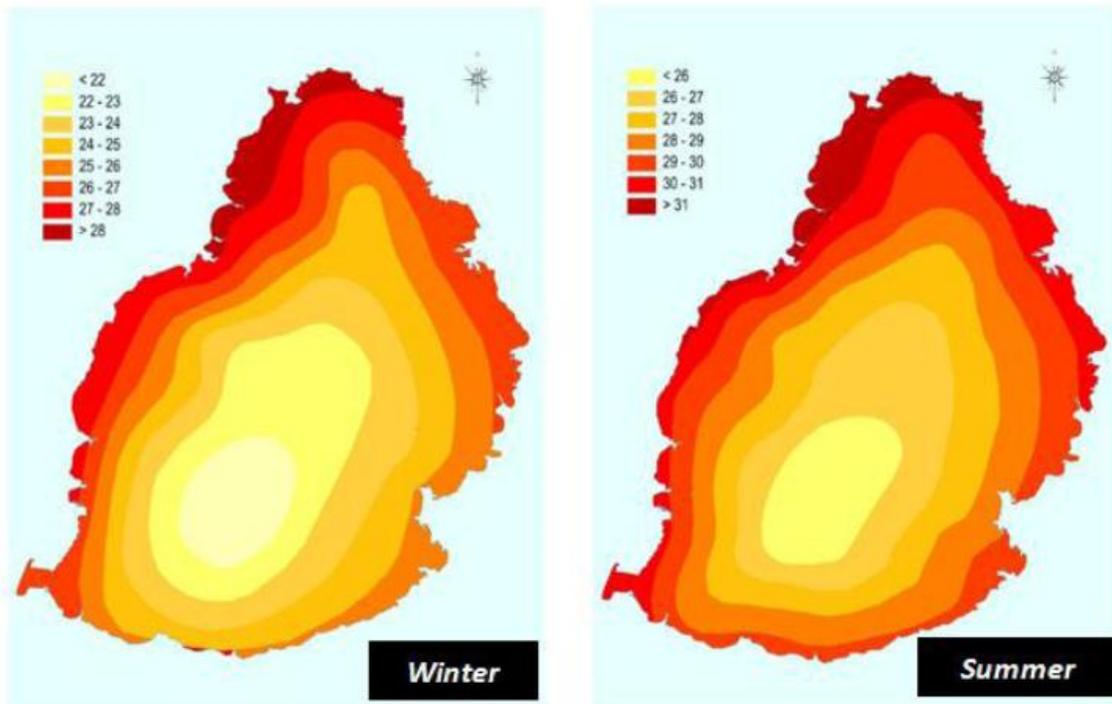
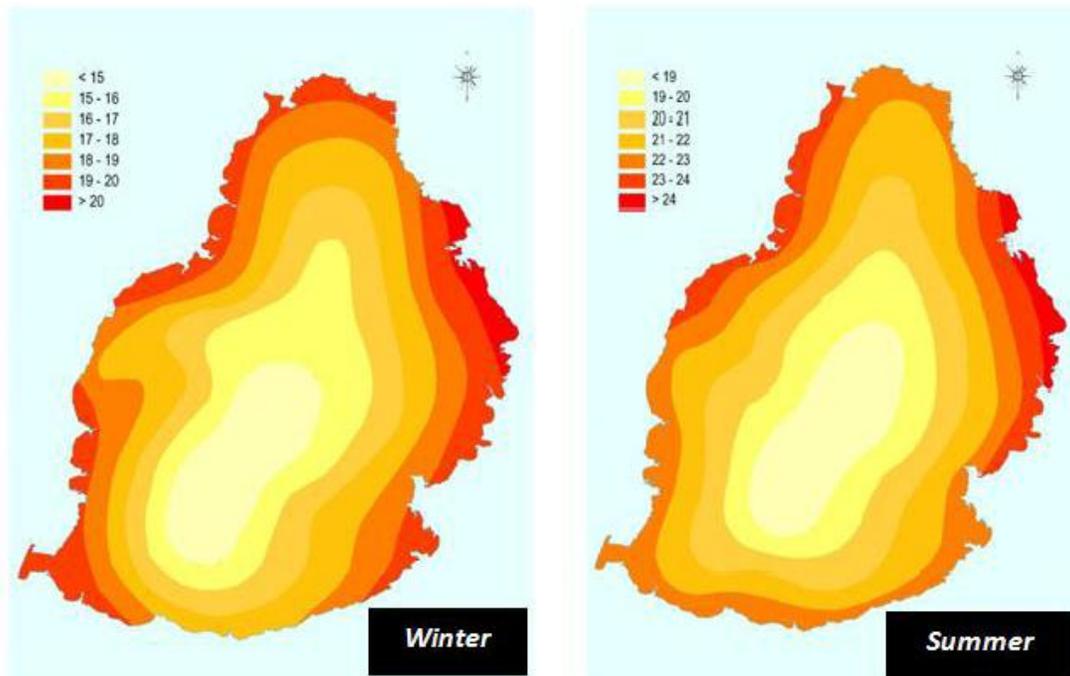


(a) Distribution of Temperature over Mauritius



*Figure 1: Distribution of Mean Maximum Temperature (°C) over Mauritius
(Source: Second National Communication, 2010)*

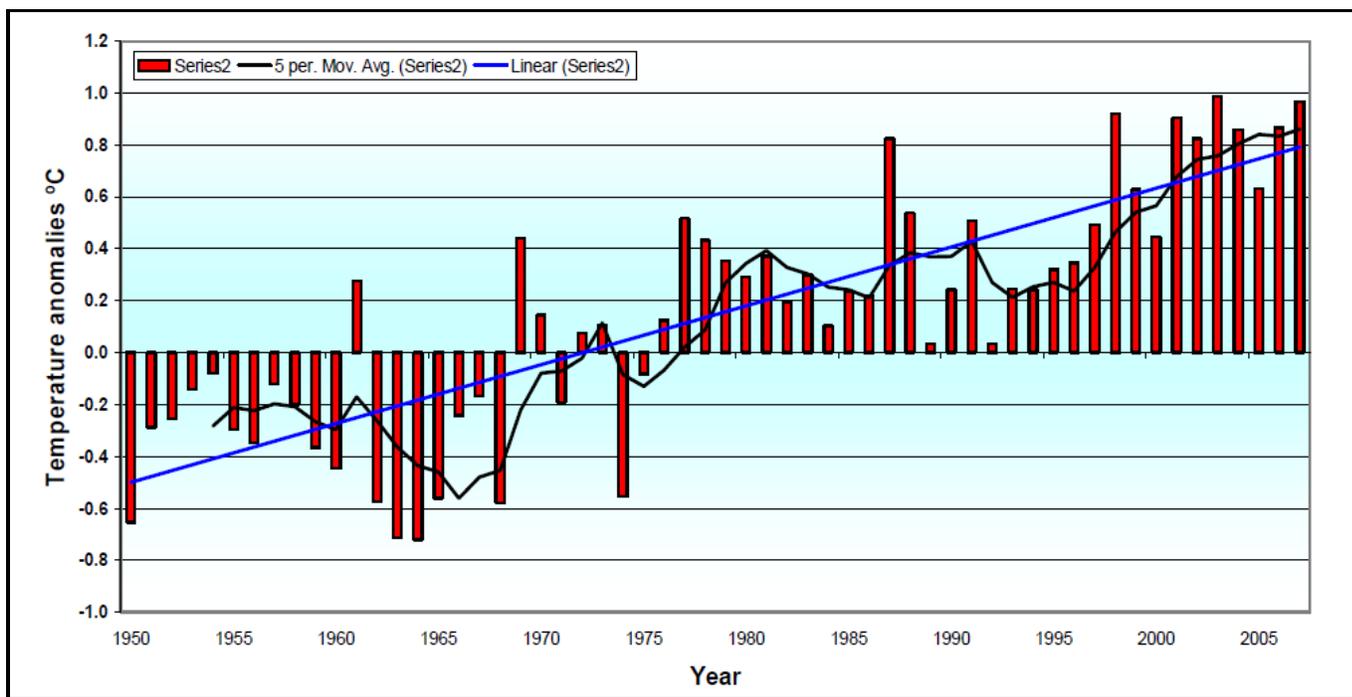


*Figure 2: Distribution of Mean Minimum Temperature (°C) over Mauritius
(Source: Second National Communication, 2010)*

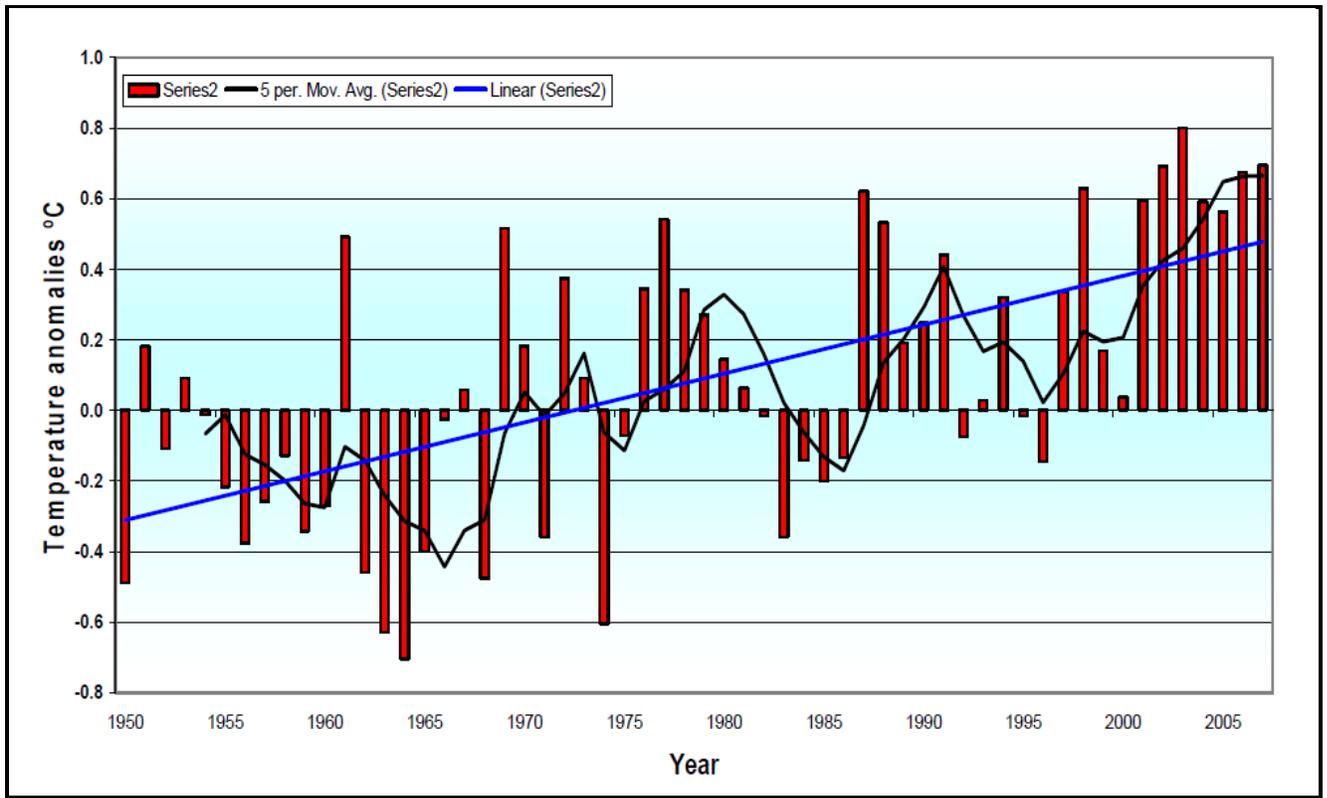
Mean maximum temperature ranges from 26°C to around 30°C in summer and from 22°C to 27°C in winter when moving from the Centre to the coastal areas. Average minimum temperature varies from 19°C to around 22°C in summer and from 15°C to 19°C in winter when moving from the Central Plateau to the coastal areas. The warmest months are January and February and the coolest July and August.

Analyses of temperature recorded at Mauritius and its outer islands show a definite warming trend. Average temperature at Vacoas and Plaisance during the last ten years (1998-2008) was higher than that of the decade 1951- 60 by 0.74 and 1.1 °C respectively. Most of the warming started as from the mid-seventies. The figures below show the temperature variation at different sites.

(b) Temperature variation in Mauritius (1950 - 2007)



*Figure 3: Mean Annual Temperature Variation at Plaisance
(Source: Climate Change Impacts on Mauritius, 2009)*



*Figure 4: Mean Annual Temperature Variation at Vacoas
(Source: Climate Change Impacts on Mauritius, 2009)*

(c) Average monthly Temperature in Rodrigues (1971 - 2000)

Months	Maximum Temperature (°C)	Minimum Temperature (°C)
Jan	29.2	23.6
Feb	29.3	23.8
Mar	29.4	23.7
Apr	28.7	23.0
May	27.5	21.6
Jun	26.0	20.1
Jul	25.0	19.1
Aug	24.8	18.8
Sep	25.4	19.3
Oct	26.3	20.1
Nov	27.4	21.3
Dec	28.7	22.8

*Table 1: Average Monthly Temperature in Rodrigues (1971 – 2000)
(Source: Second National Communication, 2010)*

Rodrigues enjoys a mild tropical maritime climate. The average monthly minimum temperature for the period 1971-2000 varied between 19.1°C and 23.8°C while the maximum was in the range 25.0°C to 29.4°C.

(d) Average monthly Temperature in St Brandon (1971 - 2000)

Months	Maximum Temperature (°C)	Minimum Temperature (°C)
Jan	30.2	25.3
Feb	30.5	25.5
Mar	30.4	25.7
Apr	29.5	25.2
May	27.9	24.1
Jun	26.2	22.7
Jul	25.1	21.6
Aug	25.0	21.3
Sep	25.5	21.6
Oct	26.7	22.4
Nov	28.2	23.5
Dec	29.7	24.8

*Table 2: Average Monthly Temperature in St Brandon (1971 – 2000)
(Source: Second National Communication, 2010)*

The average summer temperature is 27.4°C and the average winter temperature is 23.6°C.

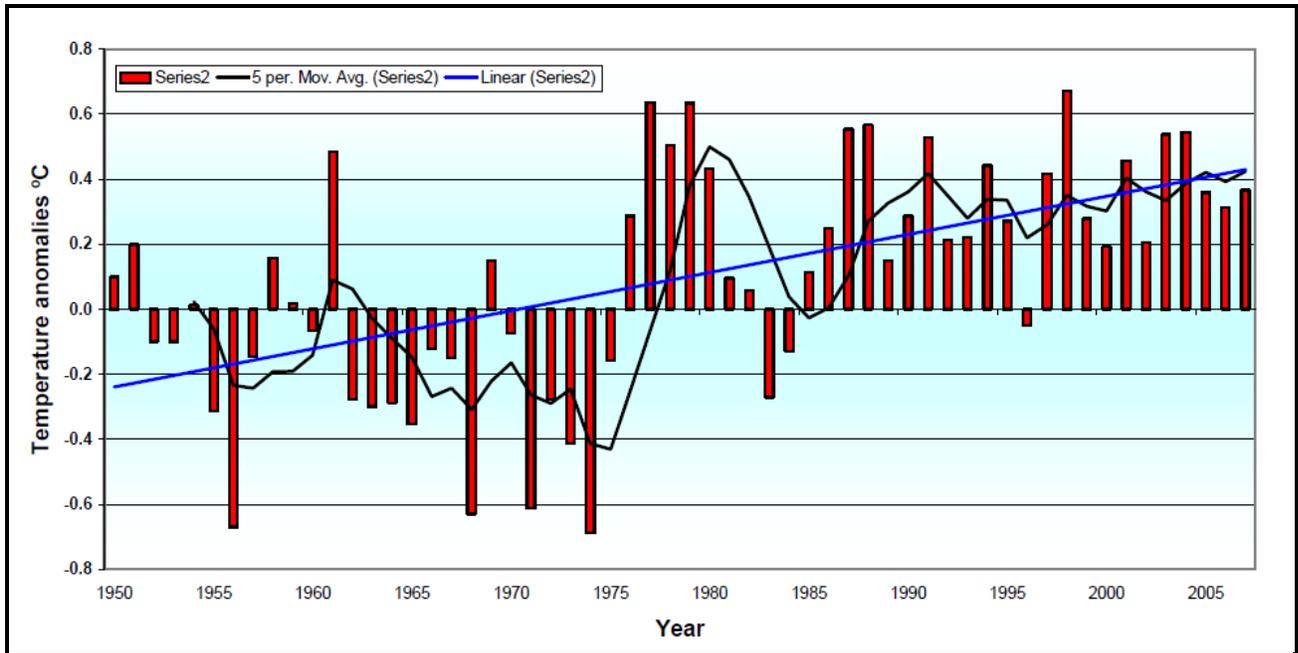
(e) Average monthly Temperature in Agalega (1971 - 2000)

Months	Maximum Temperature (°C)	Minimum Temperature (°C)
Jan	30.7	23.9
Feb	30.7	24.1
Mar	31.0	24.2
Apr	31.0	24.4
May	30.0	24.3
Jun	28.8	23.3
Jul	28.1	22.6
Aug	28.1	22.4
Sep	28.7	22.8
Oct	29.4	23.3
Nov	30.3	23.7
Dec	30.7	23.9

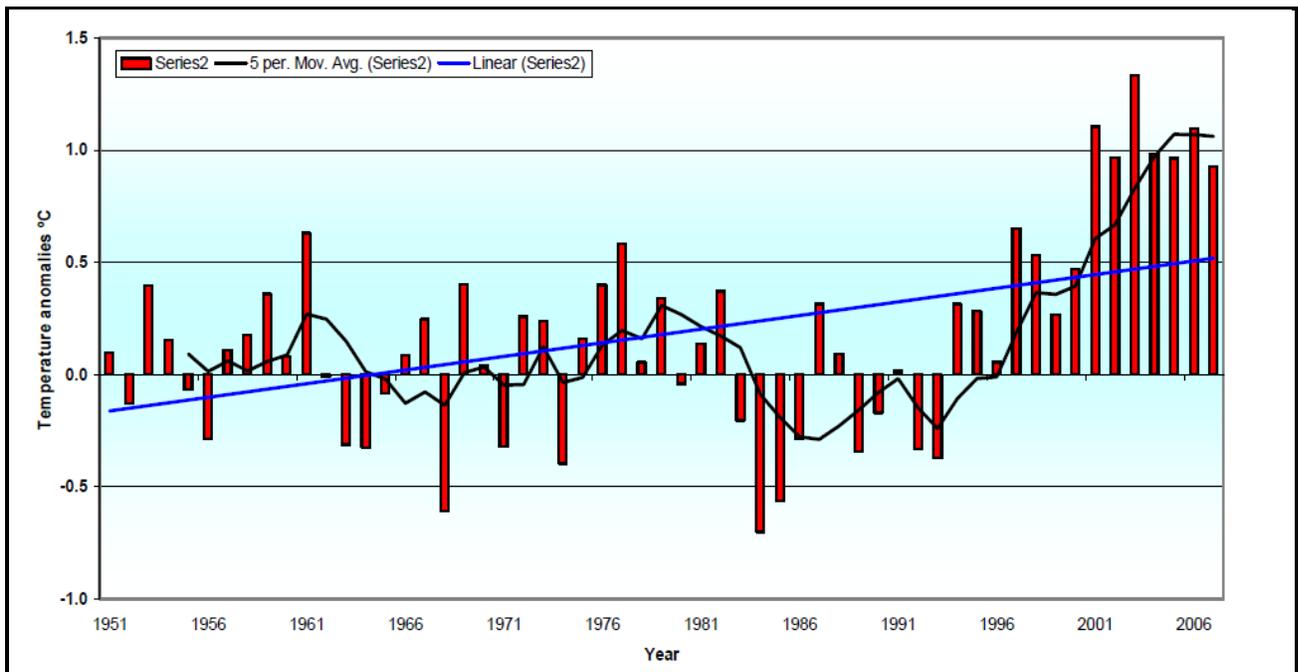
*Table 3: Average Monthly Temperature in Agalega (1971 – 2000)
(Source: Second National Communication, 2010)*

The mean summer and winter temperature are 27.4 °C and 25.6 °C respectively.

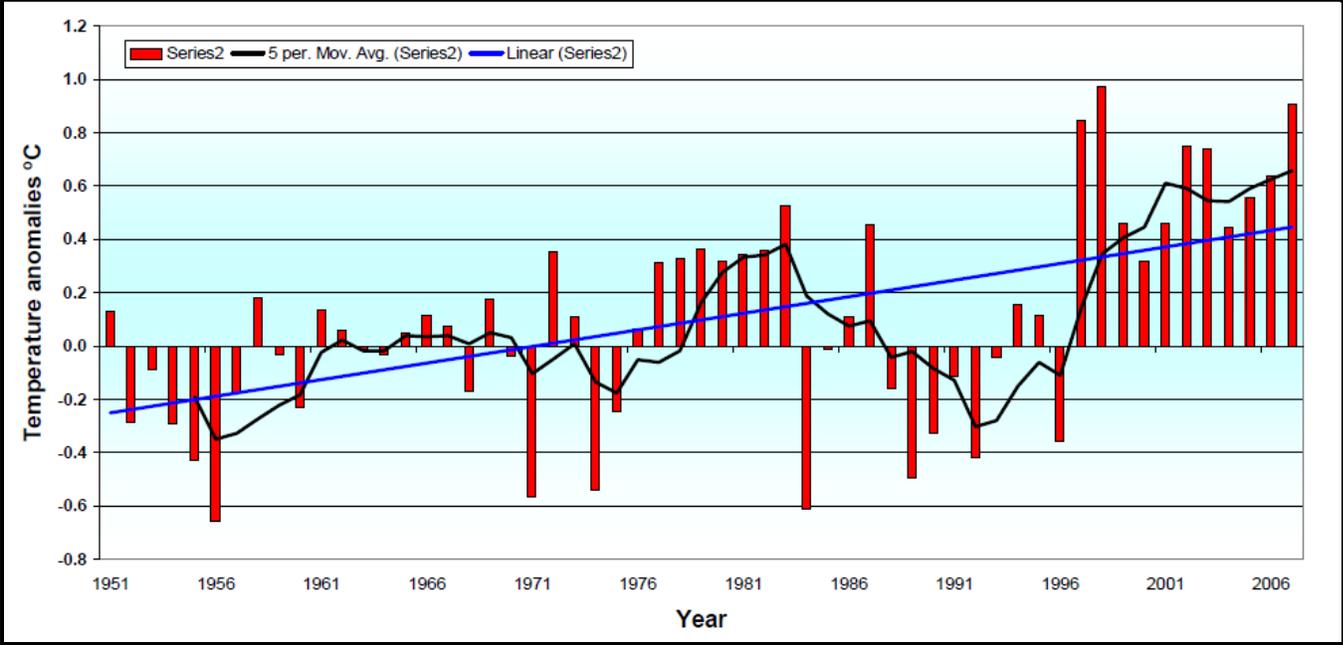
Similar warming trends were also observed at Rodrigues, St Brandon and Agalega, (Fig. 5, Fig. 6 and Fig. 7) where **the temperature rise is in the range of 0.5 to 1.0 °C**.



*Figure 5: Mean Annual Temperature Variation at Rodrigues
(Source: Climate Change Impacts on Mauritius, 2009)*



*Figure 6: Mean Annual Temperature Variation at St Brandon
(Source: Climate Change Impacts on Mauritius, 2009)*



*Figure 5: Mean Annual Temperature Variation at Agalega
 (Source: Climate Change Impacts on Mauritius, 2009)*