

Mauritius Meteorological Services
St Paul Vacoas

Climate Monitoring in Mauritius
- January to August 2021 -

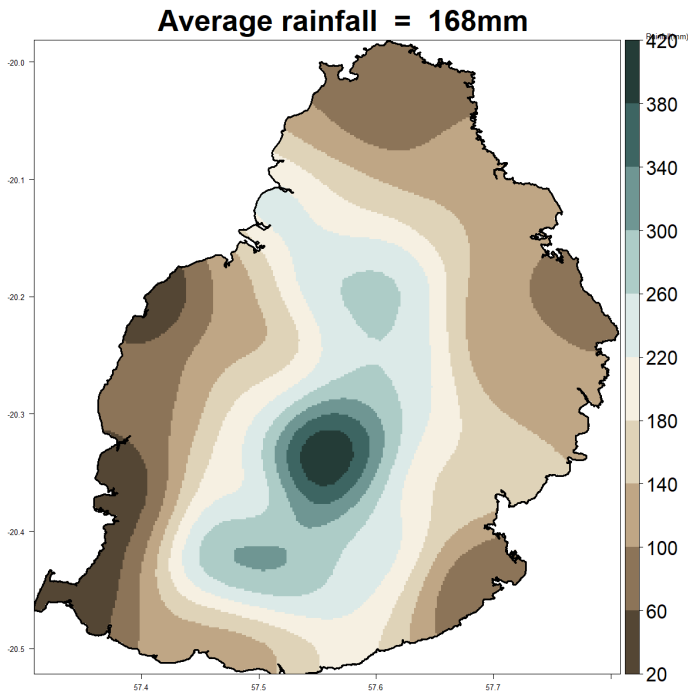
Philippe Veerabadren

Krisna Bucha

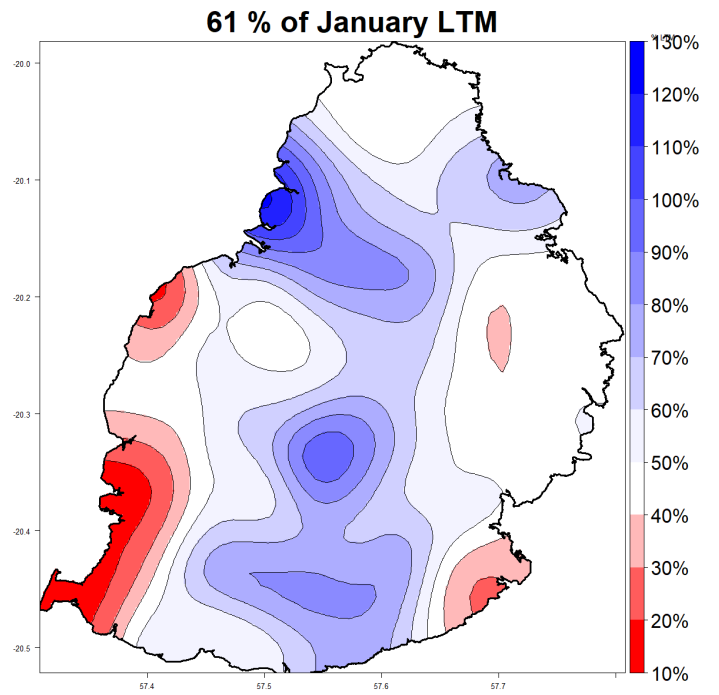
Mauritius Meteorological Services #

September 20, 2021

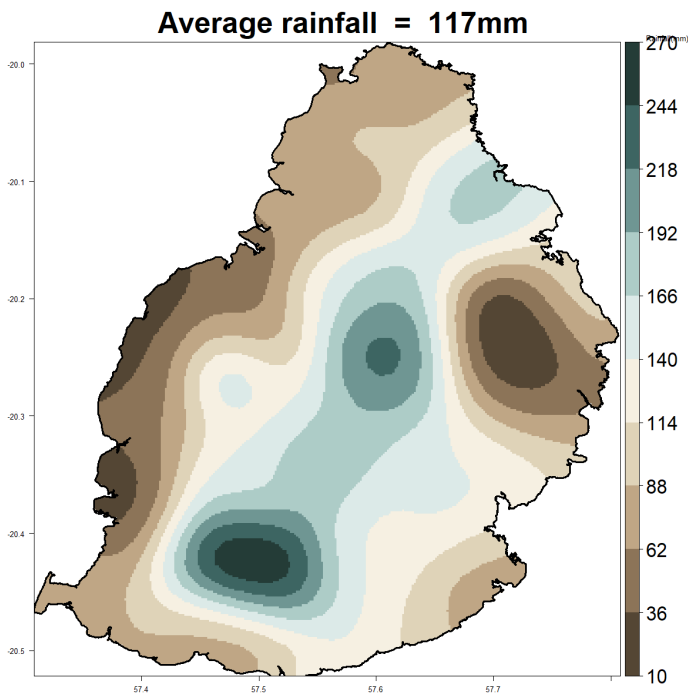
Rainfall



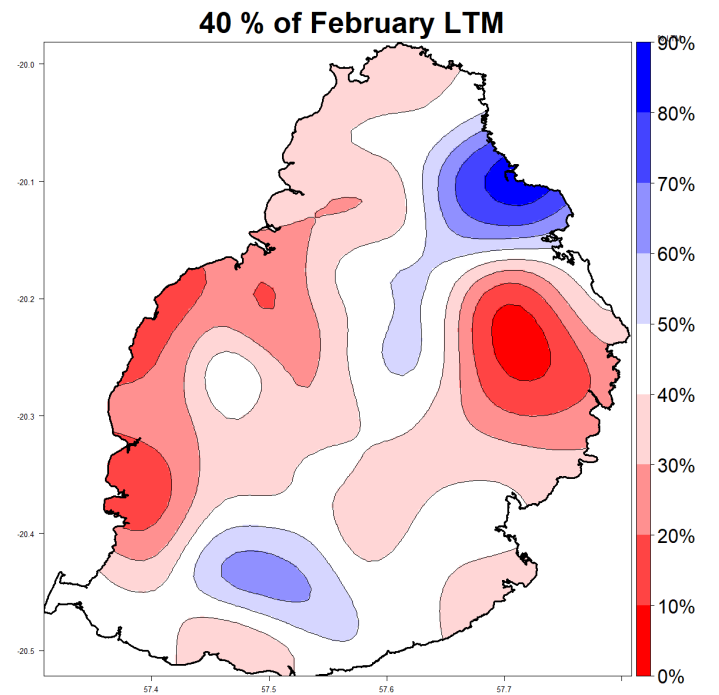
(a) January Rainfall



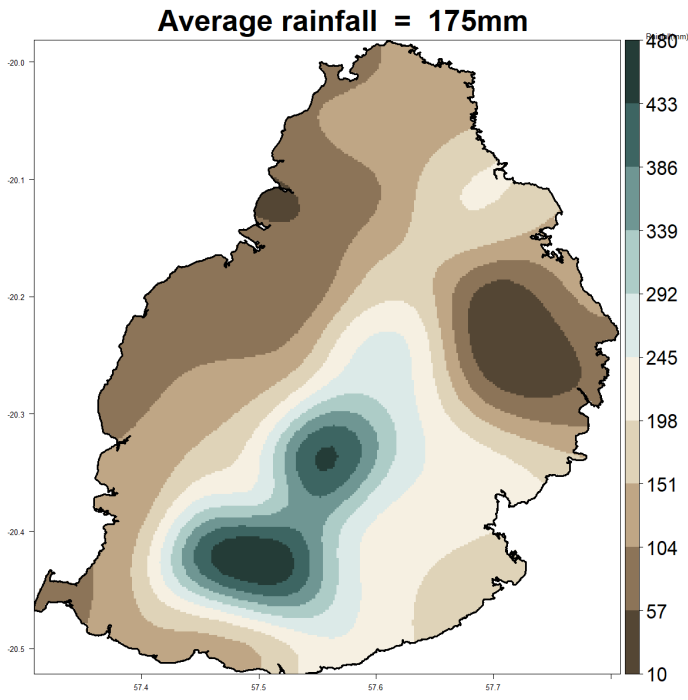
(b) January Rainfall Anomaly



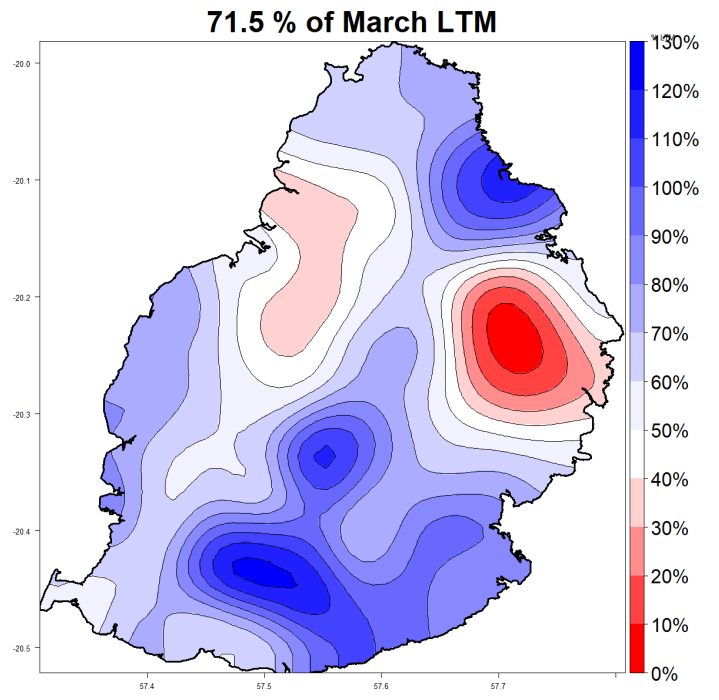
(a) February Rainfall



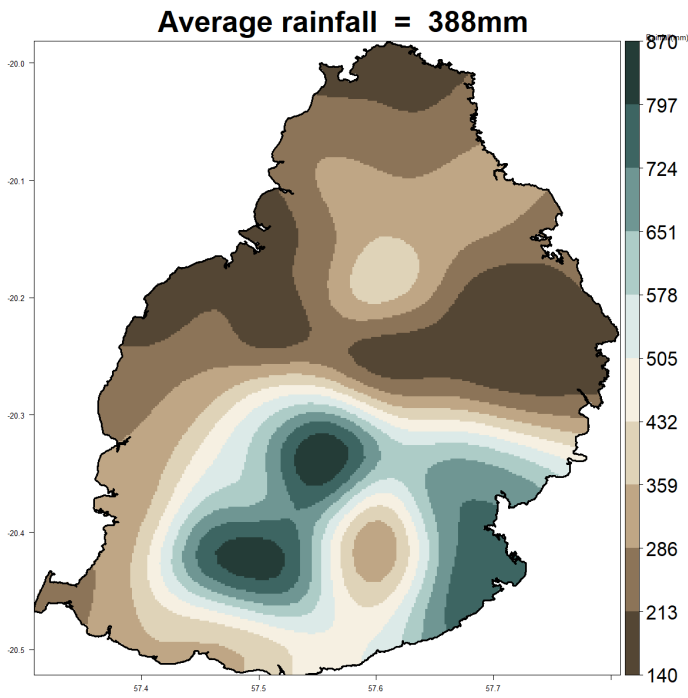
(b) February Rainfall Anomaly



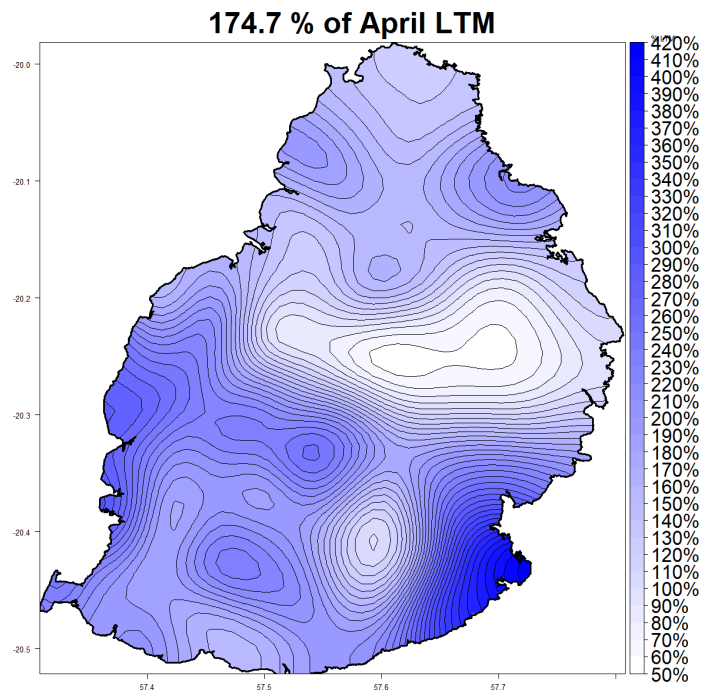
(a) March Rainfall



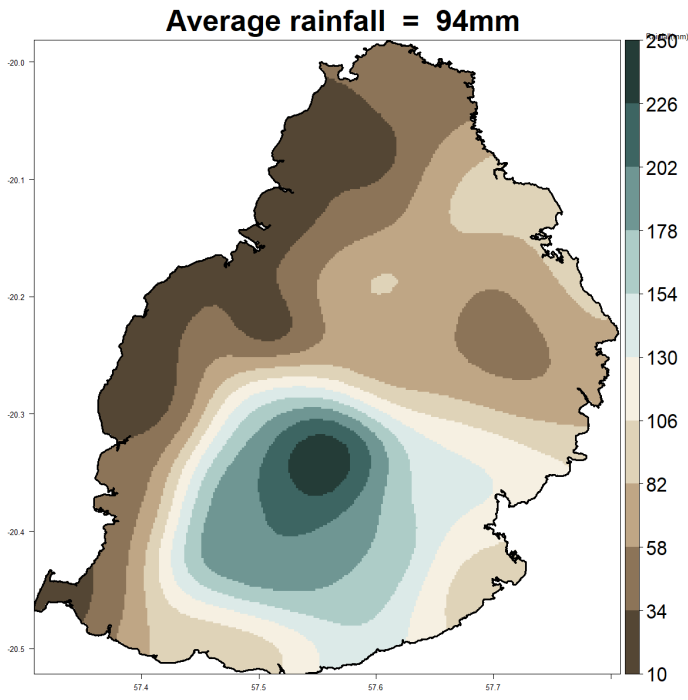
(b) March Rainfall Anomaly



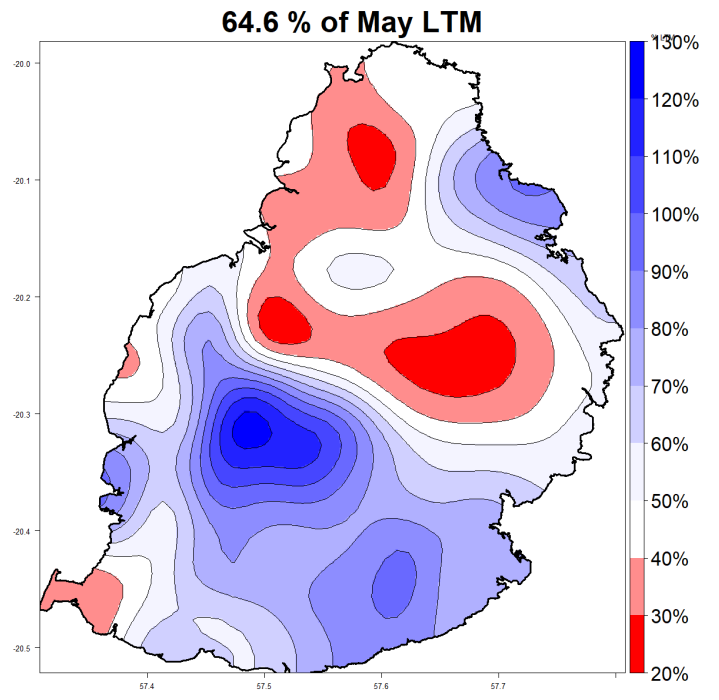
(a) April Rainfall



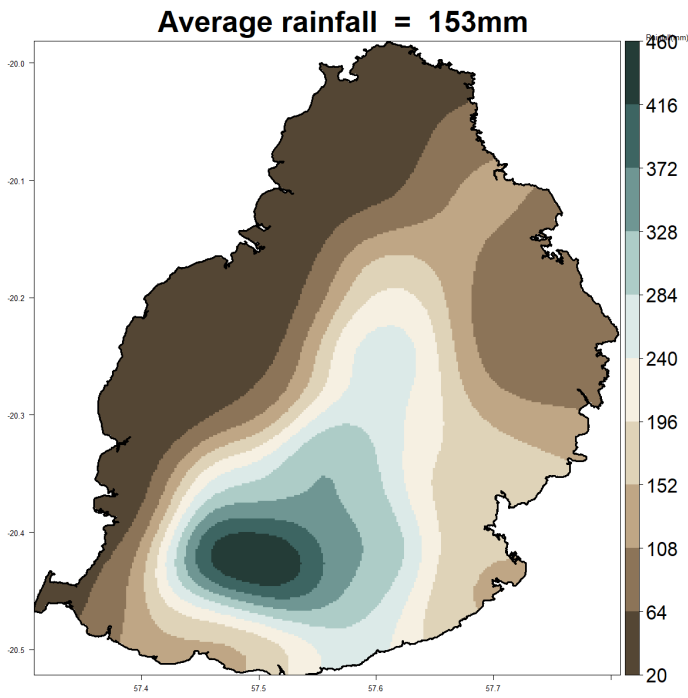
(b) April Rainfall Anomaly



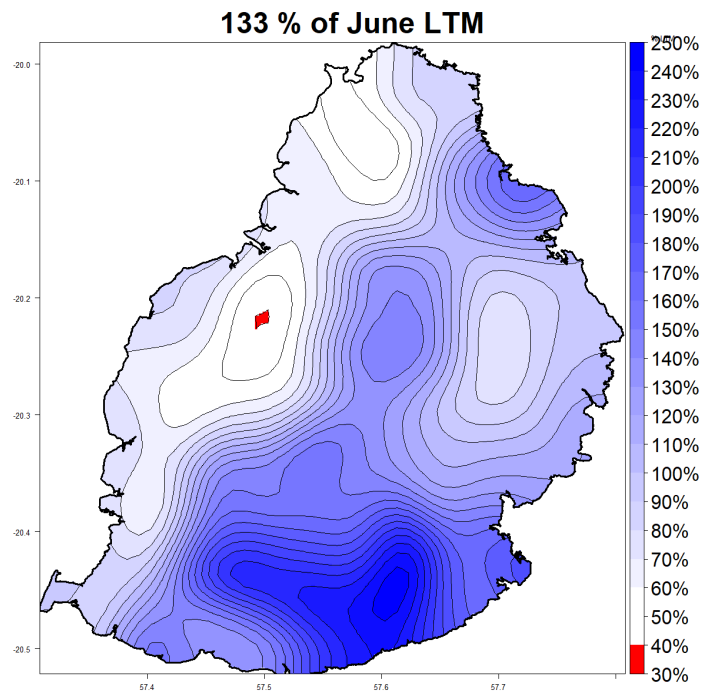
(a) May Rainfall



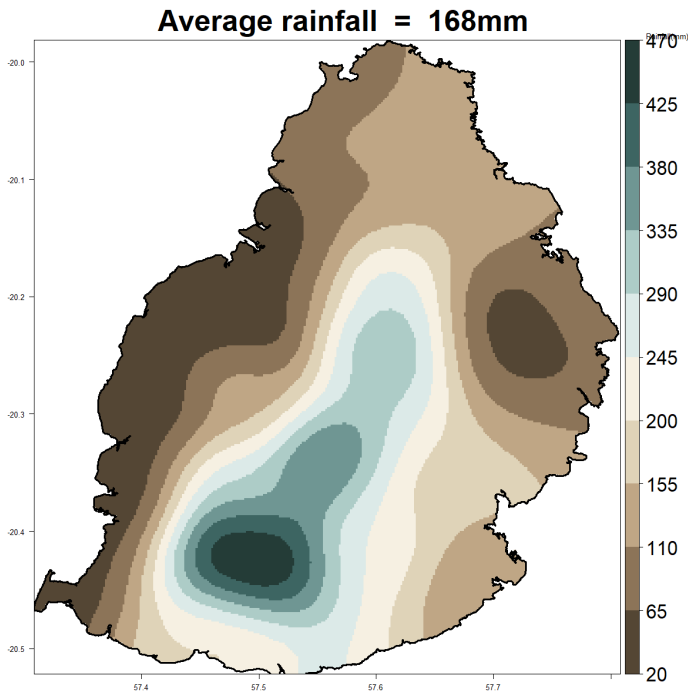
(b) May Rainfall Anomaly



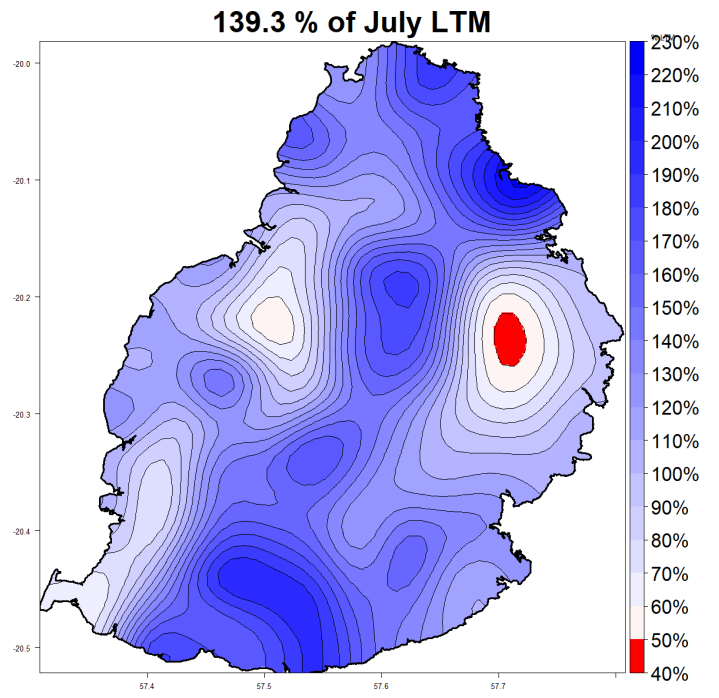
(a) June Rainfall



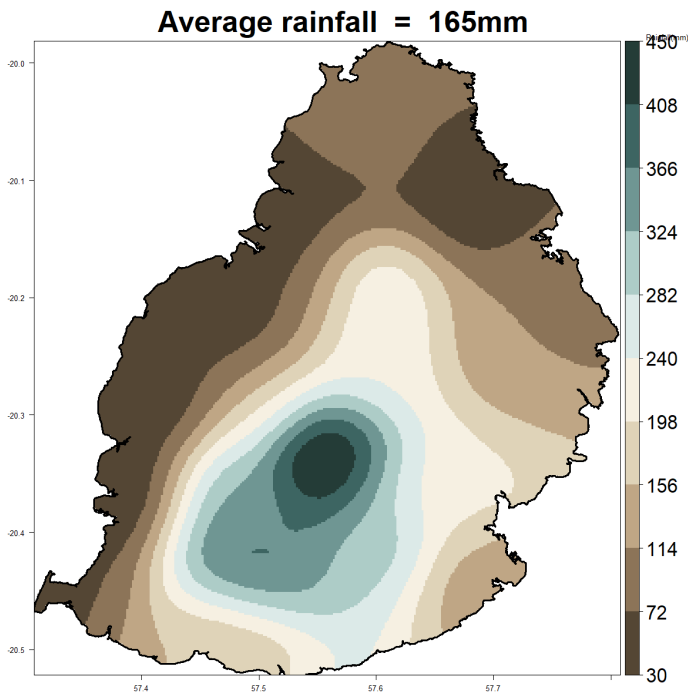
(b) June Rainfall Anomaly



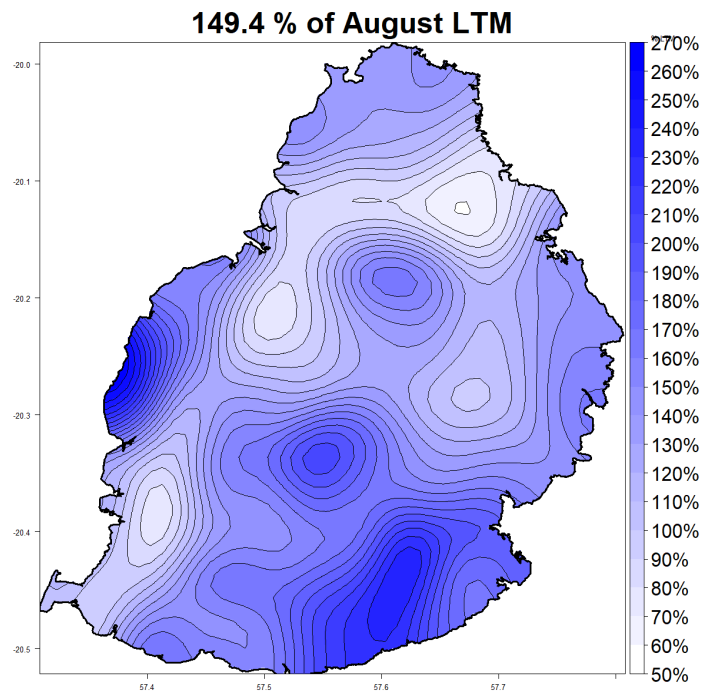
(a) July Rainfall



(b) July Rainfall Anomaly

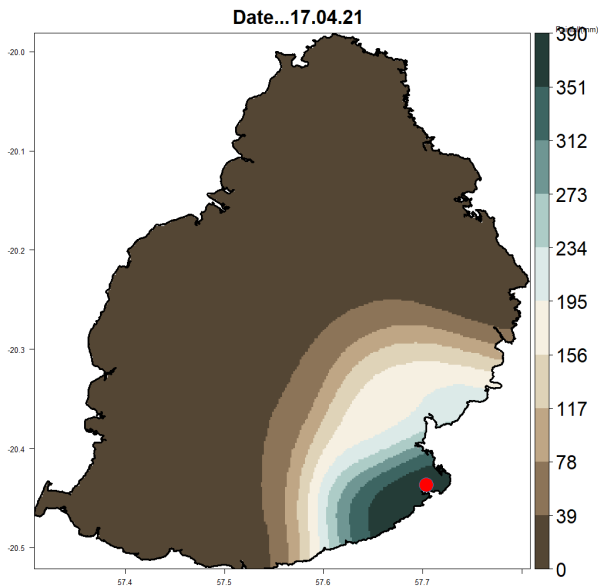


(a) August Rainfall



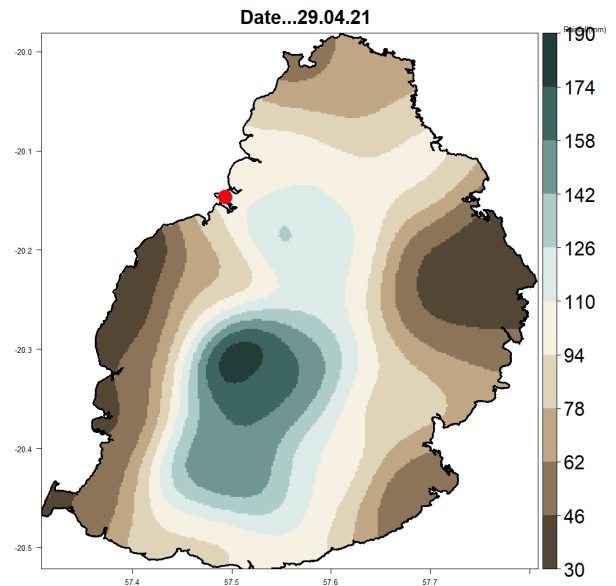
(b) August Rainfall Anomaly

Extreme rainfall



Date...17.04.21
 Location considered is marked by the red circle
 Rainfall amounts: 383mm
 Return Period < 1 years
 Rainfall rank 1-th of highest since 1951
 211.3% of the LTM for the month

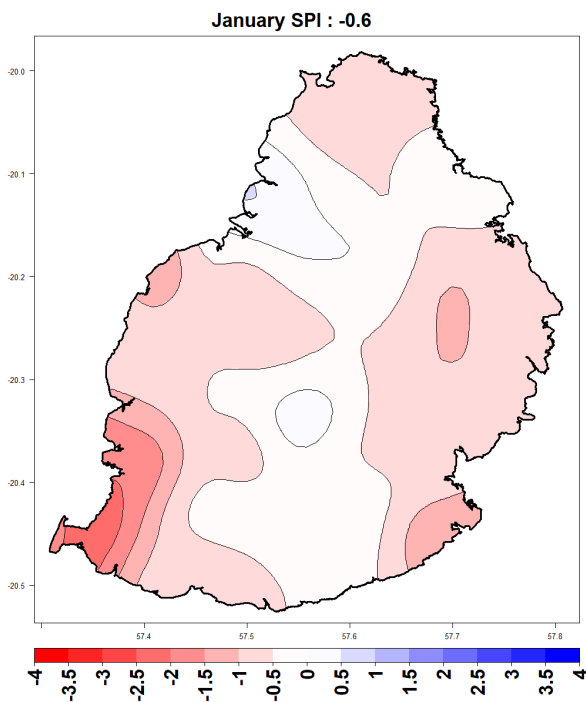
(a) Extreme rainfall over Grand Port



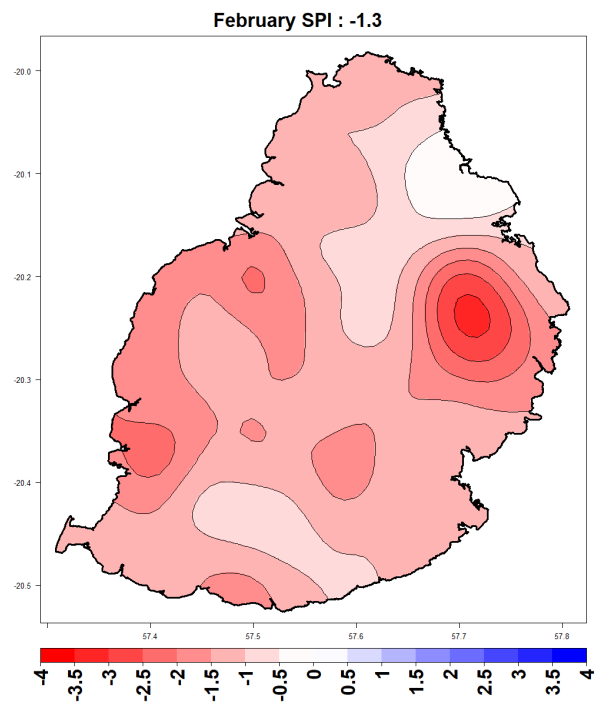
Date...29.04.21
 Location considered is marked by the red circle
 Rainfall amounts: 103mm
 Return Period = 20.8 years
 Rainfall rank 4-th of highest since 1951
 111.9% of the LTM for the month

(b) Extreme rainfall over Port-Louis

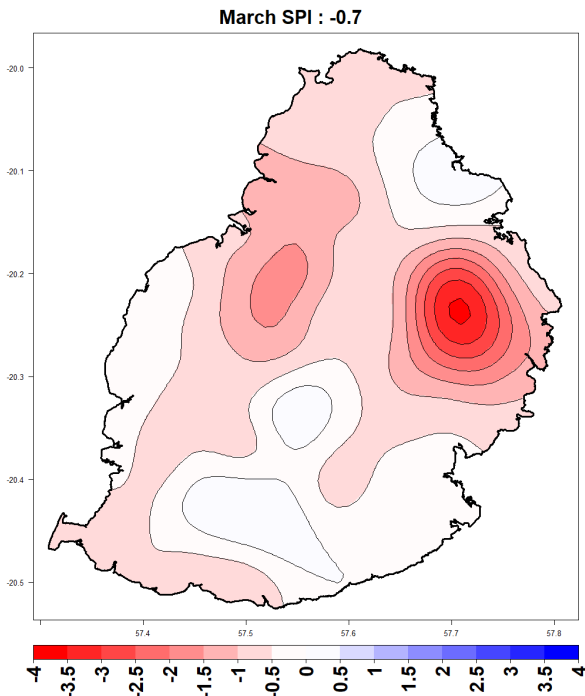
Drought (Measured by one month SPI)



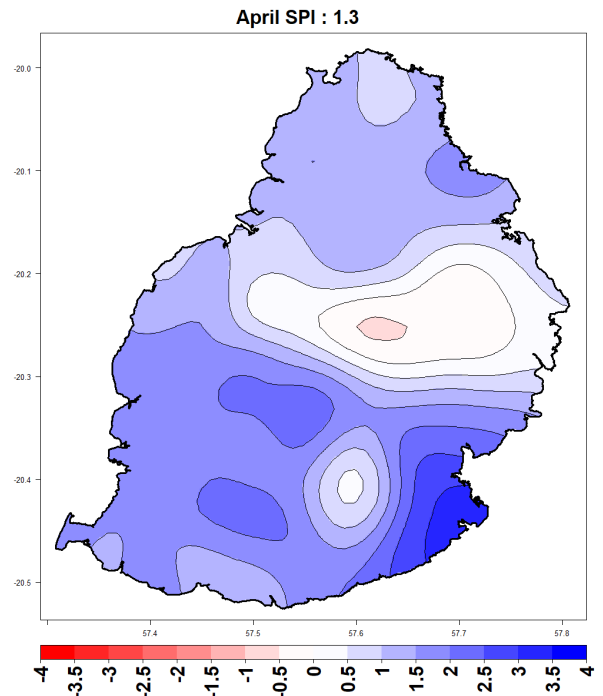
(a) SP_January



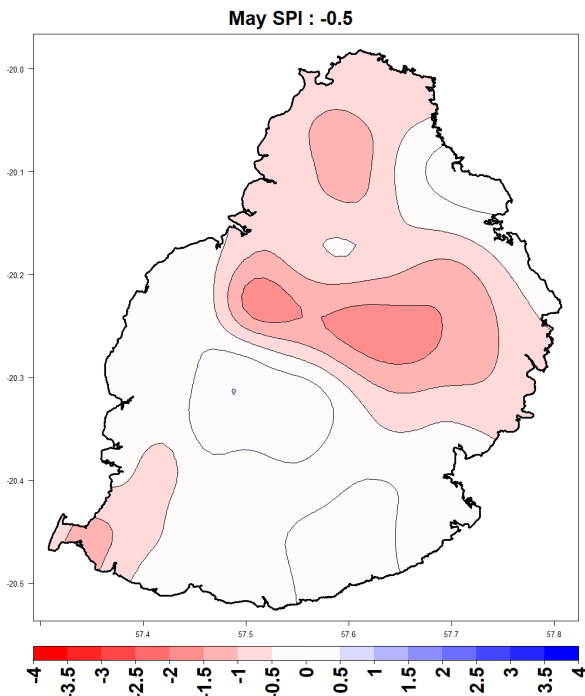
(b) SPI_February



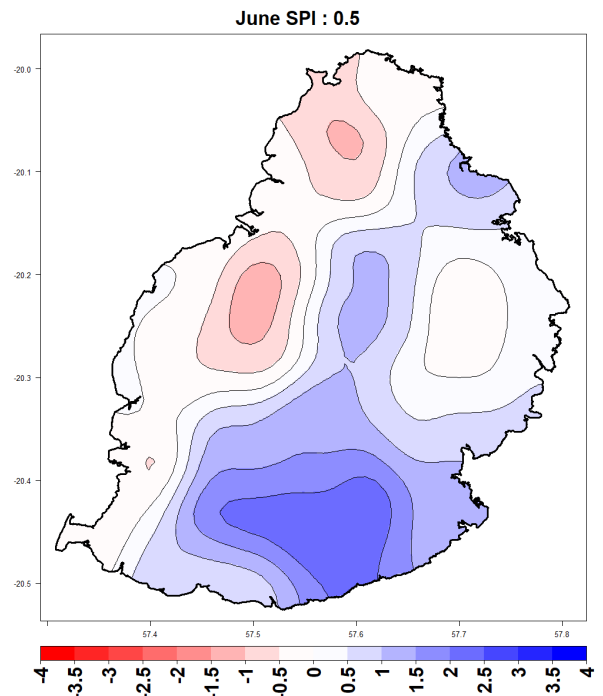
(a) SPI March



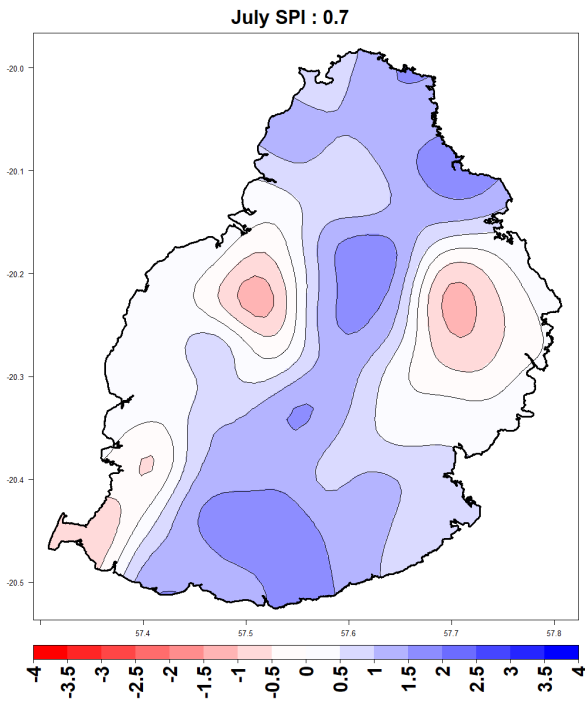
(b) SPI April



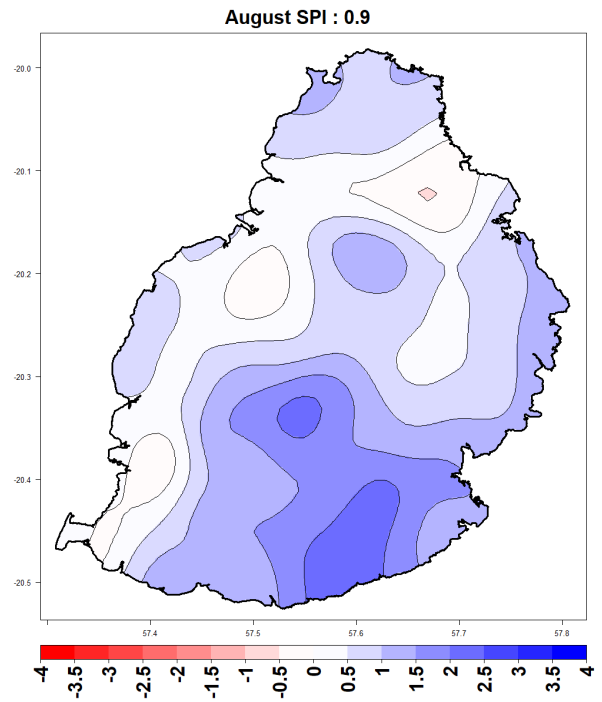
(a) SPI May



(b) SPI June

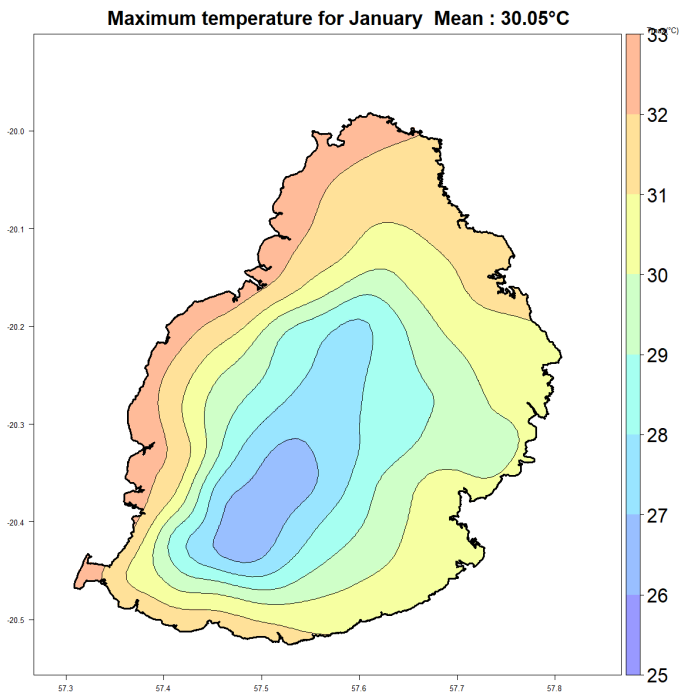


(a) SPI July

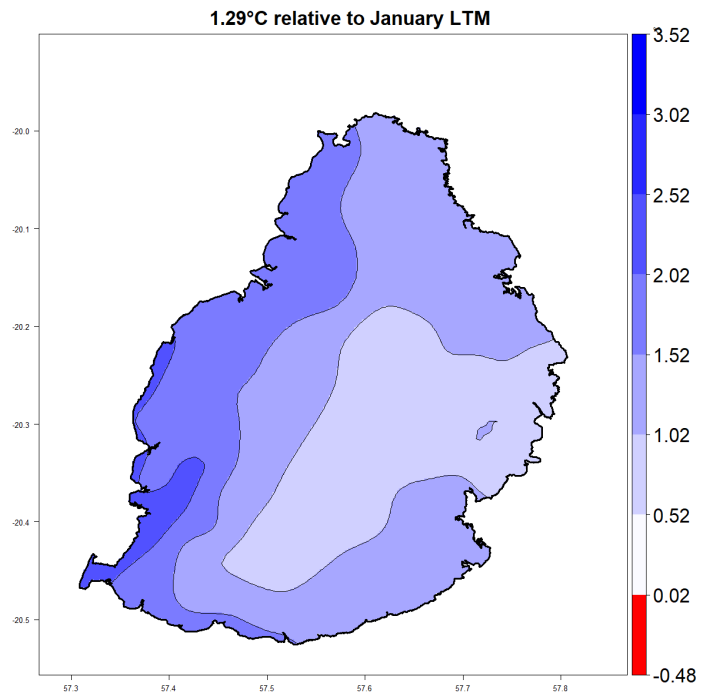


(b) SPI August

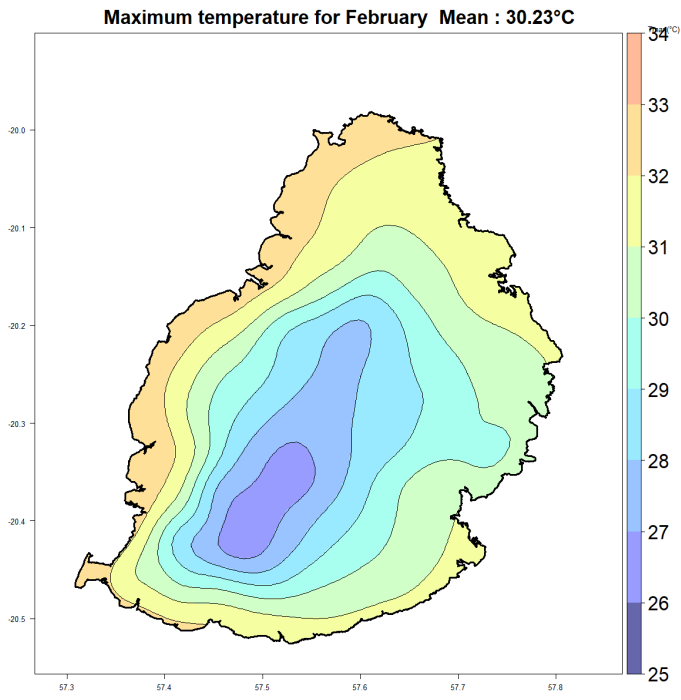
Maximum temperature



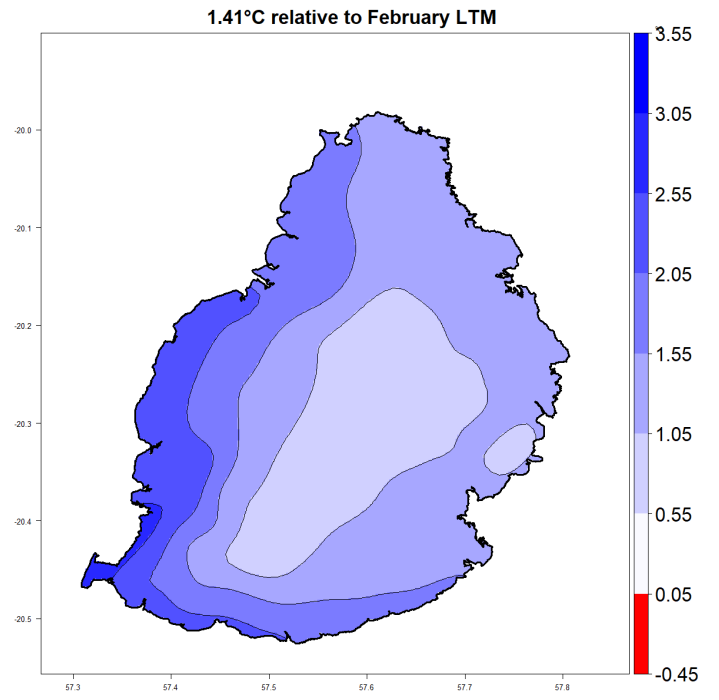
(a) Maximum temperature January



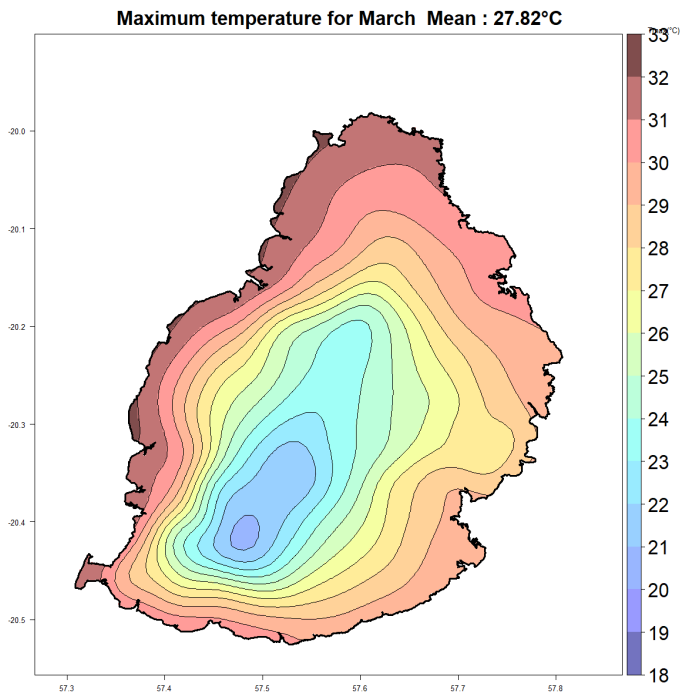
(b) Maximum temperature anomaly January



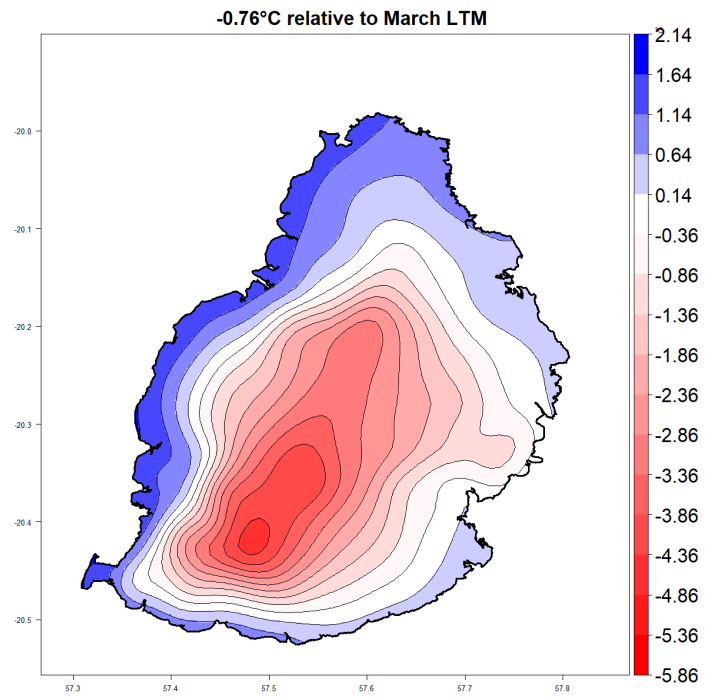
(a) Maximum temperature February



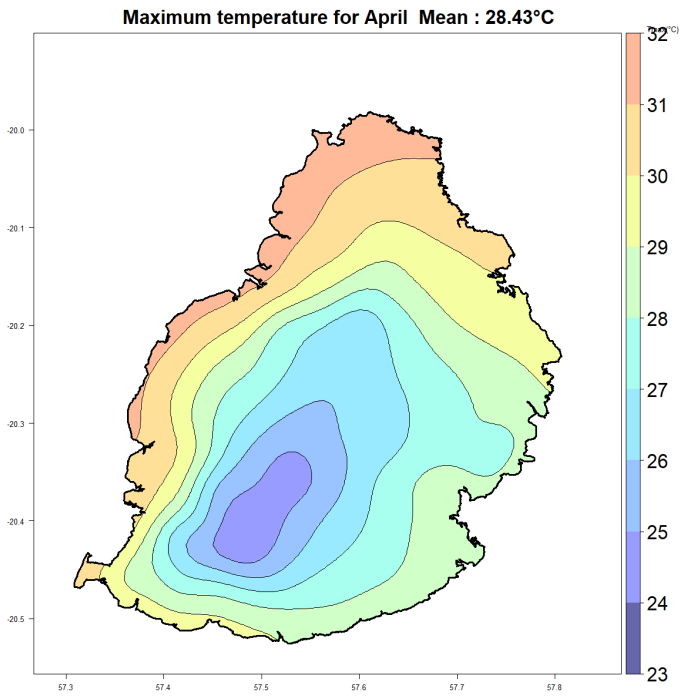
(b) Maximum temperature anomaly February



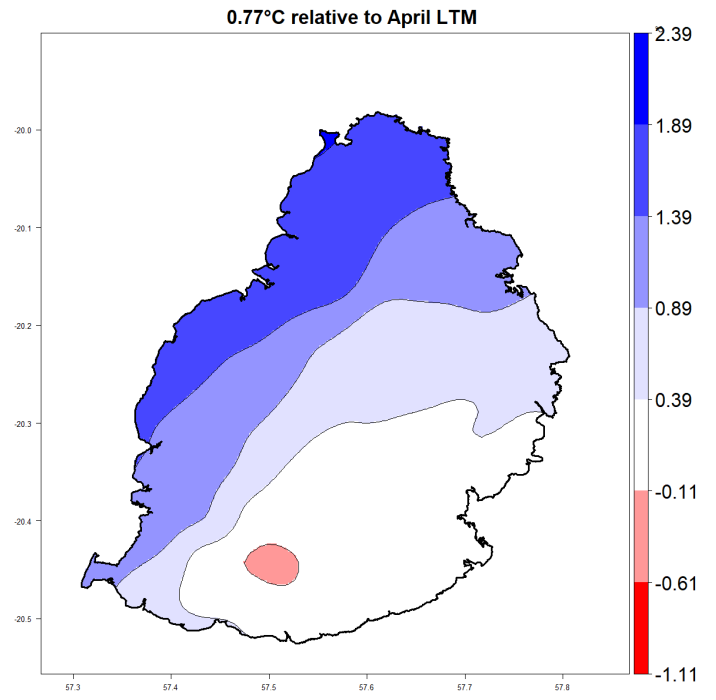
(a) Maximum temperature March



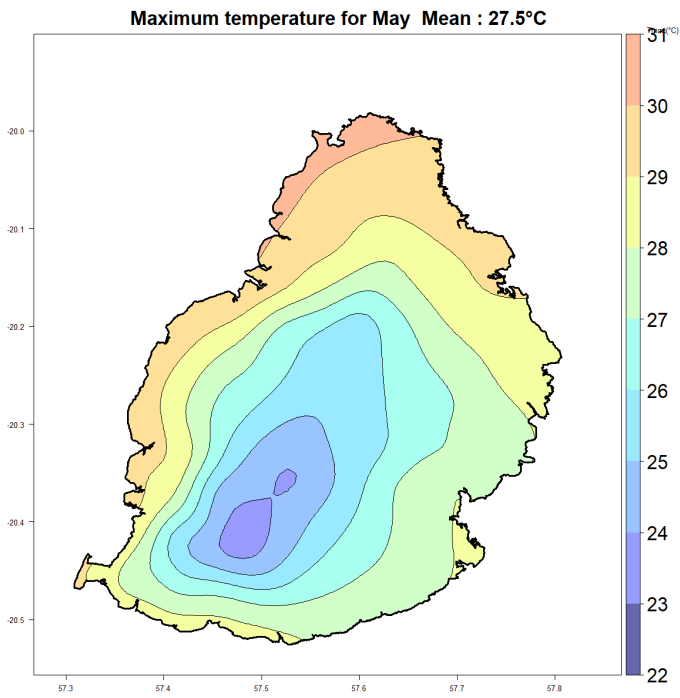
(b) Maximum temperature anomaly March



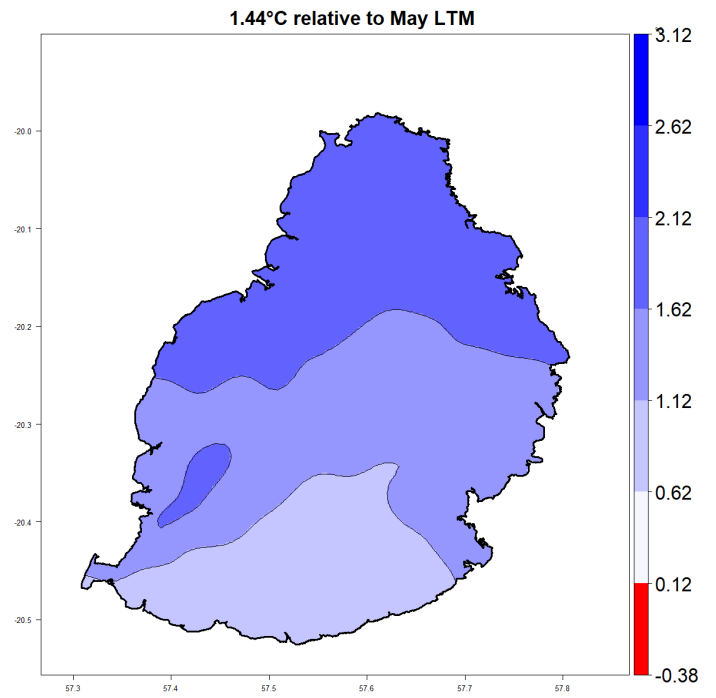
(a) Maximum temperature April



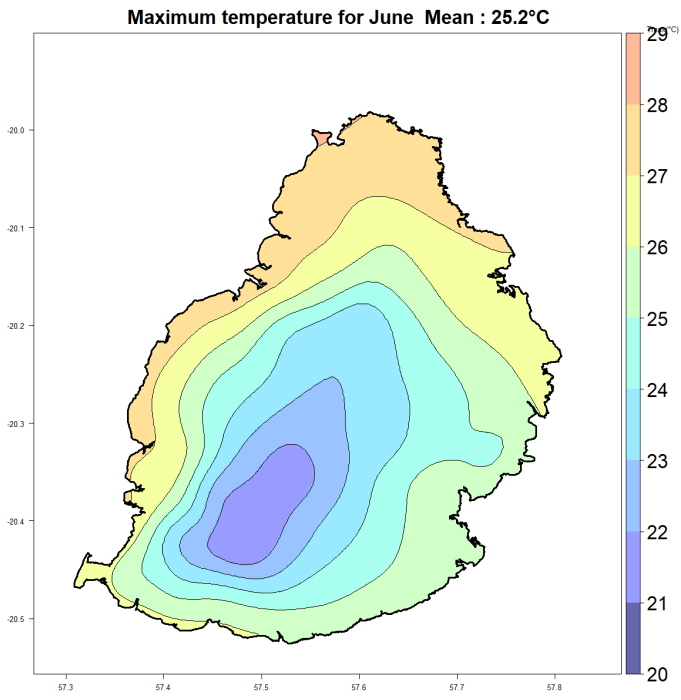
(b) Maximum temperature anomaly April



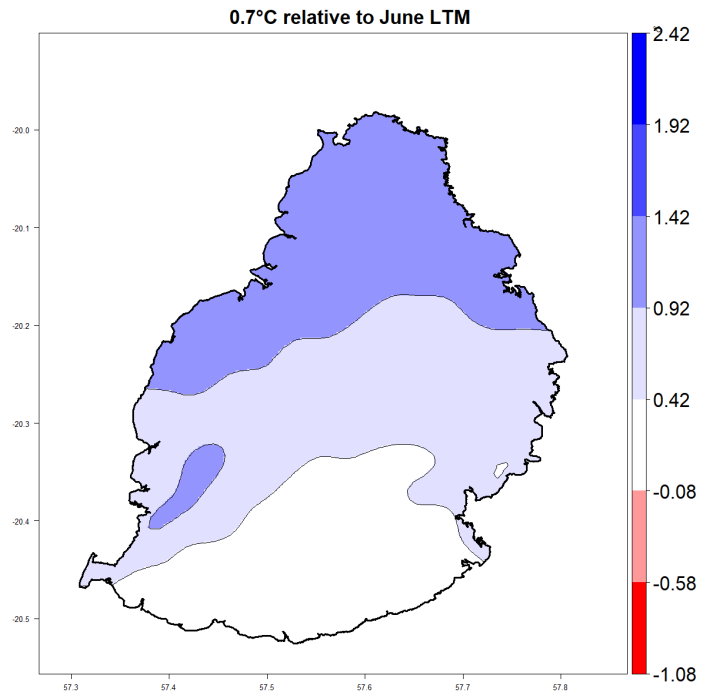
(a) Maximum temperature May



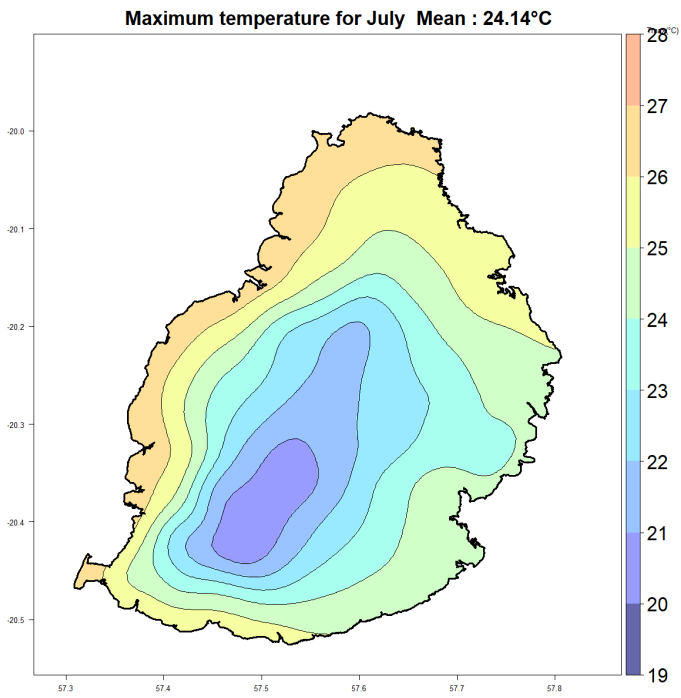
(b) Maximum temperature anomaly May



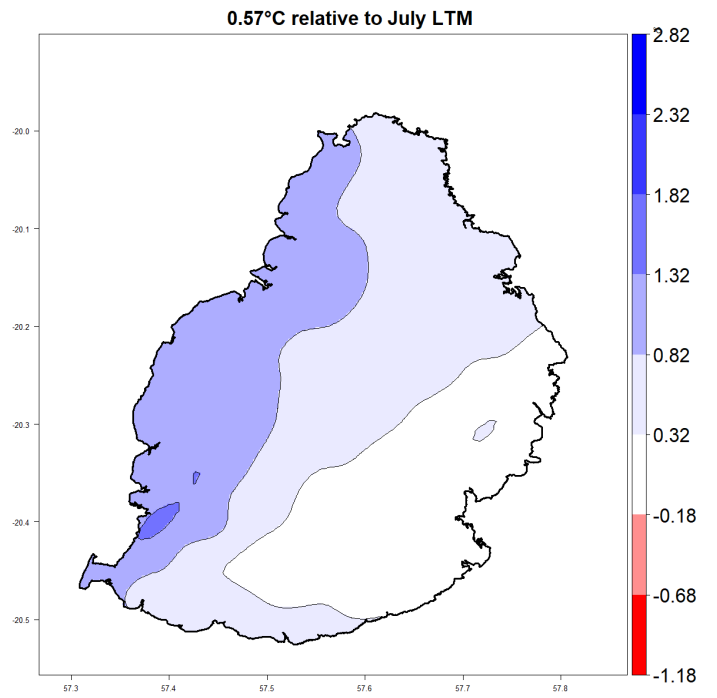
(a) Maximum temperature June



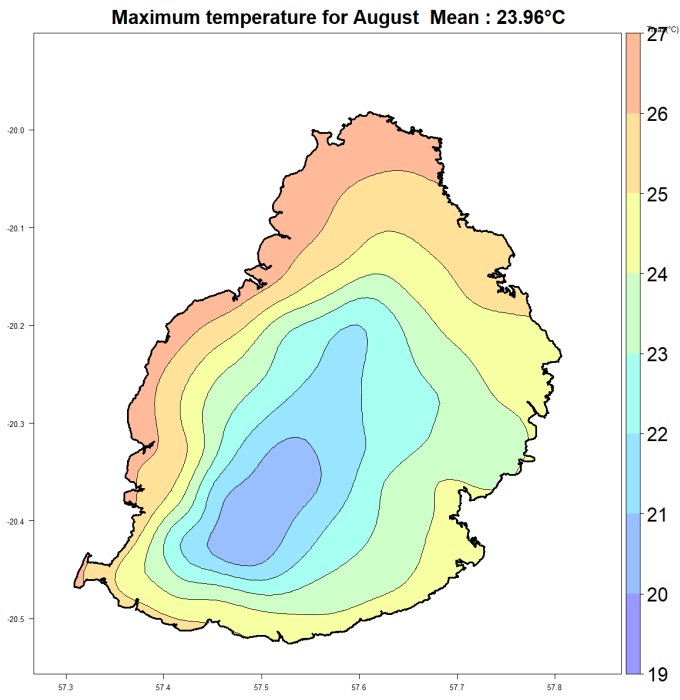
(b) Maximum temperature anomaly June



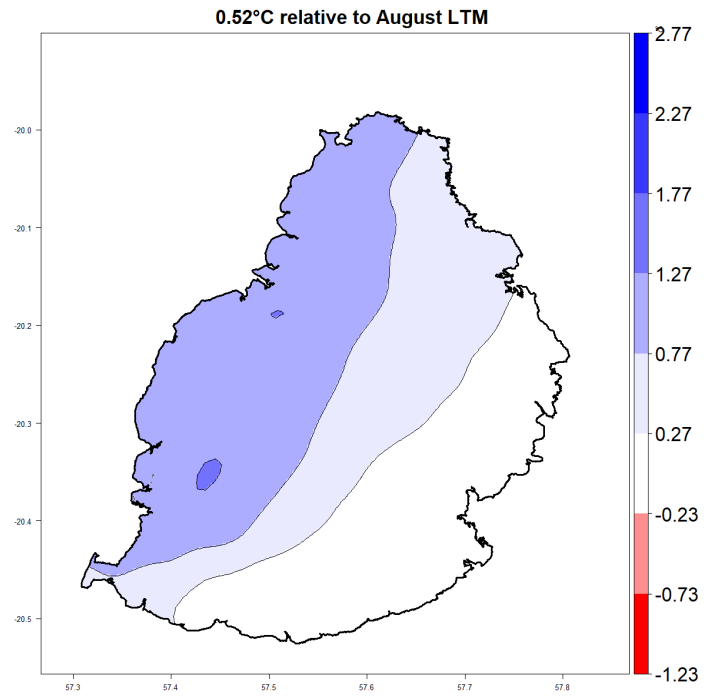
(a) Maximum temperature July



(b) Maximum temperature anomaly July

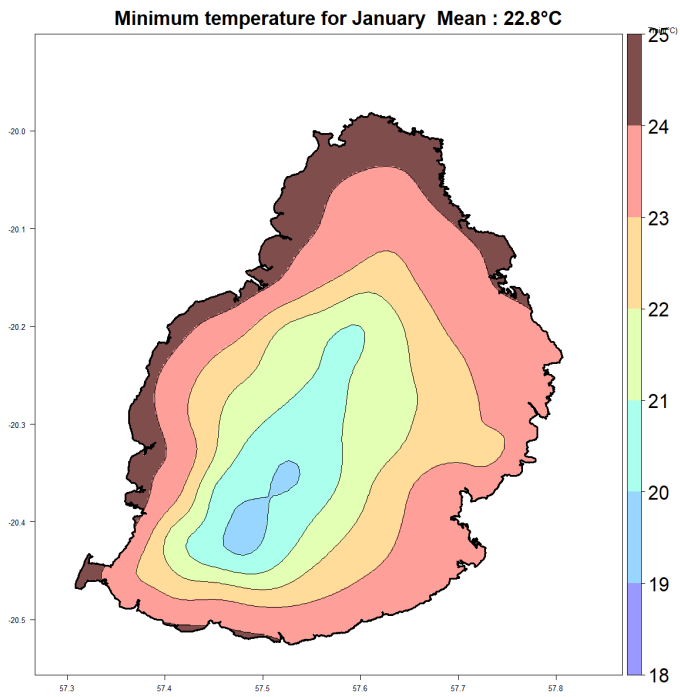


(a) Maximum temperature August

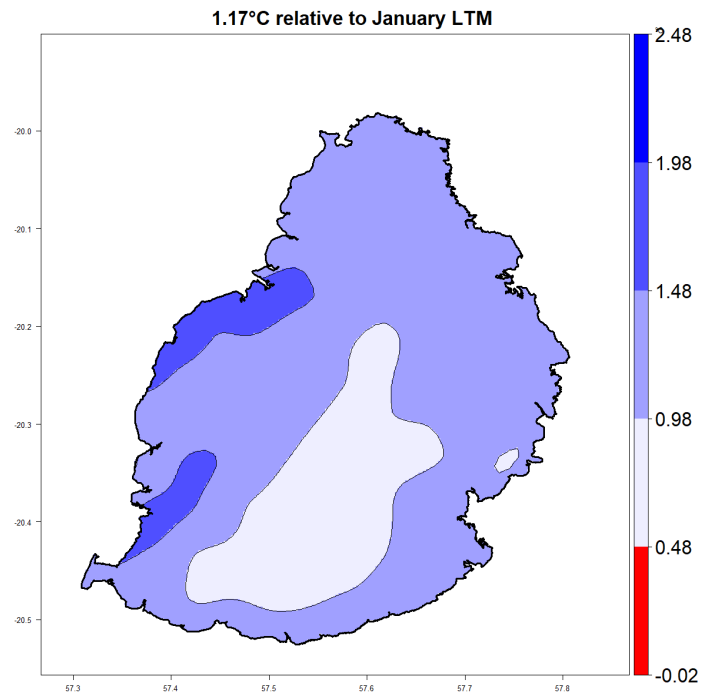


(b) Maximum temperature anomaly August

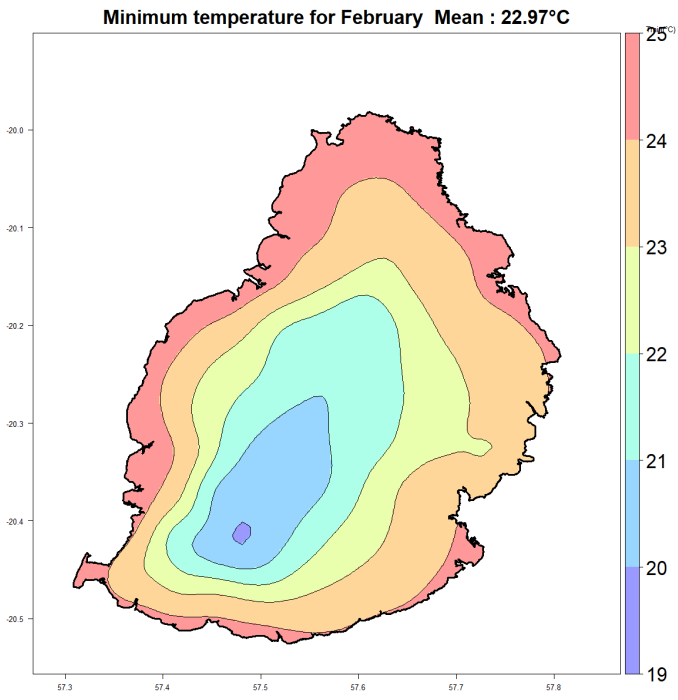
Minimum temperature



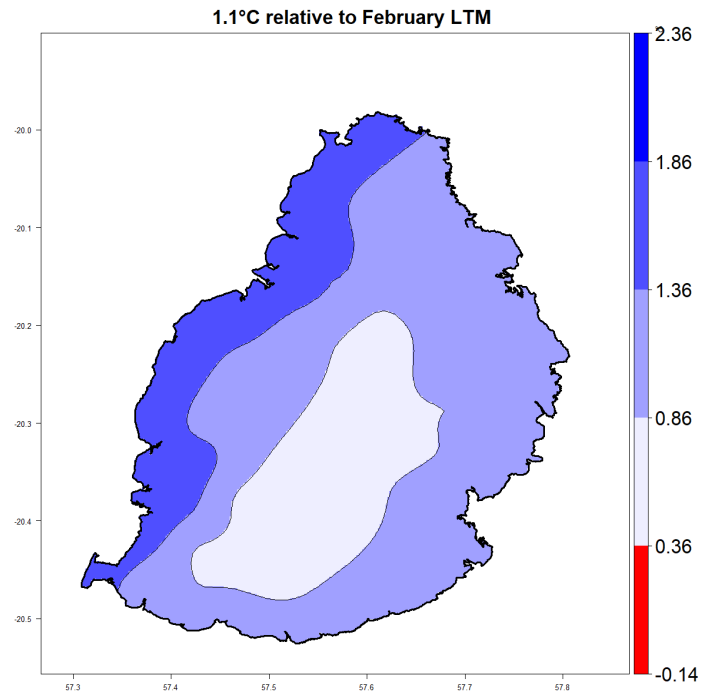
(a) Minimum temperature January



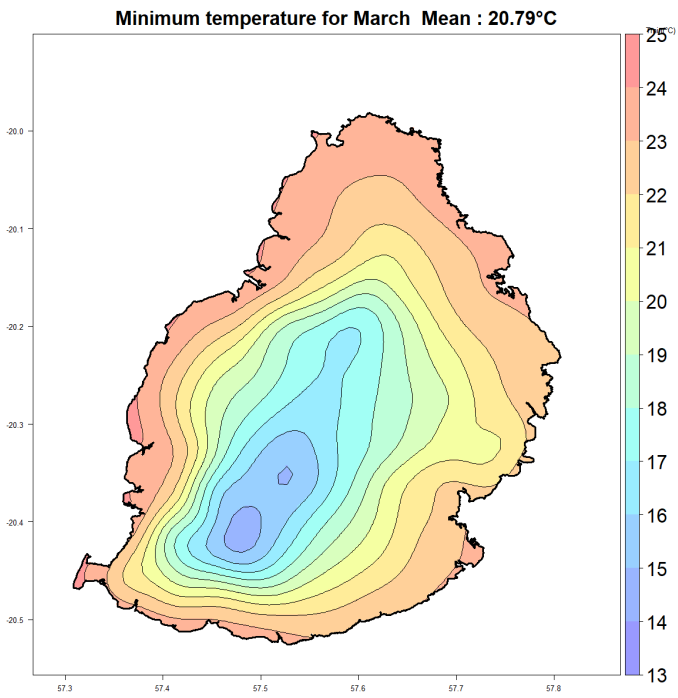
(b) Minimum temperature anomaly January



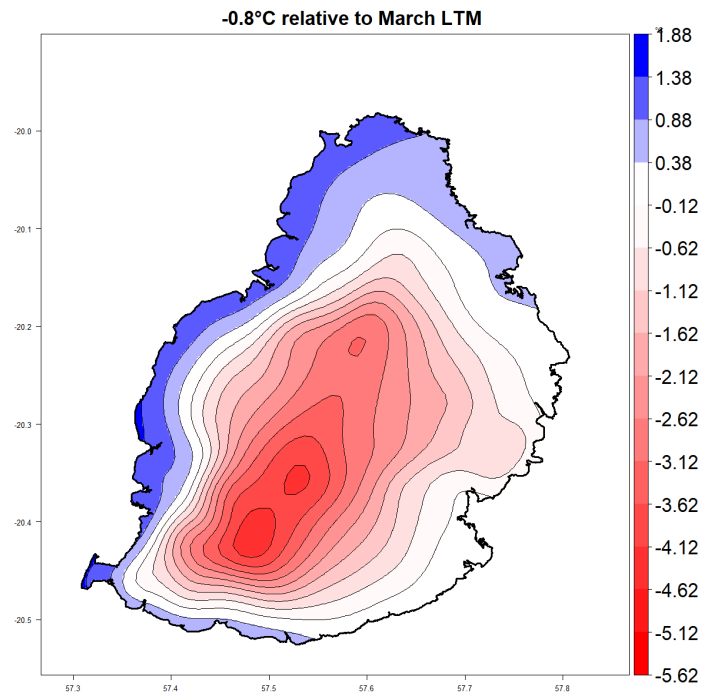
(a) Minimum temperature February



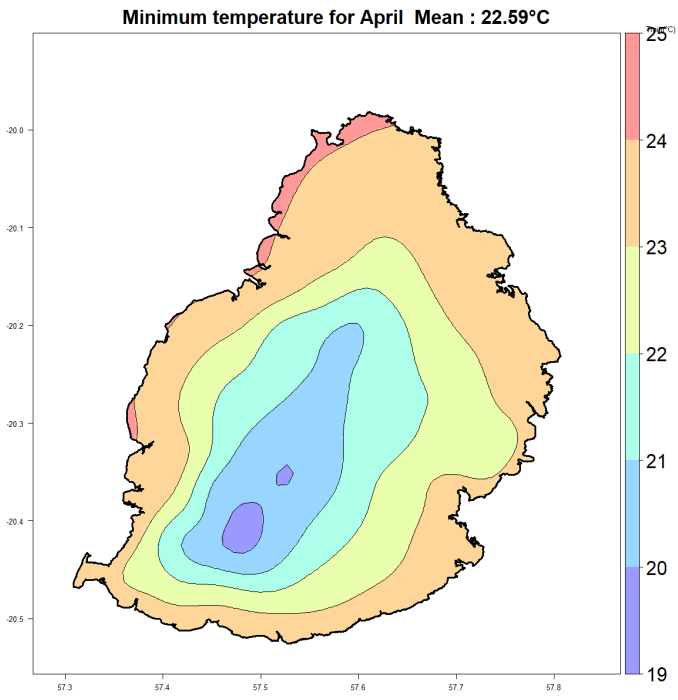
(b) Minimum temperature anomaly February



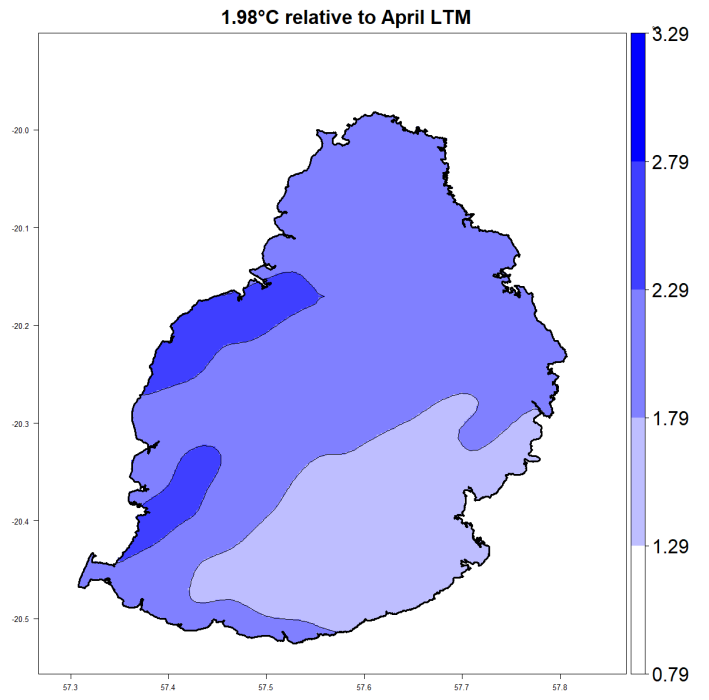
(a) Minimum temperature March



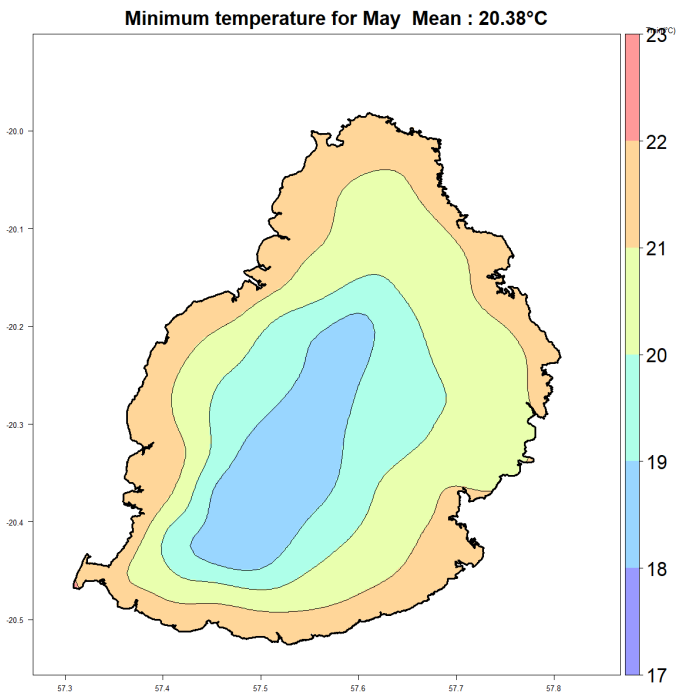
(b) Minimum temperature anomaly March



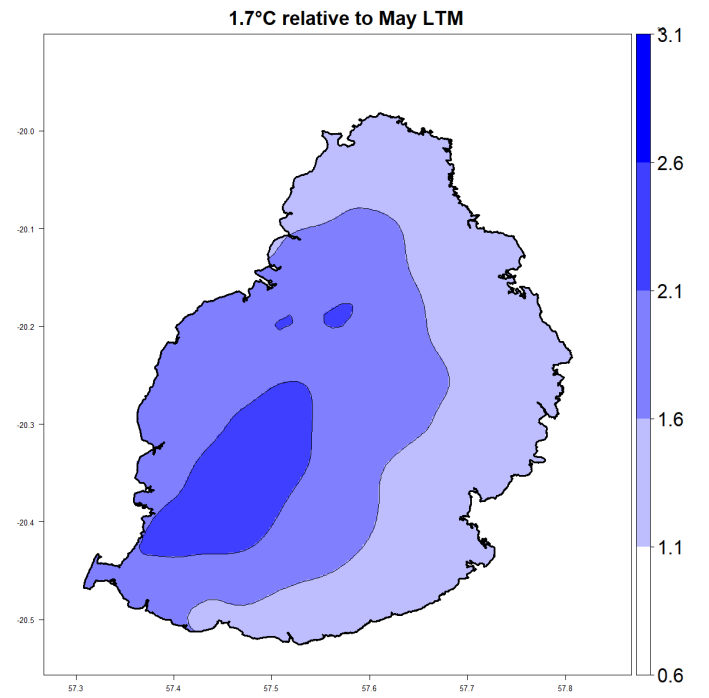
(a) Minimum temperature April



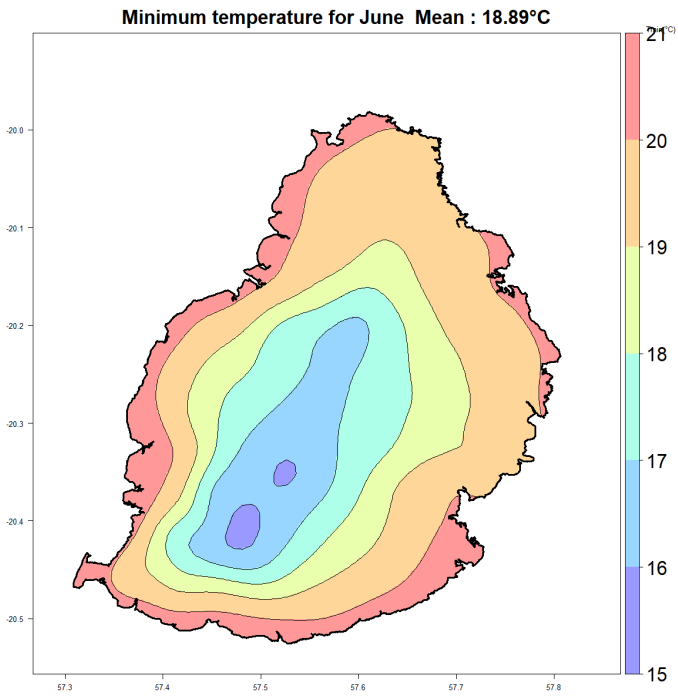
(b) Minimum temperature anomaly April



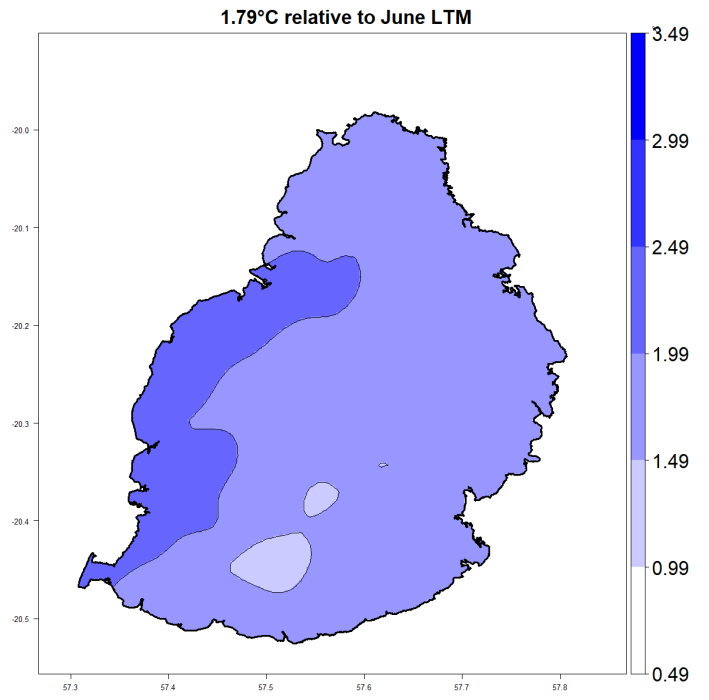
(a) Minimum temperature May



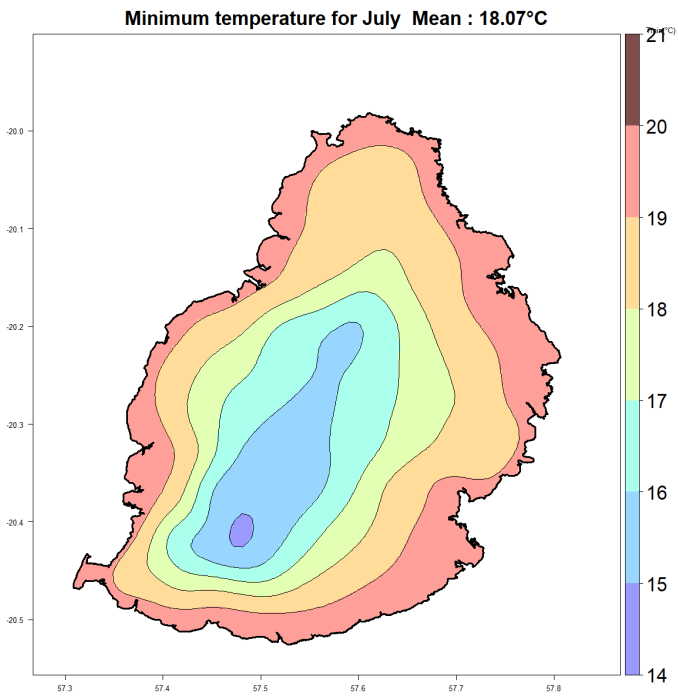
(b) Minimum temperature anomaly May



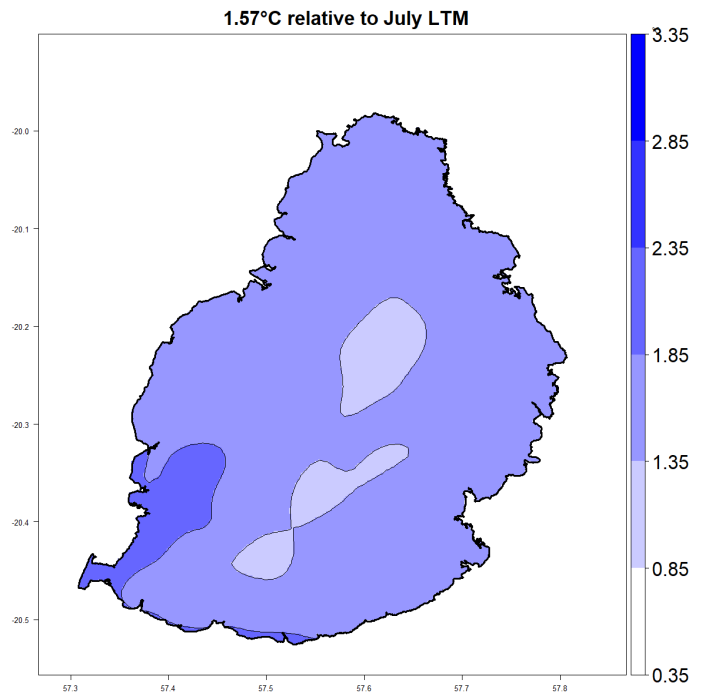
(a) Minimum temperature June



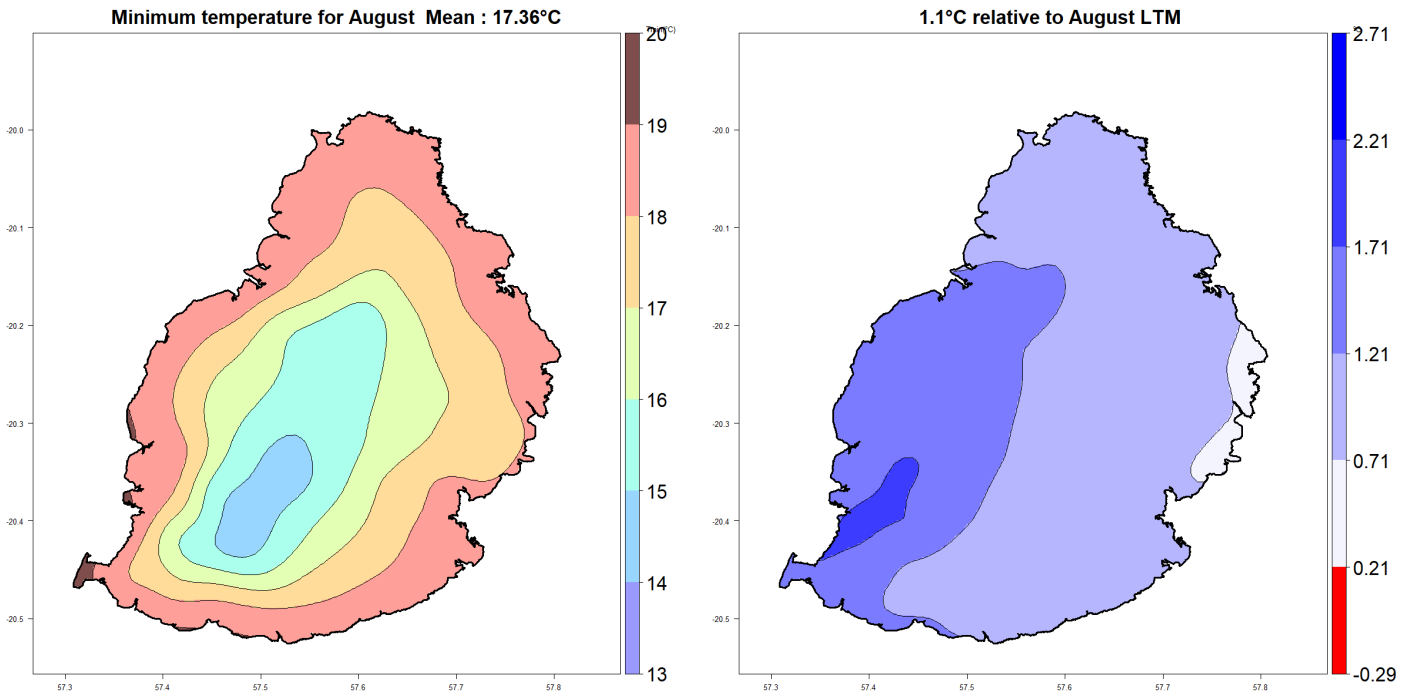
(b) Minimum temperature anomaly June



(a) Minimum temperature July



(b) Minimum temperature anomaly July



(a) Minimum temperature August

(b) Minimum temperature anomaly August

Tabular summary

Table 1: Rainfall

Month	Mean Rainfall (mm)	% LTM
January	168	61
February	117	40
March	175	71.5
April	388	174.7
May	94	64.6
June	153	133
July	168	139.3
August	165	149.4

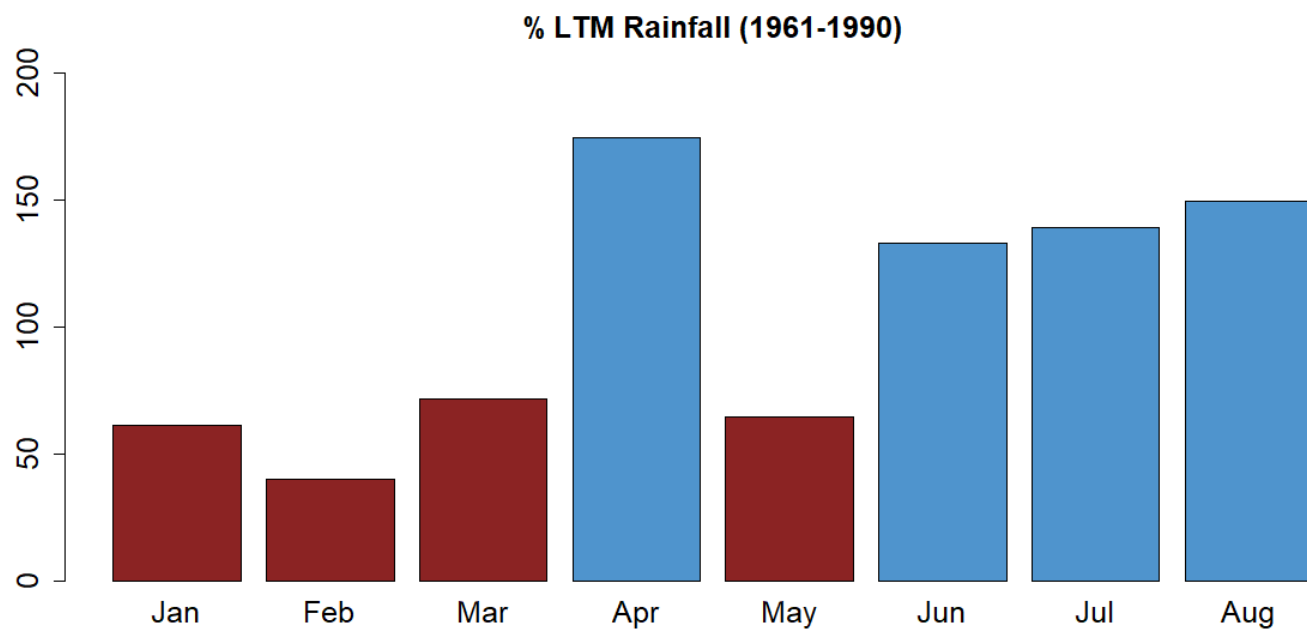


Table 2: SPI

Month	SPI 1-Month
January	-0.6
February	-1.3
March	-0.7
April	1.3
May	-0.5
June	0.5
July	0.7
August	0.9

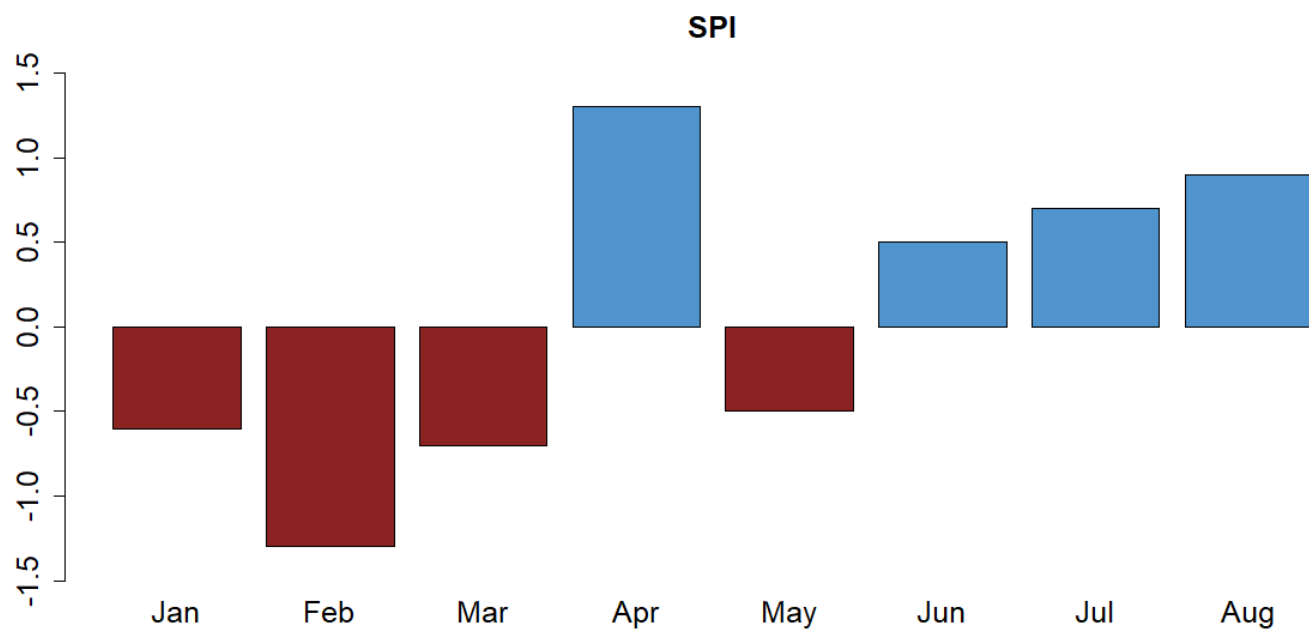


Table 3: Maximum temperature

Month	Average Maximum temperature	Anomaly
January	30.05	1.29
February	30.23	1.41
March	27.82	-0.76
April	28.43	0.77
May	27.5	1.44
June	25.2	0.7
July	24.14	0.57
August	23.96	0.52

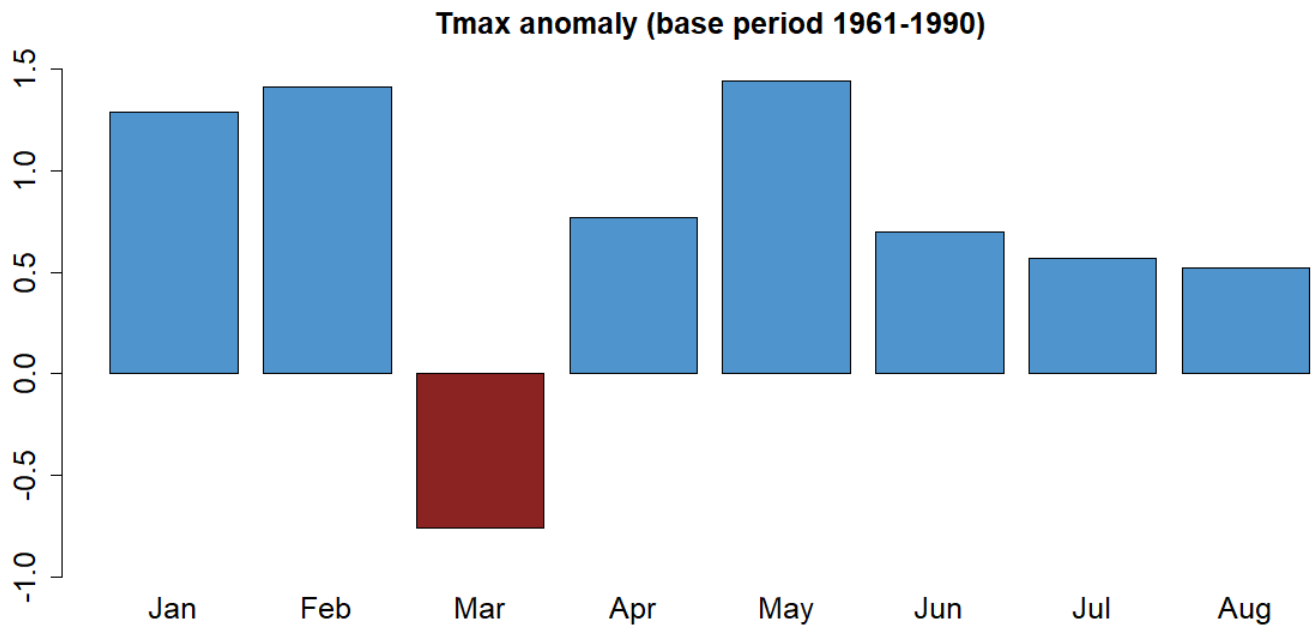


Table 4: Minimum temperature

Month	Average Maximum temperature	Anomaly
January	22.8	1.17
February	22.97	1.1
March	20.79	-0.8
April	22.59	1.99
May	20.38	1.7
June	18.89	1.79
July	18.07	1.57
August	17.38	1.1

