehr Vegetation**

Simulation



Änderung

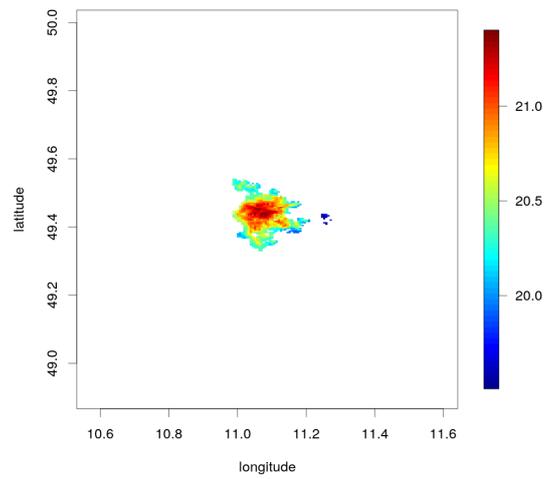


## 16 Nürnberg (2012)

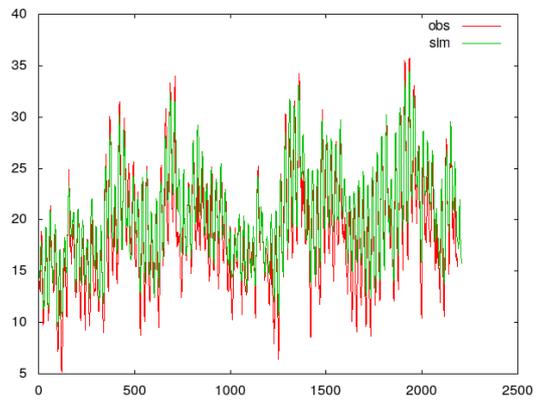
### 16.1 2 m Durchschnittstemperatur

Ist-Zustand

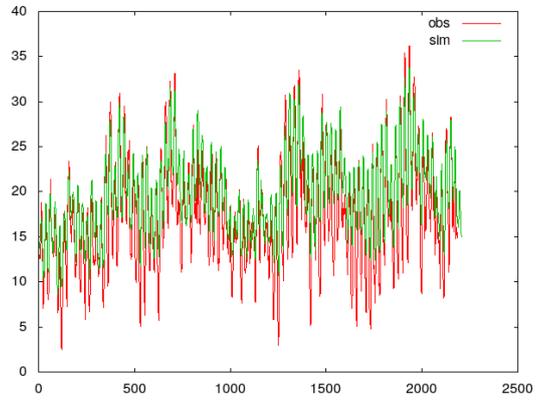
Simulation



### Validierung (Messstation Nürnberg)

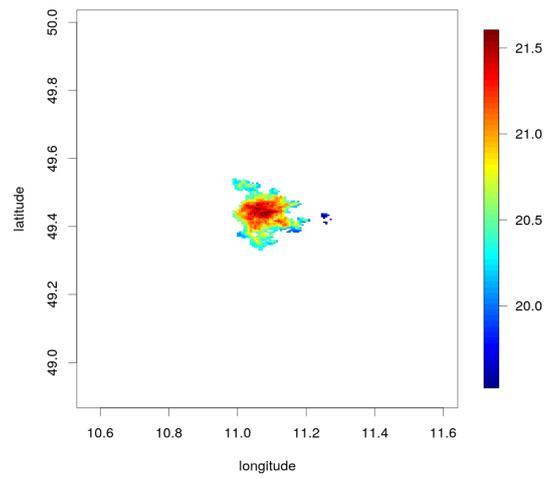


### Validierung (Messstation Nürnberg-Netzstall)

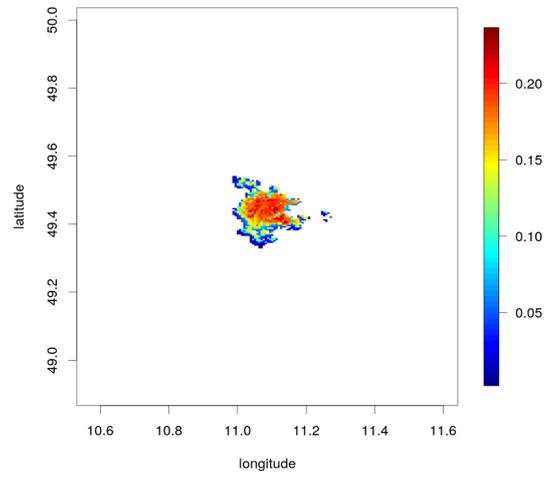


### weniger Vegetation

Simulation

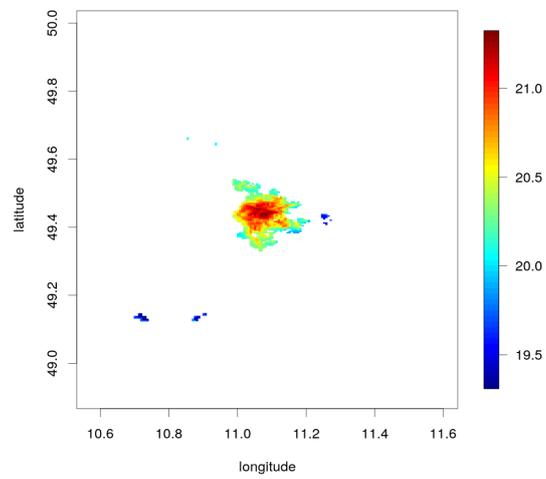


Änderung

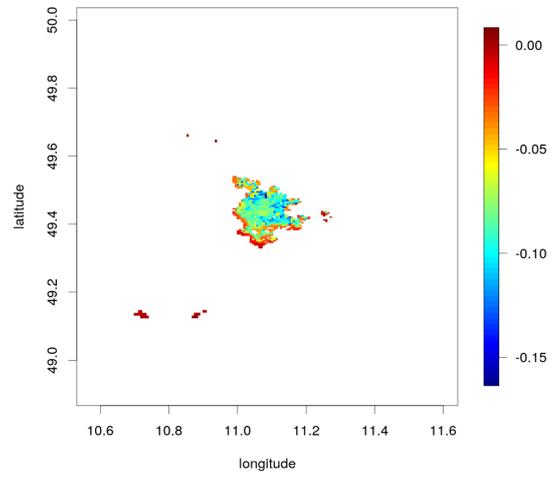


**mehr Vegetation**

Simulation



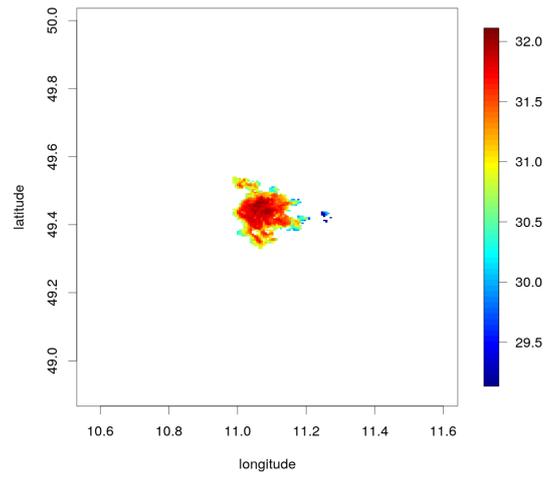
Änderung



## 16.2 2 m Maximumstemperatur

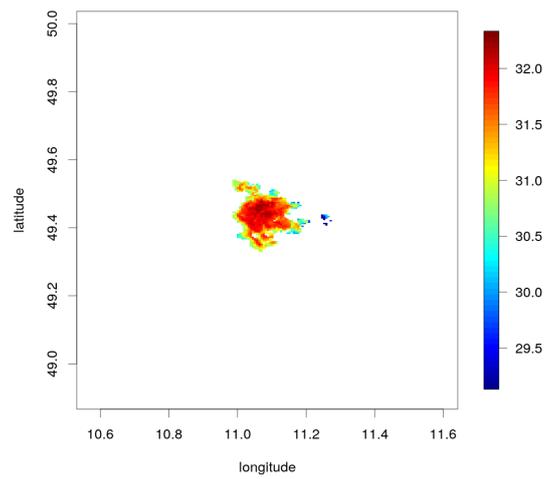
### Ist-Zustand

Simulation

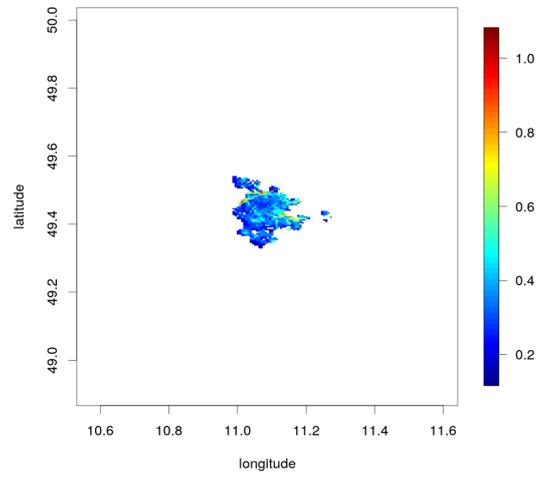


### weniger Vegetation

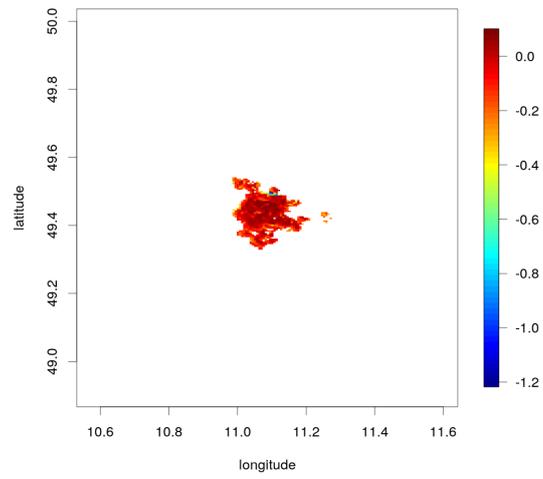
Simulation



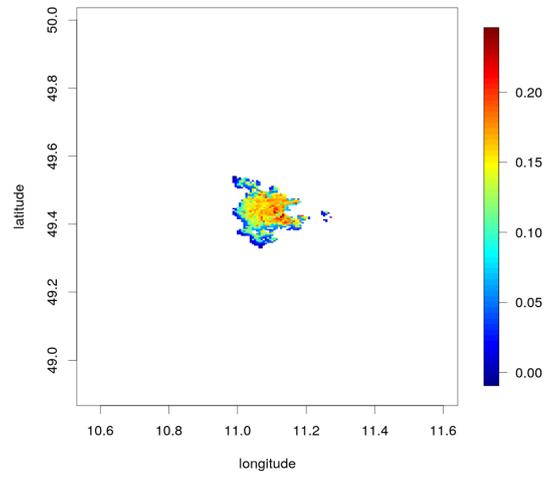
Änderung (cdo timmax)



Änderung (cdo timmin)

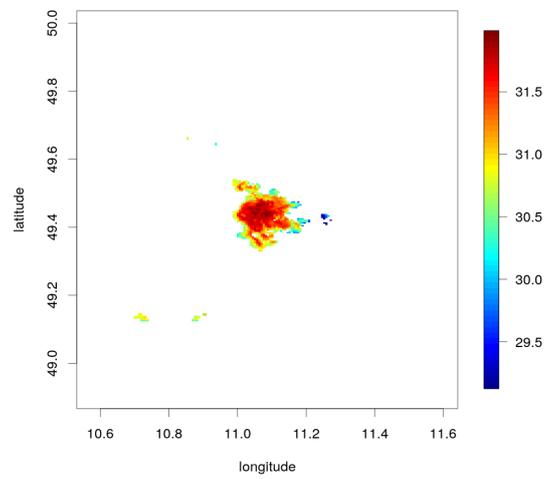


Änderung (cdo timavg)

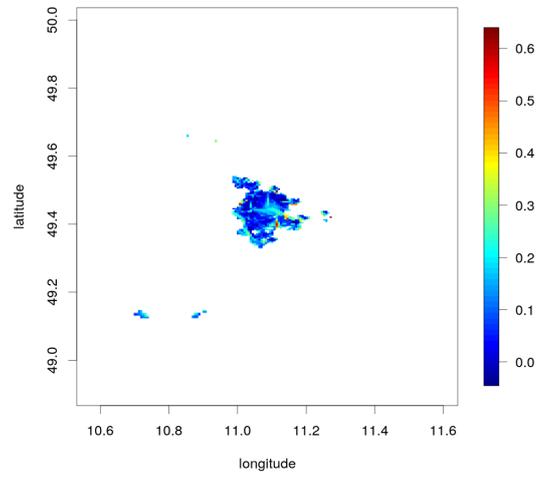


**mehr Vegetation**

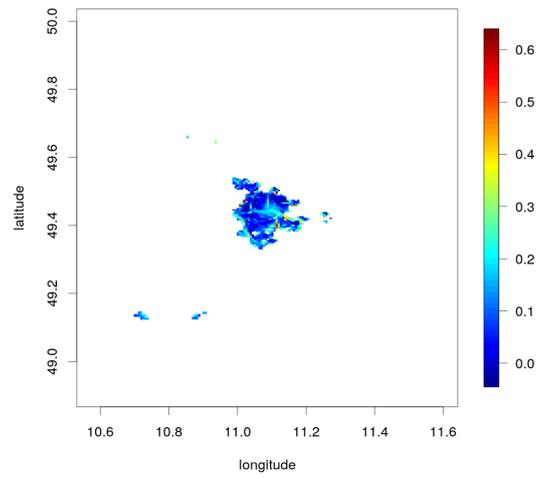
Simulation



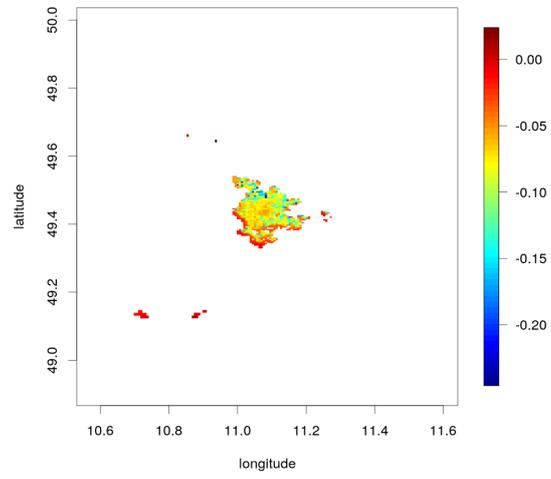
Änderung (cdo timmax)



Änderung (cdo timmin)



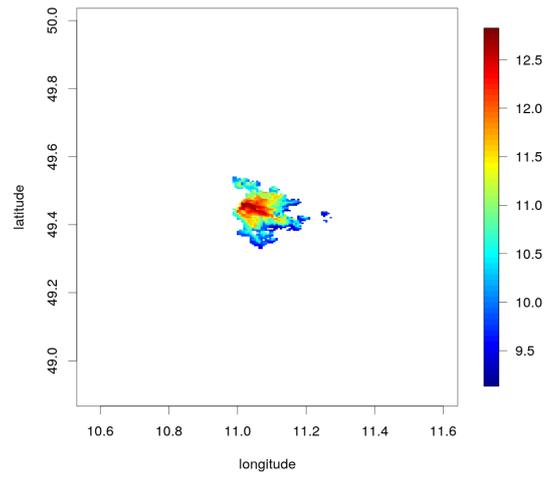
Änderung (cdo timavg)



## 16.3 2 m Minimumstemperatur

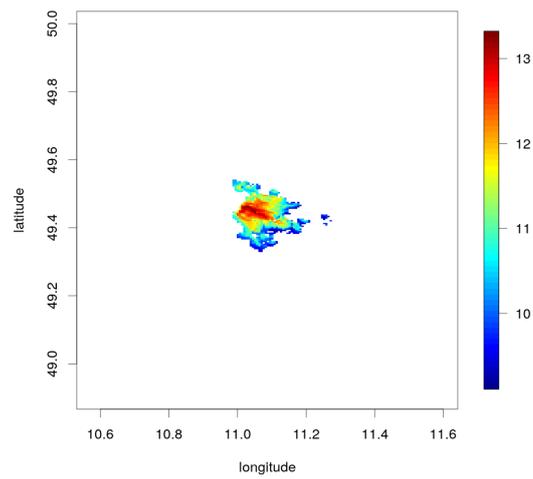
### Ist-Zustand

Simulation

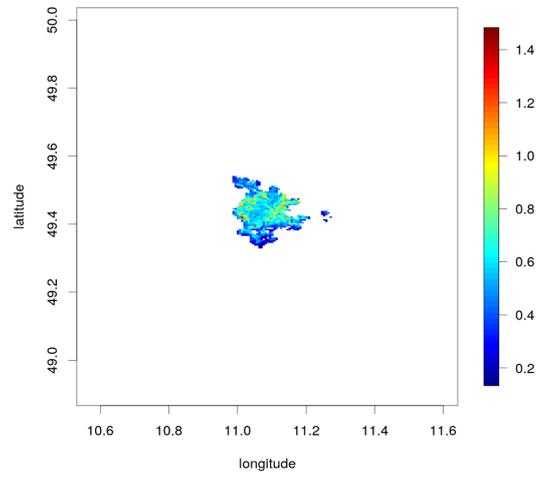


### weniger Vegetation

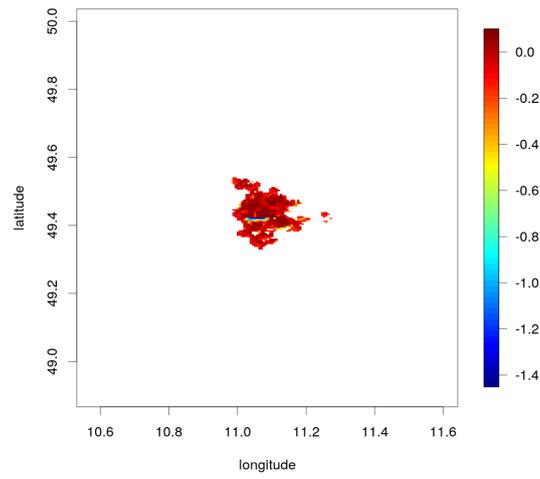
Simulation



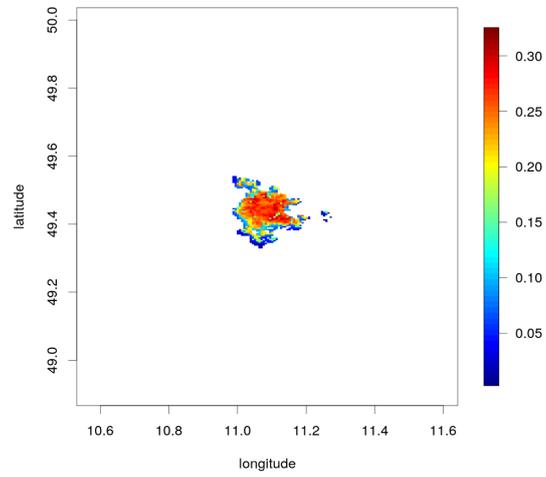
Änderung (cdo timmax)



Änderung (cdo timmin)

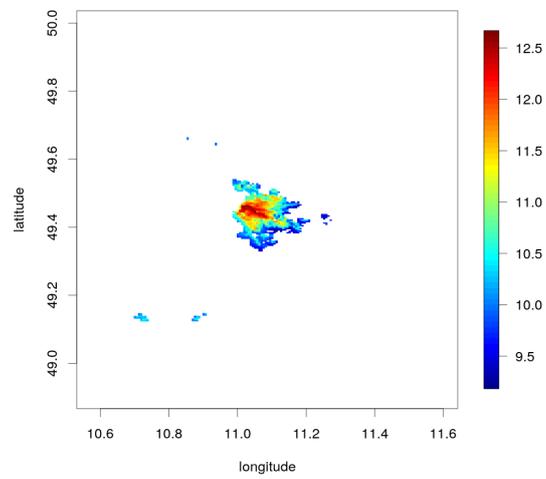


Änderung (cdo timavg)

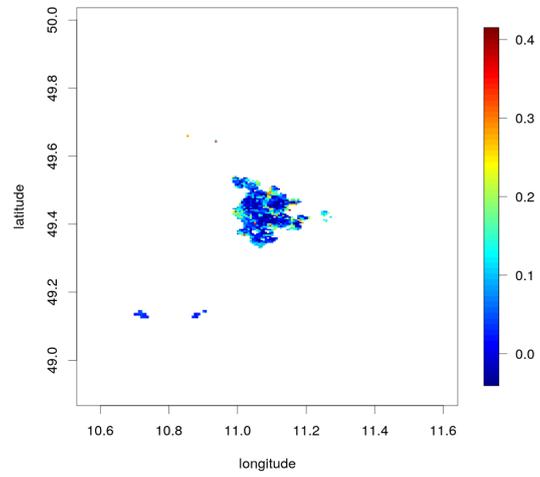


**mehr Vegetation**

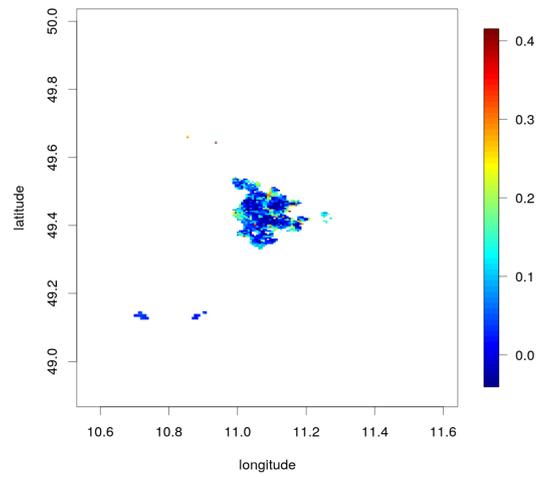
Simulation



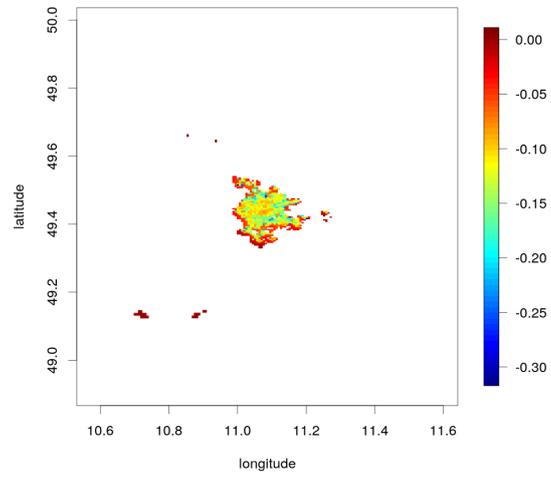
Änderung (cdo timmax)



Änderung (cdo timmin)



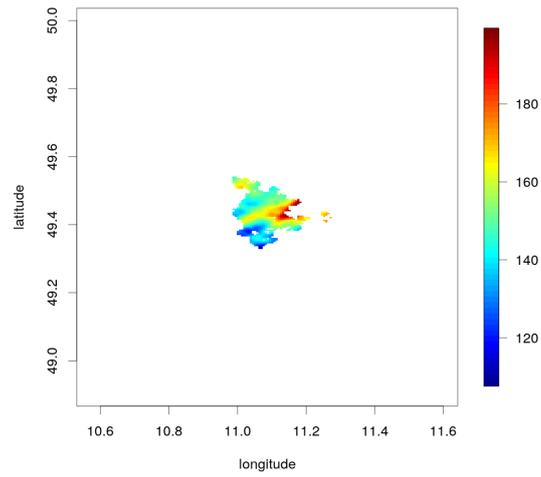
Änderung (cdo timavg)



## 16.4 Niederschlag

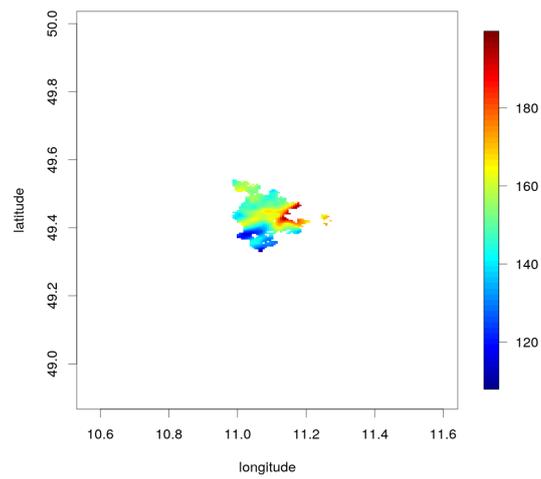
Ist-Zustand

Simulation

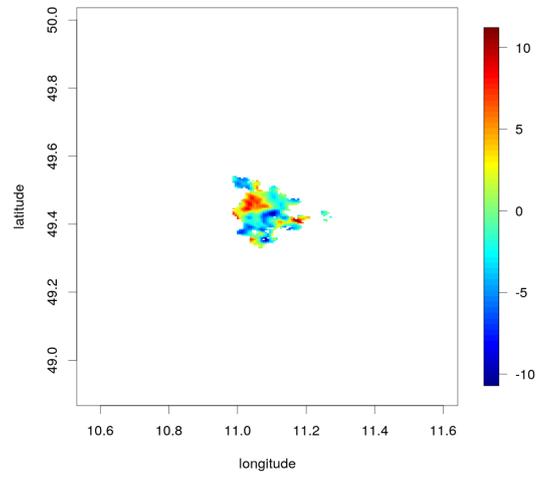


weniger Vegetation

Simulation

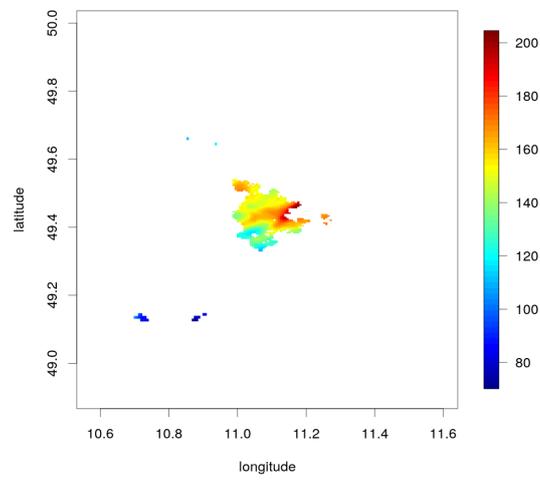


Änderung

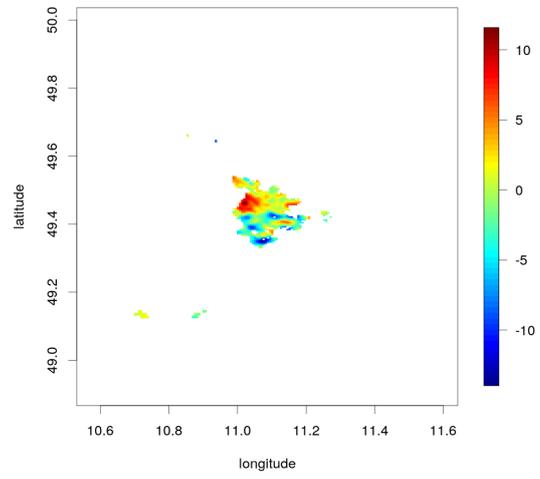


**mehr Vegetation**

Simulation



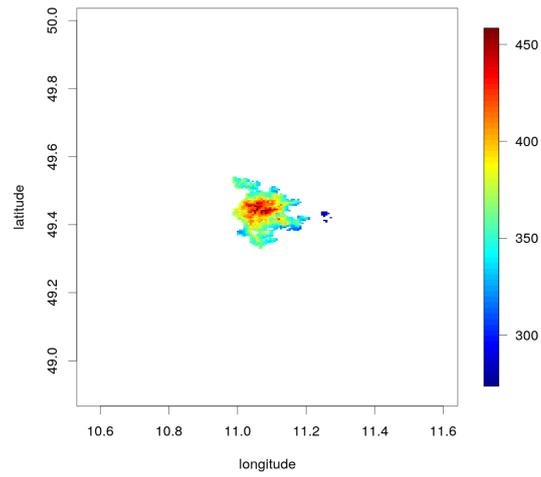
Änderung



## 16.5 Stunden über 25 °C

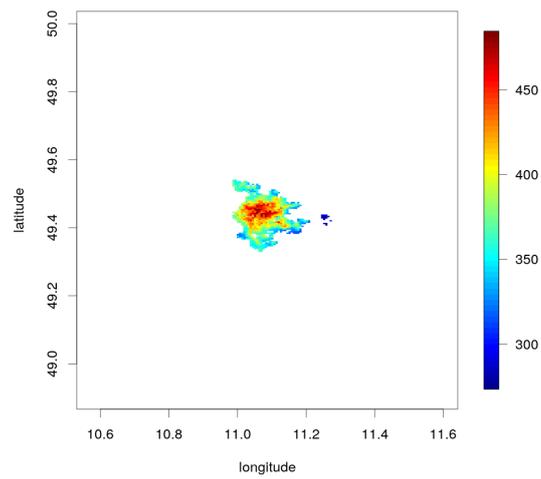
Ist-Zustand

Simulation

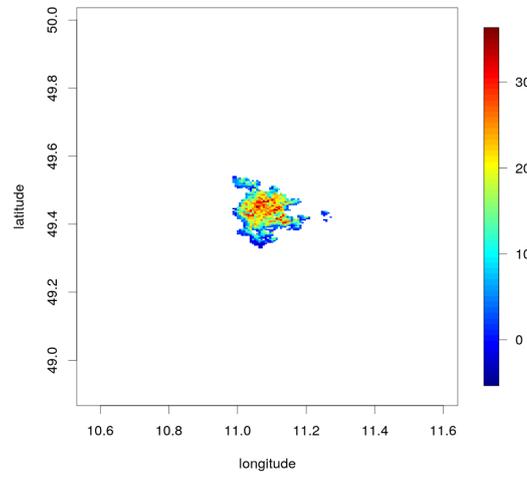


weniger Vegetation

Simulation

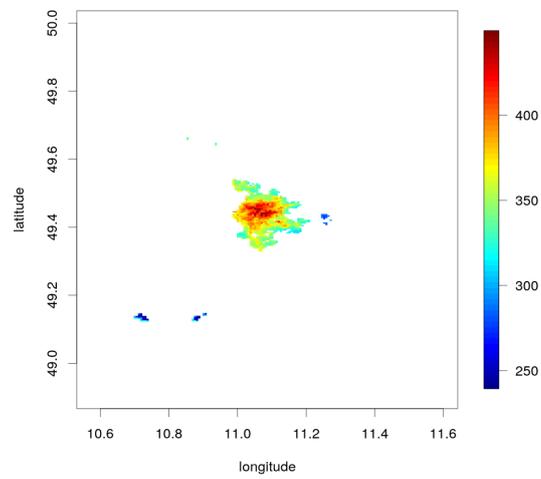


Änderung



### **mehr Vegetation**

Simulation



Änderung

