

附錄 1、環境因子資料開放資料庫列表

Appendix 1. List of environmental open databases

因子類型	資料庫	資料庫全名	資料涵蓋時間	解析度	資料來源連結	數位物件識別碼 (Digital Object Identifier, DOI)
DTM	GTOPO30	Digital Elevation - Global 30 Arc-Second Elevation	1996	30 arc sec**	https://earthexplorer.usgs.gov/	10.5066/F7DF6PQS
DTM	GMTED	Global Multi-resolution Terrain Elevation Data	2010	7.5 arc sec	https://earthexplorer.usgs.gov/	10.5066/F7J38R2N
DTM	ASTER GDEM v.2*	Advanced Spaceborne Thermal Emission and Reflection Radiometer Global Digital Elevation Model Version 2	2011	1 arc sec	https://earthexplorer.usgs.gov/	10.5067/ASTER/ASTGTM.002
DTM	SRTM	Shuttle Radar Topography Mission	2014	1 arc sec	https://earthexplorer.usgs.gov/	10.5066/F7PR7TFT
DTM	ALOS World 3D-30m (AW3D30)	Advanced Land Observing Satellite World 3D-30m	2015	1 arc sec	https://www.eorc.jaxa.jp/ALOS/en/aw3d30/index.htm	10.1109/IGARSS.2015.7326657
DTM	TanDEM-X	TerraSAR-X add-on for Digital Elevation Measurements	2016	3 arc sec	https://geoservice.dlr.de/web/dataguide/tdm90/	10.1080/01431161.2019.1585593

因子類型	資料庫	資料庫全名	資料涵蓋時間	解析度	資料來源連結	數位物件識別碼 (Digital Object Identifier, DOI)
Climate	CRU TS v.4.01	Climatic Research Unit Time-Series Version 4.01	1901 - 2016	0.5 degree	https://crudata.uea.ac.uk/cru/data/hrg/	10.1002/joc.3711
Climate	WorldClim v.1.4	Global climate layers (gridded climate data) Version 1.4	1960 - 1990	30 arc sec	http://worldclim.org/version1	10.1002/joc.1276
Climate	TCCIP	Taiwan Climate Change Projection and Information Platform	1960 - 2015	5 km	https://tccip.ncdr.nat.gov.tw/ds/	
Climate	WorldClim v.2.0	Global climate layers (gridded climate data) Version 2.0	1970 - 2000	30 arc sec	http://worldclim.org/version2	10.1002/joc.5086
Climate	CHELSA*	Climatologies at High Resolution for the Earth's Land Surface Areas Version 1.2	1979 - 2013	30 arc sec	https://www.wsl.ch/lud/chelsa/data/timeseries/	10.5061/dryad.kd1d4
land cover	ESA CCI IC Maps v.2.0.7*	European Space Agency Climate Change Initiative Land Cover Maps Version 2.0.7	1992 - 2015	0.3 km	http://maps.elie.ucl.ac.be/CCI/viewer	doi.org/10.5194/essd-10-219-2018
land cover	GLC2000	Global Land Cover database for the year 2000	1999 - 2000	1 km	https://data.terrapop.org/terraclip#	10.1080/01431160412331291297

因子類型	資料庫	資料庫全名	資料涵蓋時間	解析度	資料來源連結	數位物件識別碼 (Digital Object Identifier, DOI)
land cover	MCD12Q1v006	The Terra and Aqua combined Moderate Resolution Imaging Spectroradiometer Land Cover Type Version 6	2001 - 2017	0.5 km	https://lpdaac.usgs.gov/products/mcd12q2v006/	doi.org/10.5067/MODIS/MCD12Q1.006

* 採用的環境因子資料庫

**30 arc sec 約為 1 km

附錄 2、歐洲太空總署的氣候變遷計畫的全球歷年土地覆蓋資料集 (European Space Agency Climate Change Initiative Land Cover Maps Version 2.0.7, ESA CCI LC maps) 圖例與匯算至「臺灣陸域環境因子多時序資料集」方法說明。

Appendix 2. Legends of European Space Agency climate change initiative land cover maps, and the converted formulas of the terrestrial and multi-temporal environmental dataset of Taiwan.

ESA CCI LC maps 原有 37 種土地覆蓋類型，以下為將本研究範圍內包含其中 22 項土地覆蓋類型重新匯算至 9 種土地覆蓋分類方式，計算每個 1 km² 網格內的各類土地覆蓋類型面積值 (m²)，詳細圖例與對應方式見附錄 2 表 1。

- (1) 農田 (Farm field, FF) : $\text{type10} \times 100\% + \text{type30} \times 55\% + \text{type40} \times 40\%$
- (2) 草本、草本作物 (旱田) (Meadow, MD) : $\text{type11} \times 100\% + \text{type30} \times 15\% + \text{type40} \times 20\% + \text{type100} \times 40\% + \text{type110} \times 20\% + \text{type130} \times 100\% + \text{type150} \times 5\%$
- (3) 農濕地 (Farm Wetland, FW) : $\text{type20} \times 100\%$
- (4) 森林 (Forest, FO) : $\text{type50} \times 100\% + \text{type12} \times 50\% + \text{type30} \times 15\% + \text{type40} \times 20\% + \text{type60} \times 100\% + \text{type61} \times 100\% + \text{type62} \times 100\% + \text{type70} \times 100\% + \text{type80} \times 100\% + \text{type100} \times 30\% + \text{type110} \times 60\% + \text{type150} \times 5\% + \text{type160} \times 100\% + \text{type170} \times 100\%$
- (5) 灌叢 (Bush, BU) : $\text{type120} \times 100\% + \text{type12} \times 50\% + \text{type30} \times 15\% + \text{type40} \times 20\% + \text{type100} \times 30\% + \text{type110} \times 20\% + \text{type121} \times 100\% + \text{type150} \times 5\%$
- (6) 濕地 (Wetland, WL) : $\text{type180} \times 100\%$
- (7) 都市 (Urban Area, UB) : $\text{type190} \times 100\%$
- (8) 水體 (Water Body, WB) : $\text{type200} \times 100\% + \text{type150} \times 85\% + \text{type201} \times 100\% + \text{type202} \times 100\%$
- (9) 裸露地 (Bare Land, BL) : $\text{type210} \times 100\%$

附錄 2、表 1、ESA CCI LC maps 原始 37 種土地覆蓋類型定義與匯算方式

Appendix 2. Table 1. The original legends of ESA CCI LC maps and the converted formula

原始 ESA CCI LC maps 圖層圖例描述				本資料集			
原始代碼	ESA CCI LC maps 代表地景	圖例定義中文說明	圖例顏色	重新匯算面積分配比例	代碼	英文名稱	中文名稱
0	No Data	沒有數據					
10	Cropland, rainfed	農田			FF	Farm Field	農田

原始 ESA CCI LC maps 圖層圖例描述				本資料集			
11	Herbaceous cover	草本			MD	Meadow	草本、草本作物 (旱田)
12	Tree or shrub cover	樹或灌木		50:50% to FO and BU			
20	Cropland, irrigated or post-flooding	農田，灌溉或後淹水			FW	Farm Wetland	農濕地
30	Mosaic cropland (>50%) / natural vegetation (tree, shrub, herbaceous cover) (<50%)	農地與自然植被鑲嵌（樹、灌叢、草生），農地大於一半		55:15:15:15% to FF, FO, BU and MD			
40	Mosaic natural vegetation (tree, shrub, herbaceous cover) (>50%) / cropland (<50%)	農地與自然植被鑲嵌（樹、灌叢、草生），農地小於一半		40:20:20:20% to FF, FO, BU and MD			
50	Tree cover, broadleaved, evergreen, closed to open (>15%)	樹木覆蓋，闊葉，常綠，開放 (> 15%)			FO	Forest	森林
60	Tree cover, broadleaved, deciduous, closed to open (>15%)	樹木覆蓋，闊葉，落葉，開放 (> 15%)		空間範圍內不含此類			
61	Tree cover, broadleaved, deciduous, closed (>40%)	樹木覆蓋，闊葉，落葉，關閉 (> 40%)		空間範圍內不含此類			
62	Tree cover, broadleaved, deciduous, open (15-40%)	樹木覆蓋，闊葉，落葉，開放 (15-40%)		100% to FO			
70	Tree cover, needleleaved, evergreen, closed to open (>15%)	樹木覆蓋，針葉，常綠，開放 (> 15%)		100% to FO			
71	Tree cover, needleleaved, evergreen, closed (>40%)	樹木覆蓋，針葉，常綠，關閉 (> 40%)		空間範圍內不含此類			
72	Tree cover, needleleaved, evergreen, open (15-40%)	樹木覆蓋，針葉，常綠，開放 (15-40%)		空間範圍內不含此類			
80	Tree cover, needleleaved, deciduous, closed to open (>15%)	樹木覆蓋，針葉，落葉，開放 (> 15%)		100% to FO			
81	Tree cover, needleleaved, deciduous, closed (>40%)	樹木覆蓋，針葉，落葉，關閉 (> 40%)		空間範圍內不含此類			

原始 ESA CCI LC maps 圖層圖例描述			本資料集			
82	Tree cover, needleleaved, deciduous, open (15-40%)	樹木覆蓋，針葉，落葉，開放 (15-40%)		空間範圍內不含此類		
90	Tree cover, mixed leaf type (broadleaved and needleleaved)	針闊葉混和		空間範圍內不含此類		
100	Mosaic tree and shrub (>50%) / herbaceous cover (<50%)	樹及灌叢多於草本		30:30:40% to FO, BU and MD		
110	Mosaic herbaceous cover (>50%) / tree and shrub (<50%)	草本多於樹及灌叢		60:20:20% to FO, BU and MD		
120	Shrubland	灌叢			BU	Bush 灌叢
121	Evergreen shrubland	常綠灌叢		100% to BU		
122	Deciduous shrubland	落葉灌叢		空間範圍內不含此類		
130	Grassland	草地		100% to MD		
140	Lichens and mosses	地衣和苔蘚		空間範圍內不含此類		
150	Sparse vegetation (tree, shrub, herbaceous cover) (<15%)	稀疏植被 (樹木，灌木，草本植物) (<15%)		5:5:5:85% to FO, BU, MD and BL		
152	Sparse shrub (<15%)	稀疏灌木 (<15%)		空間範圍內不含此類		
153	Sparse herbaceous cover (<15%)	稀疏草本覆蓋 (<15%)		空間範圍內不含此類		
160	Tree cover, flooded, fresh or brackish water	樹木覆蓋，淹水，新鮮或自然水		100% to FO		
170	Tree cover, flooded, saline water	樹木覆蓋，被淹沒，鹹水		100% to FO		
180	Shrub or herbaceous cover, flooded, fresh/saline/brackish water	灌木或草本覆蓋，淹水，淡水/鹽水/微鹹水			WL	Wetland 濕地
190	Urban areas	城市地區			UB	Urban Area 城市地區
200	Bare areas	裸露地			BL	Bare Land 裸露地

原始 ESA CCI LC maps 圖層圖例描述				本資料集			
201	Consolidated bare areas	裸露地		空間範圍內不含此類			
202	Unconsolidated bare areas	裸露地		空間範圍內不含此類			
210	Water bodies	水體			WB	Water Body	水體
220	Permanent snow and ice			空間範圍內不含此類			

附錄 3、臺灣陸域環境因子圖集

Appendix 3. Atlases of terrestrially environmental factors in Taiwan island and its outlying islands.

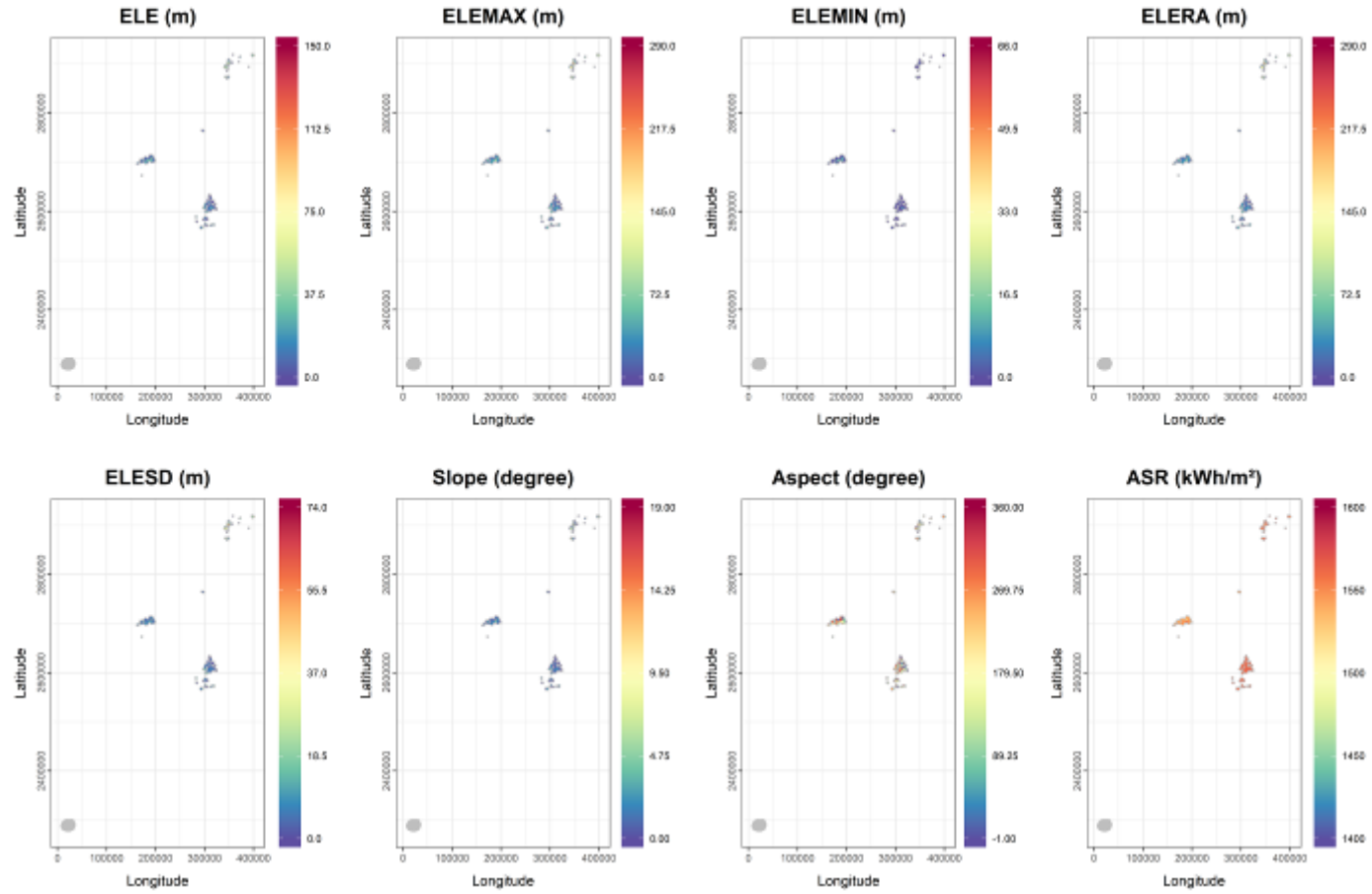


圖 1、臺灣離島地形因子，由左上至右下分別是平均海拔 (ELE)、最高海拔 (ELEMAX)、最低海拔 (ELEMEN)、海拔跨幅 (ELERA)、海拔變化 (ELES)、坡度 (Slope)、坡向 (Aspect)與日射量 (Solar)。

Figure 1. Topographical factors of Taiwan's outlying islands, including the mean of elevation (ELE), maximum elevation (ELEMAX),

minimum elevation (ELEMEN), elevation range (ELERA), standard deviation of elevation (ELES), slope, aspect, and area solar radiation. (ASR).

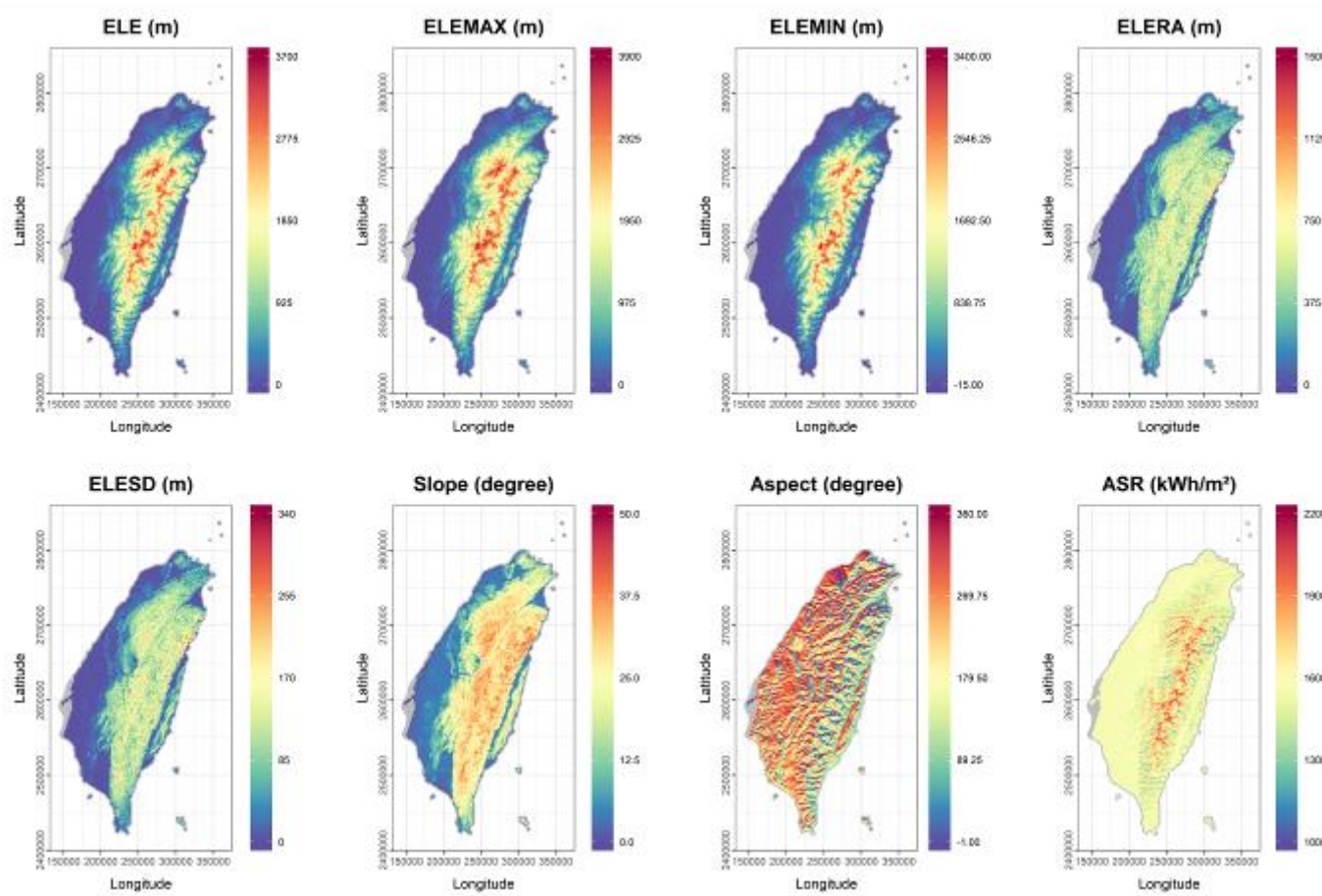
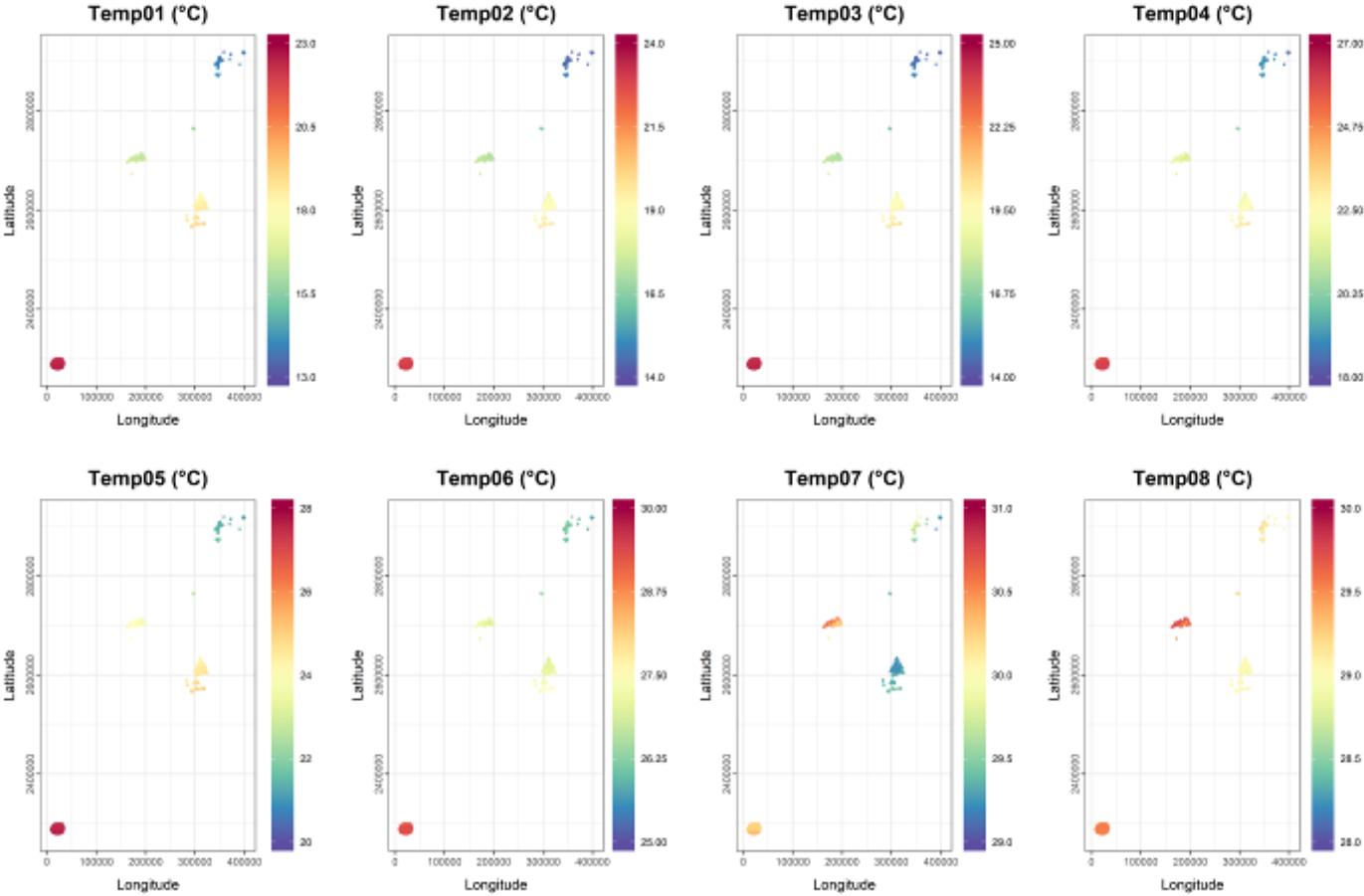


圖 2、臺灣本島地形因子，由左上至右下分別是平均海拔 (ELE)、最高海拔 (ELEMAX)、最低海拔 (ELEMEN)、海拔跨幅 (ELERA)、海拔變化 (ELES)、坡度 (Slope)、坡向 (Aspect)與日射量 (Solar)。

Figure 2. Topographical factors of Taiwan proper, including the mean of elevation (ELE), maximum elevation (ELEMAX), minimum

elevation (ELEMEN), elevation range (ELERA), standard deviation of elevation (ELES), slope, aspect, and area solar radiation.



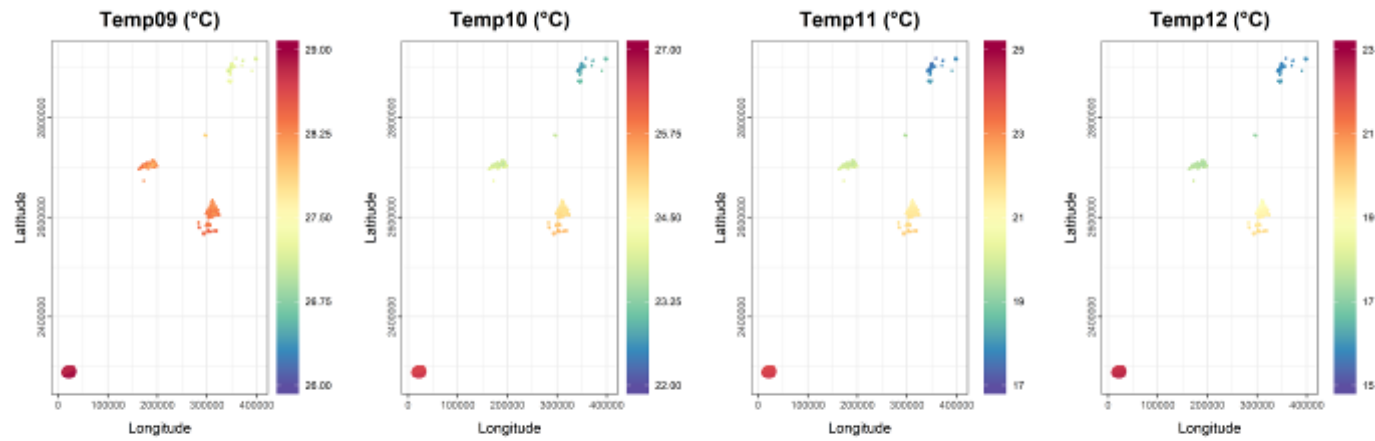
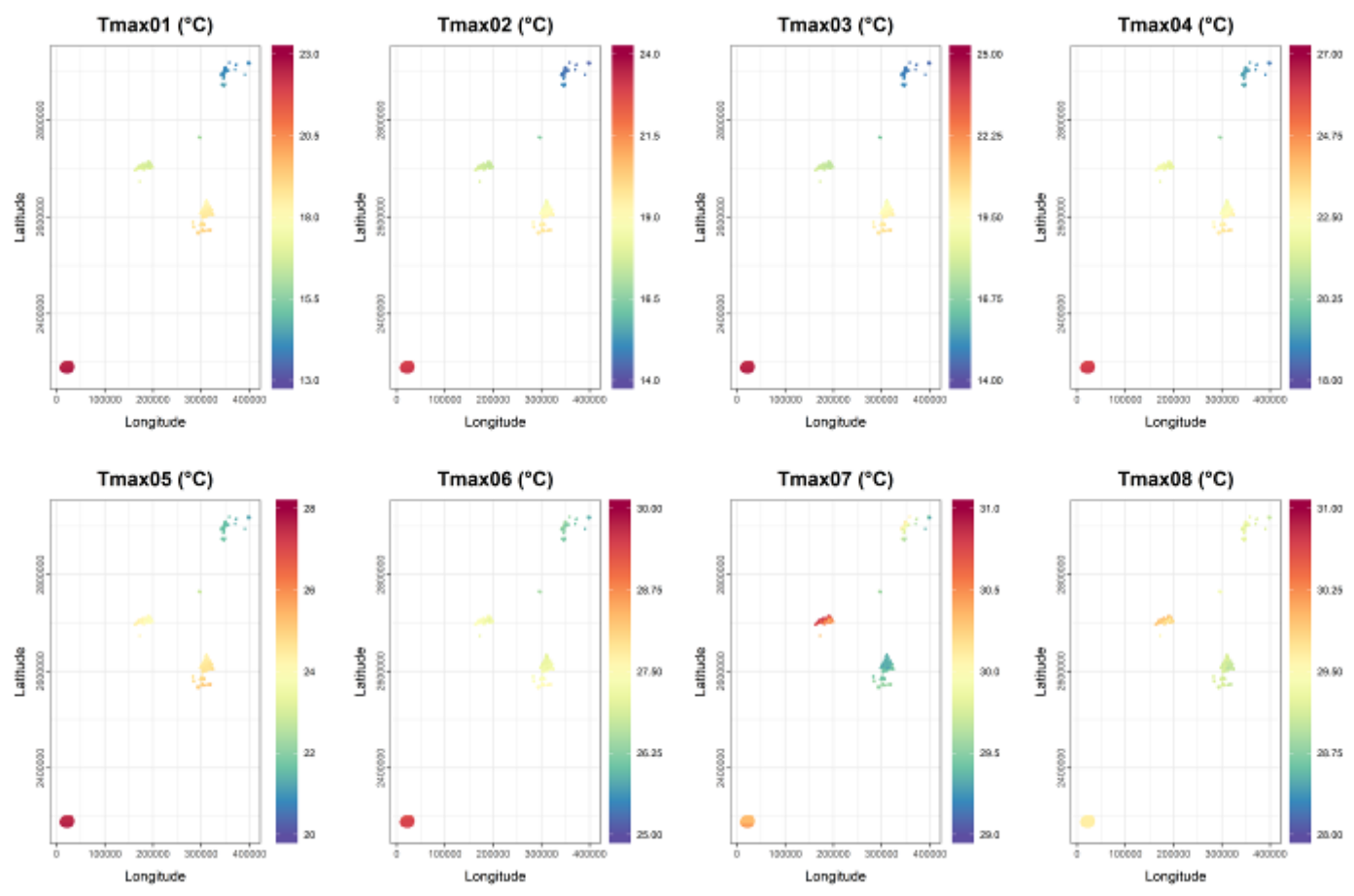


圖 3.1、1970 年代臺灣離島每月均溫圖，由左上至右下分別是 1 月至 12 月各月均溫。

Figure 3.1. The mean monthly temperature of Taiwan's outlying islands in the 1970s, and there were maps of monthly mean of daily mean temperature from January (Temp01) to December (Temp12).



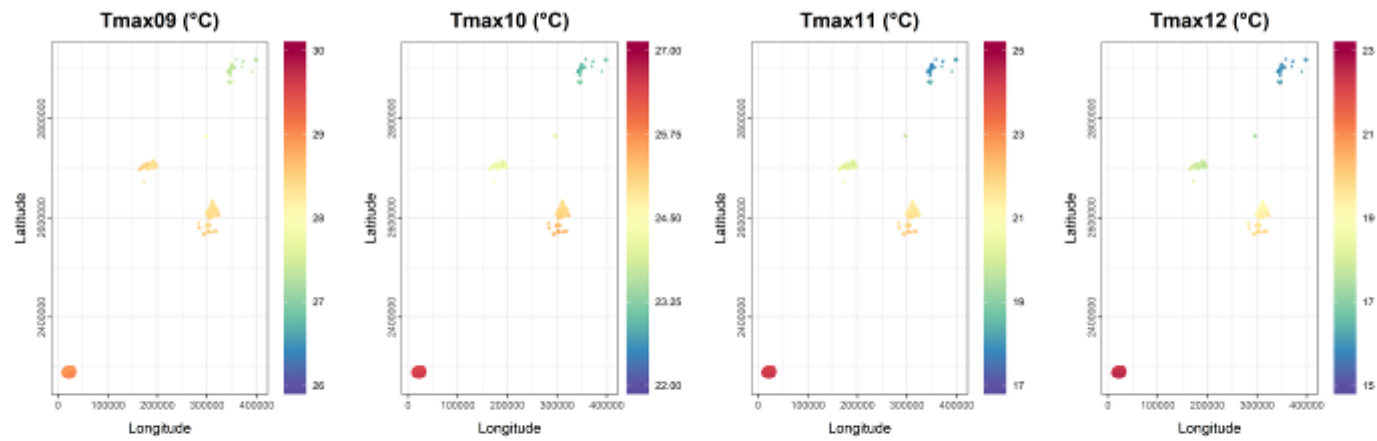
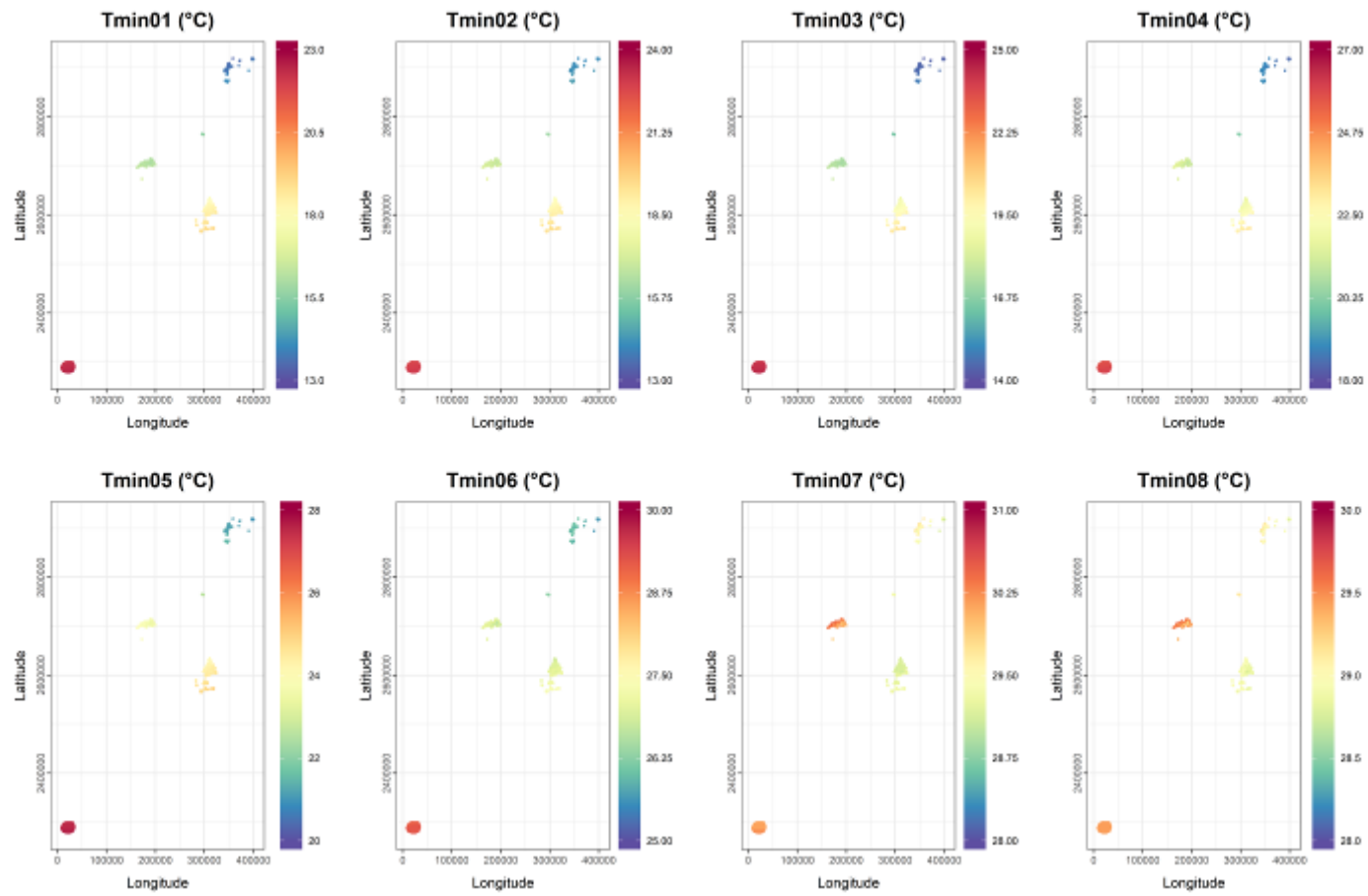


圖 3.2、1970 年代臺灣離島每月高溫圖，由左上至右下分別是 1 月至 12 月各月高溫。

Figure 3.2. The maximum monthly temperature of Taiwan's outlying islands in the 1970s, and there were maps of monthly mean of daily maximum temperature from January (Tmax01) to December (Tmax12).



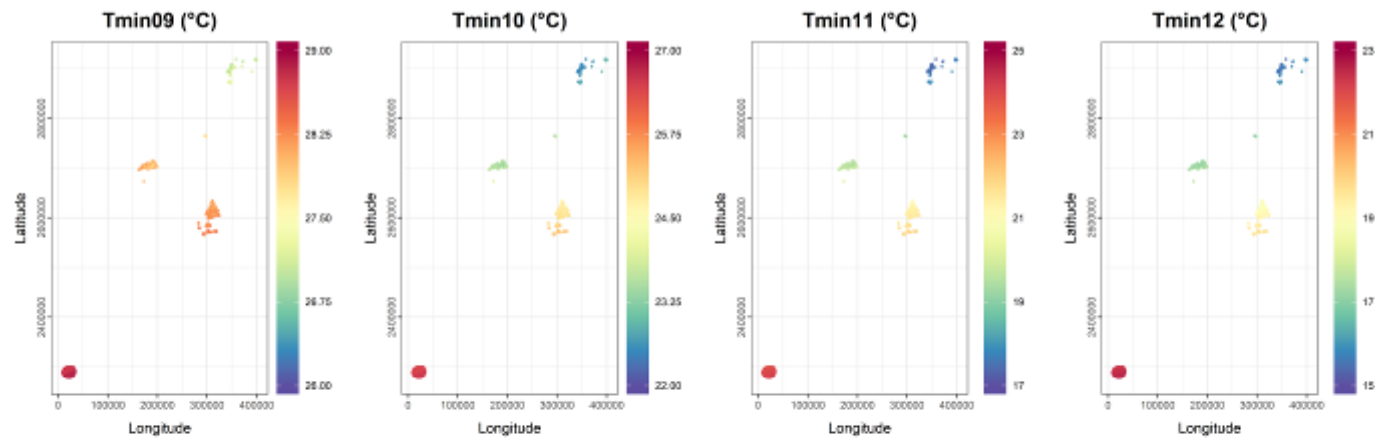
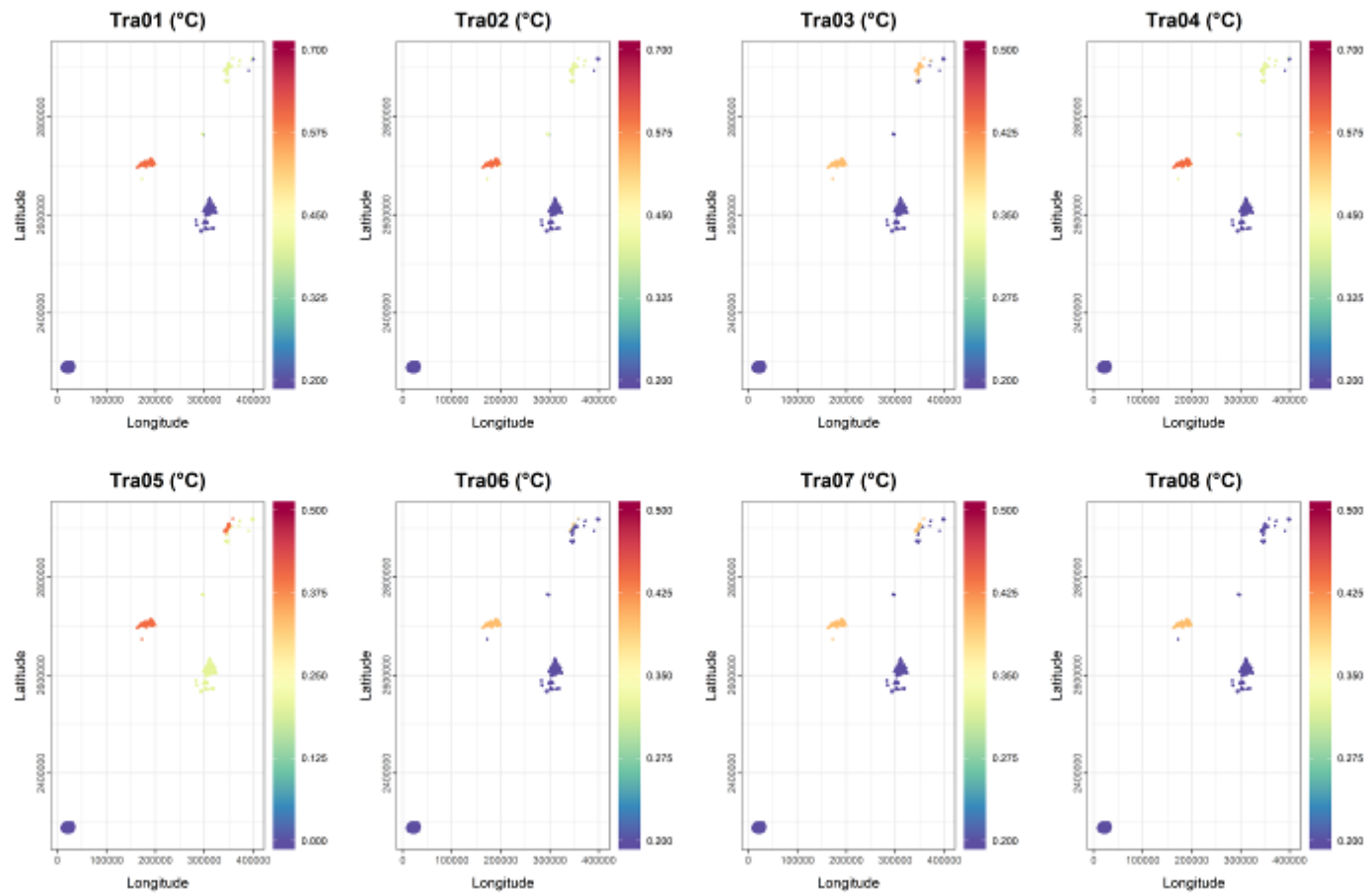


圖 3.3、1970 年代臺灣離島每月低溫圖，由左上至右下分別是 1 月至 12 月各月低溫。

Figure 3.3. The minimum monthly temperature of Taiwan's outlying islands in the 1970s, and there were maps of monthly mean of daily minimum temperature from January (Tmin01) to December (Tmin12).



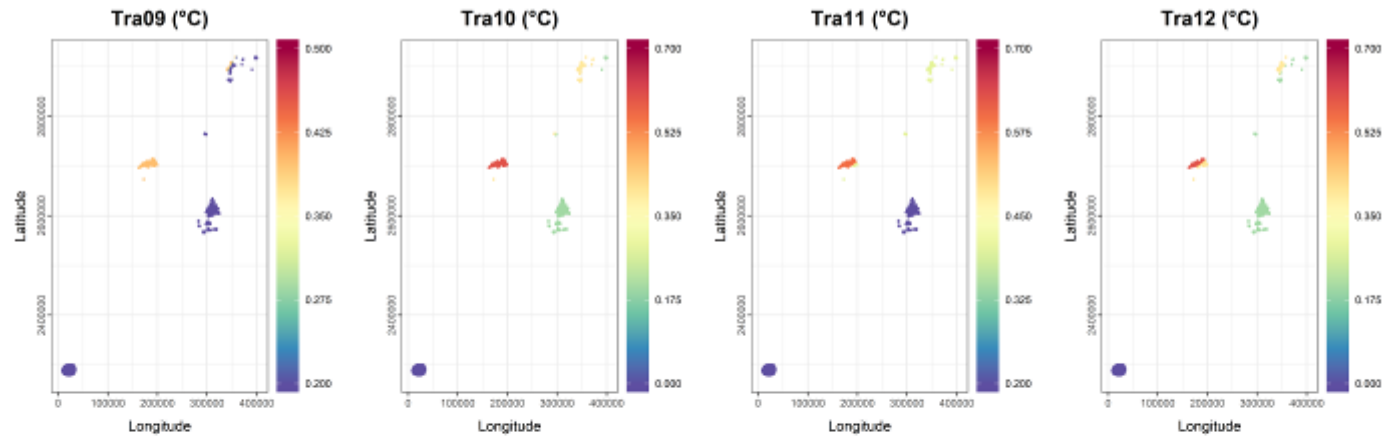
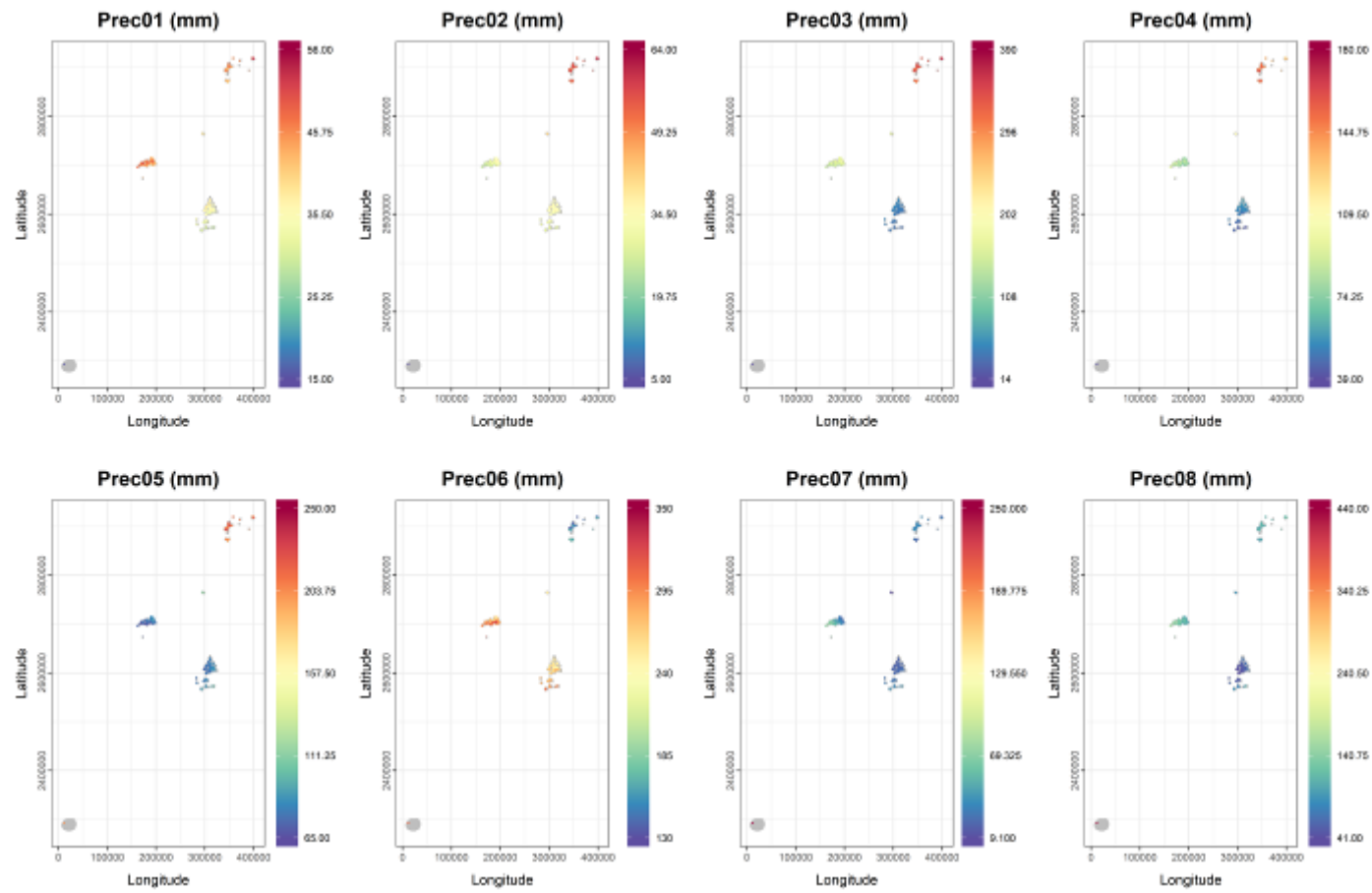


圖 3.4、1970 年代臺灣離島每月平均日溫差圖，由左上至右下分別是 1 月至 12 月各月每平均日溫差圖。

Figure 3.4. The range of maximum and minimum monthly temperature of Taiwan's outlying islands in the 1970s, and there were maps of the range of maximum and minimum monthly temperature from January (Tra01) to December (Tra12).



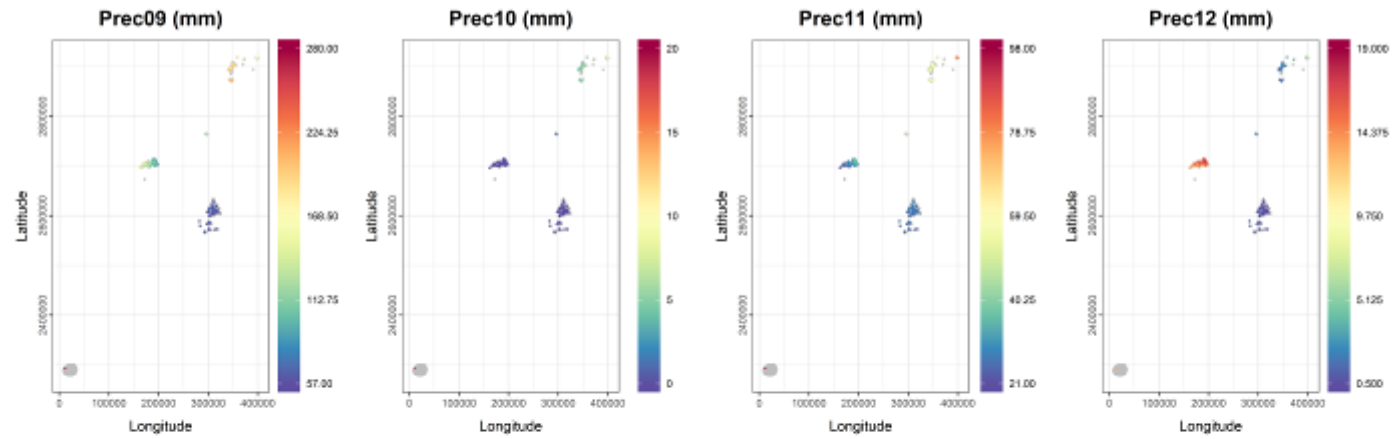
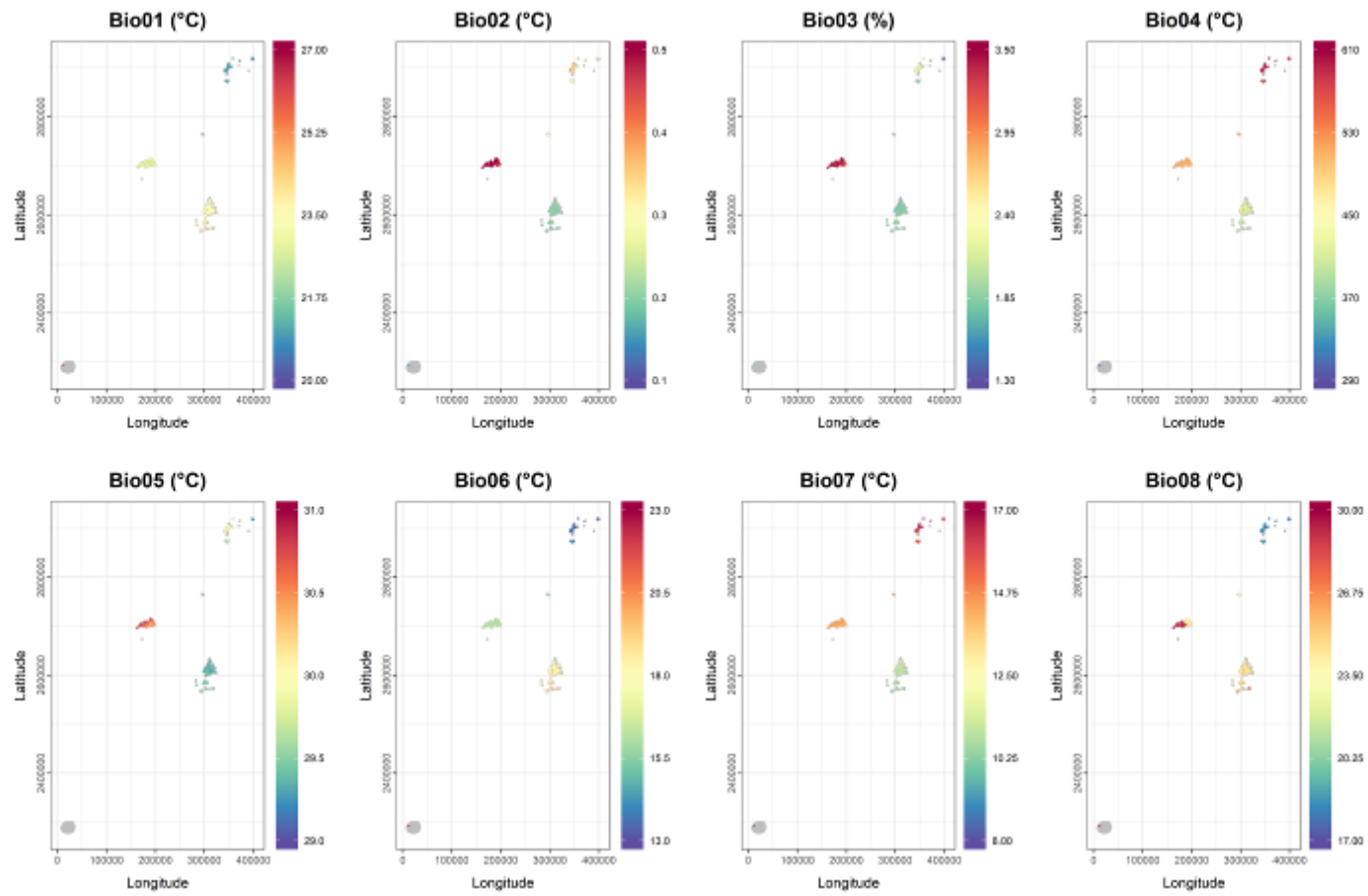
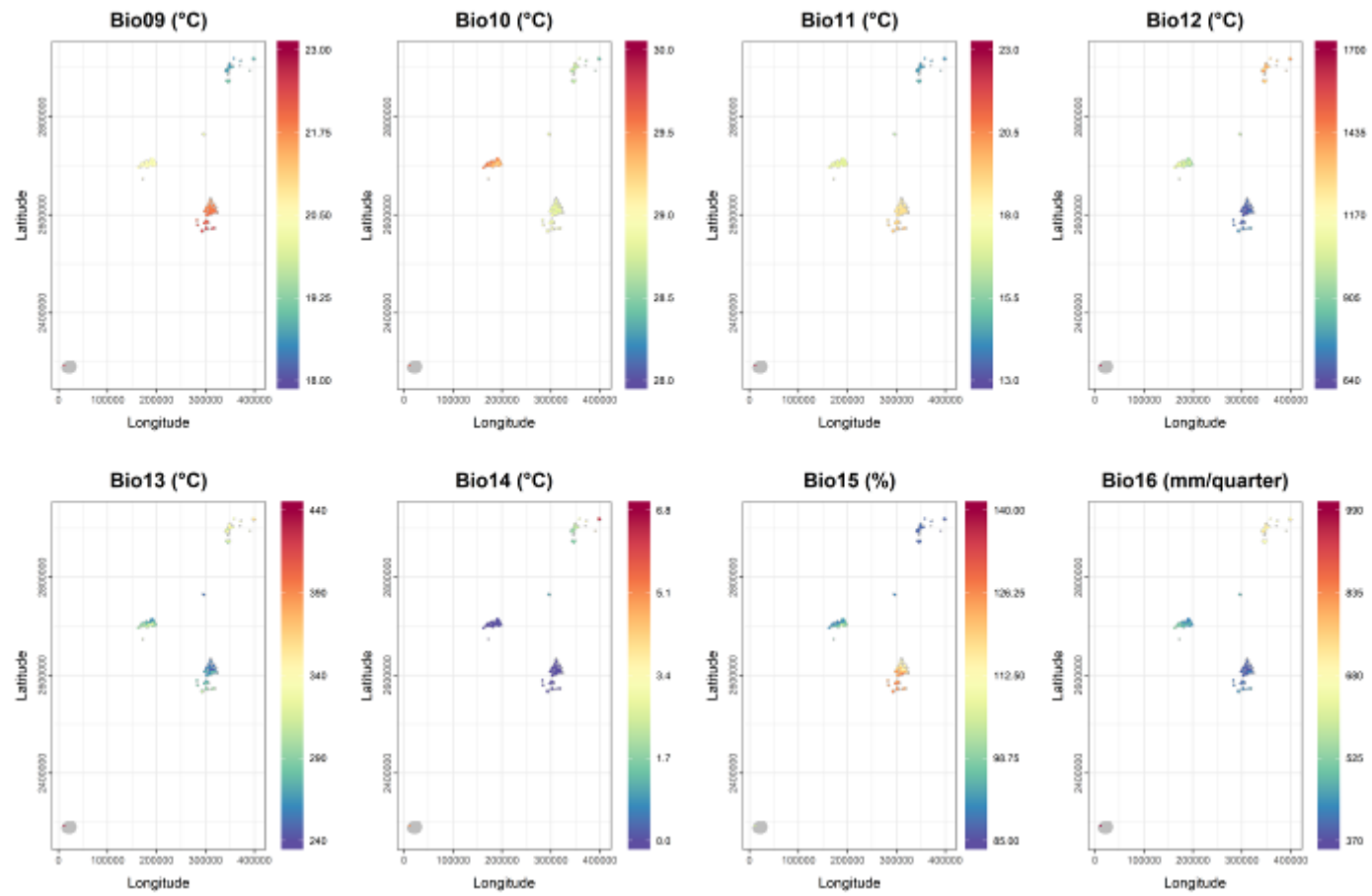


圖 3.5、1970 年代臺灣離島每月降水量圖，由左上至右下分別是 1 月至 12 月各月降水量圖。

Figure 3.5. The monthly precipitation sums of Taiwan's outlying islands in the 1970s, and there were maps of monthly precipitation sums from January (Pre01) to December (Pre12).





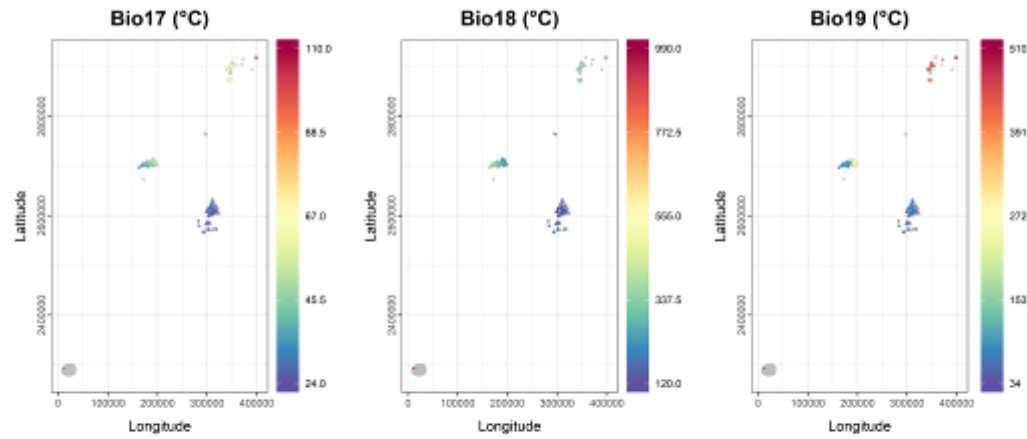
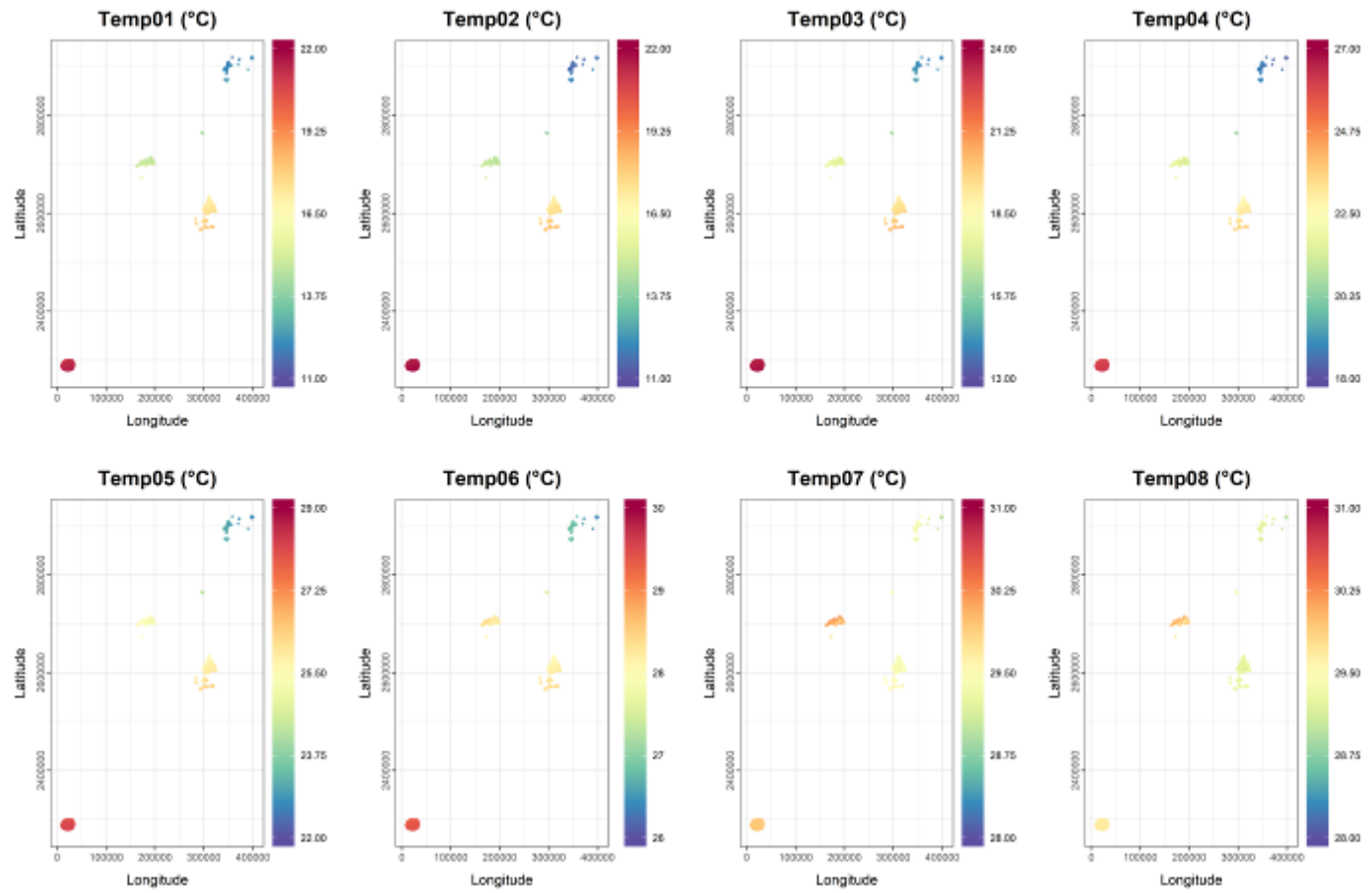


圖 3.6、1970 年代臺灣離島生物氣候變數圖，由左上至右下分別是年均溫 (Bio01)、平均日溫差 (Bio02)、溫度恆定性 (Bio03)、溫度季節性 (Bio04)、最暖月份之最高溫 (Bio05)、最冷月份之最低溫 (Bio06)、年溫差 (Bio07)、最潮濕季節之平均溫度 (Bio08)、最乾燥季節之平均溫度 (Bio09)、最溫暖季節之平均溫度 (Bio10)、最寒冷季節之平均溫度 (Bio11)、年降水量 (Bio12)、最潮濕月份之降水量 (Bio13)、最乾燥月份之降水量 (Bio14)、降水之季節性 (Bio15)、最潮濕季節之降水量 (Bio16)、最乾燥季節之降水量 (Bio17)、最溫暖季節之降水量 (Bio18)與最寒冷季節之降水量 (Bio19)。

Figure 3.6. Bioclimatic variables of Taiwan's outlying islands in the 1970s, which included the annual mean temperature (Bio01), mean diurnal range (Bio02), isothermality (Bio03), temperature seasonality (Bio04), max temperature of warmest month (Bio05), min temperature of coldest month (Bio06), temperature annual range (Bio07), mean temperature of wettest quarter (Bio08), mean temperature of driest quarter (Bio09), mean temperature of warmest quarter (Bio10), mean temperature of coldest quarter (Bio11), annual precipitation (Bio12), precipitation of wettest month (Bio13), precipitation of driest month (Bio14), precipitation seasonality (Bio15), precipitation of wettest quarter (Bio16), precipitation of driest quarter (Bio17), precipitation of warmest quarter (Bio18) and precipitation of coldest quarter (Bio19).



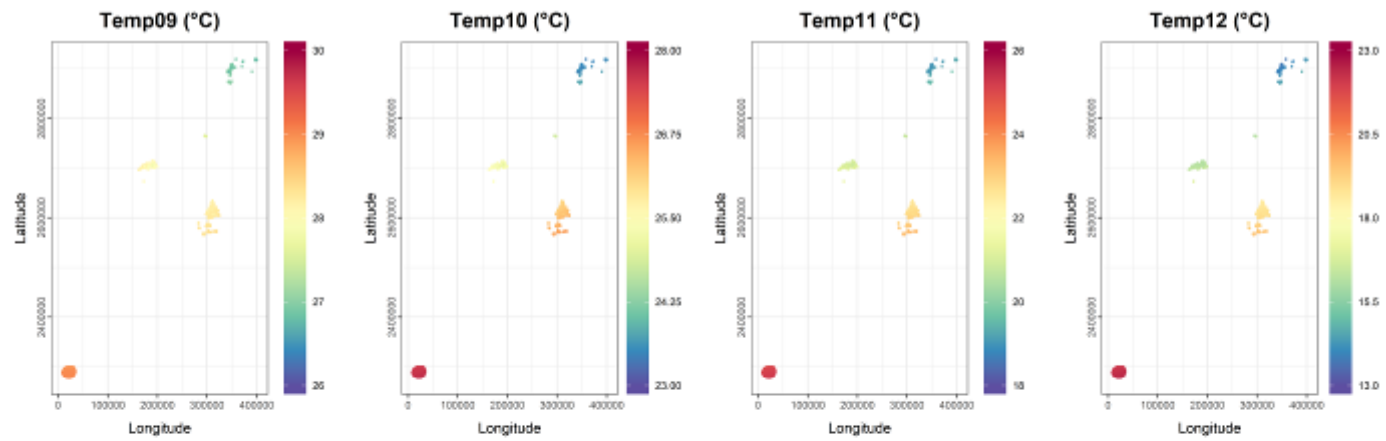
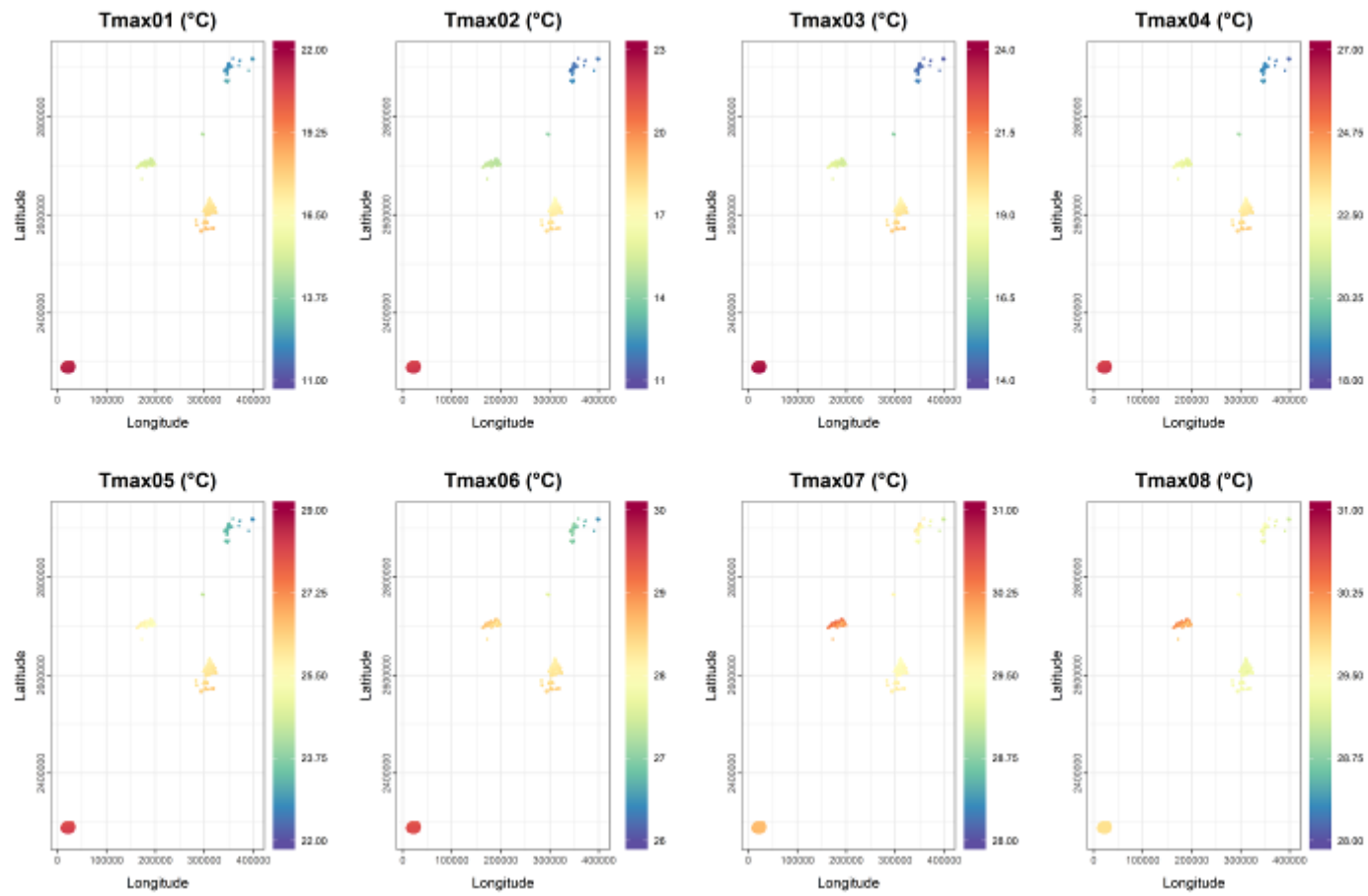


圖 4.1、1980 年代臺灣離島每月均溫圖，由左上至右下分別是 1 月至 12 月各月均溫。

Figure 4.1. The mean monthly temperature of Taiwan's outlying islands in the 1980s, and there were maps of monthly mean of daily mean temperature from January (Temp01) to December (Temp12).



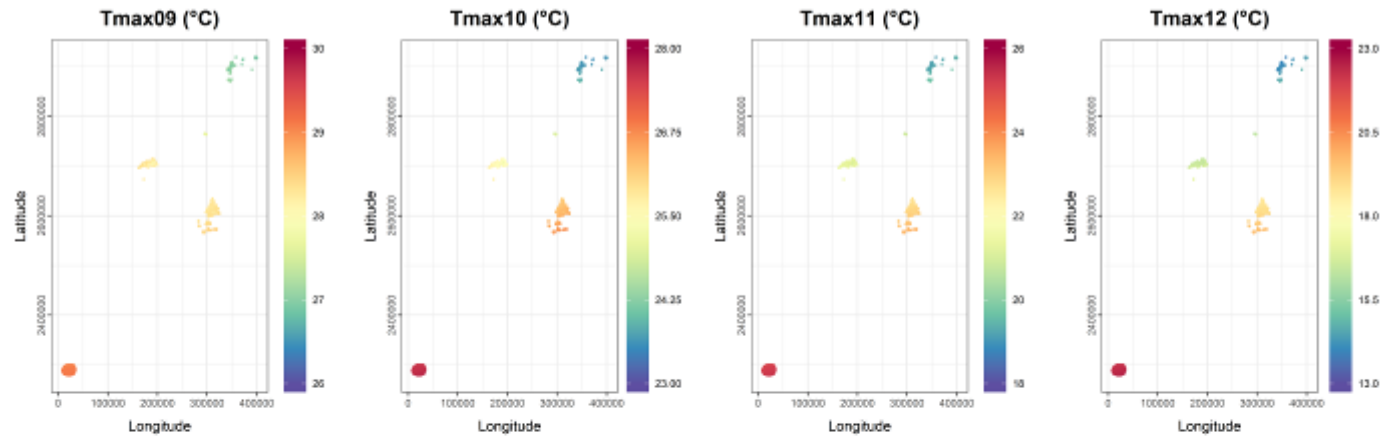
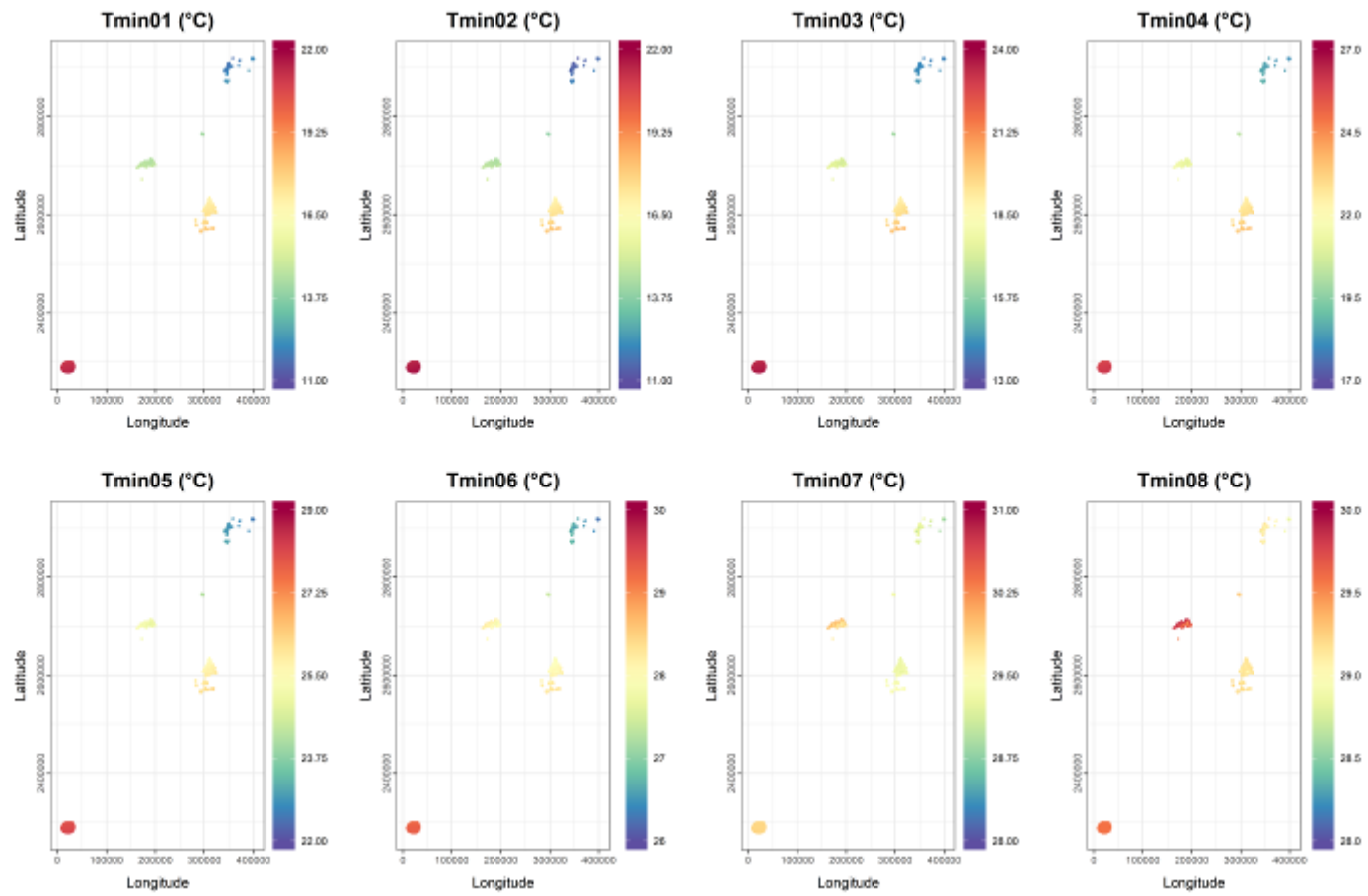


圖 4.2、1980 年代臺灣離島每月高溫圖，由左上至右下分別是 1 月至 12 月各月高溫。

Figure 4.2. The maximum monthly temperature of Taiwan's outlying islands in the 1980s, and there were maps of monthly mean of daily maximum temperature from January (Tmax01) to December (Tmax12).



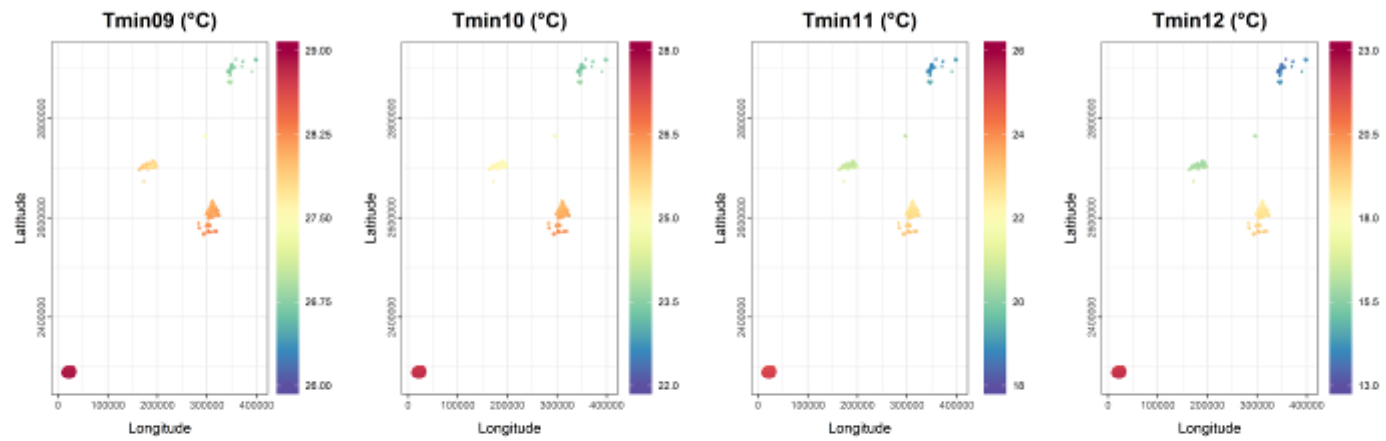
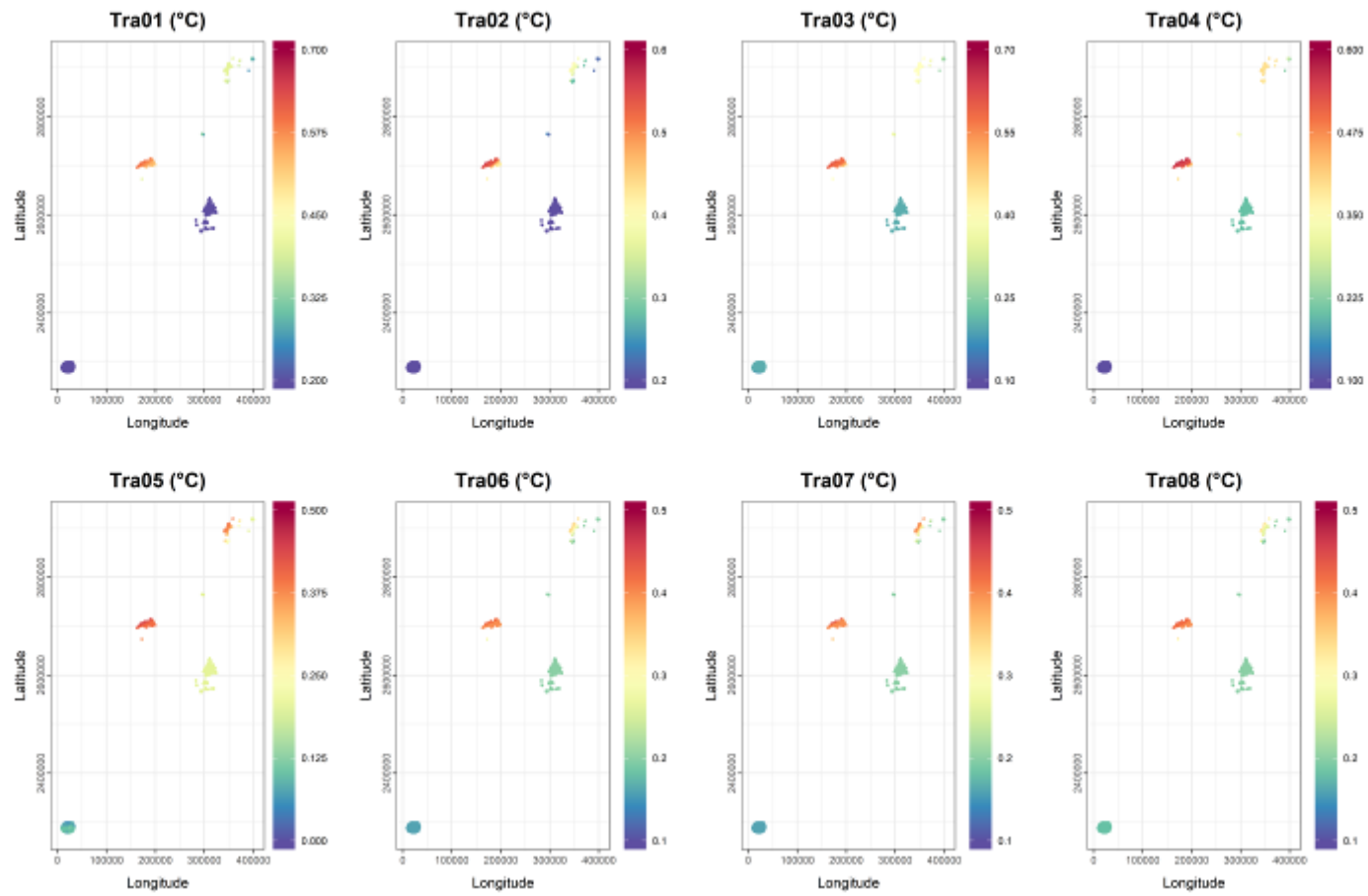


圖 4.3、1980 年代臺灣離島每月低溫圖，由左上至右下分別是 1 月至 12 月各月低溫。

Figure 4.3. The minimum monthly temperature of Taiwan's outlying islands in the 1980s, and there were maps of monthly mean of daily minimum temperature from January (Tmin01) to December (Tmin12).



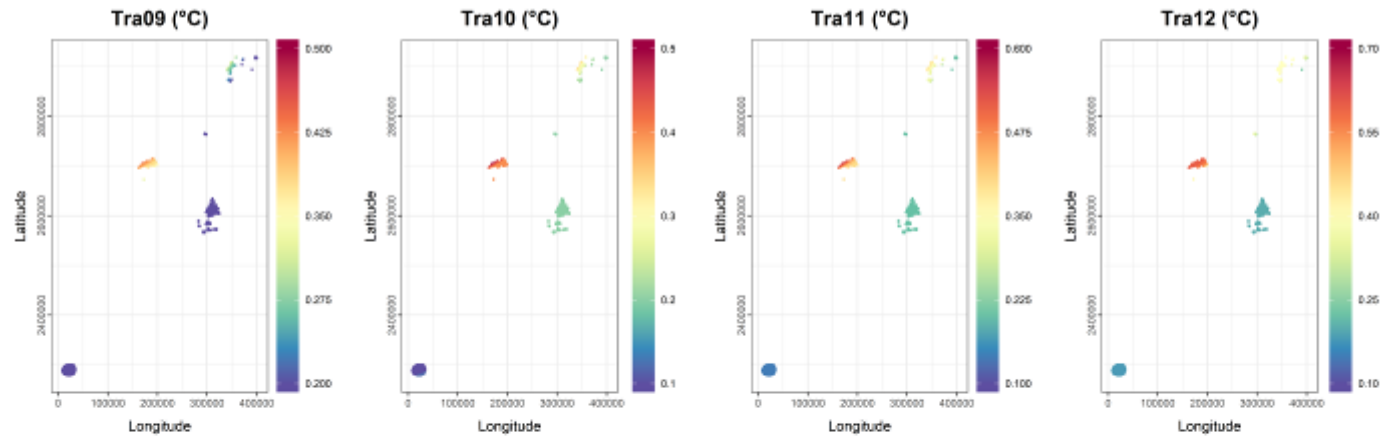
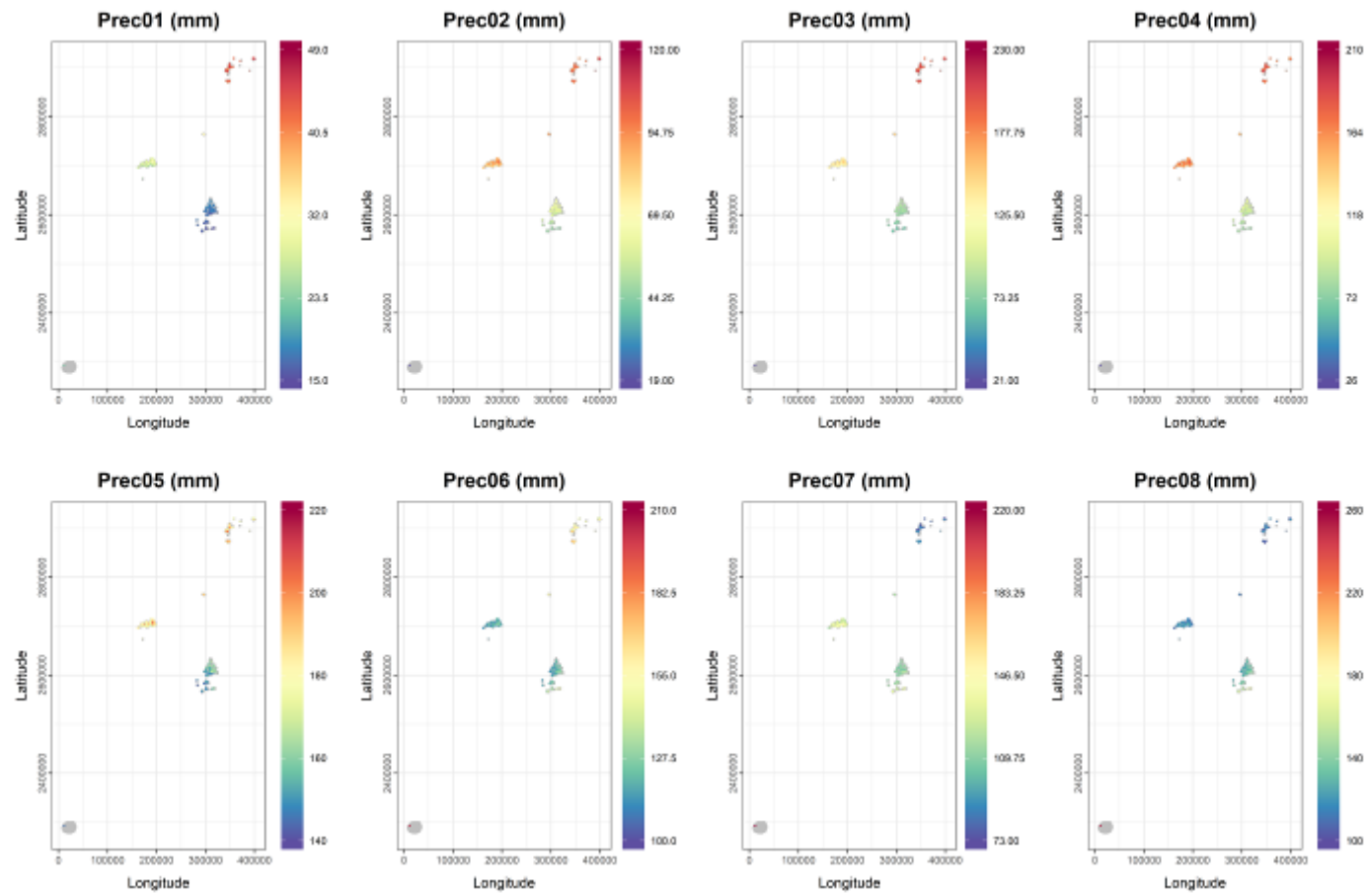


圖 4.4、1980 年代臺灣離島每月平均日溫差圖，由左上至右下分別是 1 月至 12 月各月每平均日溫差圖。

Figure 4.4. The range of maximum and minimum monthly temperature of Taiwan's outlying islands in the 1980s, and there were maps of the range of maximum and minimum monthly temperature from January (Tra01) to December (Tra12).



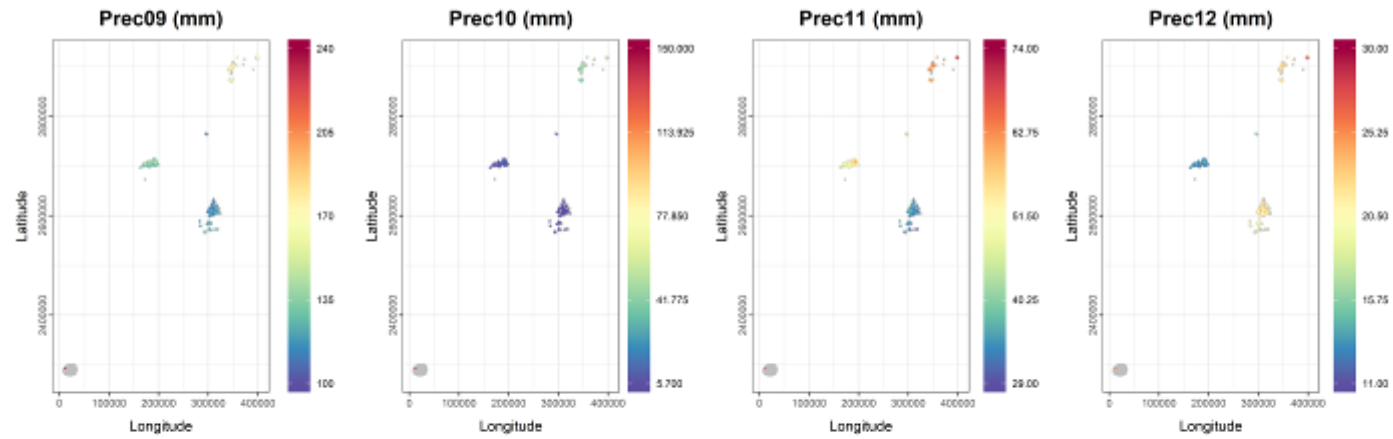
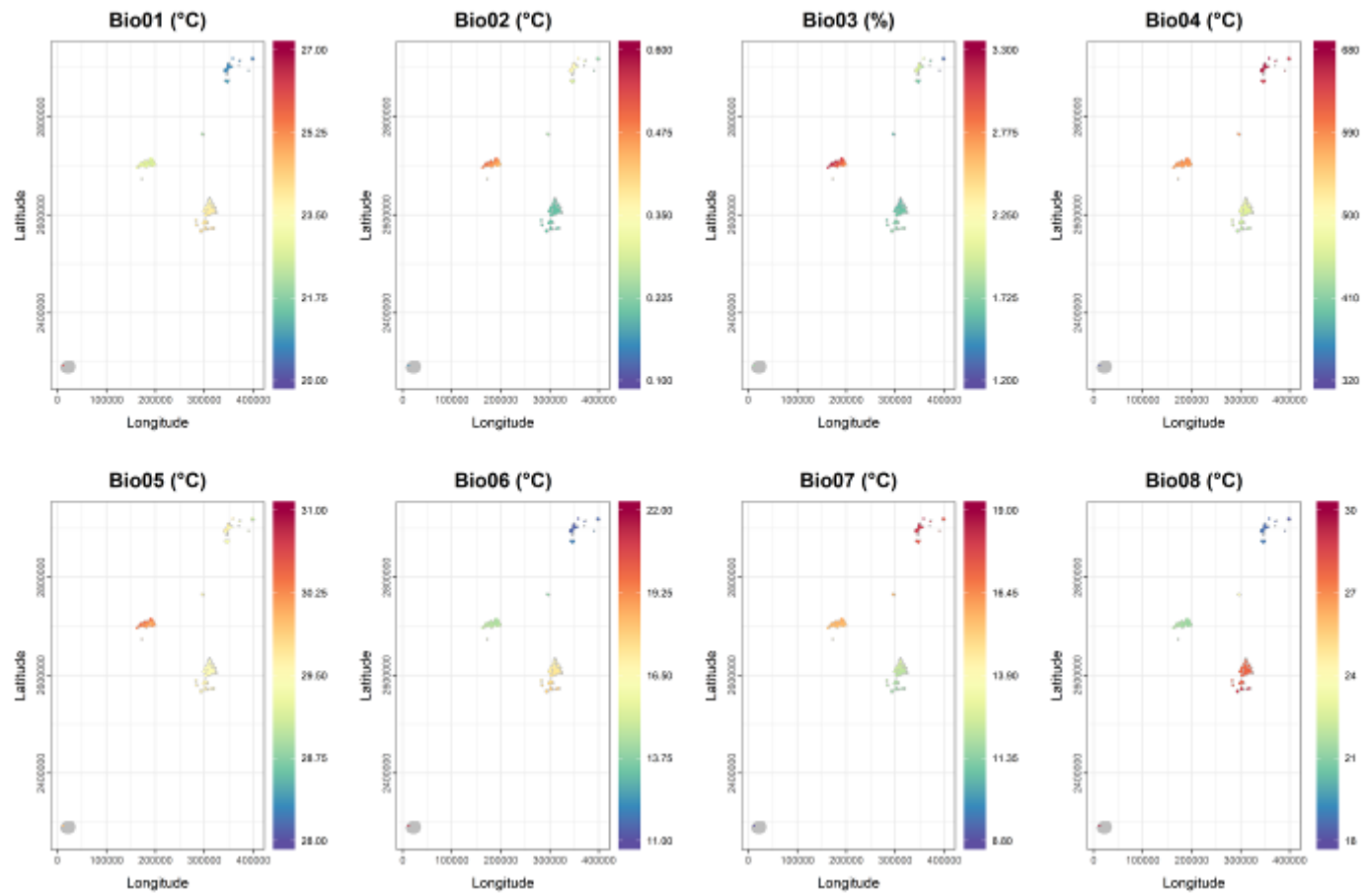
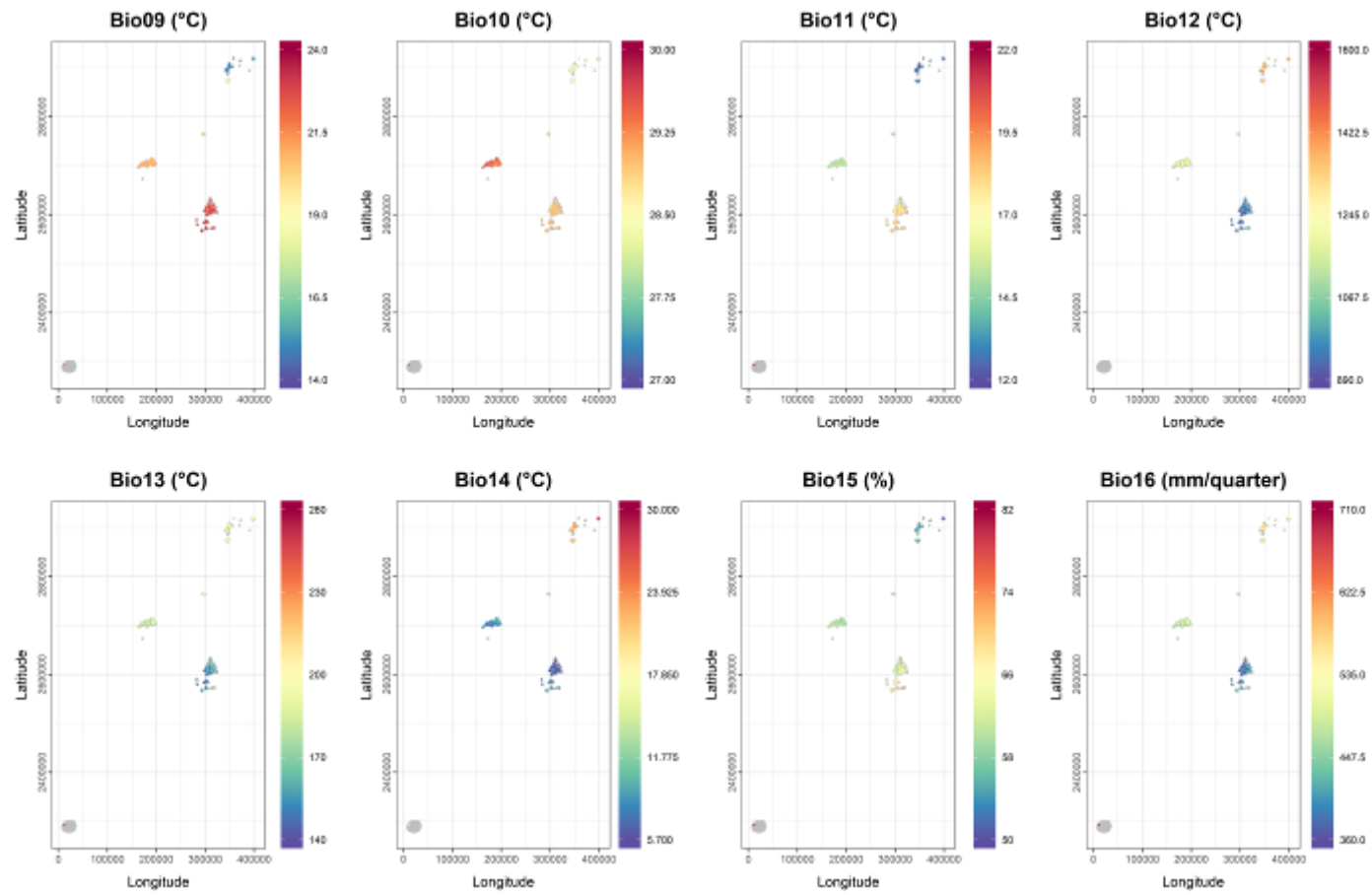


圖 4.5、1980 年代臺灣離島每月降水量圖，由左上至右下分別是 1 月至 12 月各月降水量圖。

Figure 4.5. The monthly precipitation sums of Taiwan's outlying islands in the 1980s, and there were maps of monthly precipitation sums from January (Pre01) to December (Pre12).





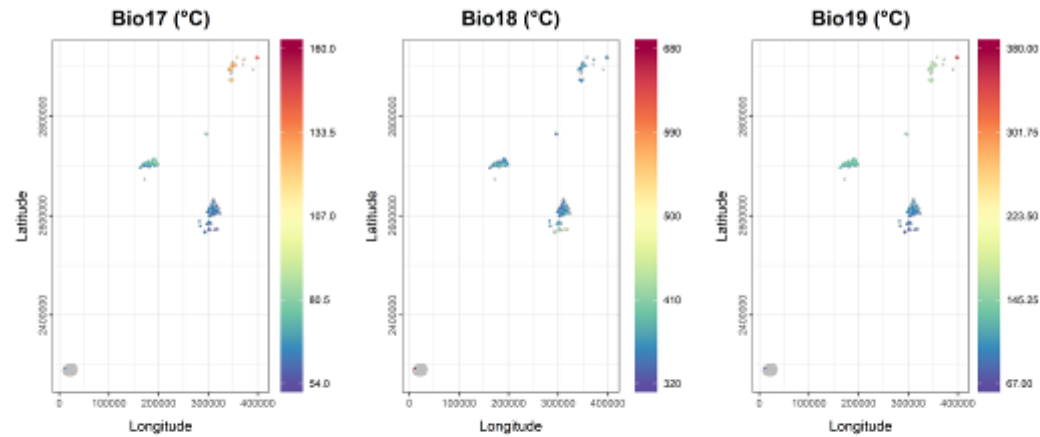
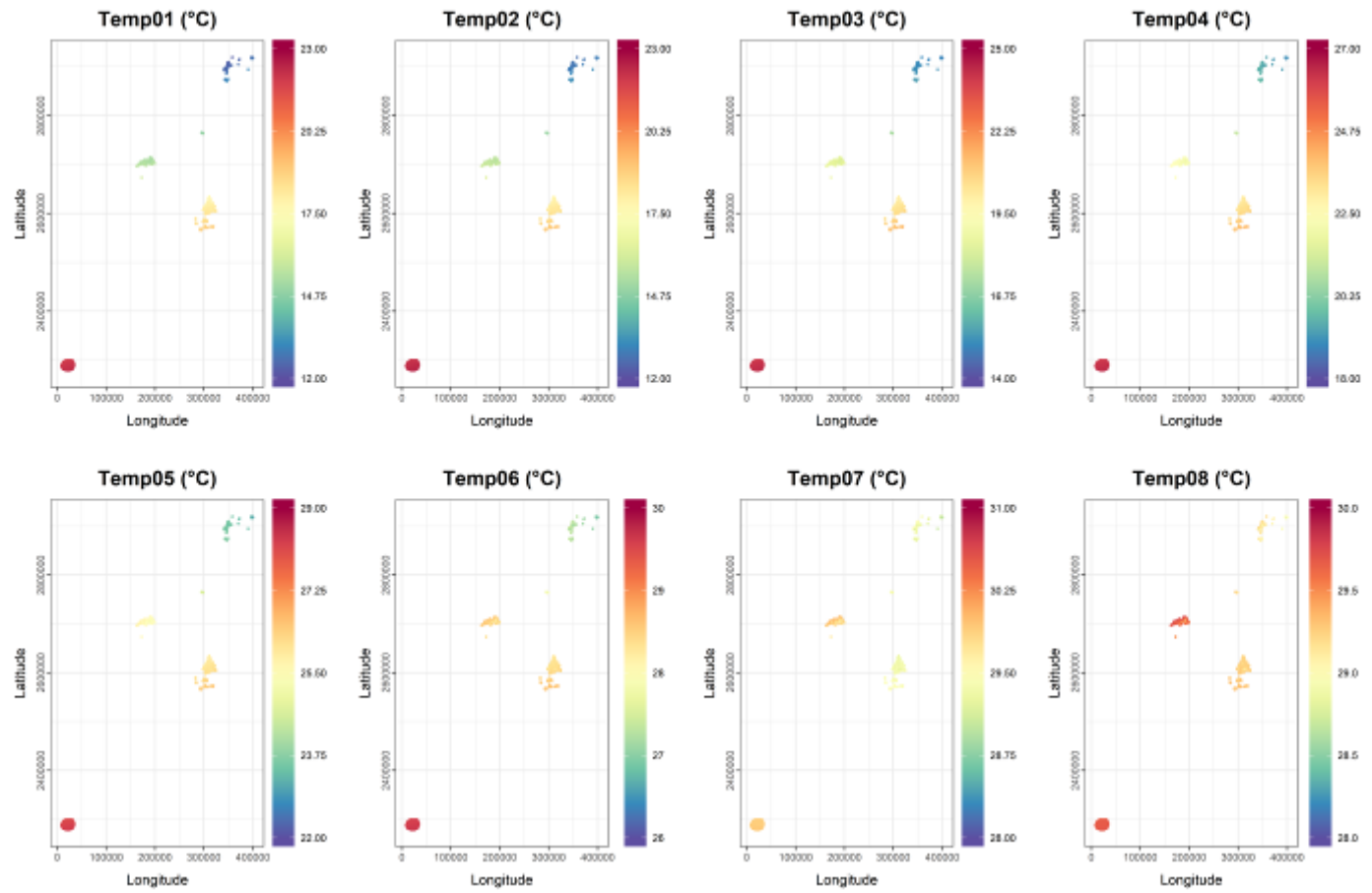


圖 4.6、1980 年代臺灣離島生物氣候變數圖，由左上至右下分別是年均溫 (Bio01)、平均日溫差 (Bio02)、溫度恆定性 (Bio03)、溫度季節性 (Bio04)、最暖月份之最高溫 (Bio05)、最冷月份之最低溫 (Bio06)、年溫差 (Bio07)、最潮濕季節之平均溫度 (Bio08)、最乾燥季節之平均溫度 (Bio09)、最溫暖季節之平均溫度 (Bio10)、最寒冷季節之平均溫度 (Bio11)、年降水量 (Bio12)、最潮濕月份之降水量 (Bio13)、最乾燥月份之降水量 (Bio14)、降水之季節性 (Bio15)、最潮濕季節之降水量 (Bio16)、最乾燥季節之降水量 (Bio17)、最溫暖季節之降水量 (Bio18)與最寒冷季節之降水量 (Bio19)。

Figure 4.6. Bioclimatic variables of Taiwan's outlying islands in the 1980s, which included the annual mean temperature (Bio01), mean diurnal range (Bio02), isothermality (Bio03), temperature seasonality (Bio04), max temperature of warmest month (Bio05), min temperature of coldest month (Bio06), temperature annual range (Bio07), mean temperature of wettest quarter (Bio08), mean temperature of driest quarter (Bio09), mean temperature of warmest quarter (Bio10), mean temperature of coldest quarter (Bio11), annual precipitation (Bio12), precipitation of wettest month (Bio13), precipitation of driest month (Bio14), precipitation seasonality (Bio15), precipitation of wettest quarter (Bio16), precipitation of driest quarter (Bio17), precipitation of warmest quarter (Bio18) and precipitation of coldest quarter (Bio19).



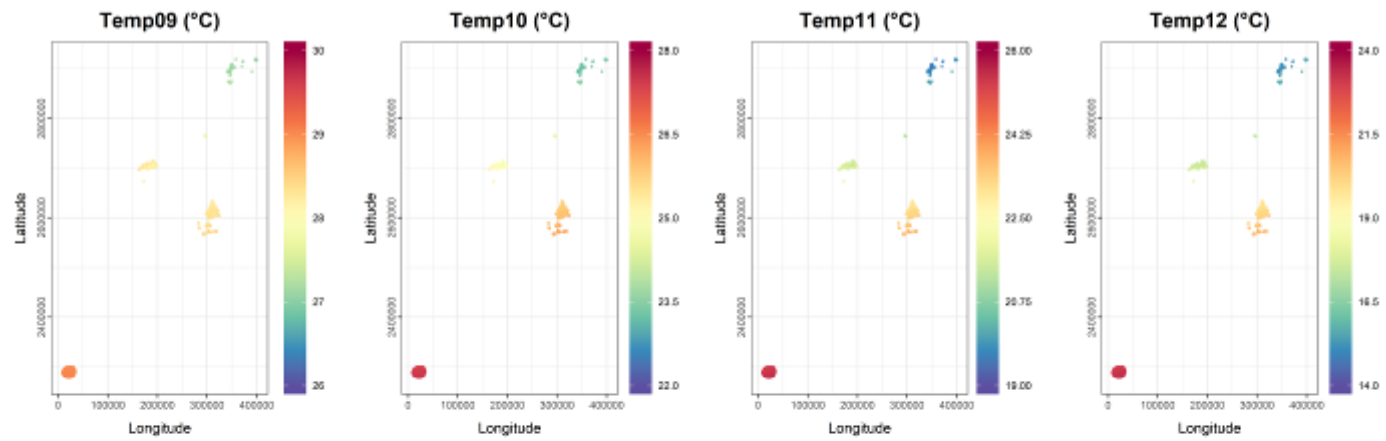
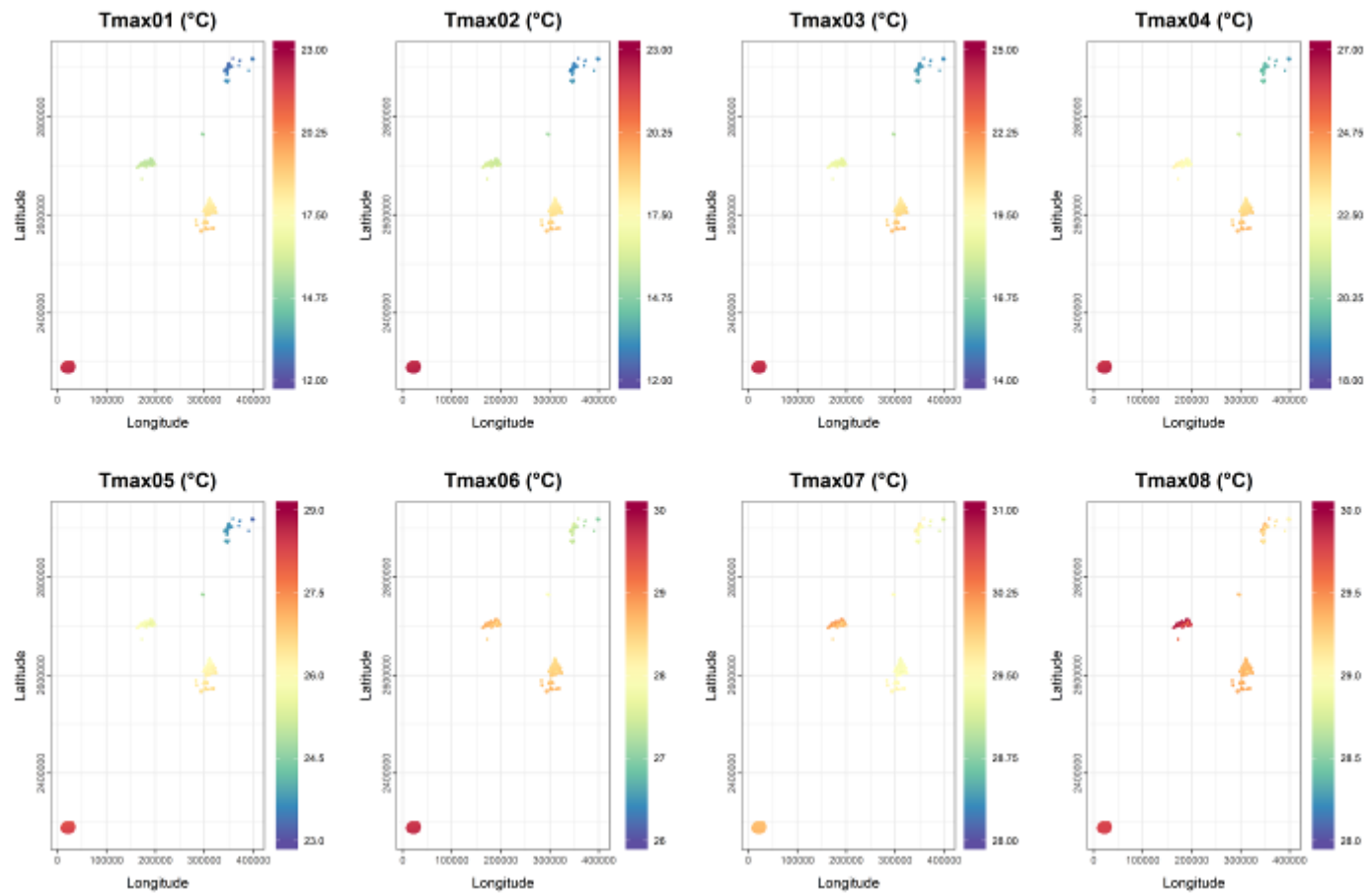


圖 5.1、1990 年代臺灣離島每月均溫圖，由左上至右下分別是 1 月至 12 月各月均溫。

Figure 5.1. The mean monthly temperature of Taiwan's outlying islands in the 1990s, and there were maps of monthly mean of daily mean temperature from January (Temp01) to December (Temp12).



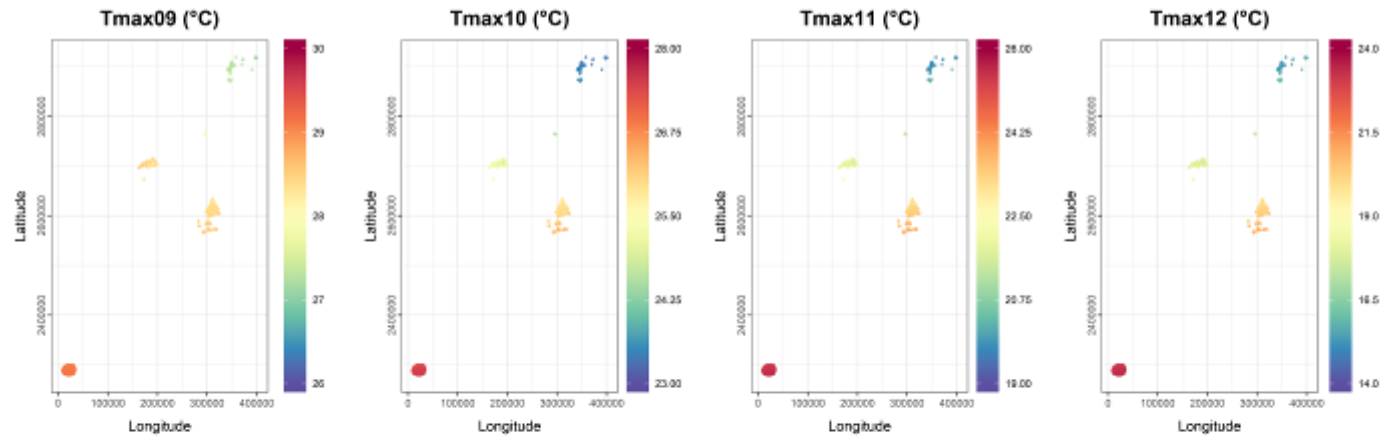
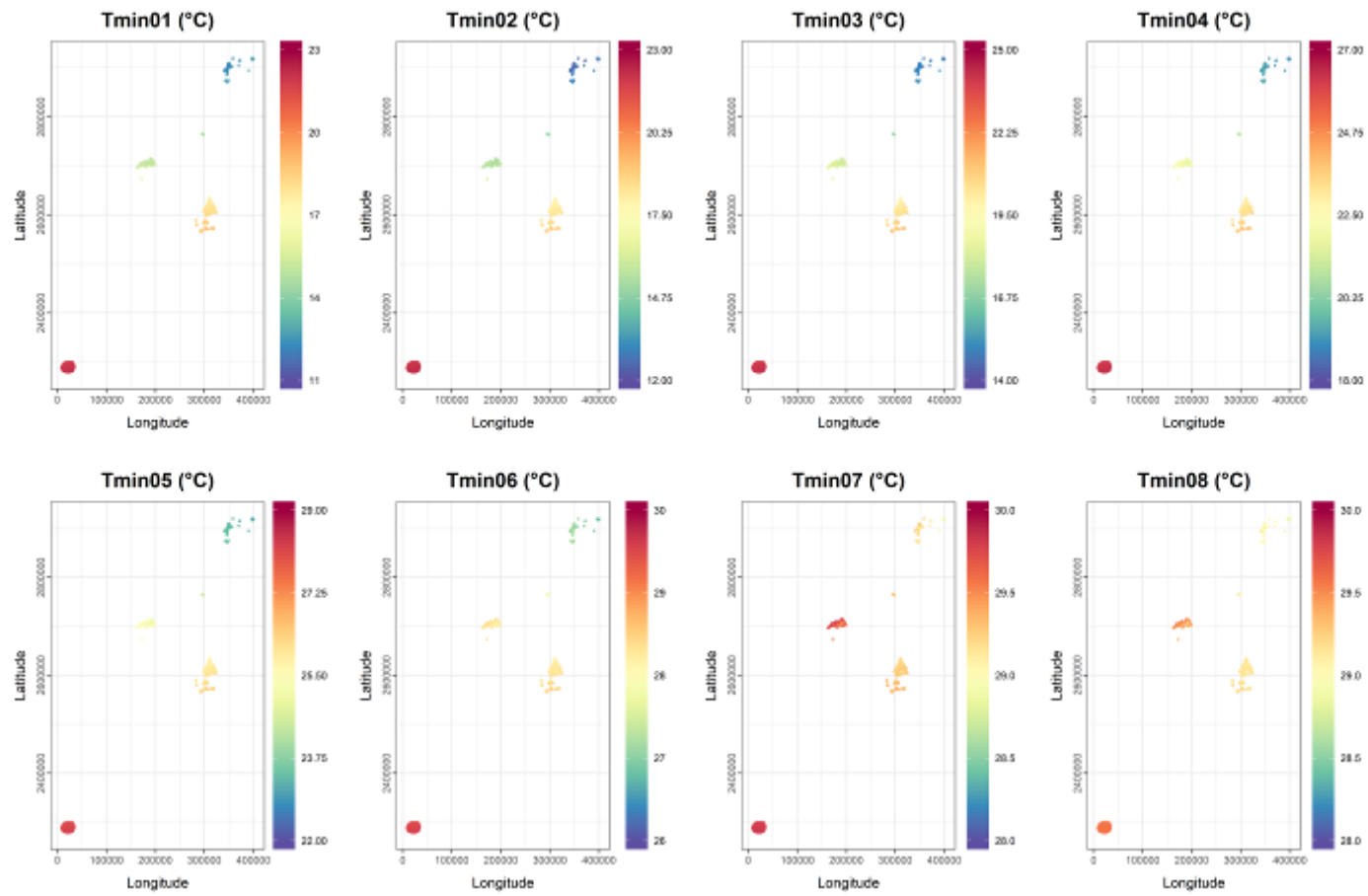


圖 5.2、1990 年代臺灣離島每月高溫圖，由左上至右下分別是 1 月至 12 月各月高溫。

Figure 5.2. The maximum monthly temperature of Taiwan's outlying islands in the 1990s, and there were maps of monthly mean of daily maximum temperature from January (Tmax01) to December (Tmax12).



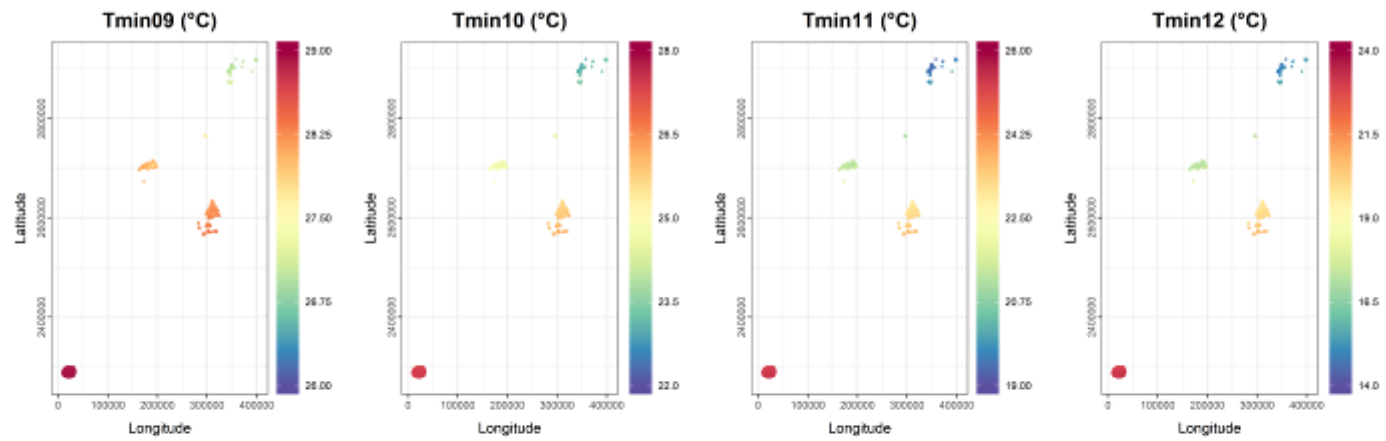
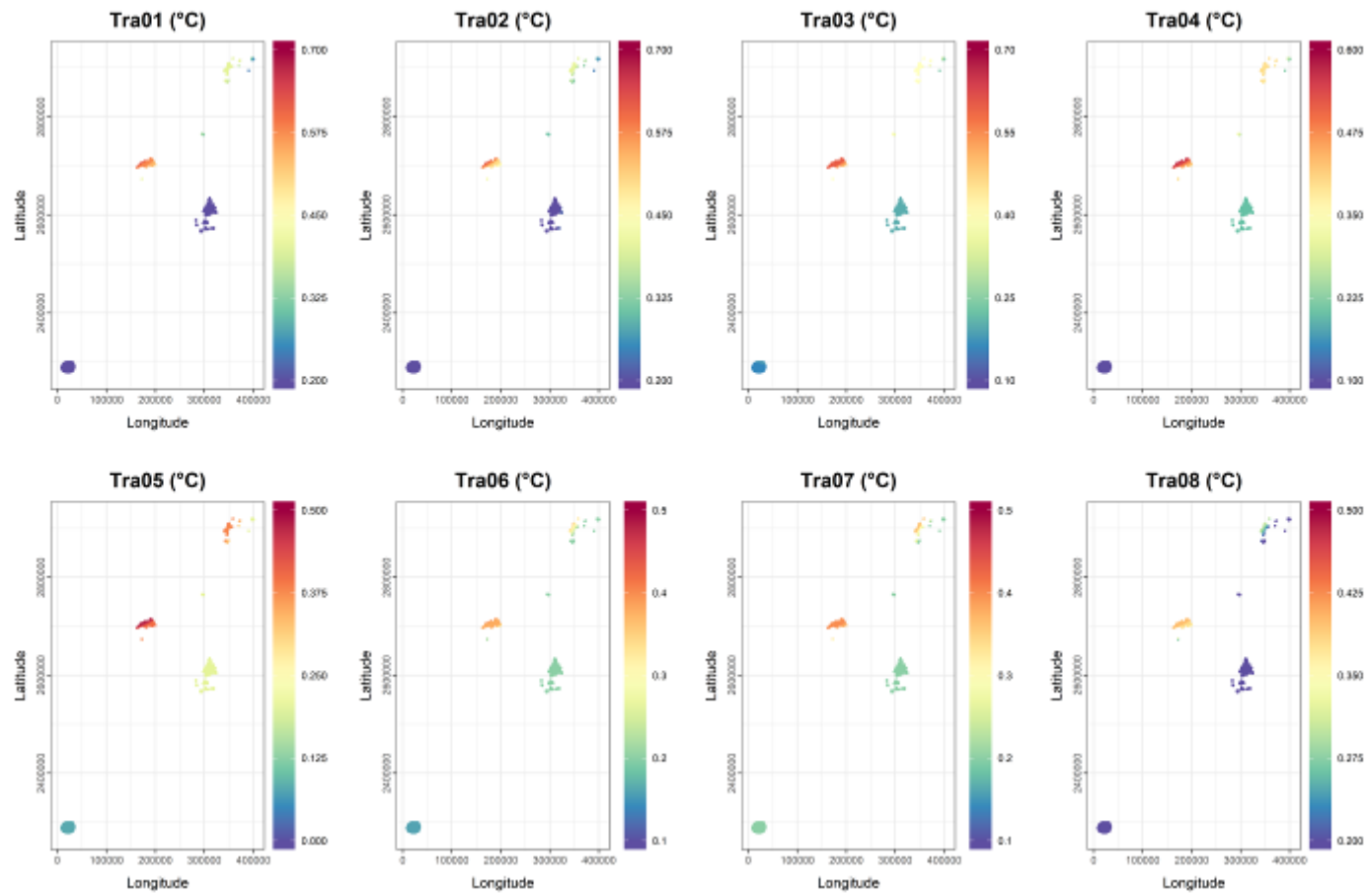


圖 5.3、1990 年代臺灣離島每月低溫圖，由左上至右下分別是 1 月至 12 月各月低溫。

Figure 5.3. The minimum monthly temperature of Taiwan's outlying islands in the 1990s, and there were maps of monthly mean of daily minimum temperature from January (Tmin01) to December (Tmin12).



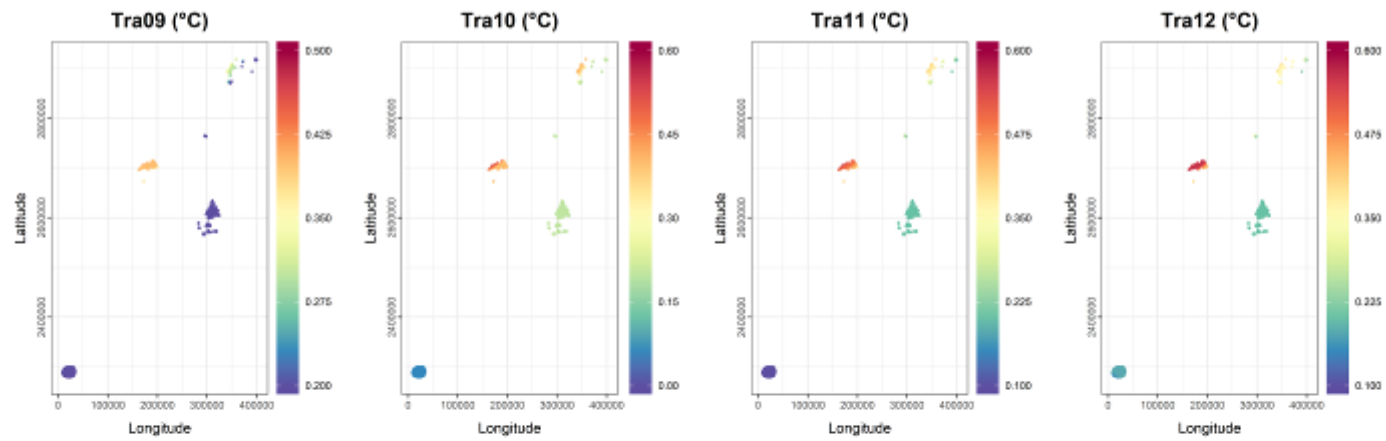
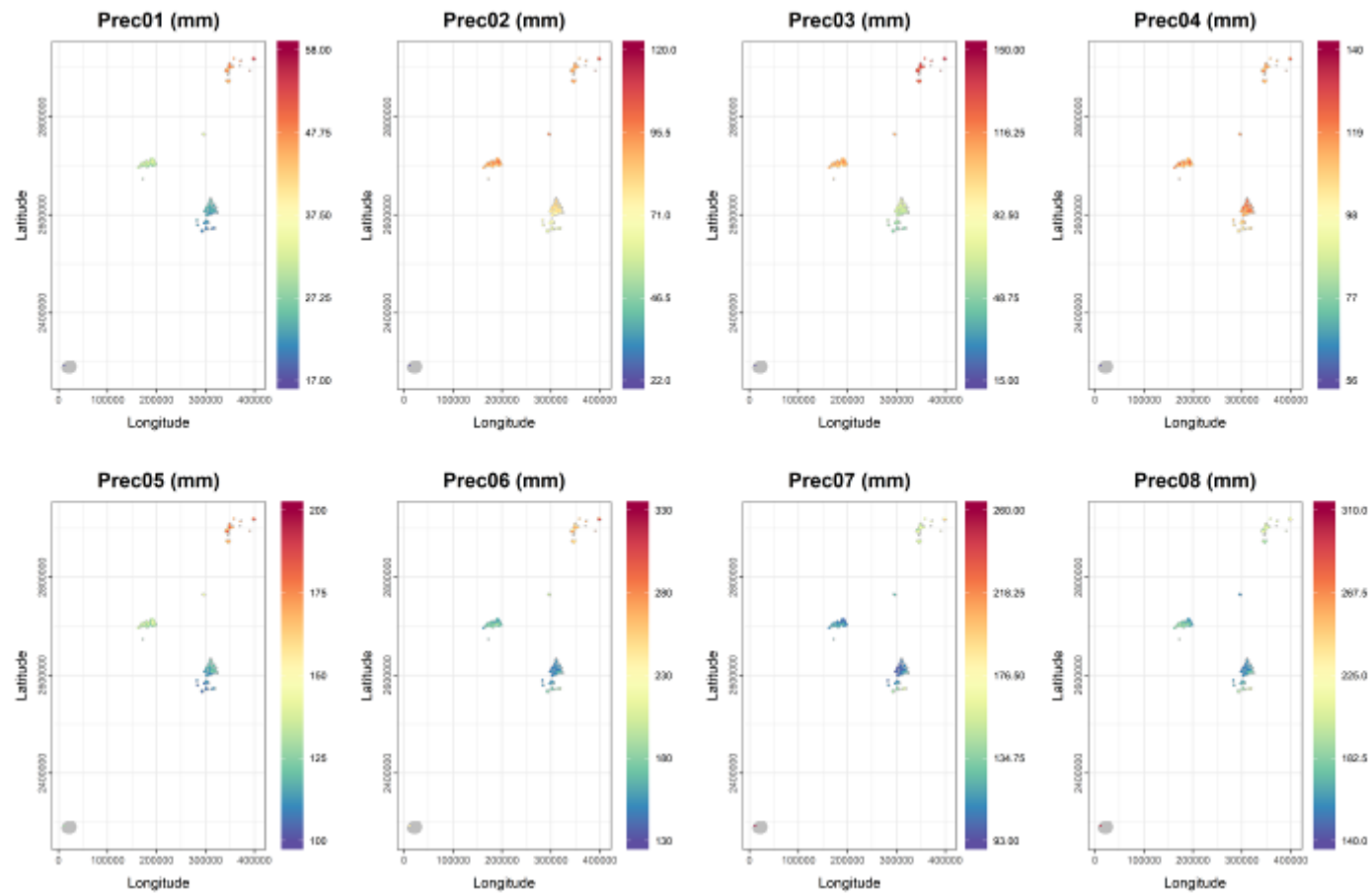


圖 5.4、1990 年代臺灣離島每月平均日溫差圖，由左上至右下分別是 1 月至 12 月各月每平均日溫差圖。

Figure 5.4. The range of maximum and minimum monthly temperature of Taiwan's outlying islands in the 1990s, and there were maps of the range of maximum and minimum monthly temperature from January (Tra01) to December (Tra12).



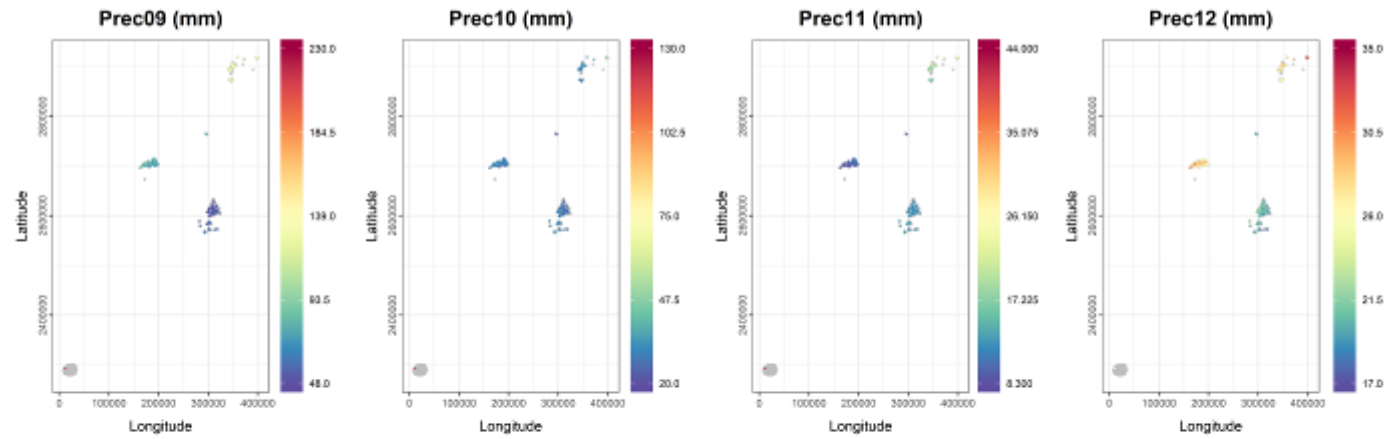
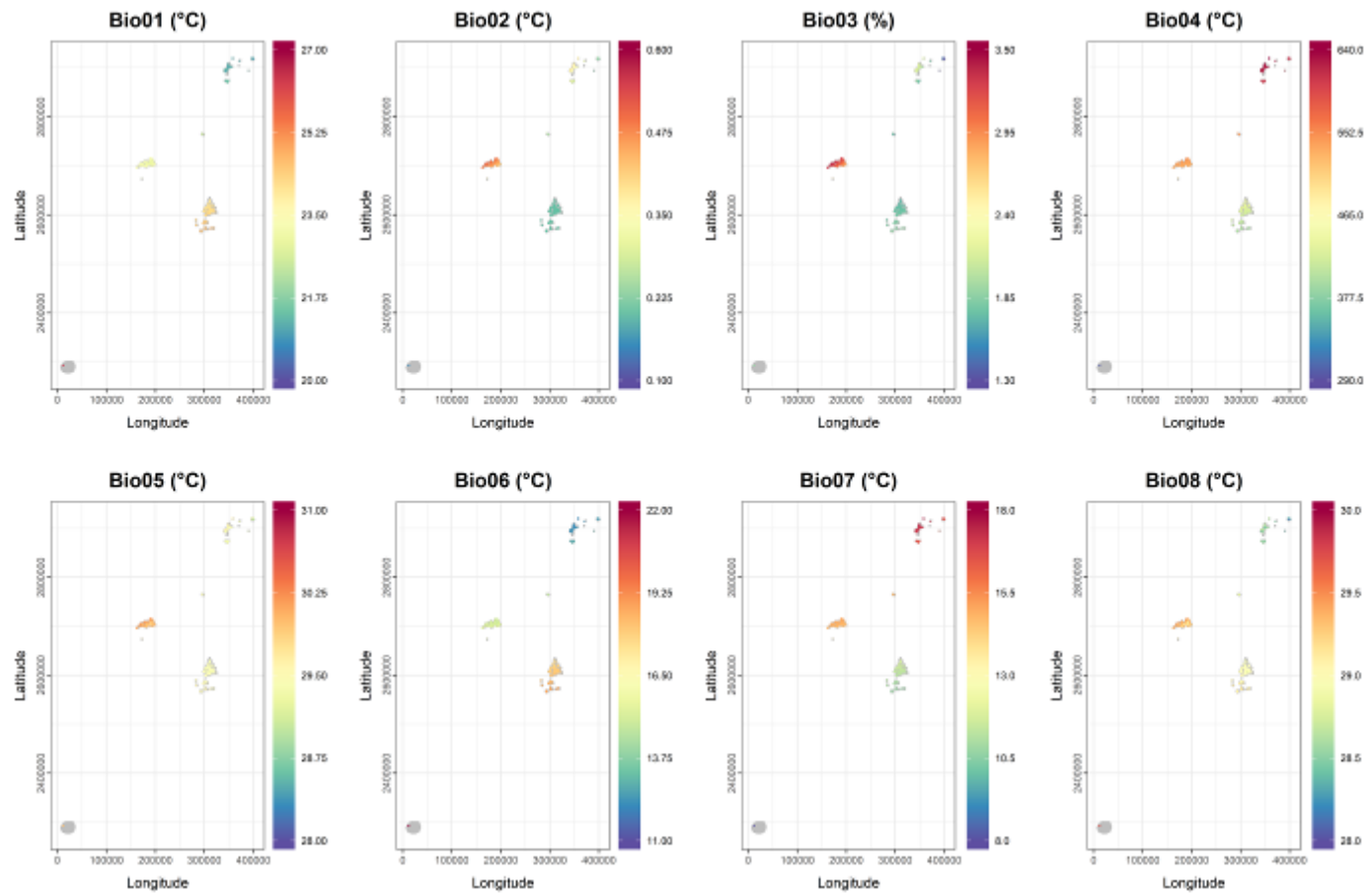
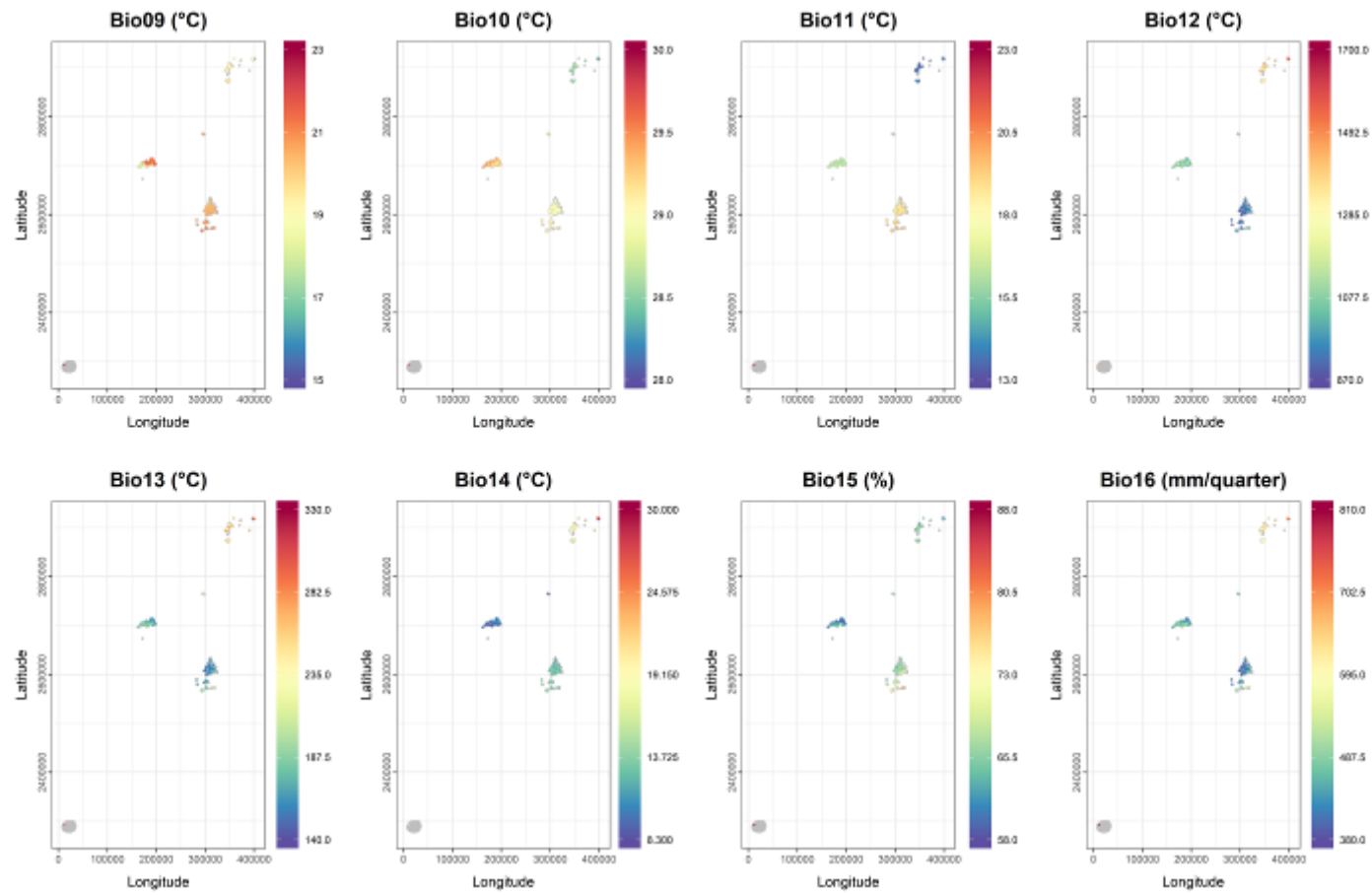


圖 5.5、1990 年代臺灣離島每月降水量圖，由左上至右下分別是 1 月至 12 月各月降水量圖。

Figure 5.5. The monthly precipitation sums of Taiwan's outlying islands in the 1990s, and there were maps of monthly precipitation sums from January (Pre01) to December (Pre12).





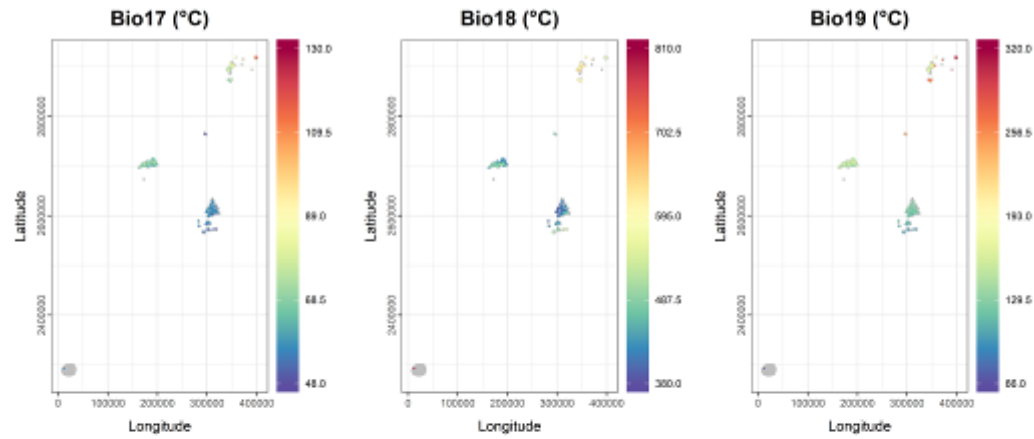
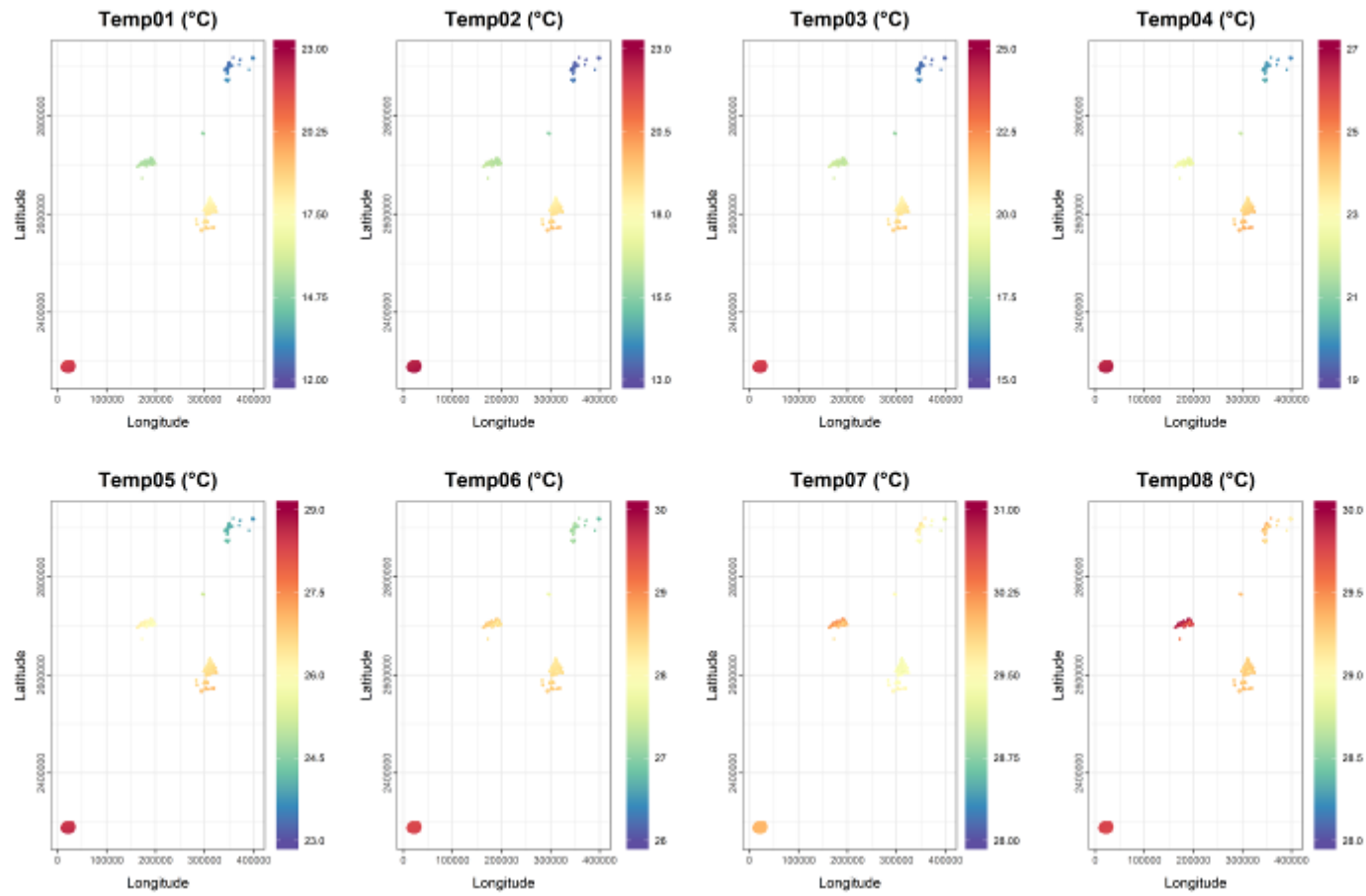


圖 5.6、1990 年代臺灣離島生物氣候變數圖，由左上至右下分別是年均溫 (Bio01)、平均日溫差 (Bio02)、溫度恆定性 (Bio03)、溫度季節性 (Bio04)、最暖月份之最高溫 (Bio05)、最冷月份之最低溫 (Bio06)、年溫差 (Bio07)、最潮濕季節之平均溫度 (Bio08)、最乾燥季節之平均溫度 (Bio09)、最溫暖季節之平均溫度 (Bio10)、最寒冷季節之平均溫度 (Bio11)、年降水量 (Bio12)、最潮濕月份之降水量 (Bio13)、最乾燥月份之降水量 (Bio14)、降水之季節性 (Bio15)、最潮濕季節之降水量 (Bio16)、最乾燥季節之降水量 (Bio17)、最溫暖季節之降水量 (Bio18)與最寒冷季節之降水量 (Bio19)。

Figure 5.6. Bioclimatic variables of Taiwan's outlying islands in the 1990s, which included the annual mean temperature (Bio01), mean diurnal range (Bio02), isothermality (Bio03), temperature seasonality (Bio04), max temperature of warmest month (Bio05), min temperature of coldest month (Bio06), temperature annual range (Bio07), mean temperature of wettest quarter (Bio08), mean temperature of driest quarter (Bio09), mean temperature of warmest quarter (Bio10), mean temperature of coldest quarter (Bio11), annual precipitation (Bio12), precipitation of wettest month (Bio13), precipitation of driest month (Bio14), precipitation seasonality (Bio15), precipitation of wettest quarter (Bio16), precipitation of driest quarter (Bio17), precipitation of warmest quarter (Bio18) and precipitation of coldest quarter (Bio19).



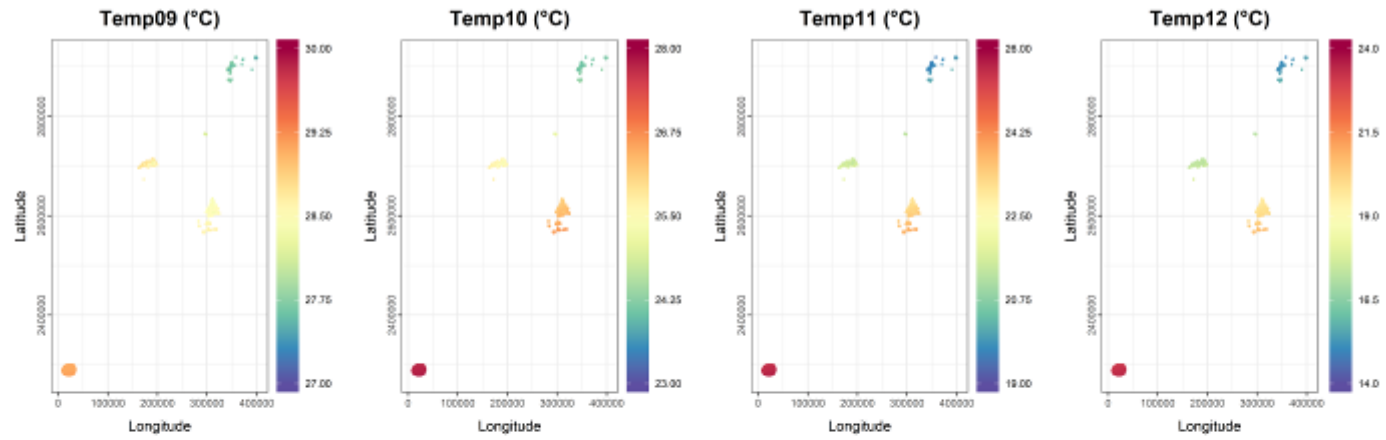
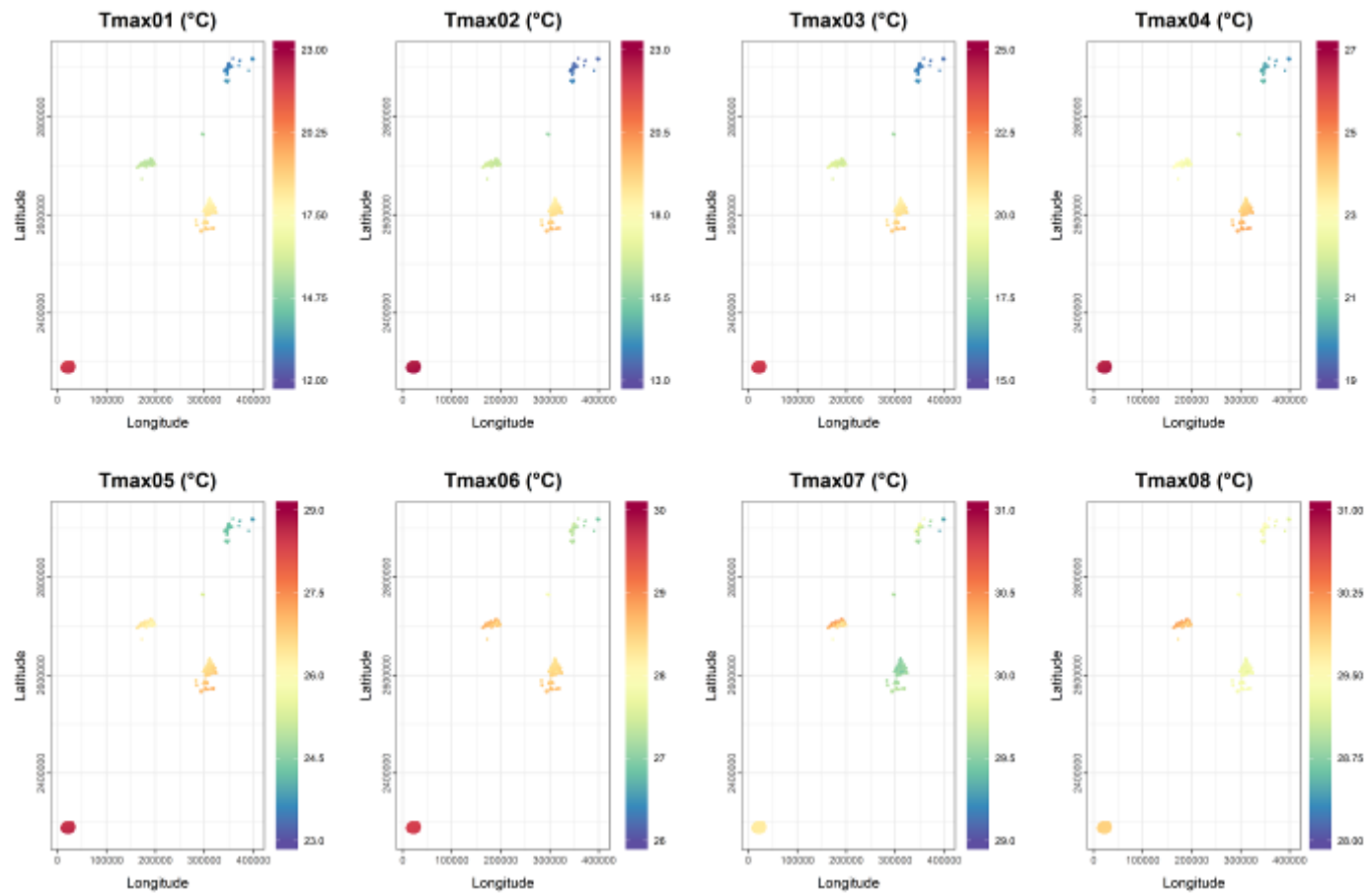


圖 6.1、2000 年代臺灣離島每月均溫圖，由左上至右下分別是 1 月至 12 月各月均溫。

Figure 6.1. The mean monthly temperature of Taiwan's outlying islands in the 2000s, and there were maps of monthly mean of daily mean temperature from January (Temp01) to December (Temp12).



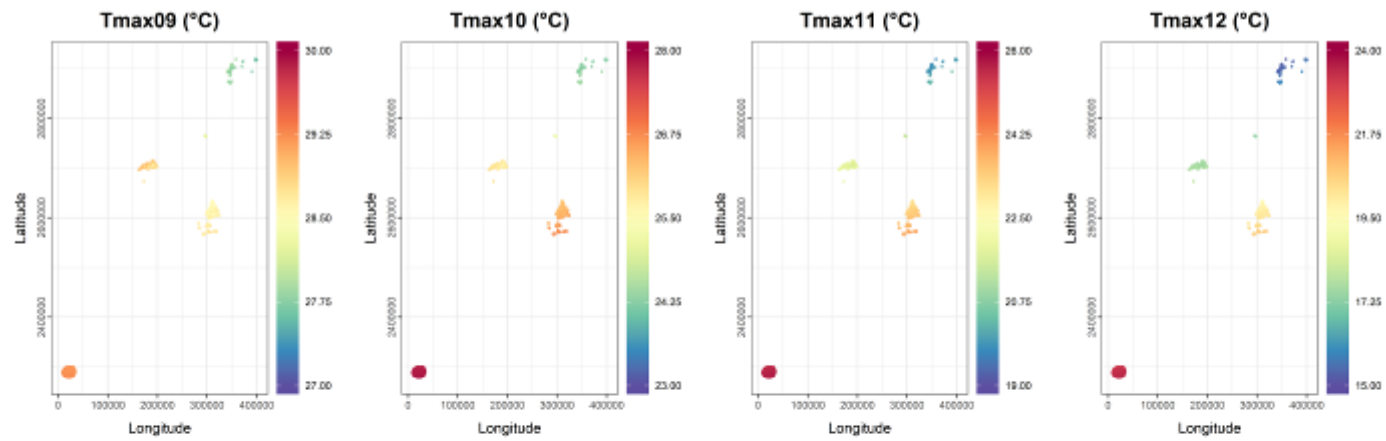
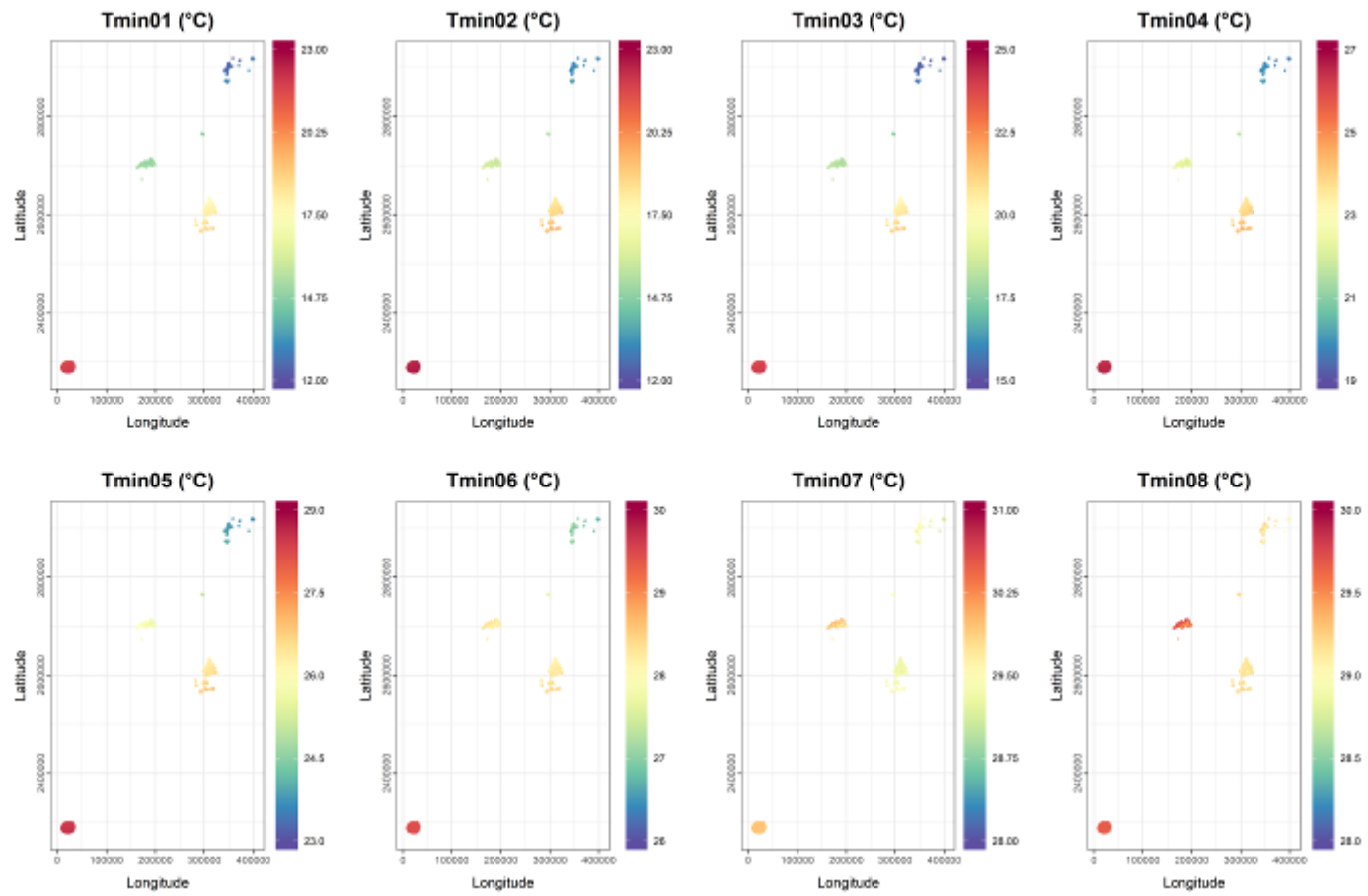


圖 6.2、2000 年代臺灣離島每月高溫圖，由左上至右下分別是 1 月至 12 月各月高溫。

Figure 6.2. The maximum monthly temperature of Taiwan's outlying islands in the 2000s, and there were maps of monthly mean of daily maximum temperature from January (Tmax01) to December (Tmax12).



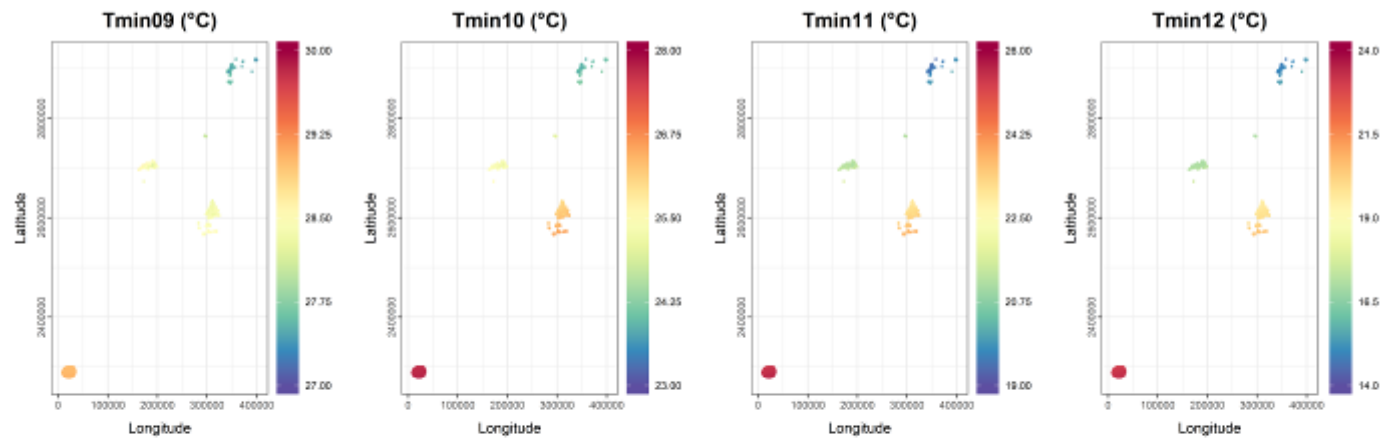
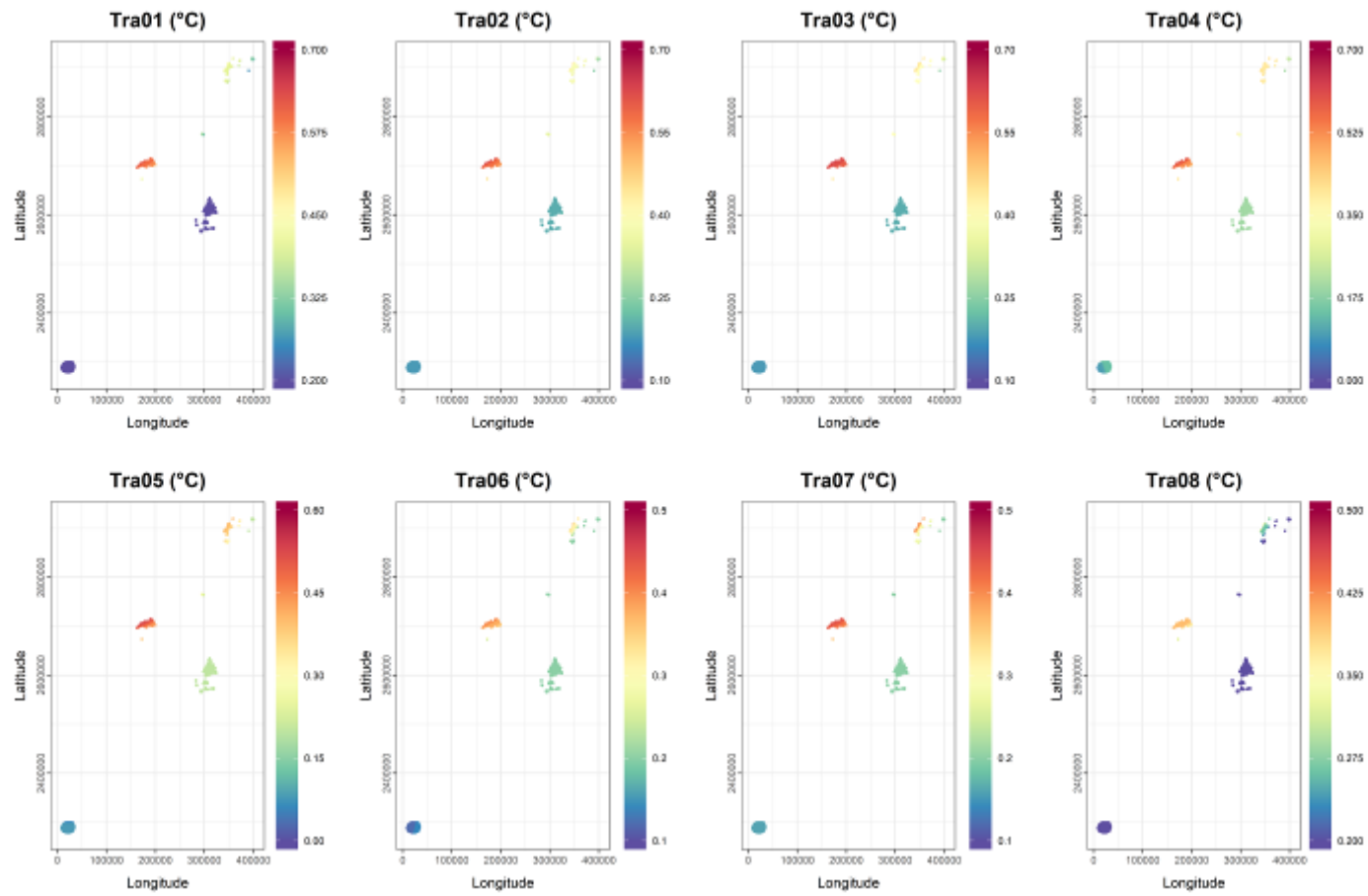


圖 6.3、2000 年代臺灣離島每月低溫圖，由左上至右下分別是 1 月至 12 月各月低溫。

Figure 6.3. The minimum monthly temperature of Taiwan's outlying islands in the 2000s, and there were maps of monthly mean of daily minimum temperature from January (Tmin01) to December (Tmin12).



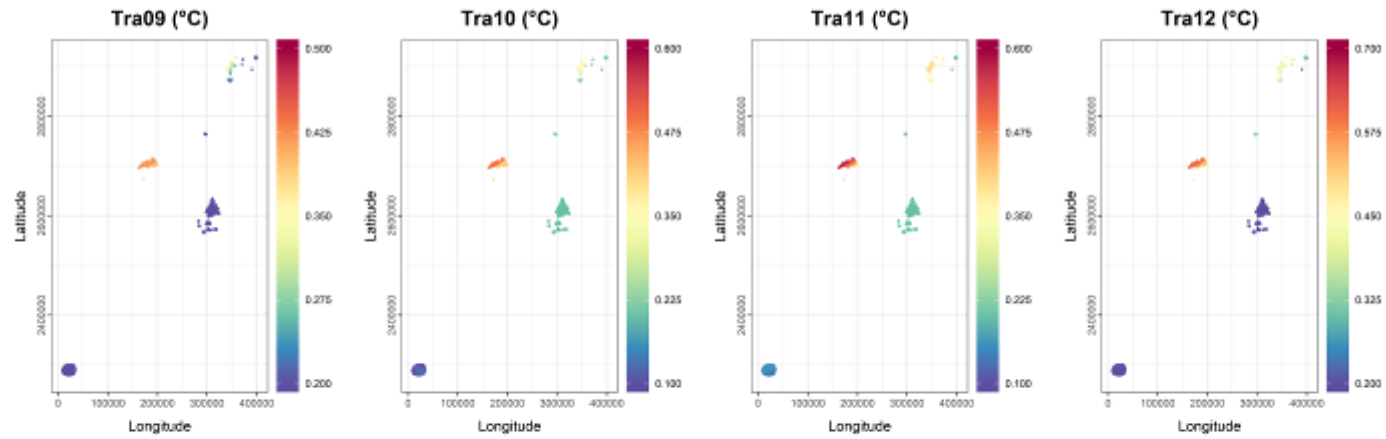
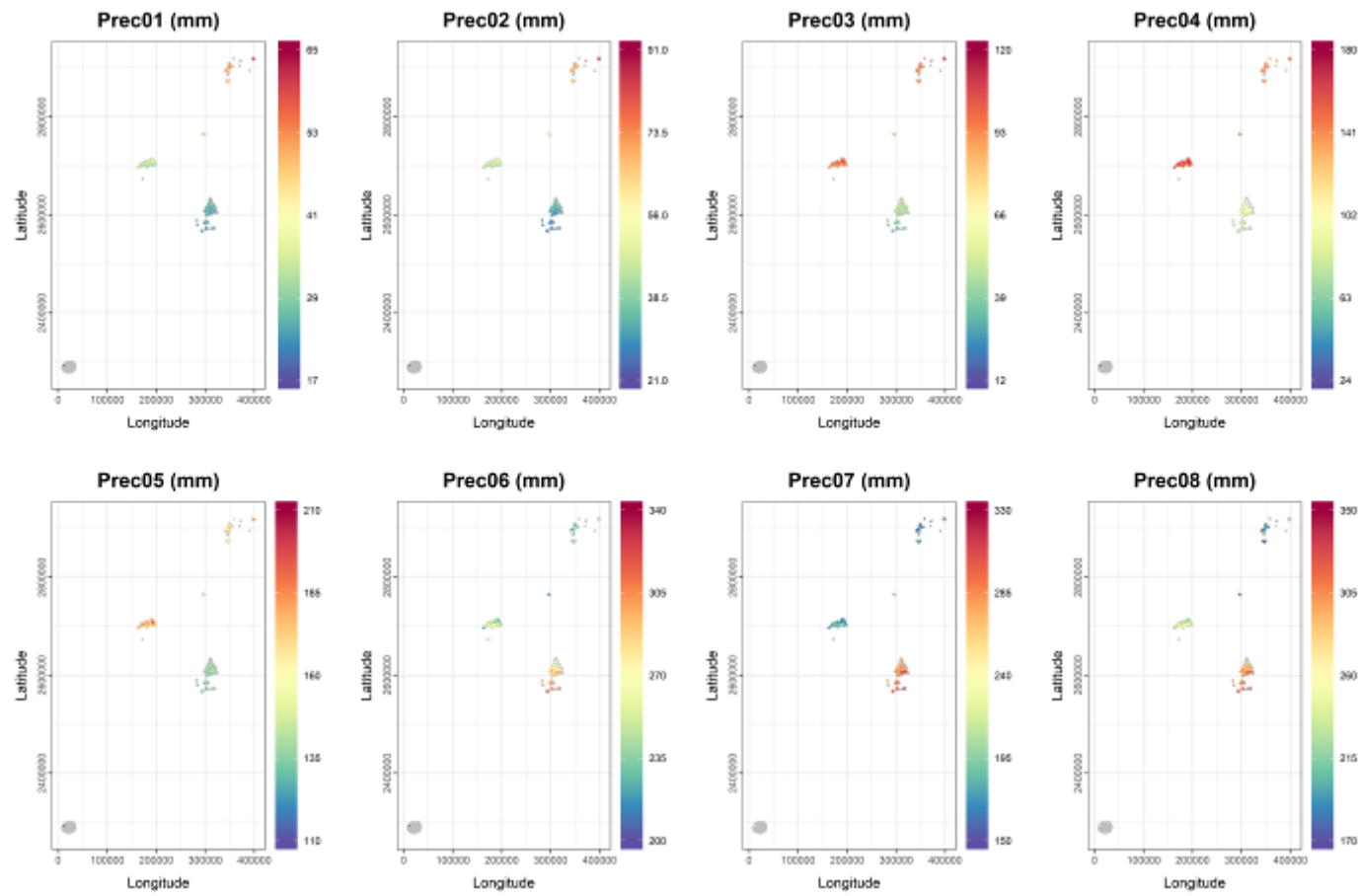


圖 6.4、2000 年代臺灣離島每月平均日溫差圖，由左上至右下分別是 1 月至 12 月各月每平均日溫差圖。

Figure 6.4. The range of maximum and minimum monthly temperature of Taiwan's outlying islands in the 2000s, and there were maps of the range of maximum and minimum monthly temperature from January (Tra01) to December (Tra12).



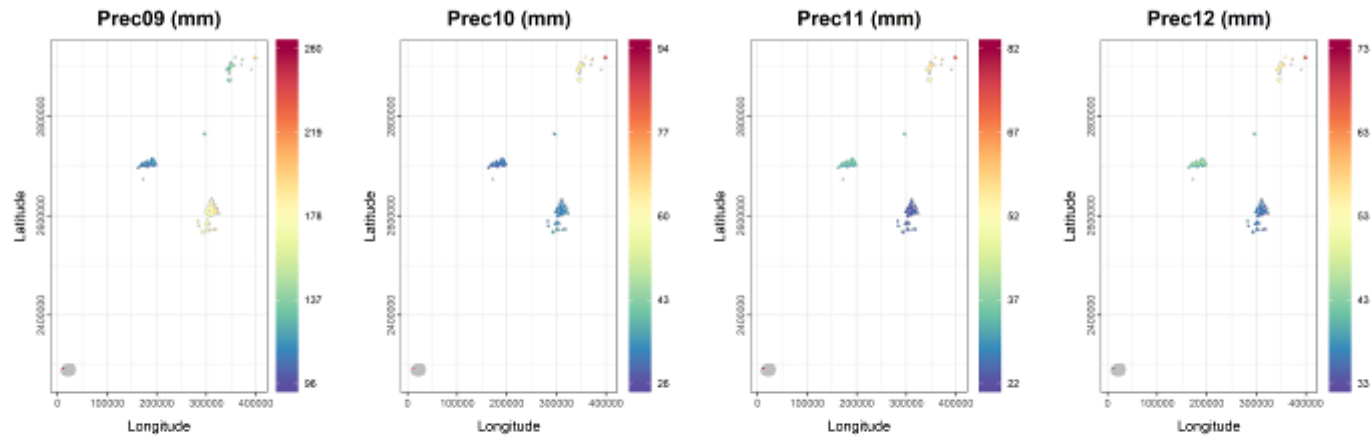
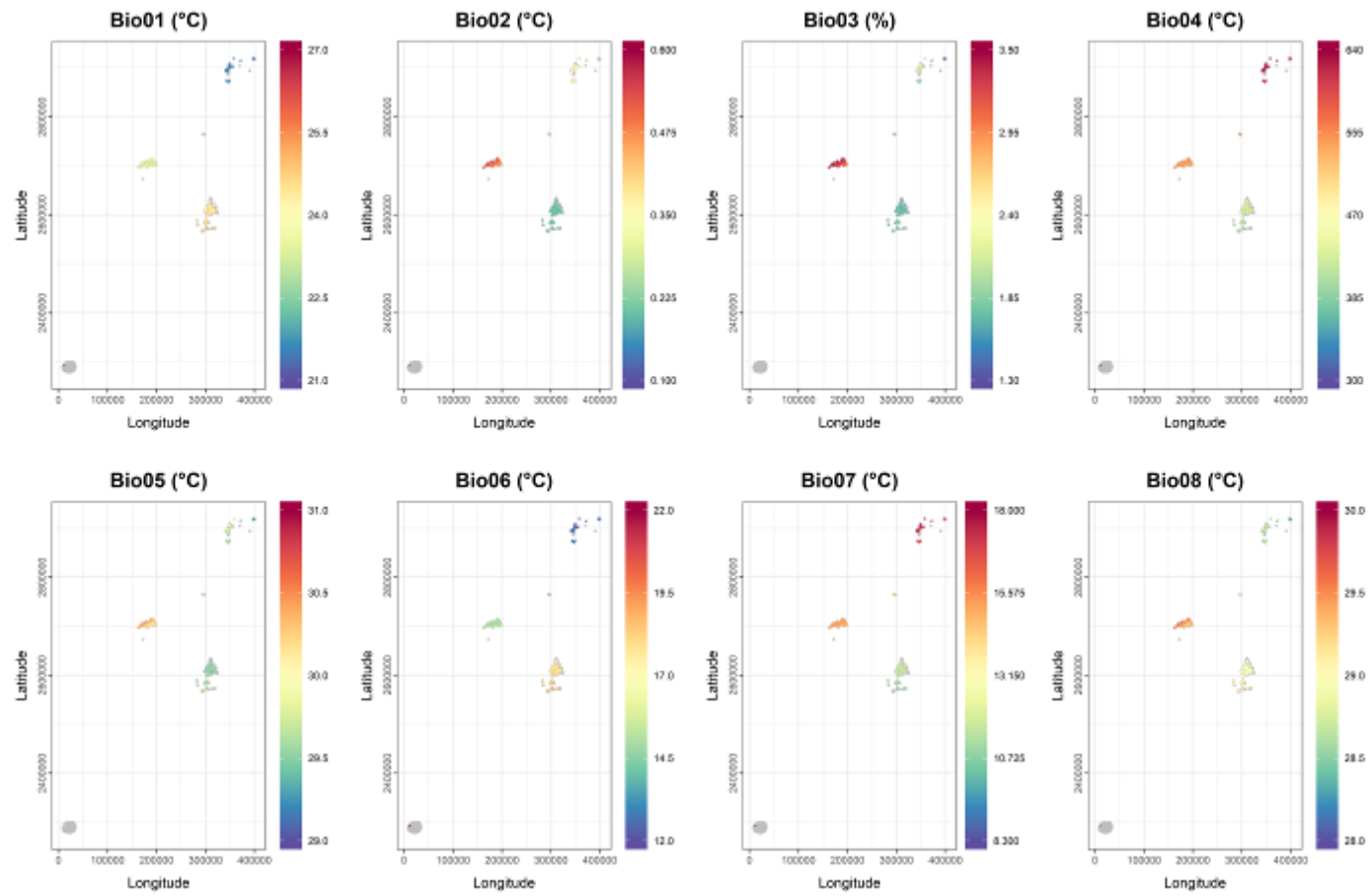
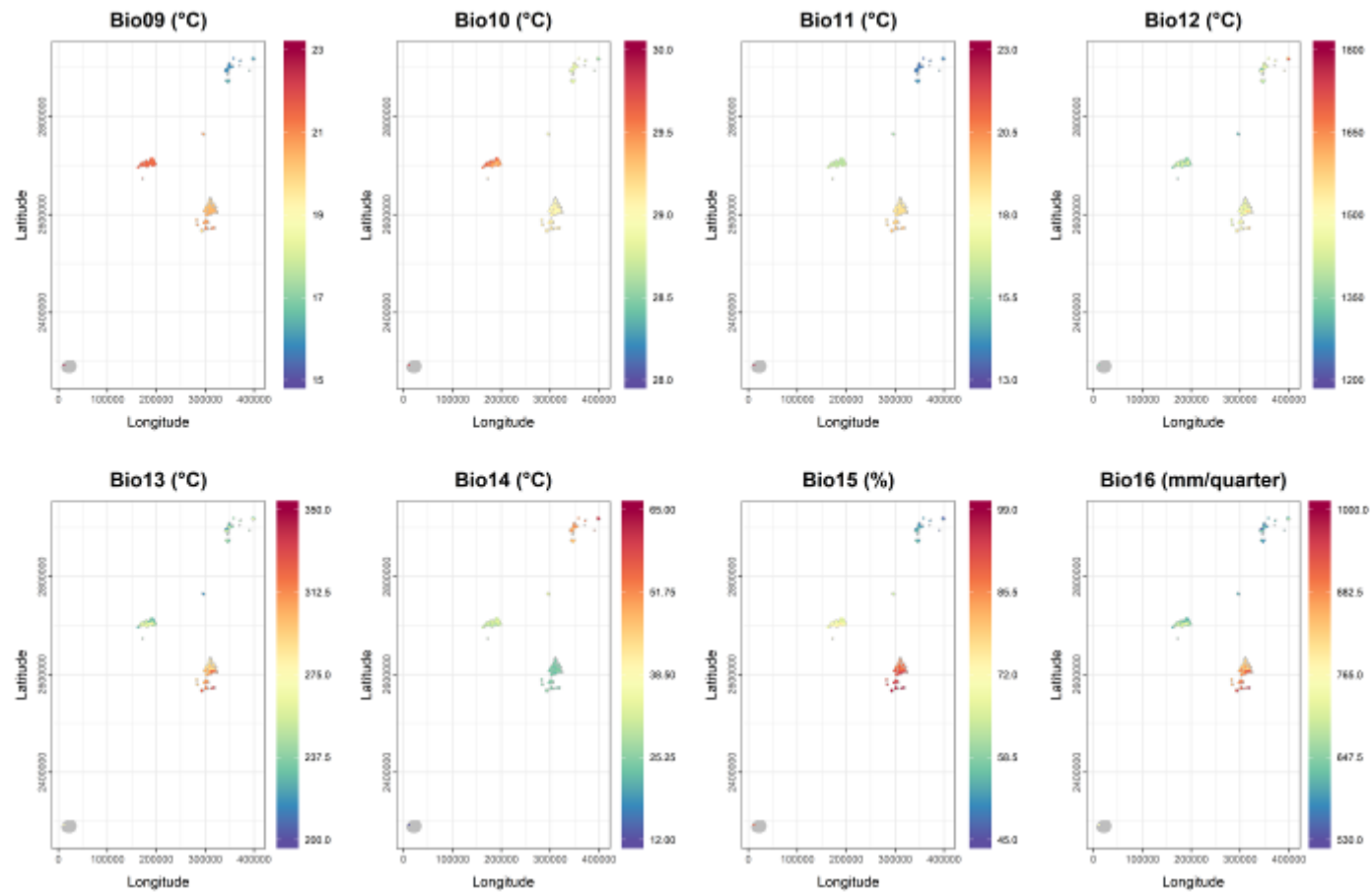


圖 6.5、2000 年代臺灣離島每月降水量圖，由左上至右下分別是 1 月至 12 月各月降水量圖。

Figure 6.5. The monthly precipitation sums of Taiwan's outlying islands in the 2000s, and there were maps of monthly precipitation sums from January (Pre01) to December (Pre12).





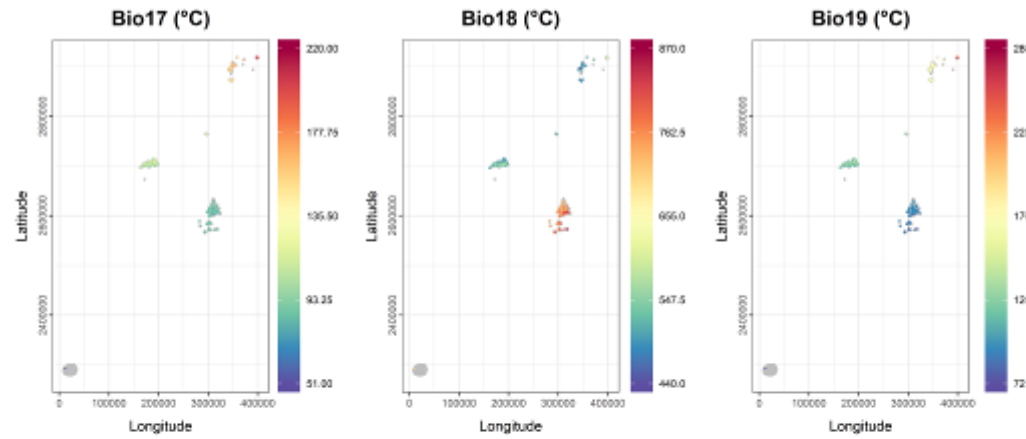
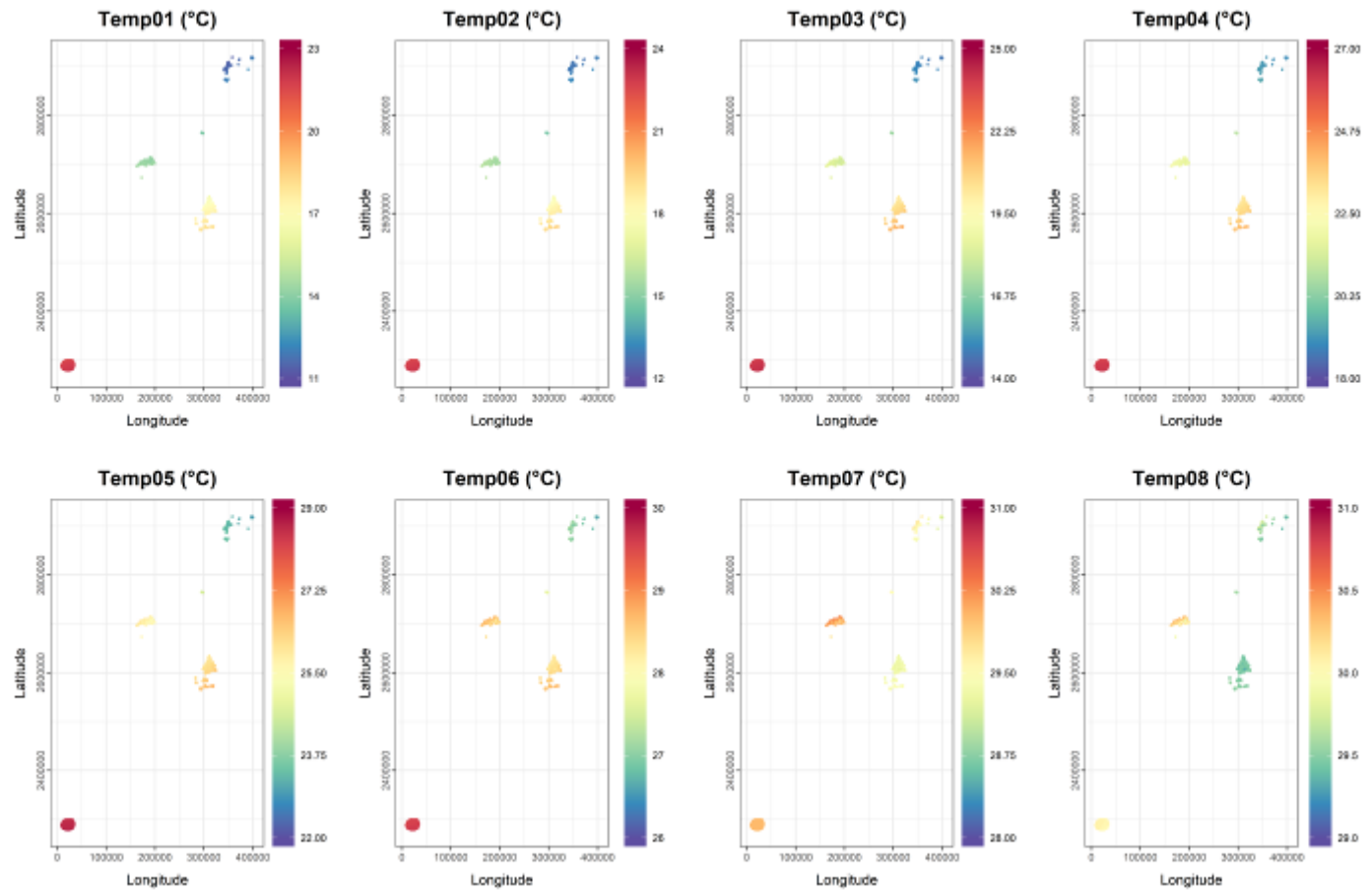


圖 6.6、2000 年代臺灣離島生物氣候變數圖，由左上至右下分別是年均溫 (Bio01)、平均日溫差 (Bio02)、溫度恆定性 (Bio03)、溫度季節性 (Bio04)、最暖月份之最高溫 (Bio05)、最冷月份之最低溫 (Bio06)、年溫差 (Bio07)、最潮濕季節之平均溫度 (Bio08)、最乾燥季節之平均溫度 (Bio09)、最溫暖季節之平均溫度 (Bio10)、最寒冷季節之平均溫度 (Bio11)、年降水量 (Bio12)、最潮濕月份之降水量 (Bio13)、最乾燥月份之降水量 (Bio14)、降水之季節性 (Bio15)、最潮濕季節之降水量 (Bio16)、最乾燥季節之降水量 (Bio17)、最溫暖季節之降水量 (Bio18)與最寒冷季節之降水量 (Bio19)。

Figure 6.6. Bioclimatic variables of Taiwan's outlying islands in the 2000s, which included the annual mean temperature (Bio01), mean diurnal range (Bio02), isothermality (Bio03), temperature seasonality (Bio04), max temperature of warmest month (Bio05), min temperature of coldest month (Bio06), temperature annual range (Bio07), mean temperature of wettest quarter (Bio08), mean temperature of driest quarter (Bio09), mean temperature of warmest quarter (Bio10), mean temperature of coldest quarter (Bio11), annual precipitation (Bio12), precipitation of wettest month (Bio13), precipitation of driest month (Bio14), precipitation seasonality (Bio15), precipitation of wettest quarter (Bio16), precipitation of driest quarter (Bio17), precipitation of warmest quarter (Bio18) and precipitation of coldest quarter (Bio19).



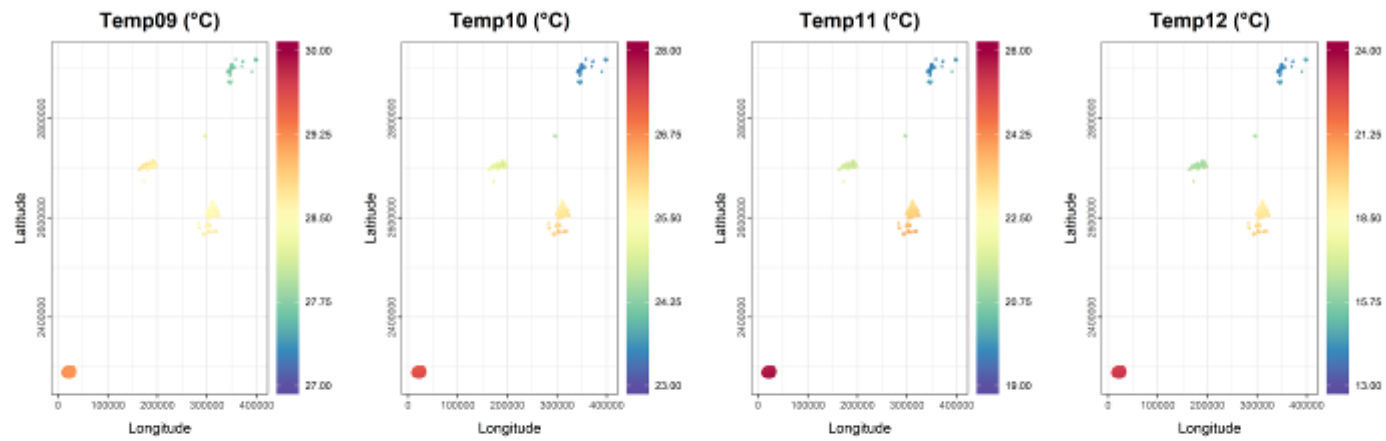
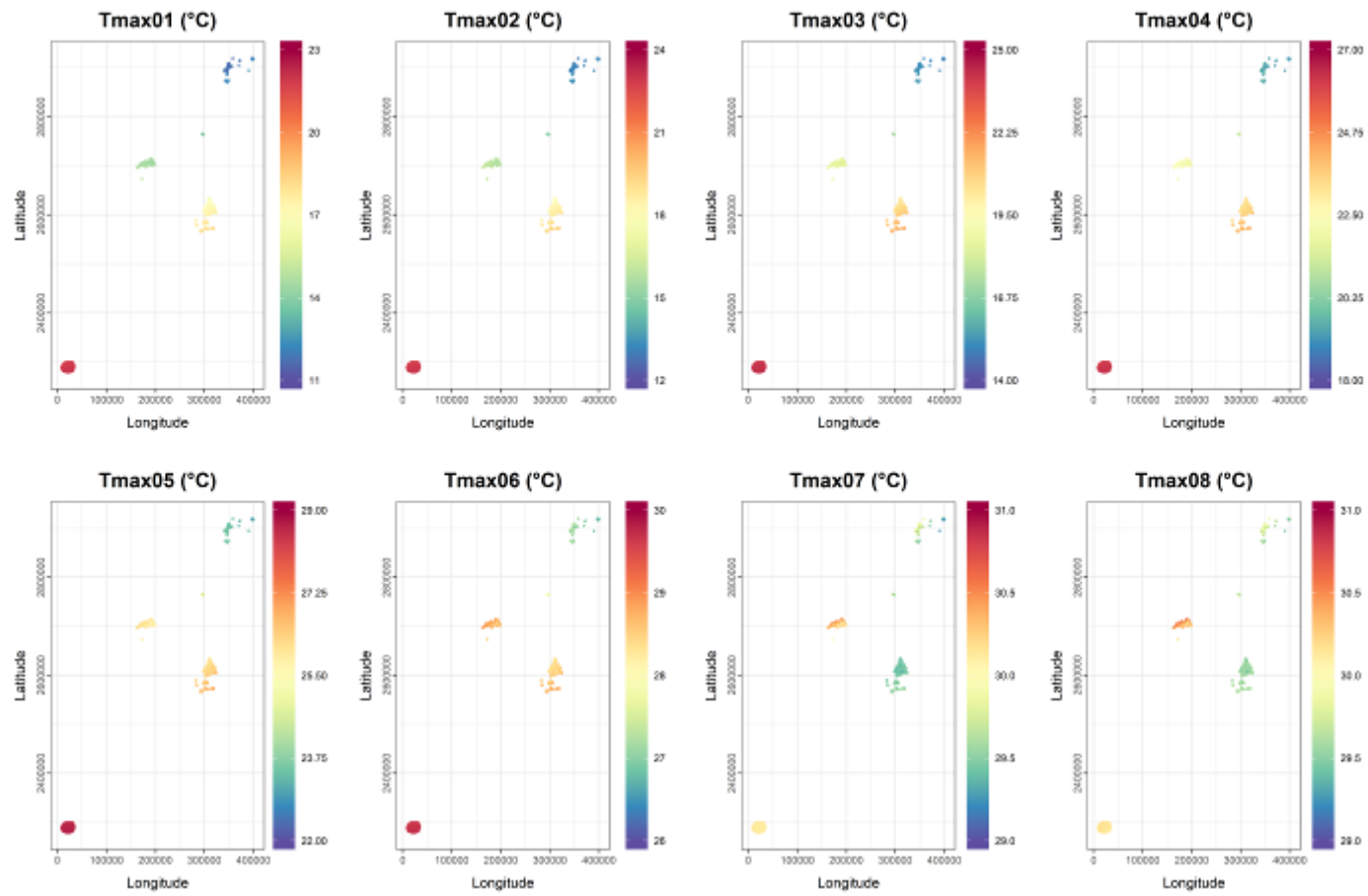


圖 7.1、2010 年代臺灣離島每月均溫圖，由左上至右下分別是 1 月至 12 月各月均溫。

Figure 7.1. The mean monthly temperature of Taiwan's outlying islands in the 2010s, and there were maps of monthly mean of daily mean temperature from January (Temp01) to December (Temp12).



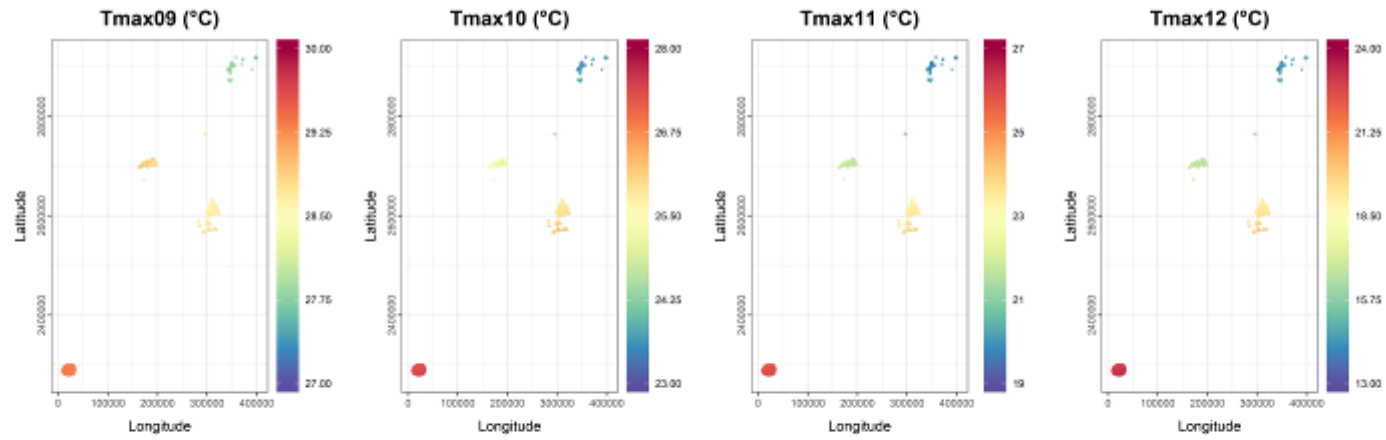
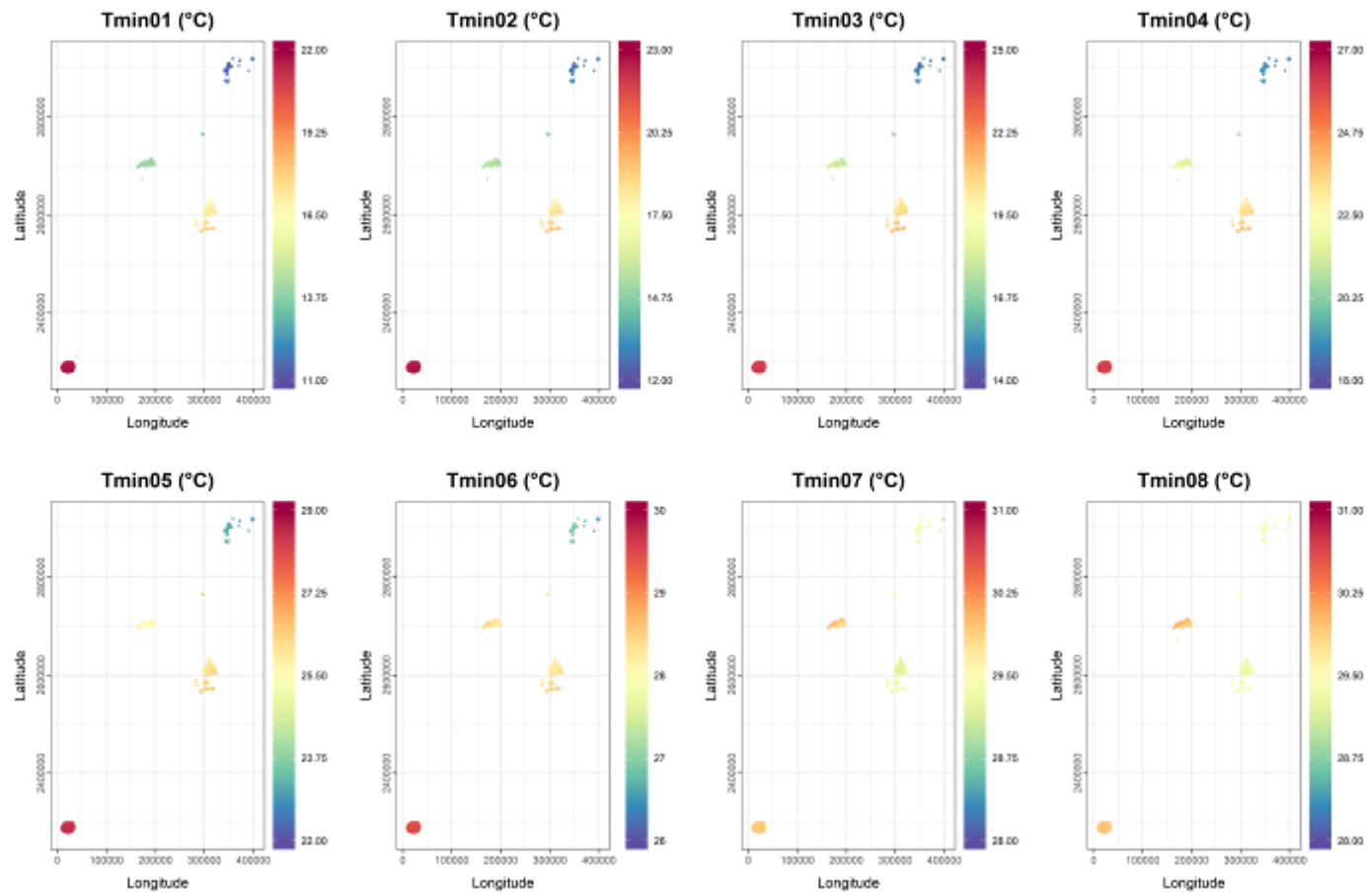


圖 7.2、2010 年代臺灣離島每月高溫圖，由左上至右下分別是 1 月至 12 月各月高溫。

Figure 7.2. The maximum monthly temperature of Taiwan's outlying islands in the 2010s, and there were maps of monthly mean of daily maximum temperature from January (Tmax01) to December (Tmax12).



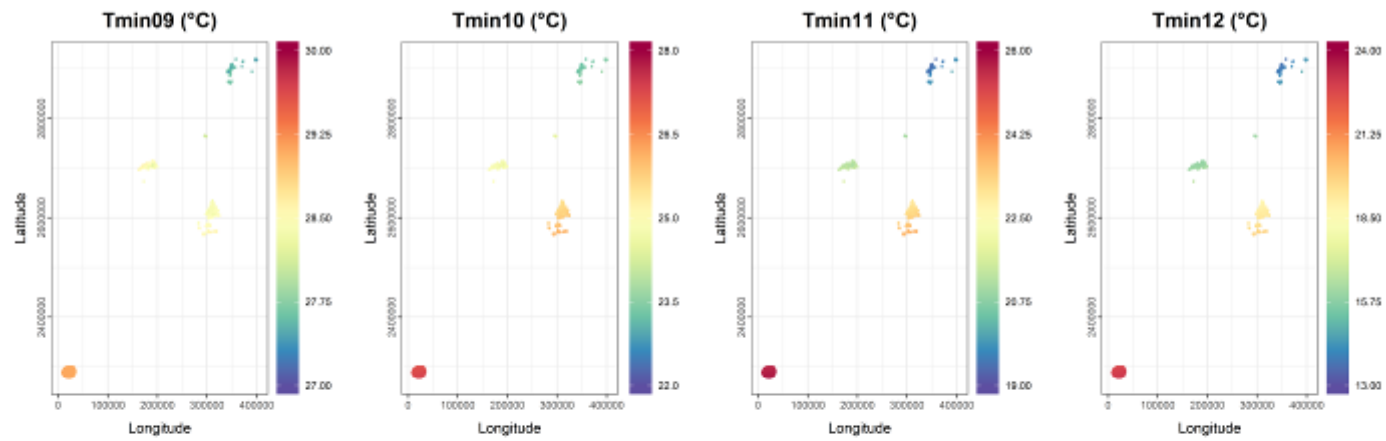
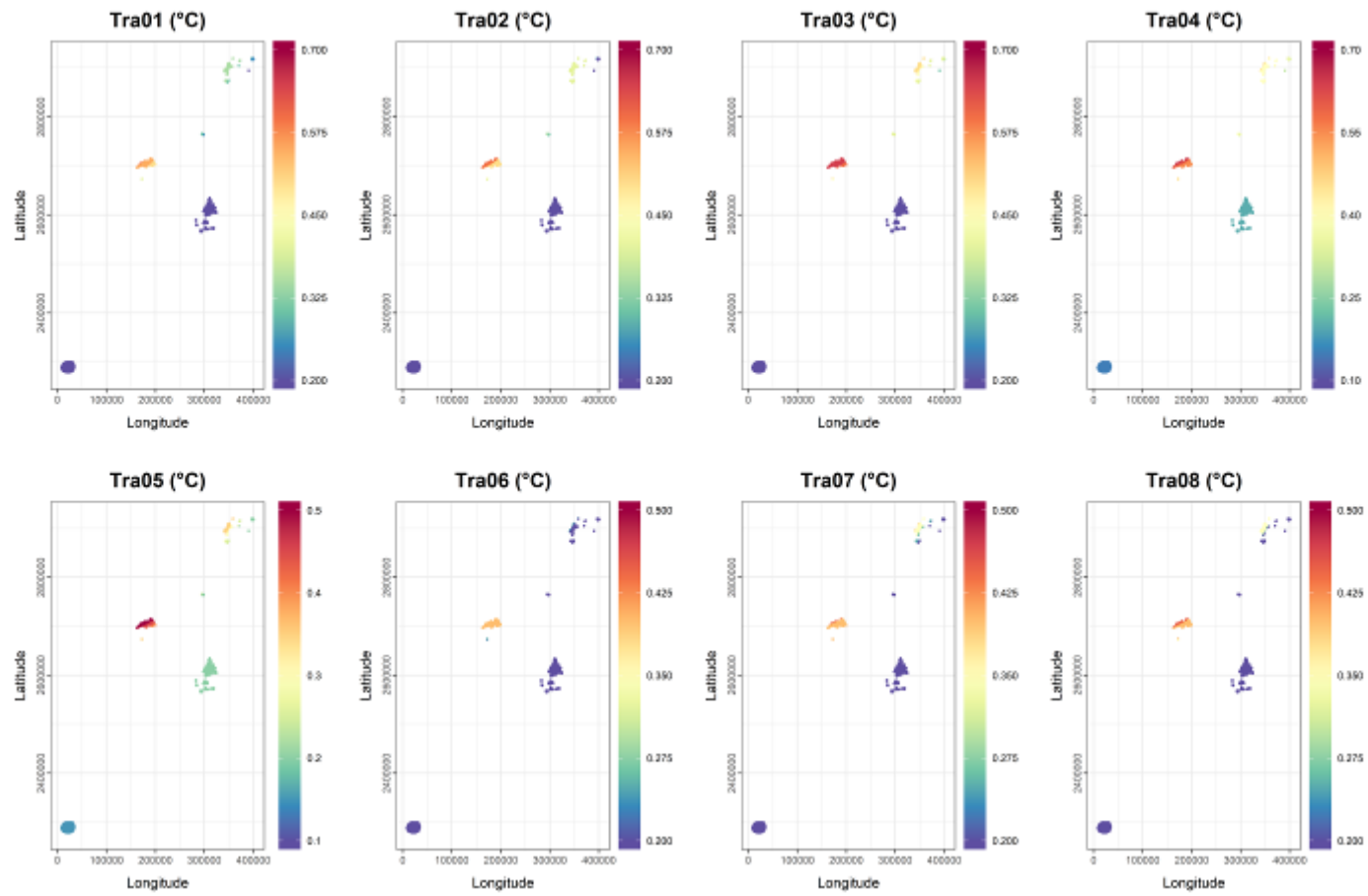


圖 7.3、2010 年代臺灣離島每月低溫圖，由左上至右下分別是 1 月至 12 月各月低溫。

Figure 7.3. The minimum monthly temperature of Taiwan's outlying islands in the 2010s, and there were maps of monthly mean of daily minimum temperature from January (Tmin01) to December (Tmin12).



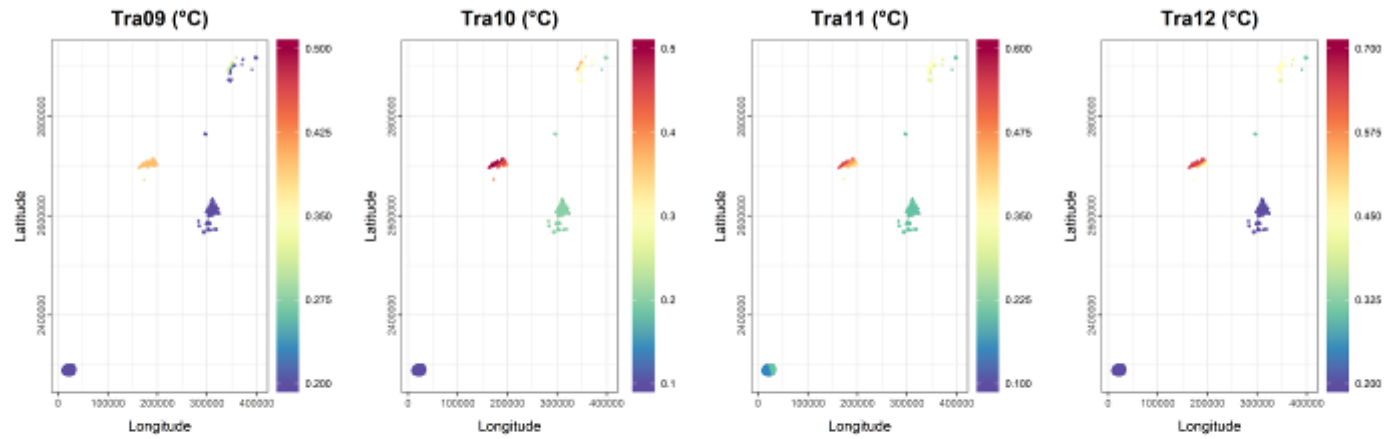
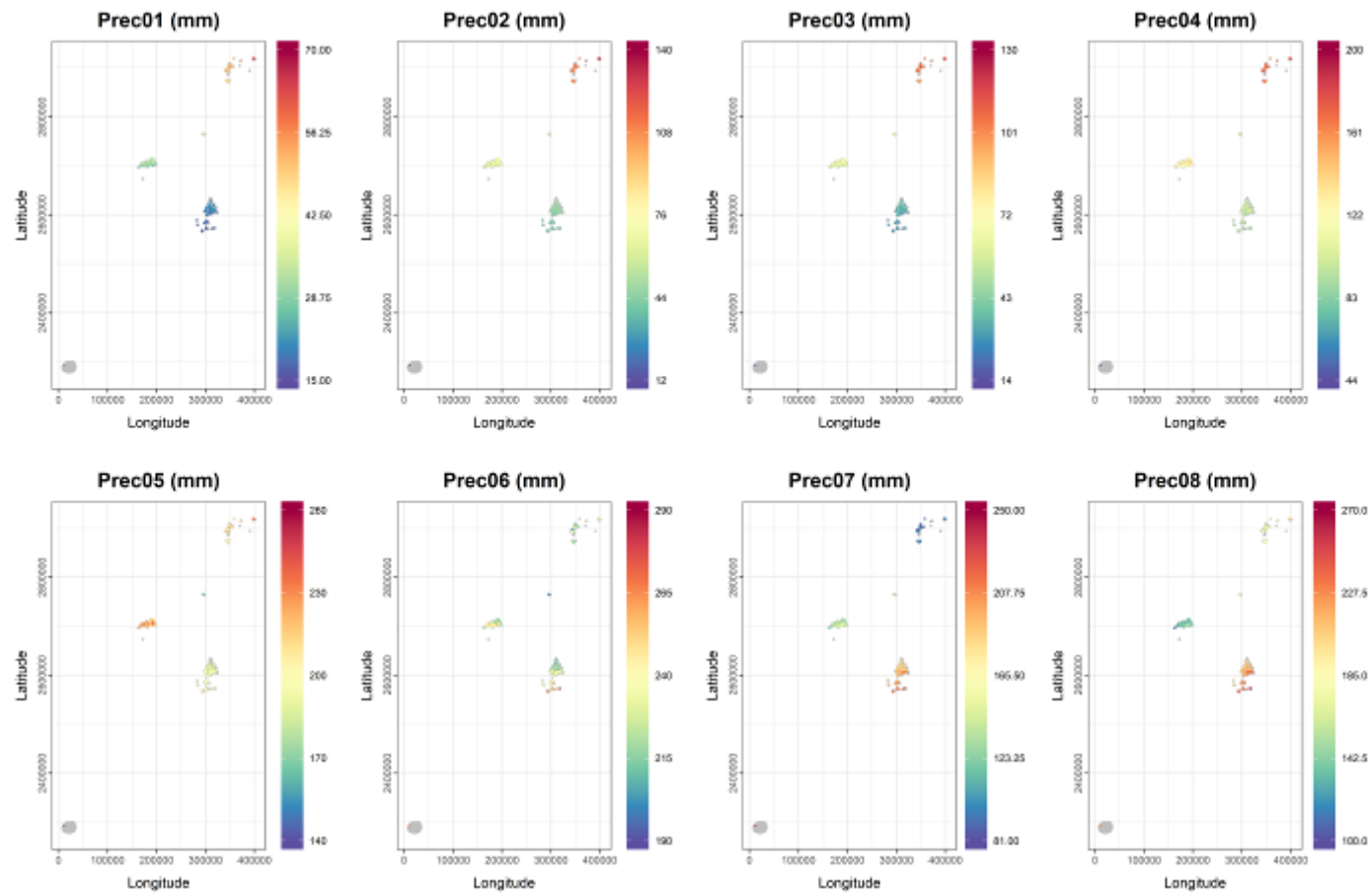


圖 7.4、2010 年代臺灣離島每月平均日溫差圖，由左上至右下分別是 1 月至 12 月各月每平均日溫差圖。

Figure 7.4. The range of maximum and minimum monthly temperature of Taiwan's outlying islands in the 2010s, and there were maps of the range of maximum and minimum monthly temperature from January (Tra01) to December (Tra12).



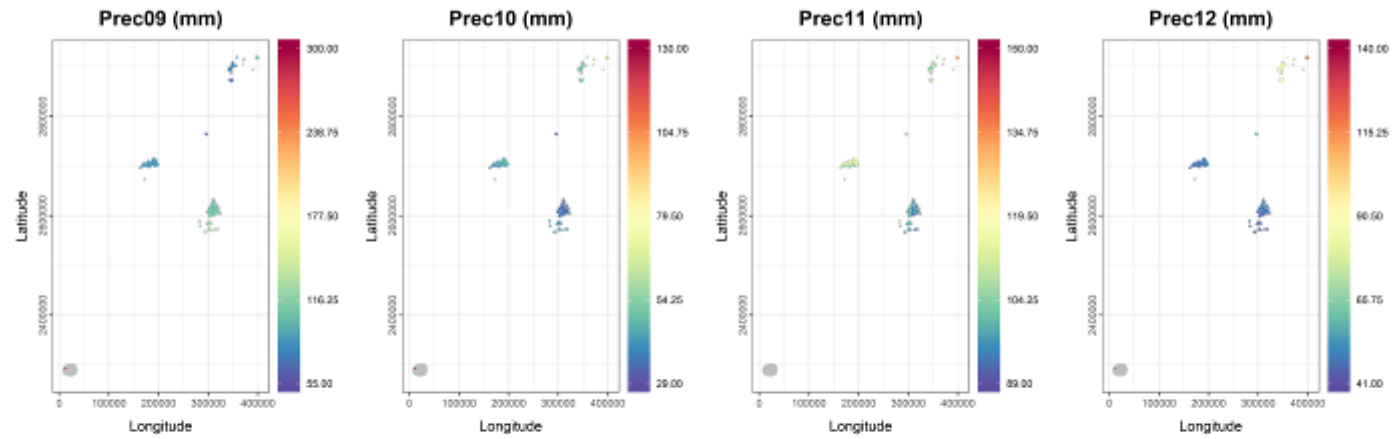
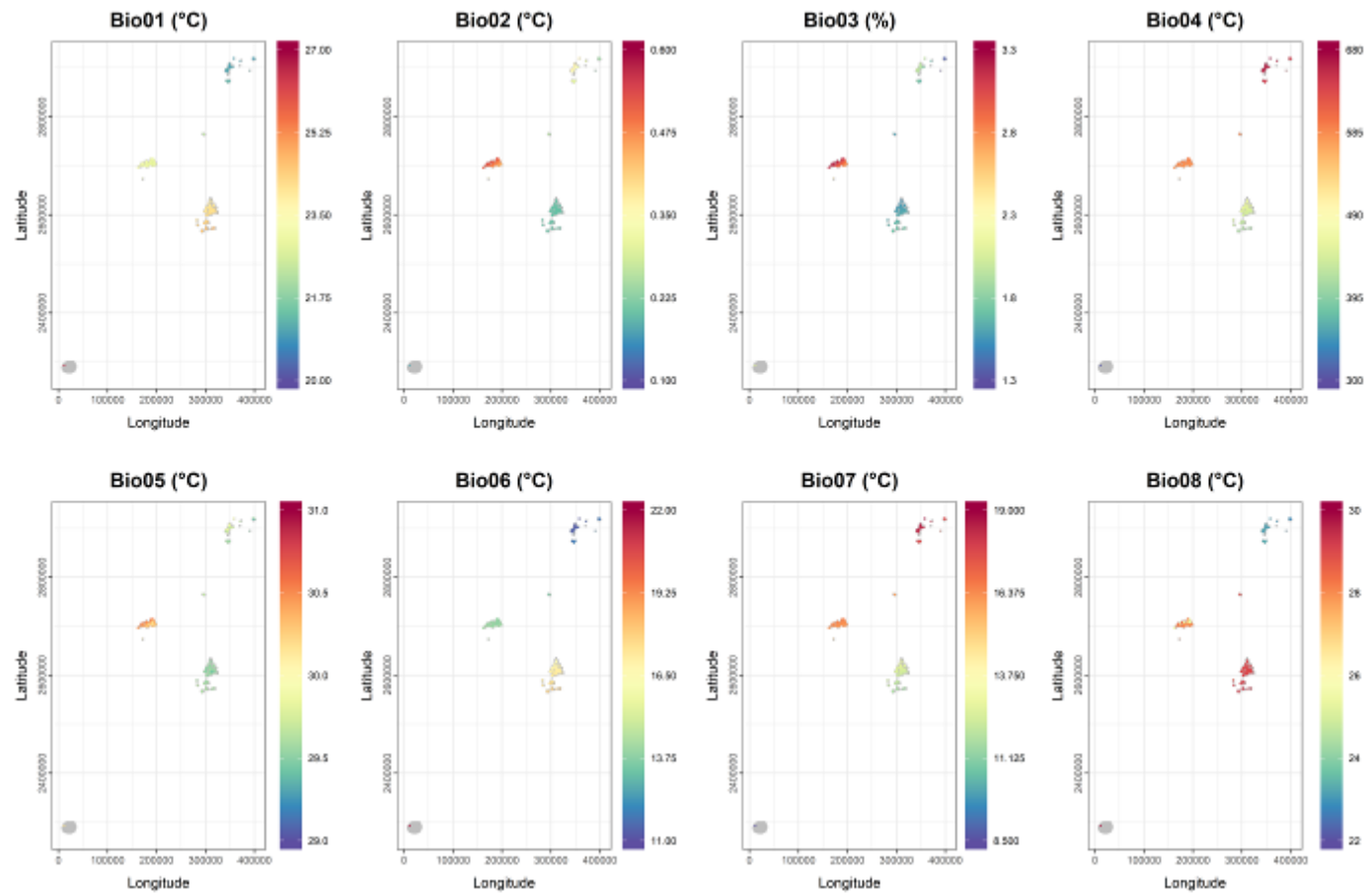
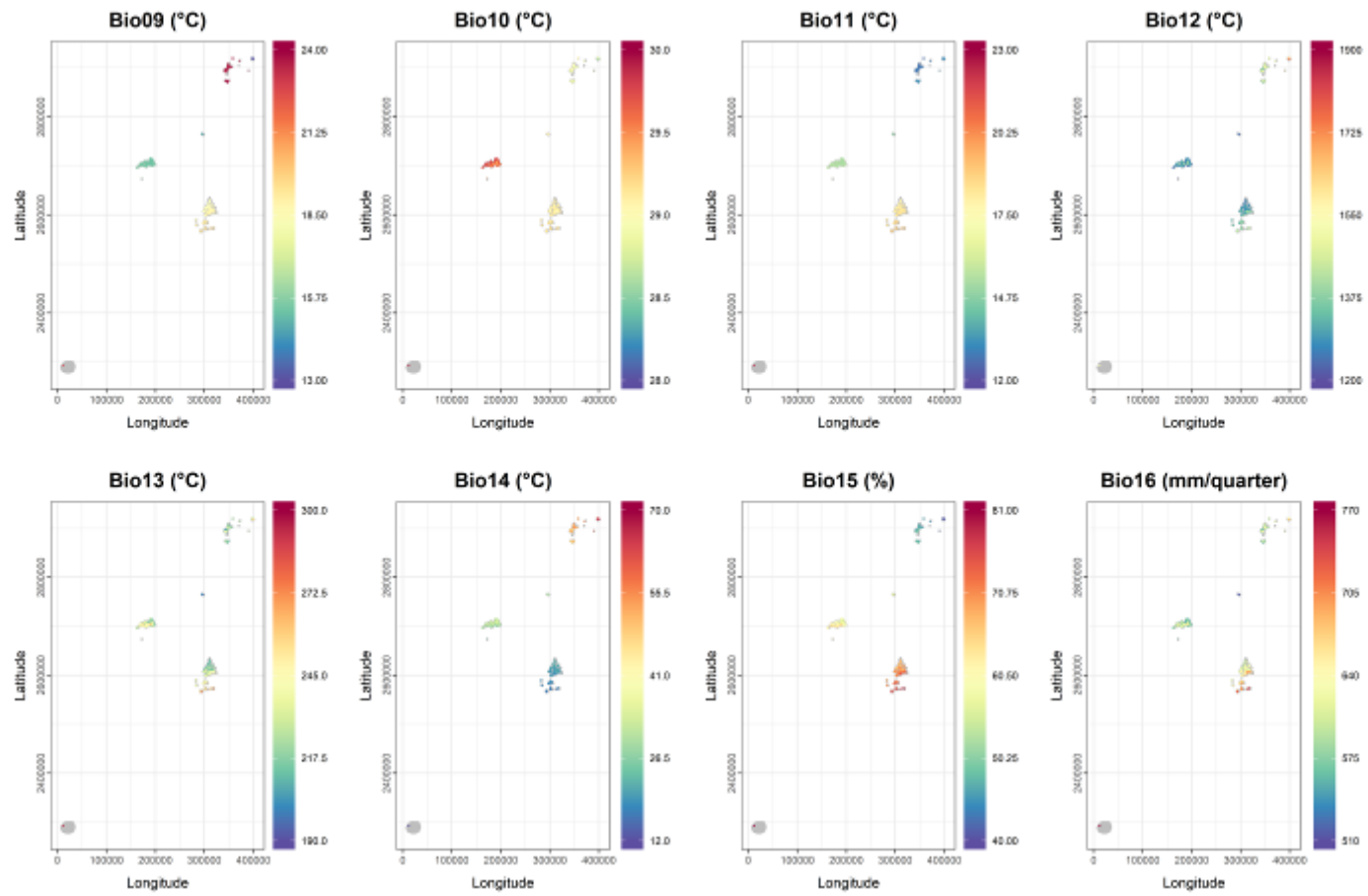


圖 7.5、2010 年代臺灣離島每月降水量圖，由左上至右下分別是 1 月至 12 月各月降水量圖。

Figure 7.5. The monthly precipitation sums of Taiwan's outlying islands in the 2010s, and there were maps of monthly precipitation sums from January (Pre01) to December (Pre12).





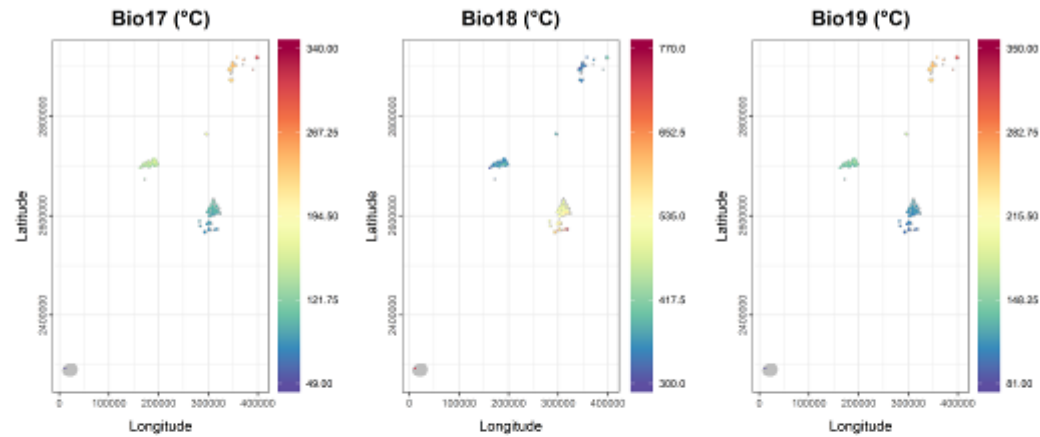
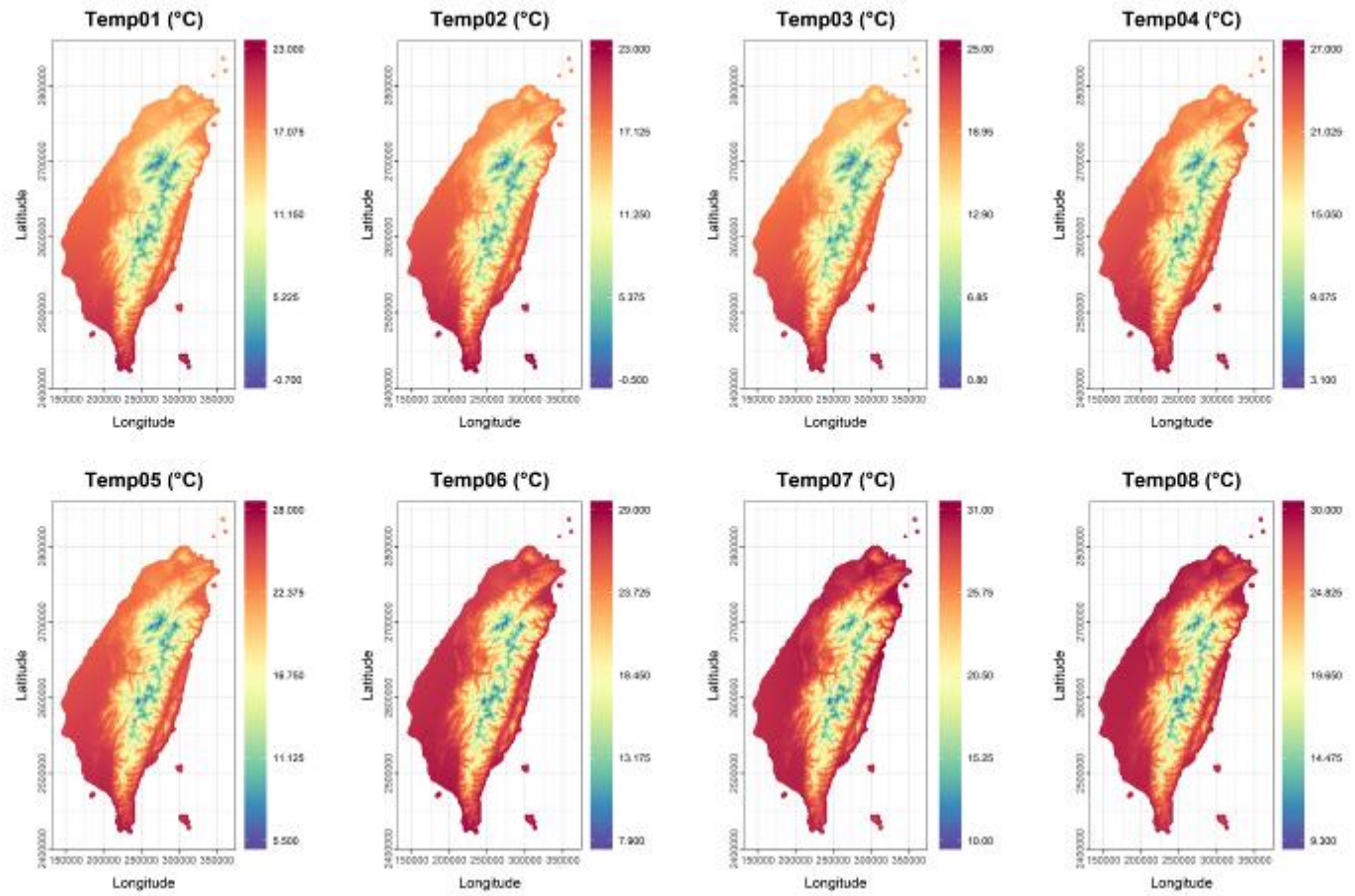


圖 7.6、2010 年代臺灣離島生物氣候變數圖，由左上至右下分別是年均溫 (Bio01)、平均日溫差 (Bio02)、溫度恆定性 (Bio03)、溫度季節性 (Bio04)、最暖月份之最高溫 (Bio05)、最冷月份之最低溫 (Bio06)、年溫差 (Bio07)、最潮濕季節之平均溫度 (Bio08)、最乾燥季節之平均溫度 (Bio09)、最溫暖季節之平均溫度 (Bio10)、最寒冷季節之平均溫度 (Bio11)、年降水量 (Bio12)、最潮濕月份之降水量 (Bio13)、最乾燥月份之降水量 (Bio14)、降水之季節性 (Bio15)、最潮濕季節之降水量 (Bio16)、最乾燥季節之降水量 (Bio17)、最溫暖季節之降水量 (Bio18)與最寒冷季節之降水量 (Bio19)。

Figure 7.6. Bioclimatic variables of Taiwan's outlying islands in the 2010s, which included the annual mean temperature (Bio01), mean diurnal range (Bio02), isothermality (Bio03), temperature seasonality (Bio04), max temperature of warmest month (Bio05), min temperature of coldest month (Bio06), temperature annual range (Bio07), mean temperature of wettest quarter (Bio08), mean temperature of driest quarter (Bio09), mean temperature of warmest quarter (Bio10), mean temperature of coldest quarter (Bio11), annual precipitation (Bio12), precipitation of wettest month (Bio13), precipitation of driest month (Bio14), precipitation seasonality (Bio15), precipitation of wettest quarter (Bio16), precipitation of driest quarter (Bio17), precipitation of warmest quarter (Bio18) and precipitation of coldest quarter (Bio19).



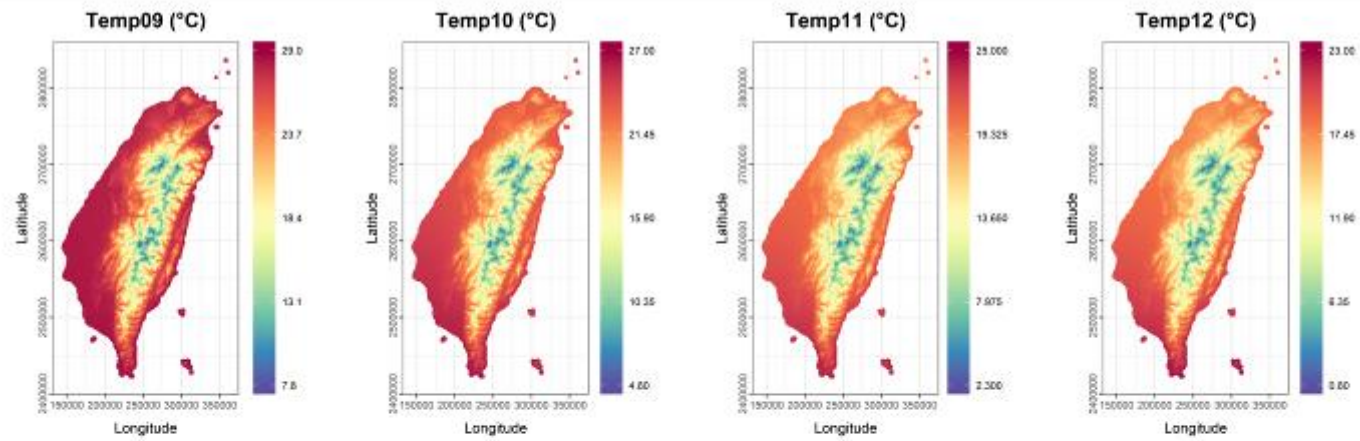
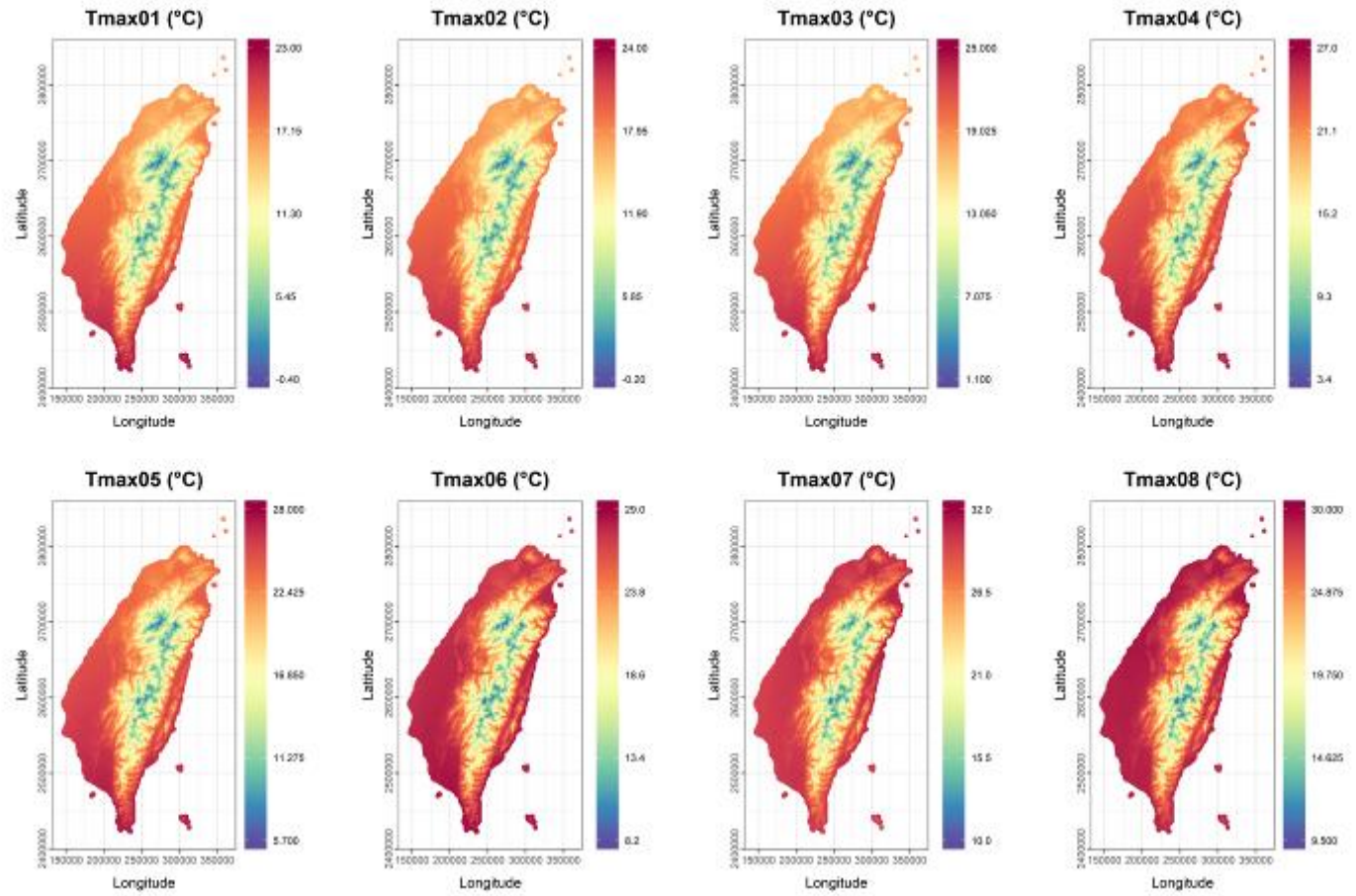


圖 8.1、1970 年代臺灣本島每月均溫圖，由左上至右下分別是 1 月至 12 月各月低溫。

Figure 8.1. The mean monthly temperature of Taiwan proper in the 1970s, and there were maps of monthly mean of daily minimum temperature from January (Tmin01) to December (Tmin12).



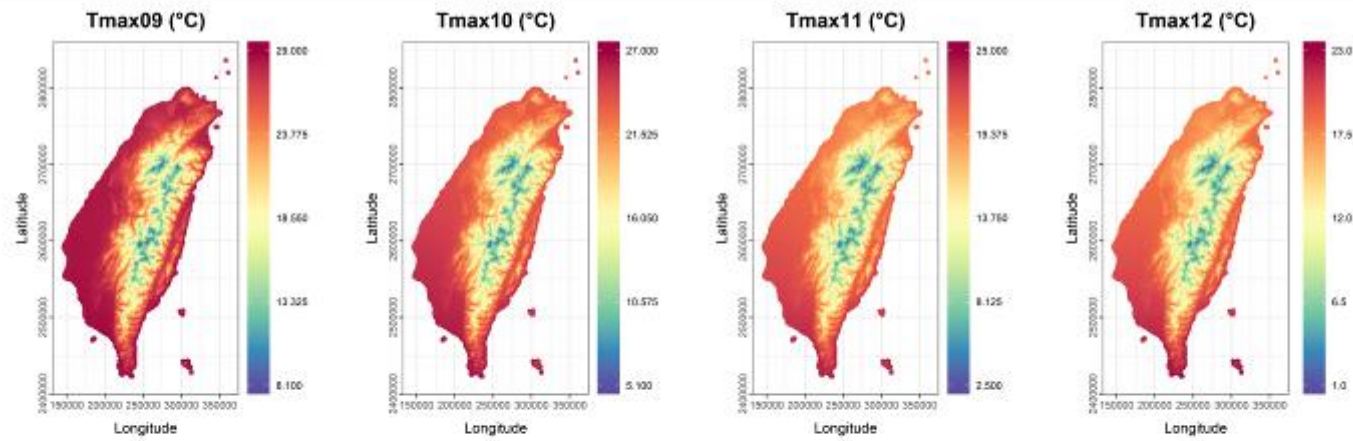
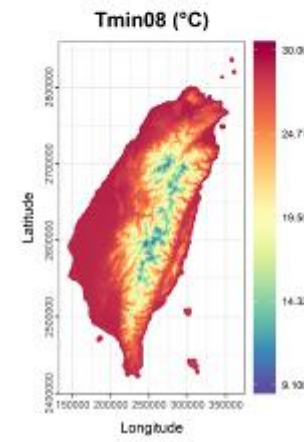
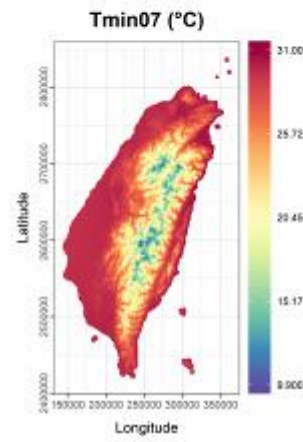
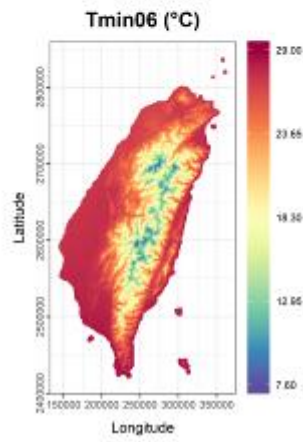
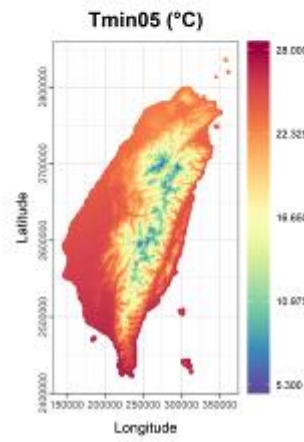
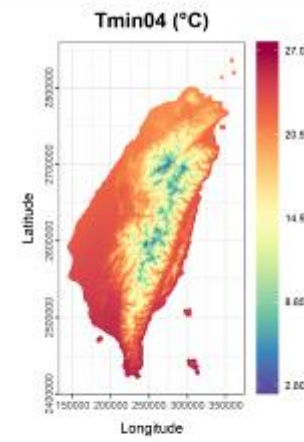
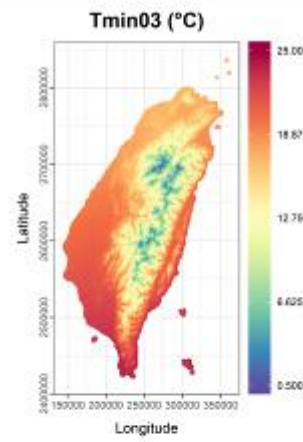
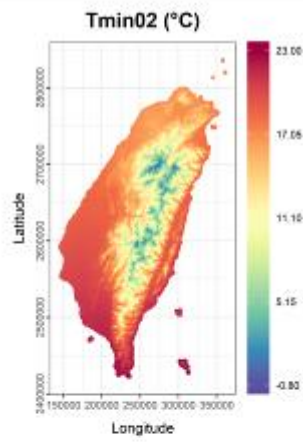
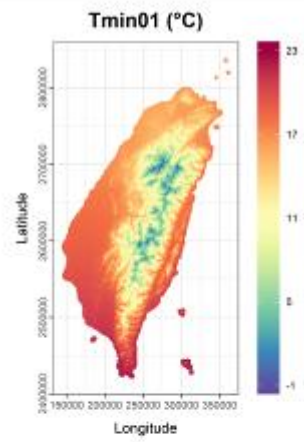


圖 8.2、1970 年代臺灣本島每月高溫圖，由左上至右下分別是 1 月至 12 月各月高溫。

Figure 8.2. The maximum monthly temperature of Taiwan proper in the 1970s, and there were maps of monthly mean of daily maximum temperature from January (Tmax01) to December (Tmax12).



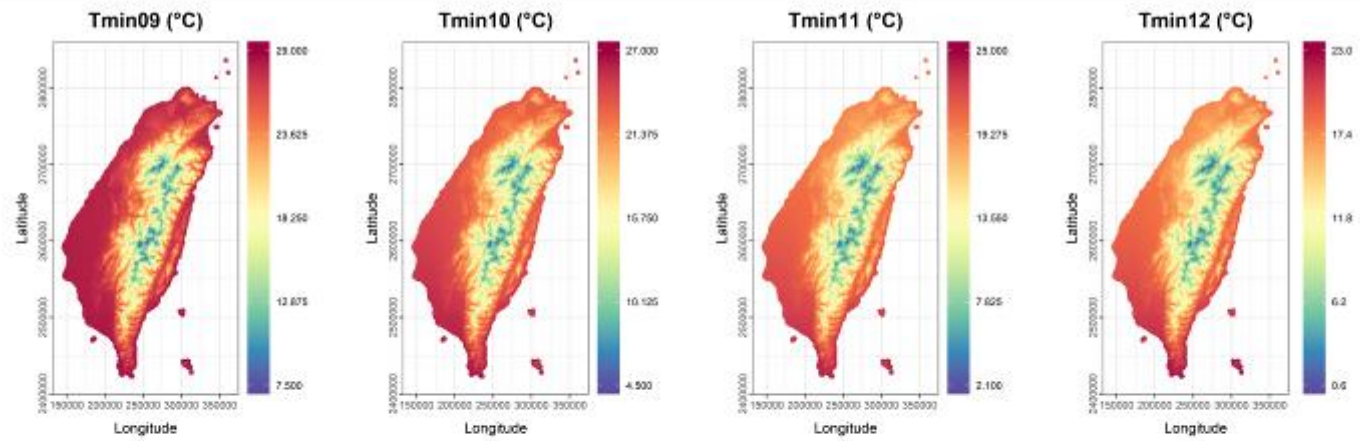
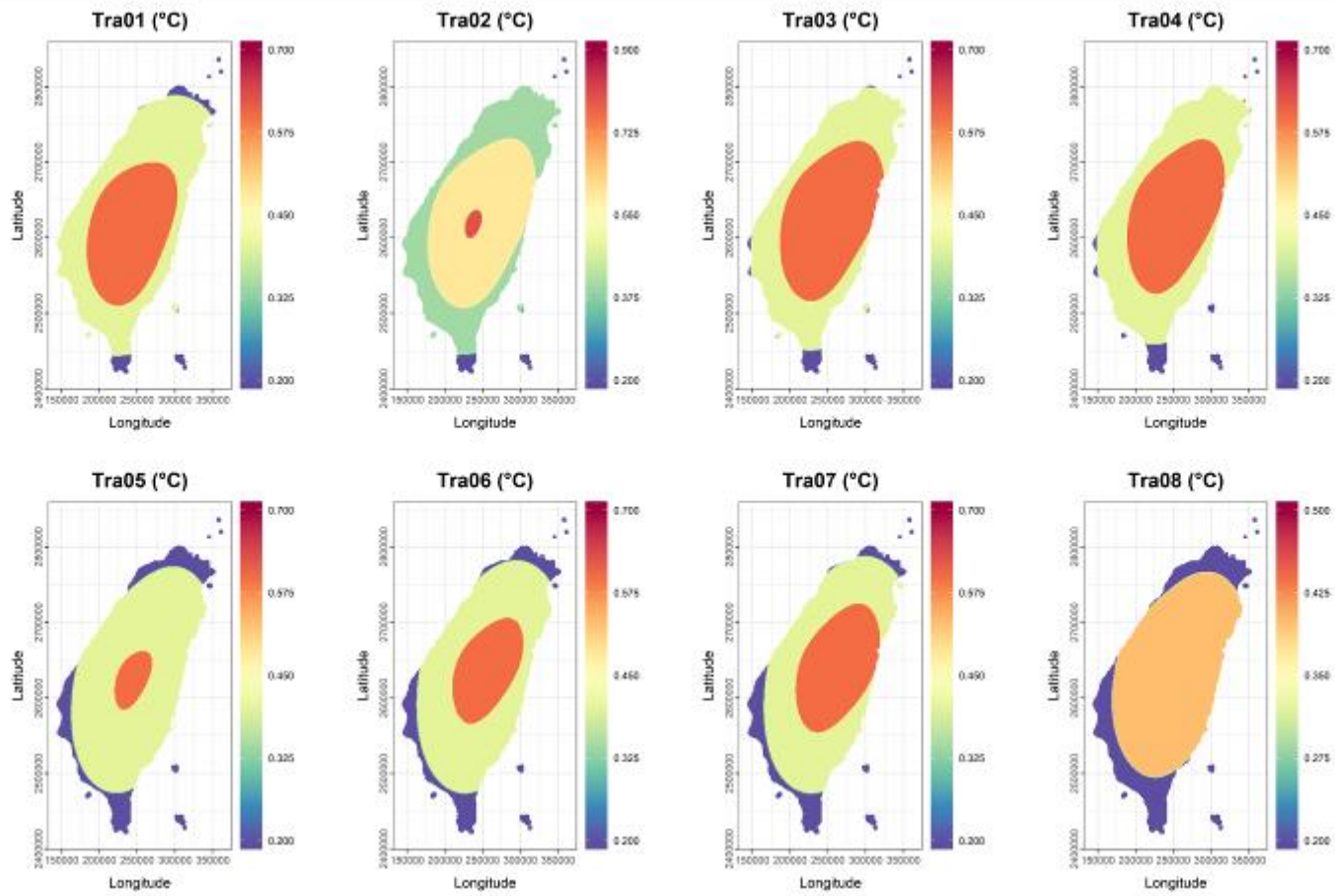


圖 8.3、1970 年代臺灣本島每月低溫圖，由左上至右下分別是 1 月至 12 月各月低溫。

Figure 8.3. The minimum monthly temperature of Taiwan proper in the 1970s, and there were maps of monthly mean of daily minimum temperature from January (T_{min01}) to December (T_{min12}).



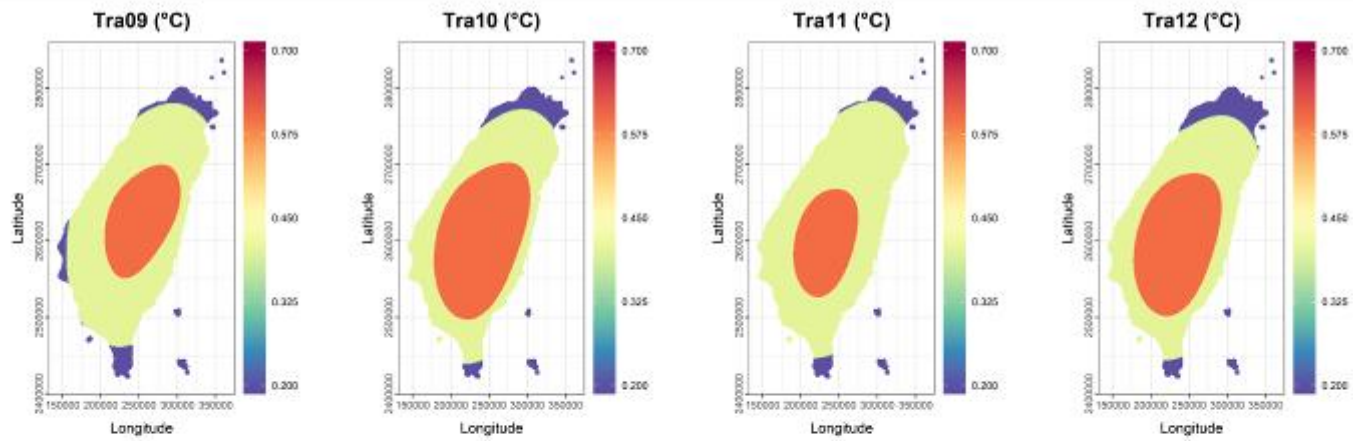
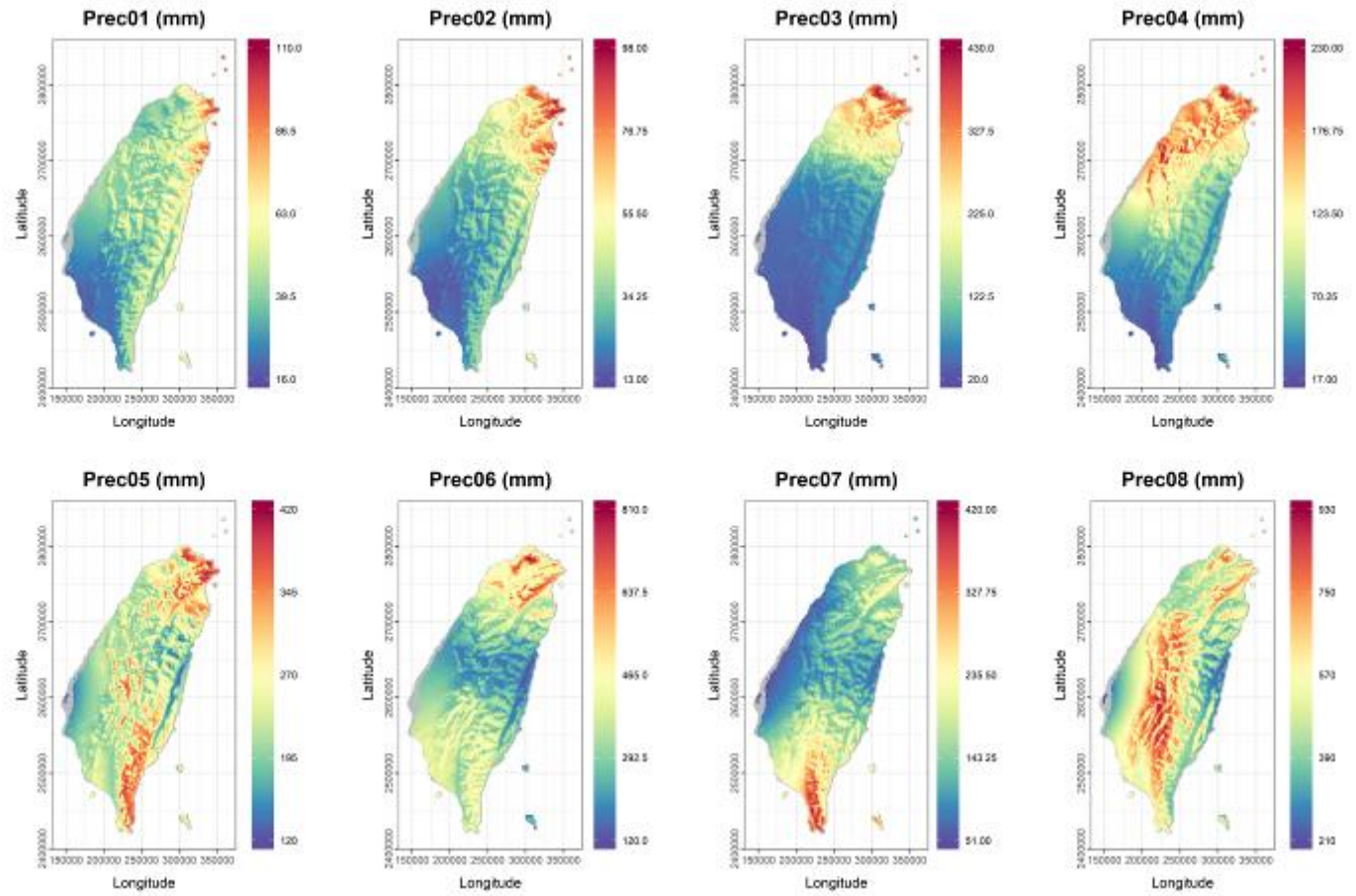


圖 8.4、1970 年代臺灣本島每月平均日溫差圖，由左上至右下分別是 1 月至 12 月各月每平均日溫差圖。

Figure 8.4. The range of maximum and minimum monthly temperature of Taiwan proper in the 1970s, and there were maps of the range of maximum and minimum monthly temperature from January (Tra01) to December (Tra12).



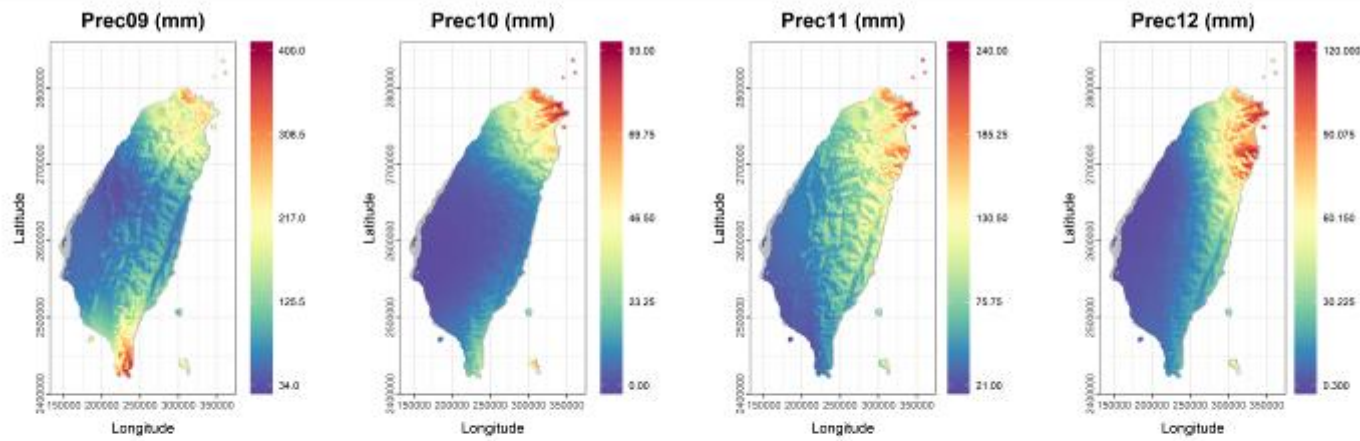
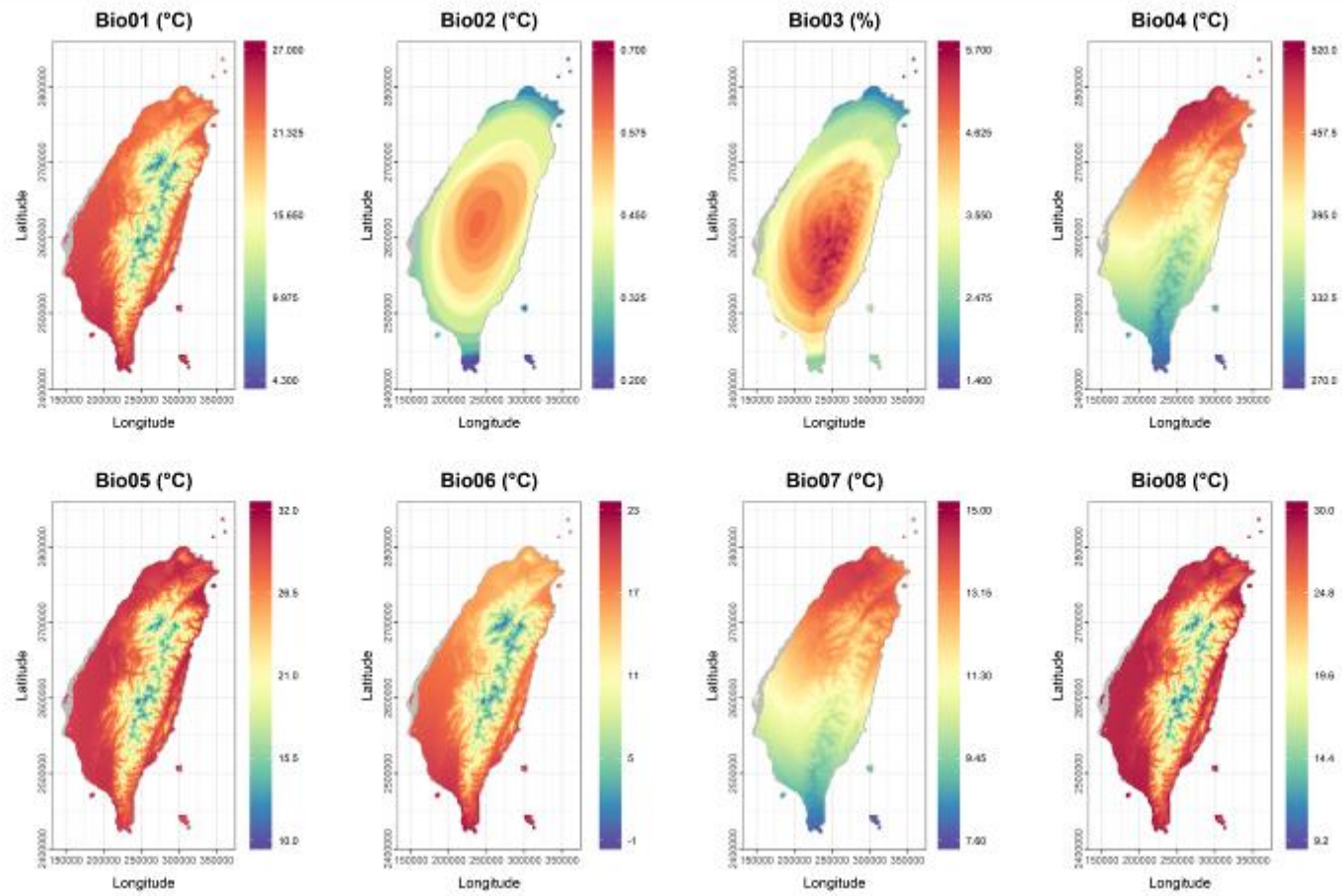
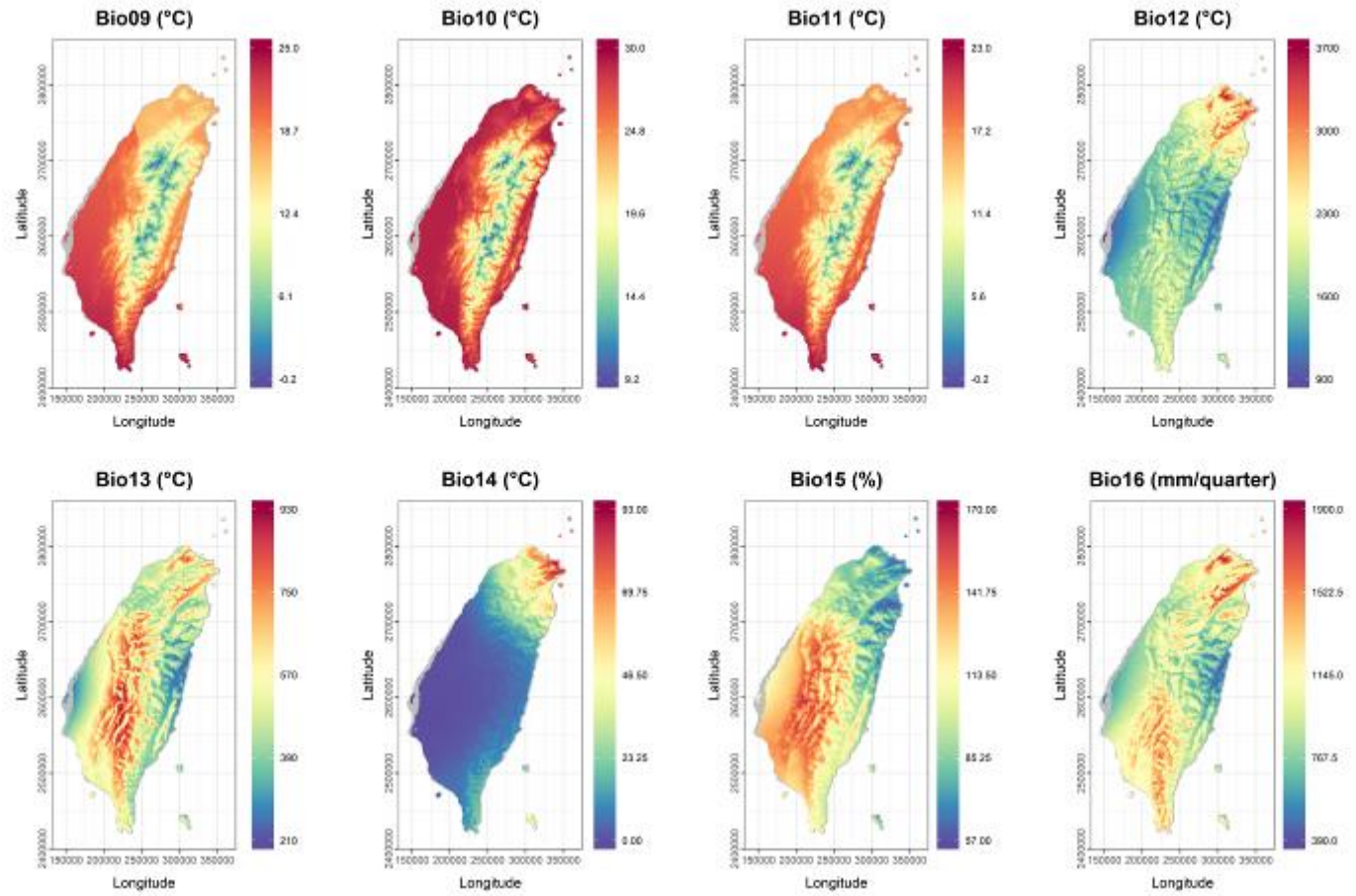


圖 8.5、1970 年代臺灣本島每月降水量圖，由左上至右下分別是 1 月至 12 月各月降水量圖。

Figure 8.5. The monthly precipitation sums of Taiwan proper in the 1970s, and there were maps of monthly precipitation sums from January (Pre01) to December (Pre12).





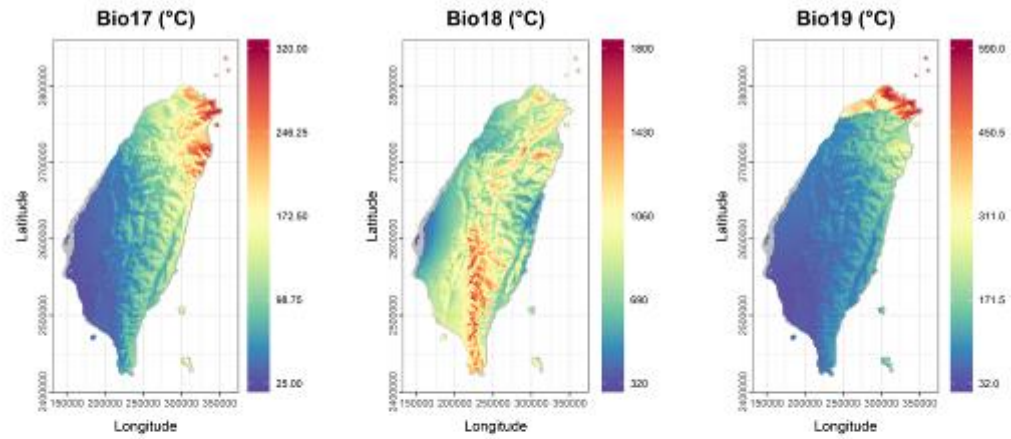
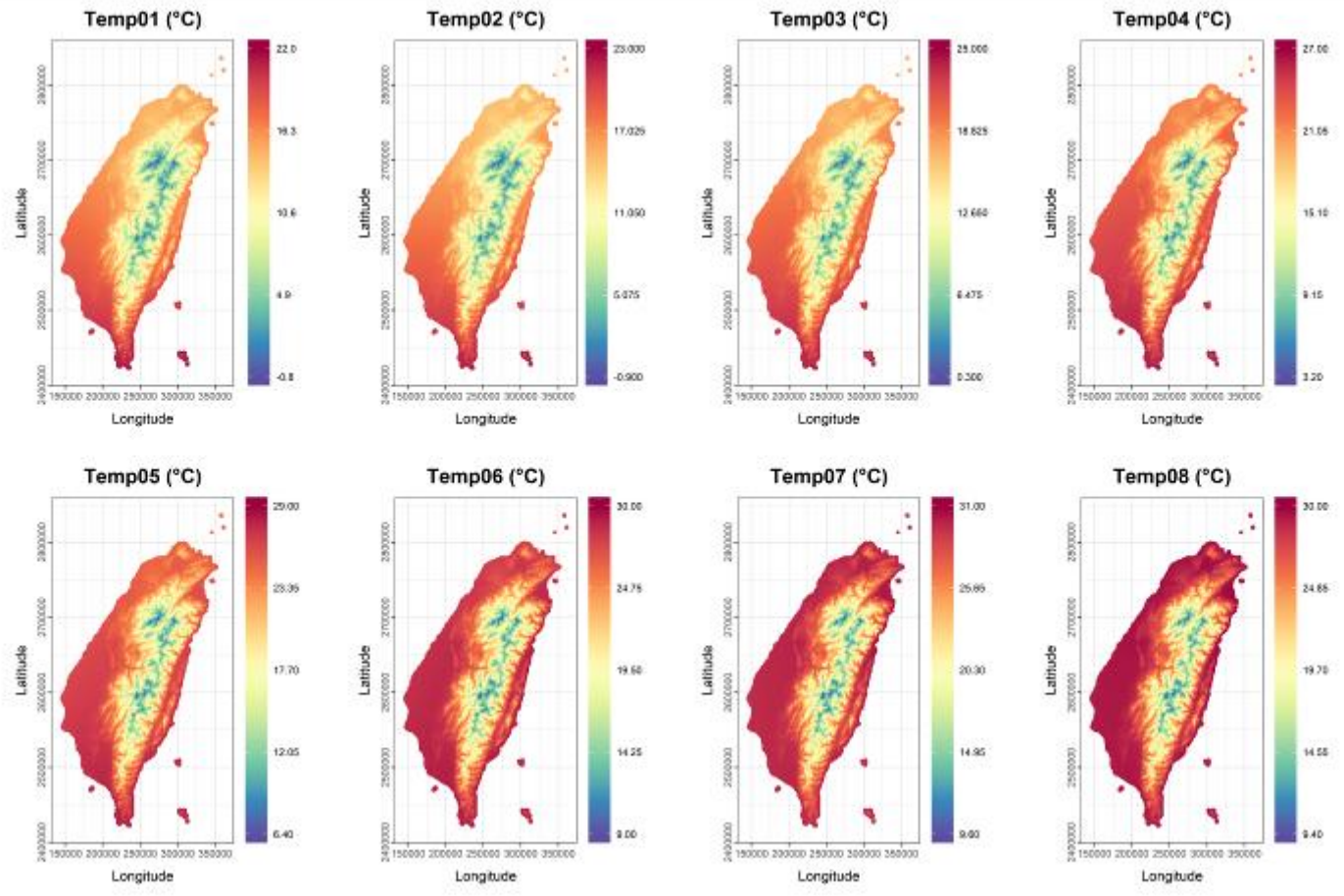


圖 8.6、1970 年代臺灣本島生物氣候變數圖，由左上至右下分別是年均溫 (Bio01)、平均日溫差 (Bio02)、溫度恆定性 (Bio03)、溫度季節性 (Bio04)、最暖月份之最高溫 (Bio05)、最冷月份之最低溫 (Bio06)、年溫差 (Bio07)、最潮濕季節之平均溫度 (Bio08)、最乾燥季節之平均溫度 (Bio09)、最溫暖季節之平均溫度 (Bio10)、最寒冷季節之平均溫度 (Bio11)、年降水量 (Bio12)、最潮濕月份之降水量 (Bio13)、最乾燥月份之降水量 (Bio14)、降水之季節性 (Bio15)、最潮濕季節之降水量 (Bio16)、最乾燥季節之降水量 (Bio17)、最溫暖季節之降水量 (Bio18)與最寒冷季節之降水量 (Bio19)。

Figure 8.6. Bioclimatic variables of Taiwan proper in the 1970s, which included the annual mean temperature (Bio01), mean diurnal range (Bio02), isothermality (Bio03), temperature seasonality (Bio04), max temperature of warmest month (Bio05), min temperature of coldest month (Bio06), temperature annual range (Bio07), mean temperature of wettest quarter (Bio08), mean temperature of driest quarter (Bio09), mean temperature of warmest quarter (Bio10), mean temperature of coldest quarter (Bio11), annual precipitation (Bio12), precipitation of wettest month (Bio13), precipitation of driest month (Bio14), precipitation seasonality (Bio15), precipitation of wettest quarter (Bio16), precipitation of driest quarter (Bio17), precipitation of warmest quarter (Bio18) and precipitation of coldest quarter (Bio19).



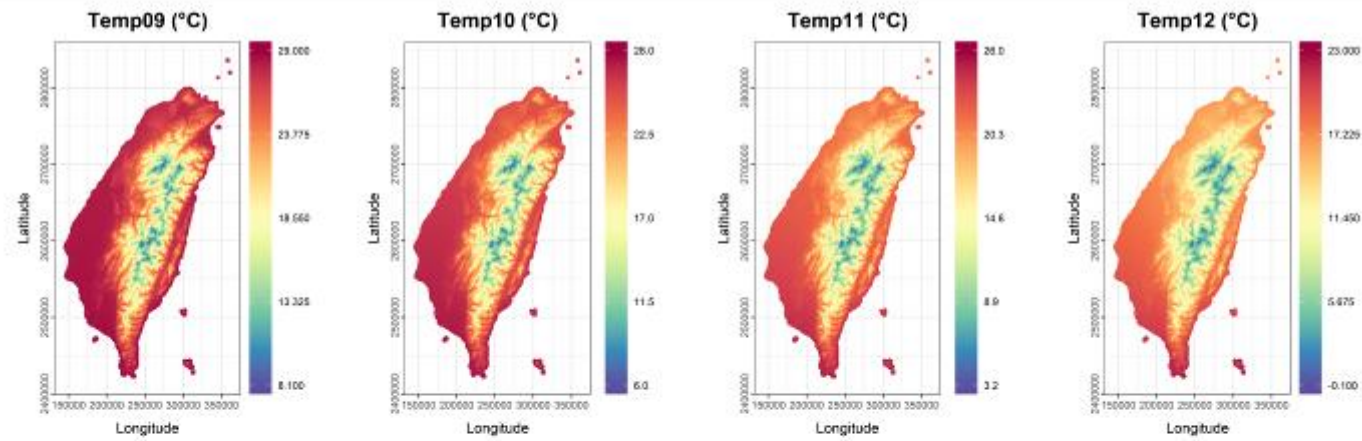
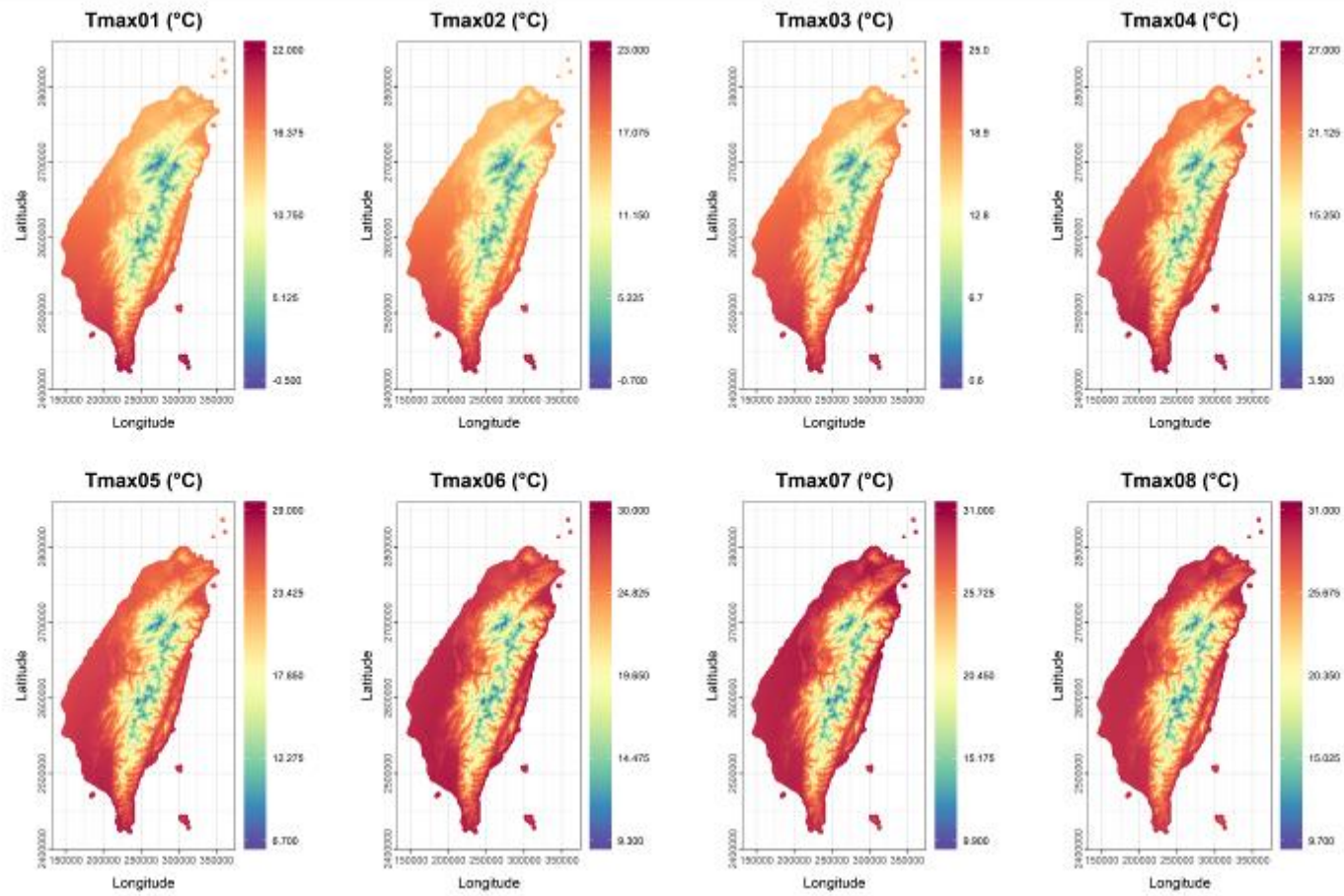


圖 9.1、1980 年代臺灣本島每月均溫圖，由左上至右下分別是 1 月至 12 月各月均溫。

Figure 9.1. The mean monthly temperature of Taiwan proper in the 1980s, and there were maps of monthly mean of daily mean temperature from January (Temp01) to December (Temp12).



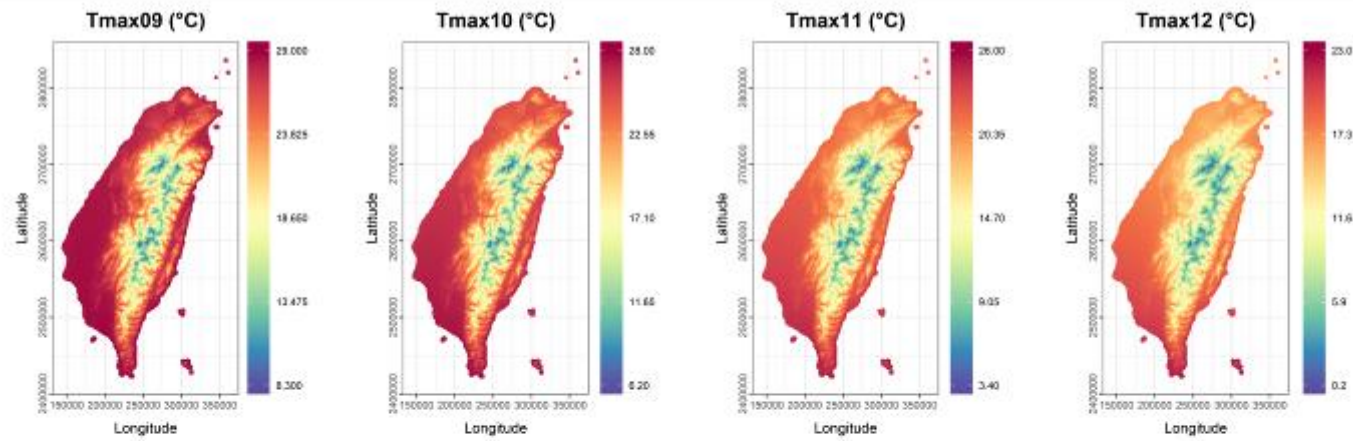
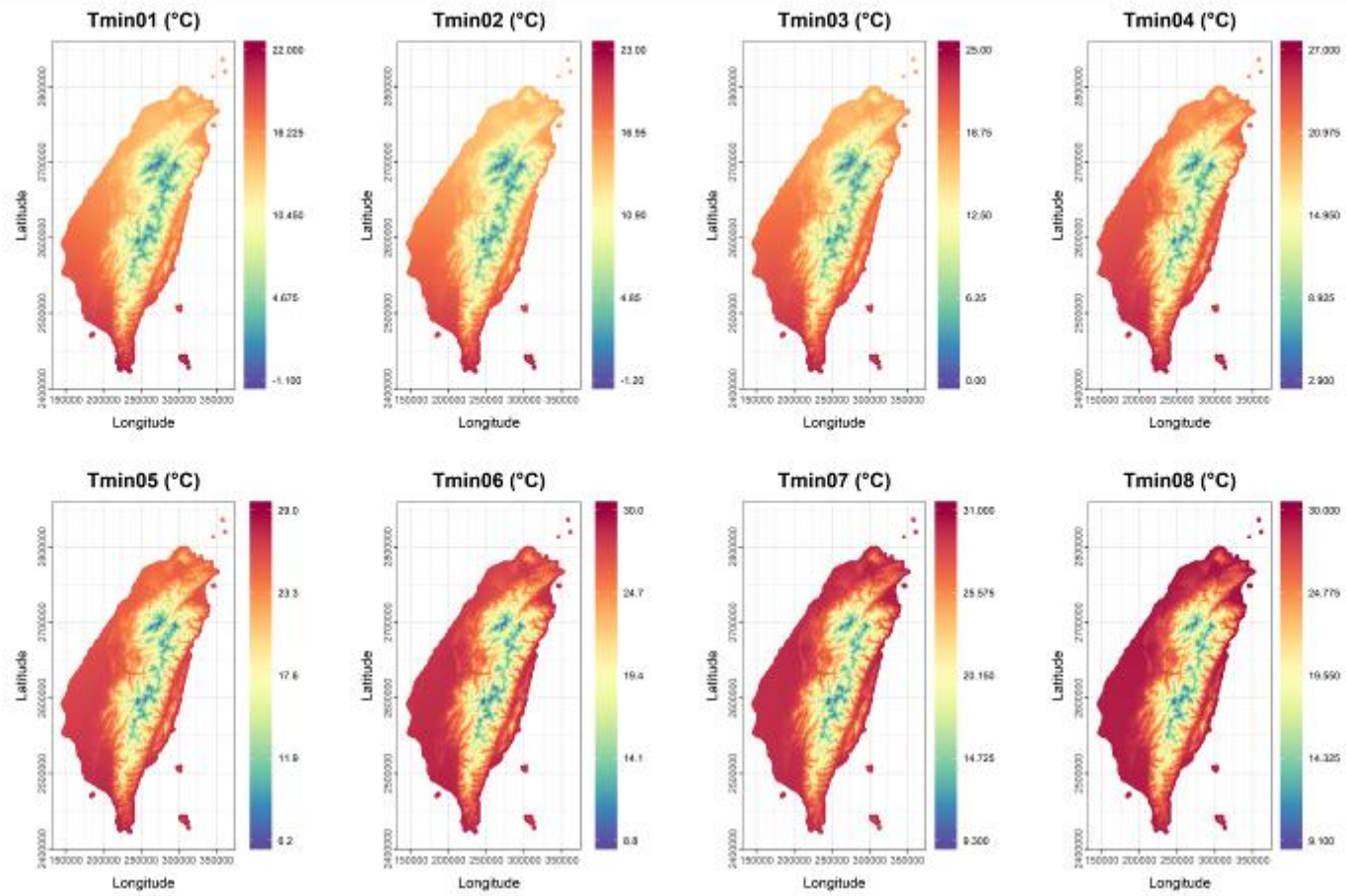


圖 9.2、1980 年代臺灣本島每月高溫圖，由左上至右下分別是 1 月至 12 月各月高溫。

Figure 9.2. The maximum monthly temperature of Taiwan proper in the 1980s, and there were maps of monthly mean of daily maximum temperature from January (Tmax01) to December (Tmax12).



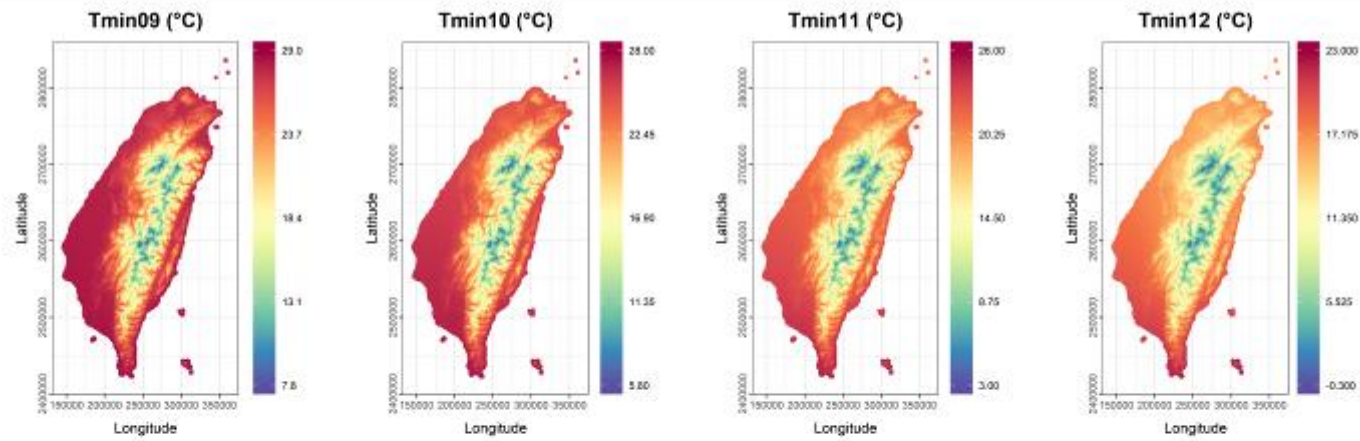
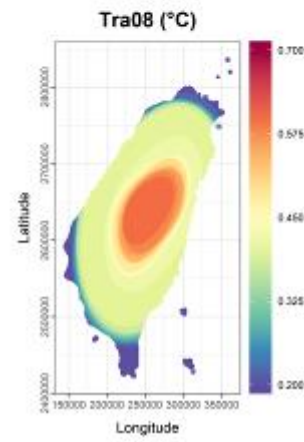
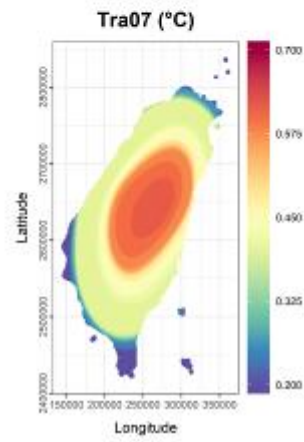
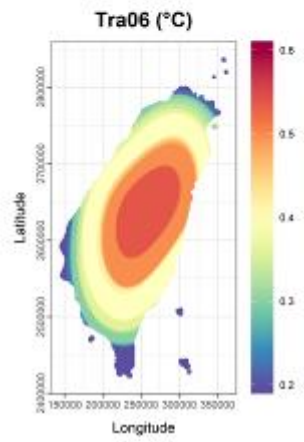
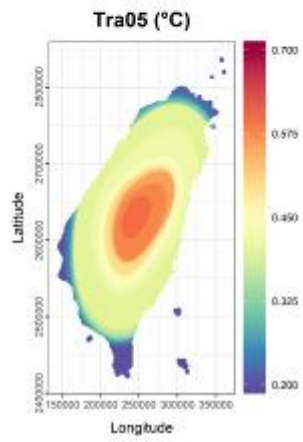
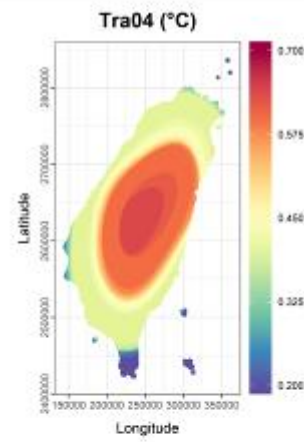
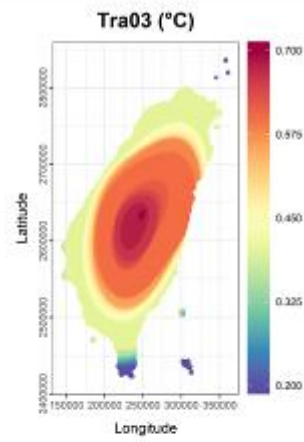
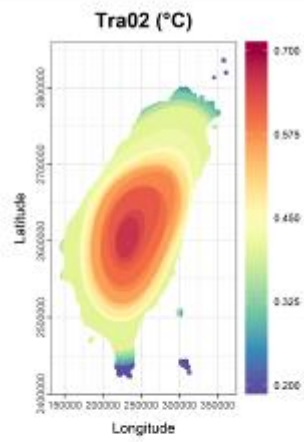
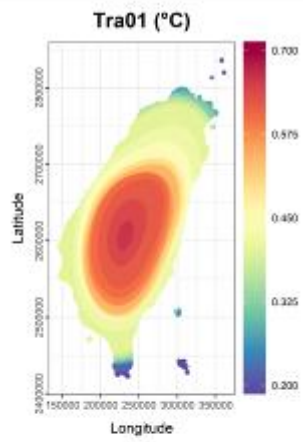


圖 9.3、1980 年代臺灣本島每月低溫圖，由左上至右下分別是 1 月至 12 月各月低溫。

Figure 9.3. The minimum monthly temperature of Taiwan proper in the 1980s, and there were maps of monthly mean of daily minimum temperature from January (Tmin01) to December (Tmin12).



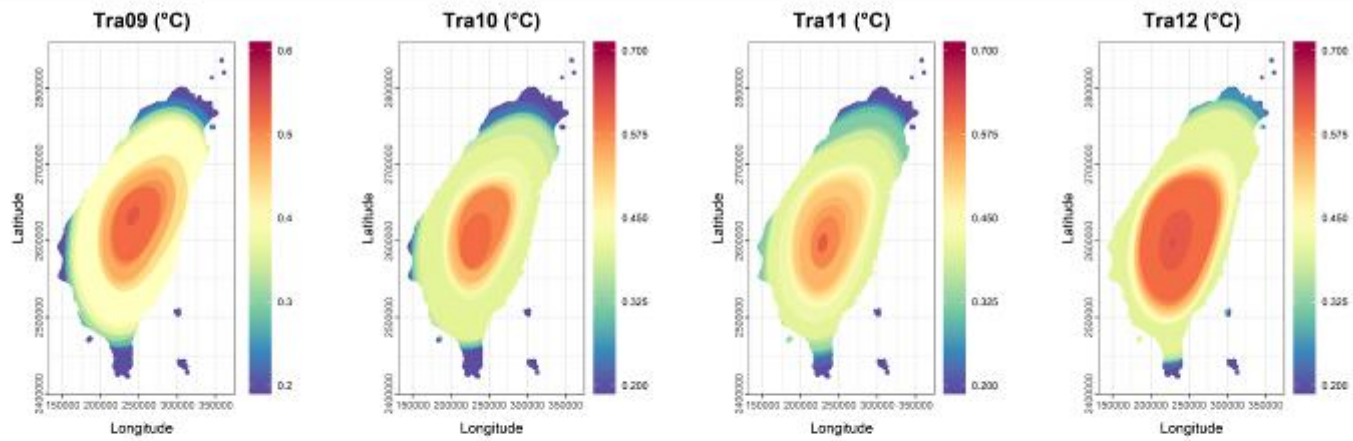
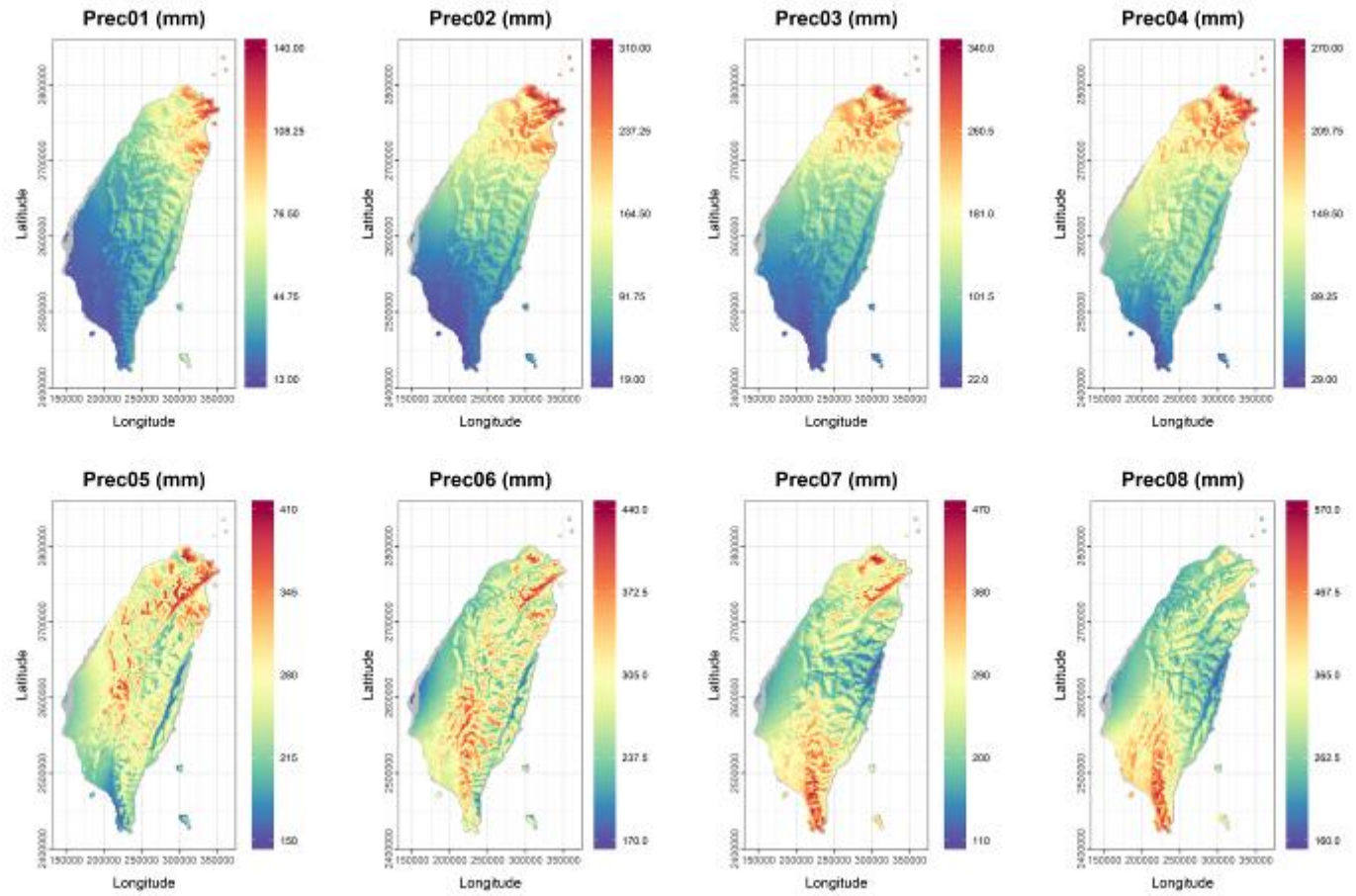


圖 9.4、1980 年代臺灣本島每月平均日溫差圖，由左上至右下分別是 1 月至 12 月各月每平均日溫差圖。

Figure 9.4. The range of maximum and minimum monthly temperature of Taiwan proper in the 1980s, and there were maps of the range of maximum and minimum monthly temperature from January (Tra01) to December (Tra12).



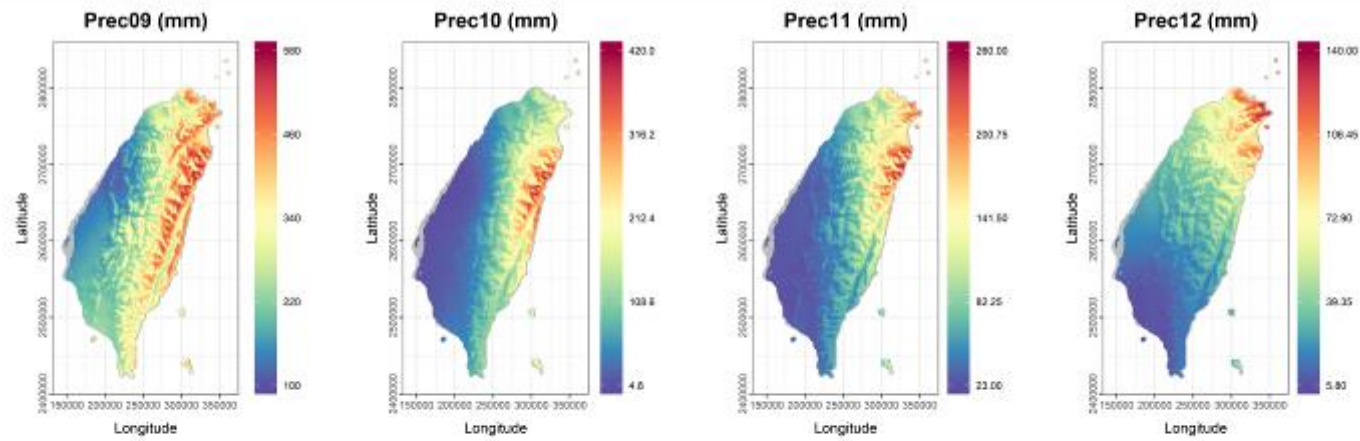
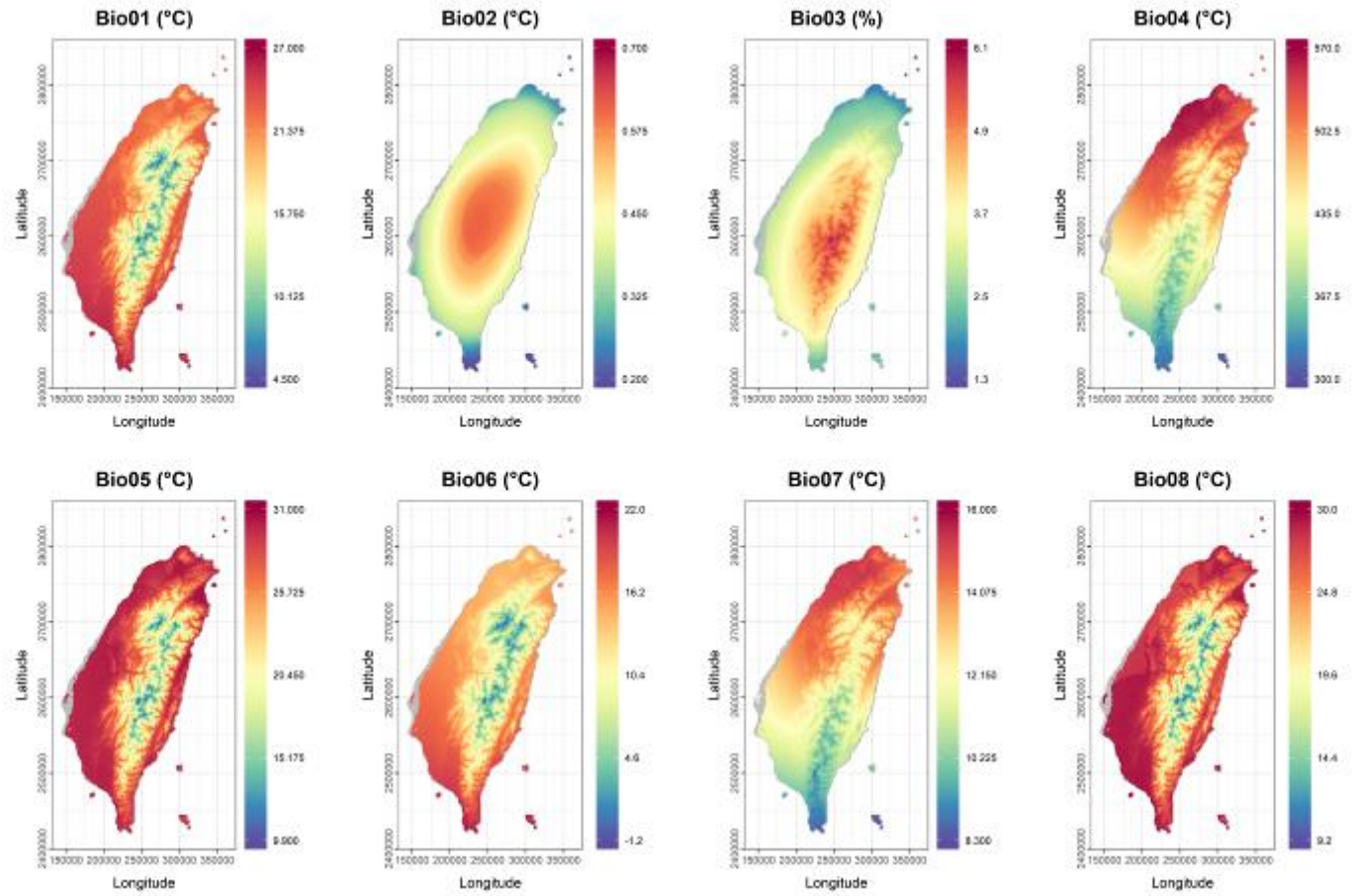
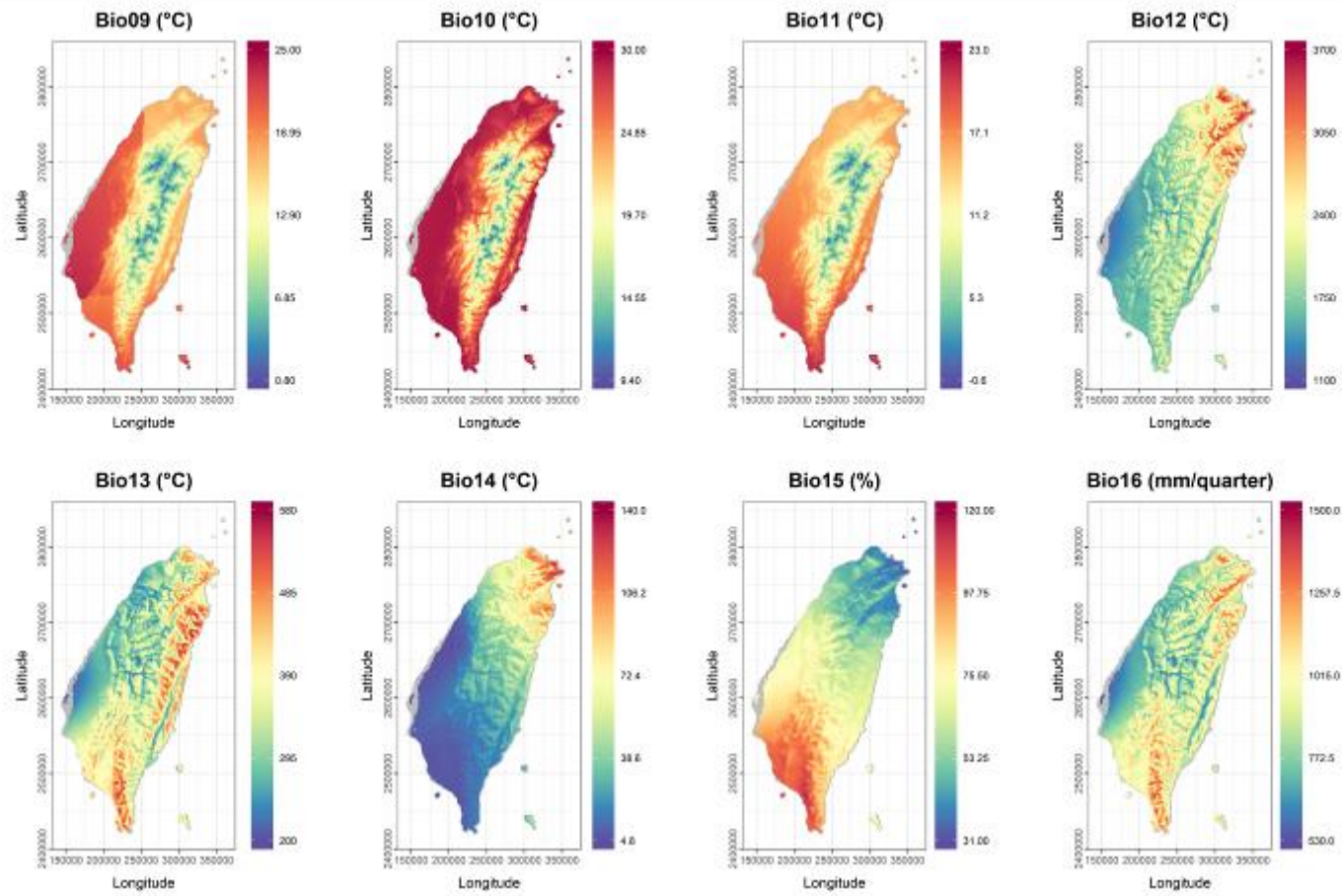


圖 9.5、1980 年代臺灣本島每月降水量圖，由左上至右下分別是 1 月至 12 月各月降水量圖。

Figure 9.5. The monthly precipitation sums of Taiwan proper in the 1980s, and there were maps of monthly precipitation sums from January (Pre01) to December (Pre12).





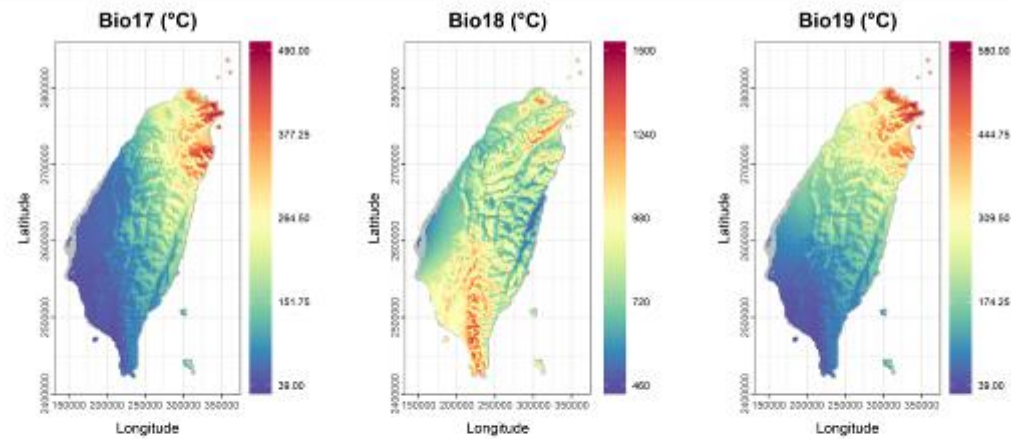
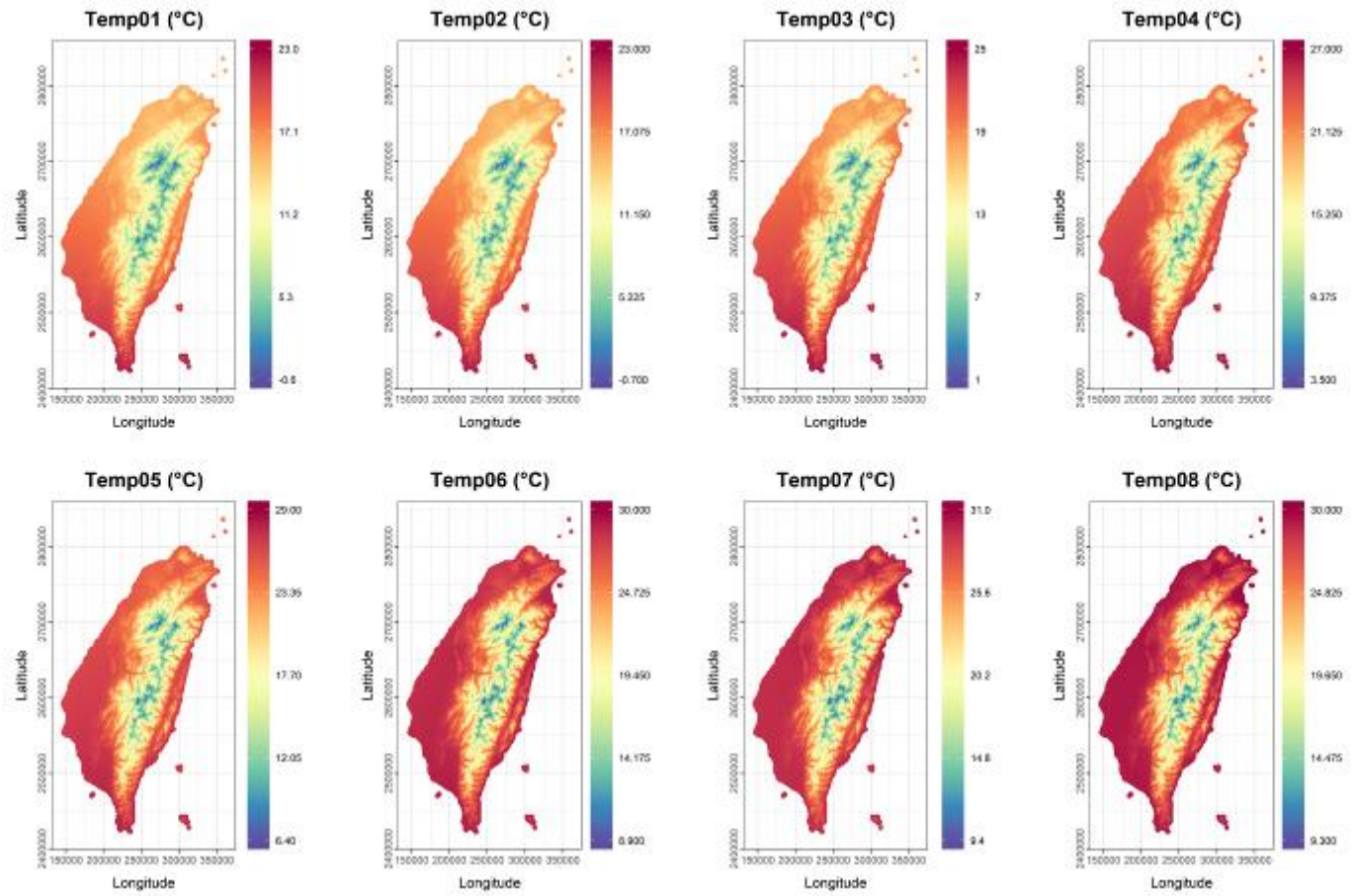


圖 9.6、1980 年代臺灣本島生物氣候變數圖，由左上至右下分別是年均溫 (Bio01)、平均日溫差 (Bio02)、溫度恆定性 (Bio03)、溫度季節性 (Bio04)、最暖月份之最高溫 (Bio05)、最冷月份之最低溫 (Bio06)、年溫差 (Bio07)、最潮濕季節之平均溫度 (Bio08)、最乾燥季節之平均溫度 (Bio09)、最溫暖季節之平均溫度 (Bio10)、最寒冷季節之平均溫度 (Bio11)、年降水量 (Bio12)、最潮濕月份之降水量 (Bio13)、最乾燥月份之降水量 (Bio14)、降水之季節性 (Bio15)、最潮濕季節之降水量 (Bio16)、最乾燥季節之降水量 (Bio17)、最溫暖季節之降水量 (Bio18)與最寒冷季節之降水量 (Bio19)。

Figure 9.6. Bioclimatic variables of Taiwan proper in the 1980s, which included the annual mean temperature (Bio01), mean diurnal range (Bio02), isothermality (Bio03), temperature seasonality (Bio04), max temperature of warmest month (Bio05), min temperature of coldest month (Bio06), temperature annual range (Bio07), mean temperature of wettest quarter (Bio08), mean temperature of driest quarter (Bio09), mean temperature of warmest quarter (Bio10), mean temperature of coldest quarter (Bio11), annual precipitation (Bio12), precipitation of wettest month (Bio13), precipitation of driest month (Bio14), precipitation seasonality (Bio15), precipitation of wettest quarter (Bio16), precipitation of driest quarter (Bio17), precipitation of warmest quarter (Bio18) and precipitation of coldest quarter (Bio19).



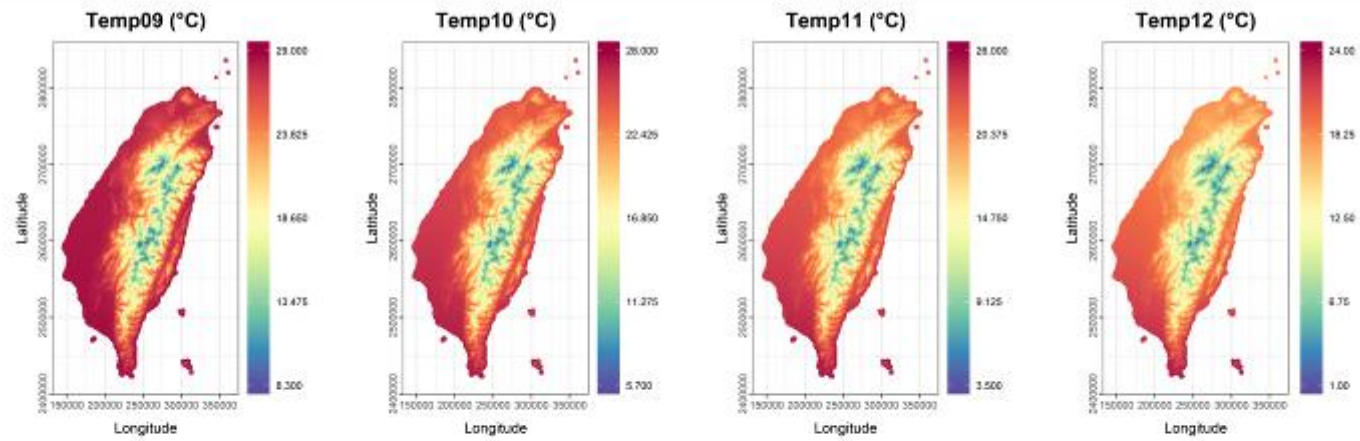
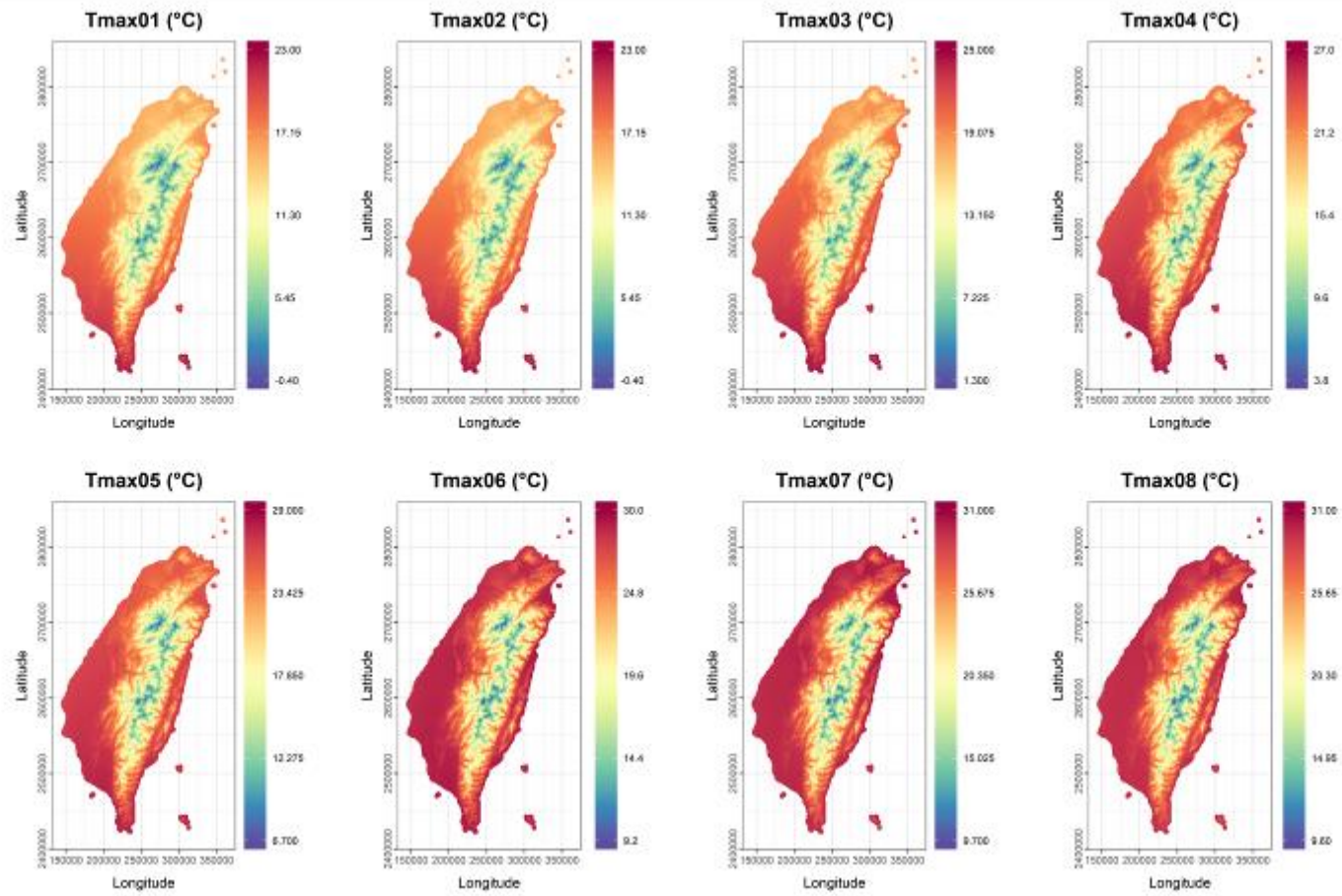


圖 10.1、1990 年代臺灣本島每月均溫圖，由左上至右下分別是 1 月至 12 月各月均溫。

Figure 10.1. The mean monthly temperature of Taiwan proper in the 1990s, and there were maps of monthly mean of daily mean temperature from January (Temp01) to December (Temp12).



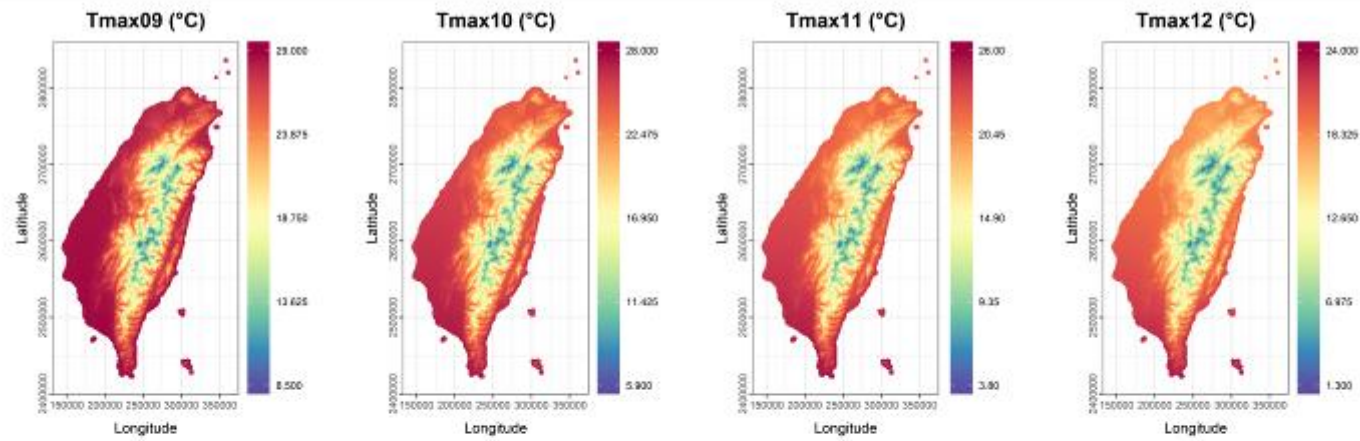
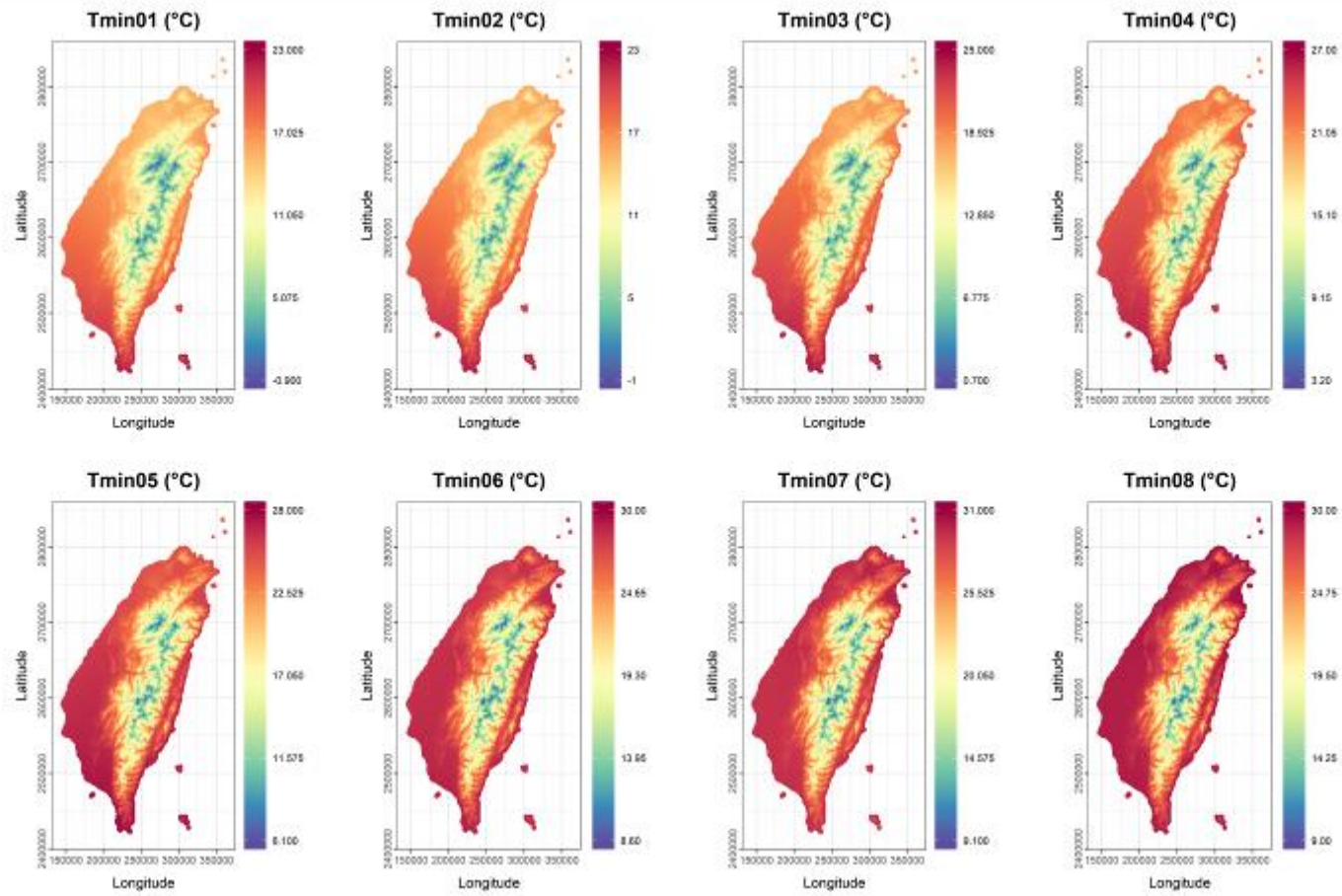


圖 10.2、1990 年代臺灣本島每月高溫圖，由左上至右下分別是 1 月至 12 月各月高溫。

Figure 10.2. The maximum monthly temperature of Taiwan proper in the 1990s, and there were maps of monthly mean of daily maximum temperature from January (Tmax01) to December (Tmax12).



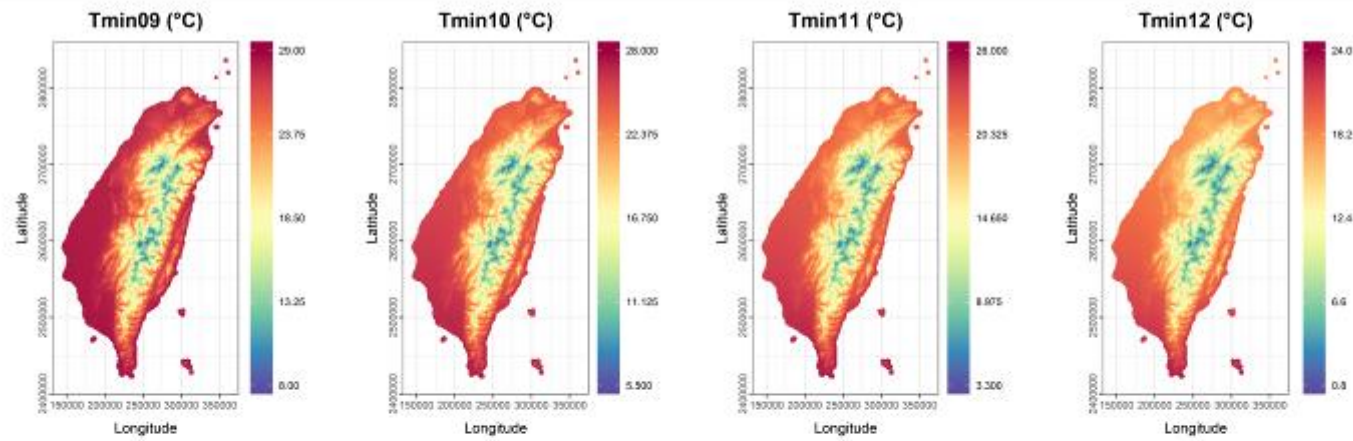
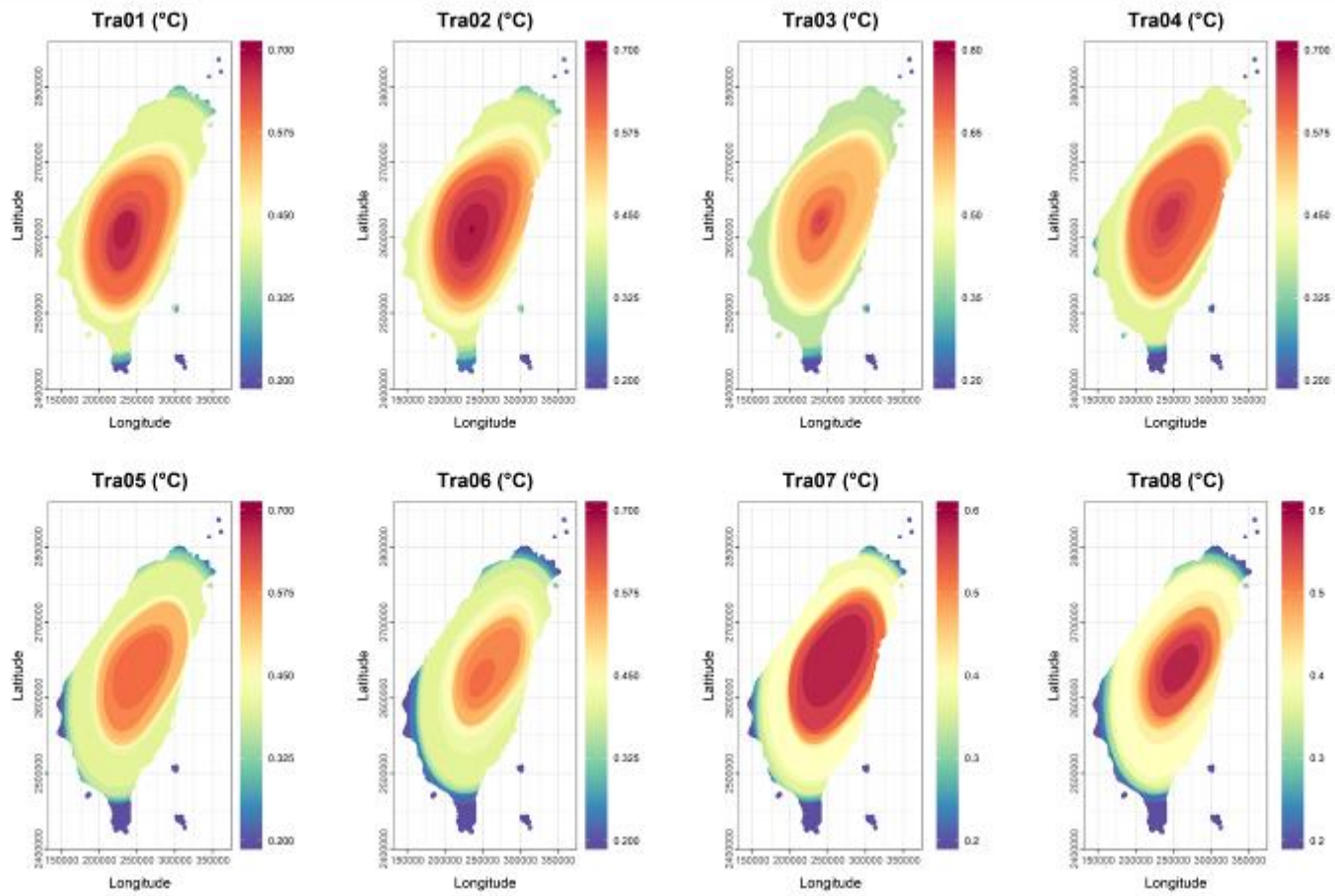


圖 10.3、1990 年代臺灣本島每月低溫圖，由左上至右下分別是 1 月至 12 月各月低溫。

Figure 10.3. The minimum monthly temperature of Taiwan proper in the 1990s, and there were maps of monthly mean of daily minimum temperature from January (Tmin01) to December (Tmin12).



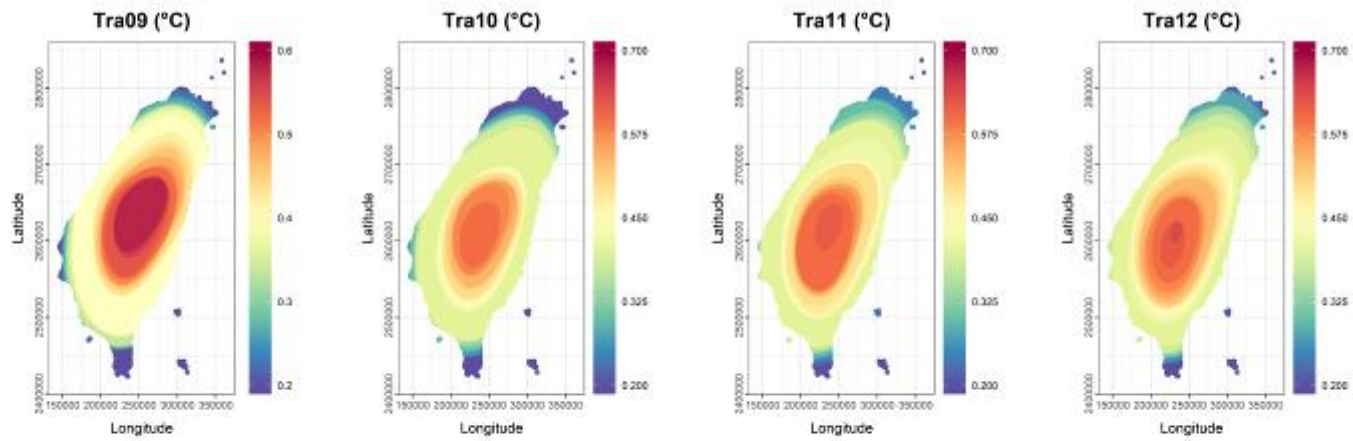
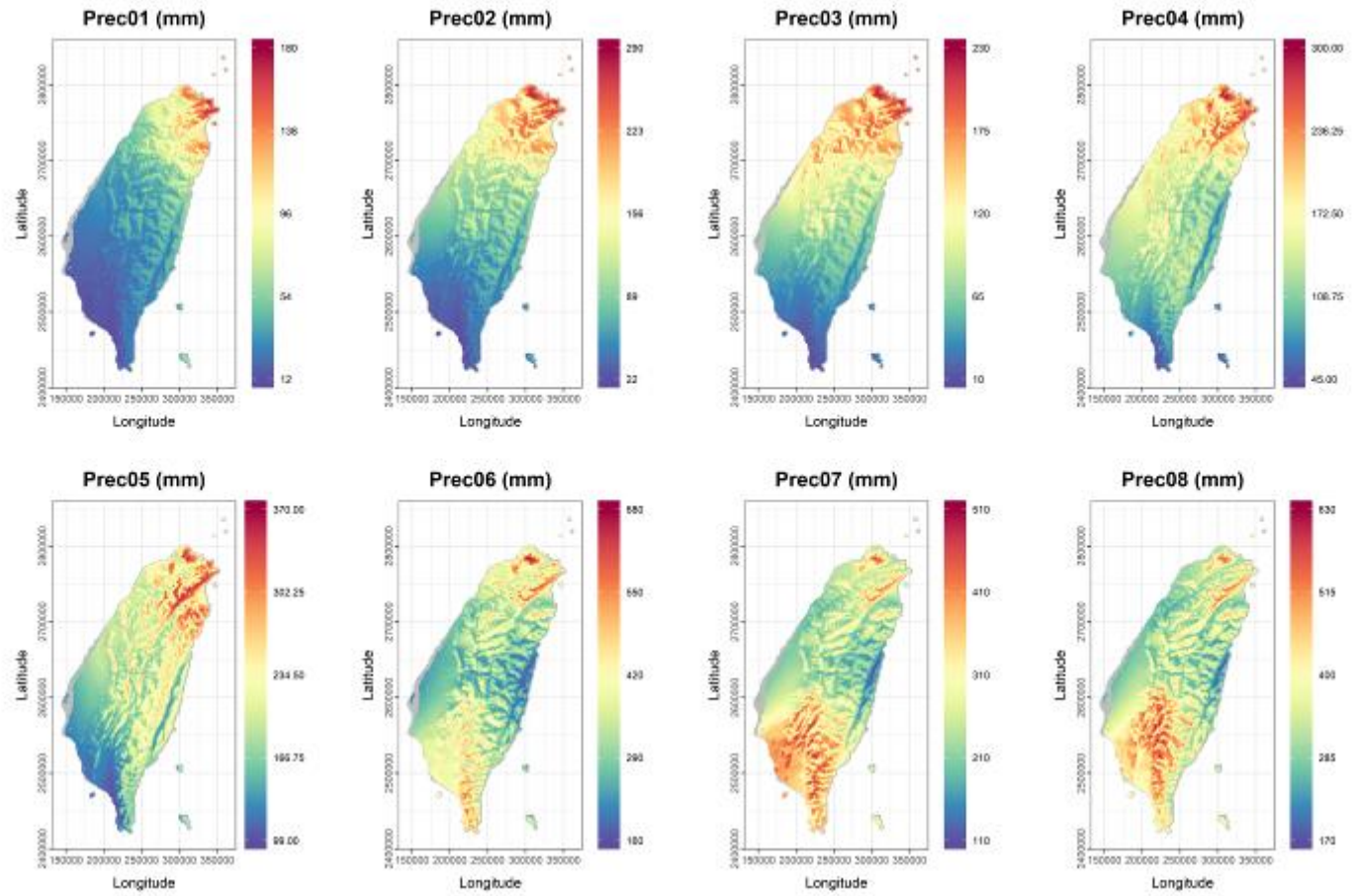


圖 10.4、1990 年代臺灣本島每月平均日溫差圖，由左上至右下分別是 1 月至 12 月各月每平均日溫差圖。

Figure 10.4. The range of maximum and minimum monthly temperature of Taiwan proper in the 1990s, and there were maps of the range of maximum and minimum monthly temperature from January (Tra01) to December (Tra12).



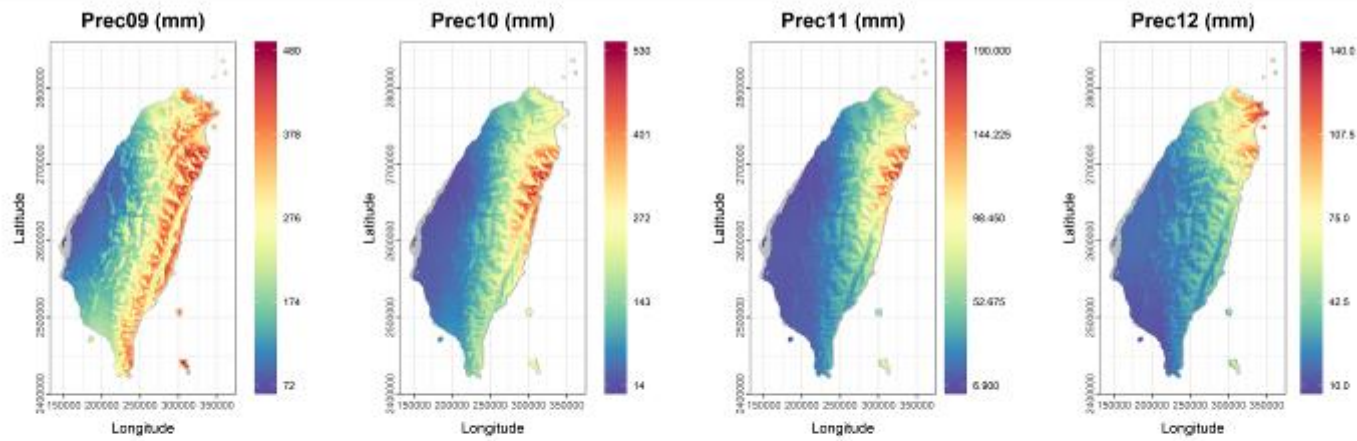
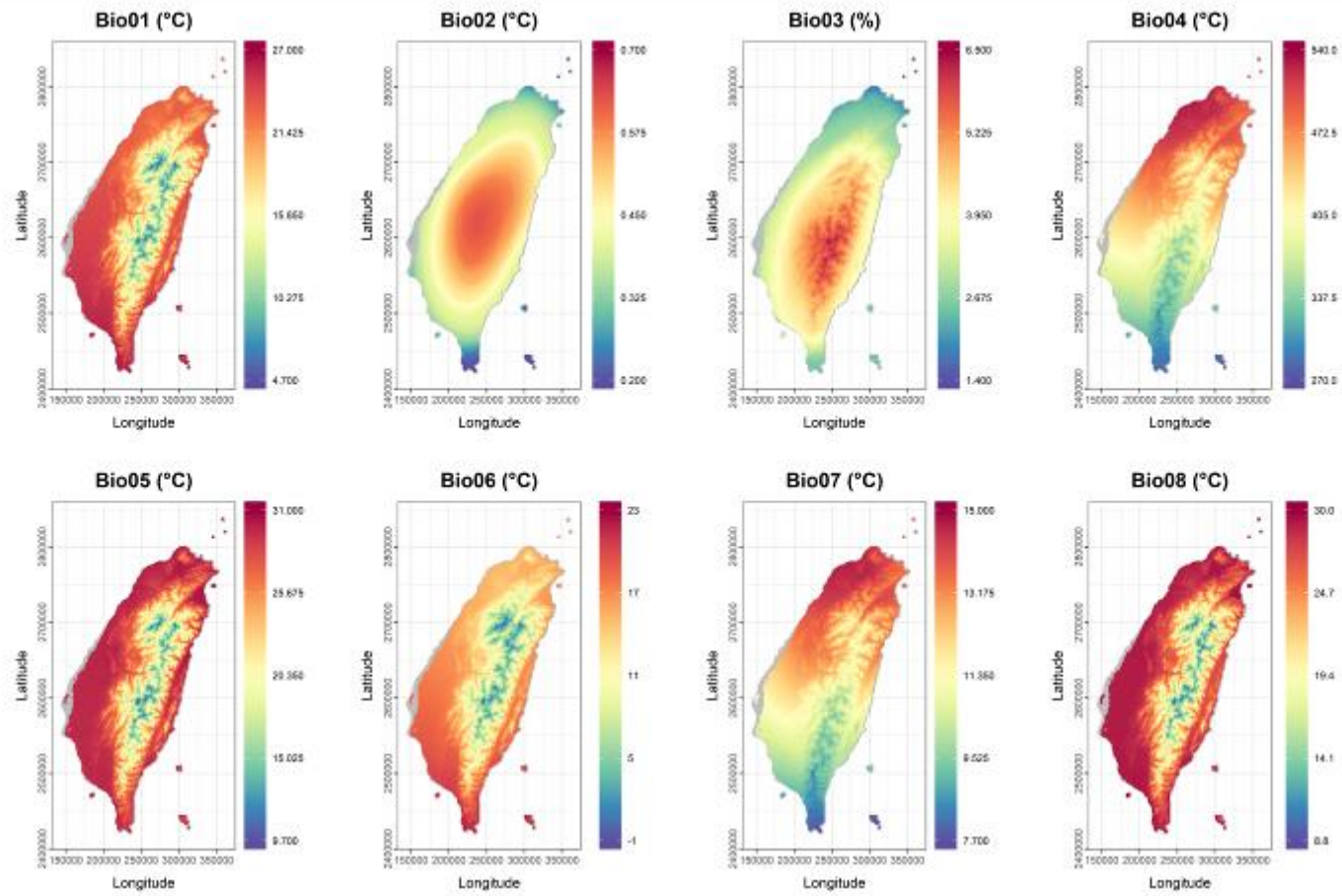
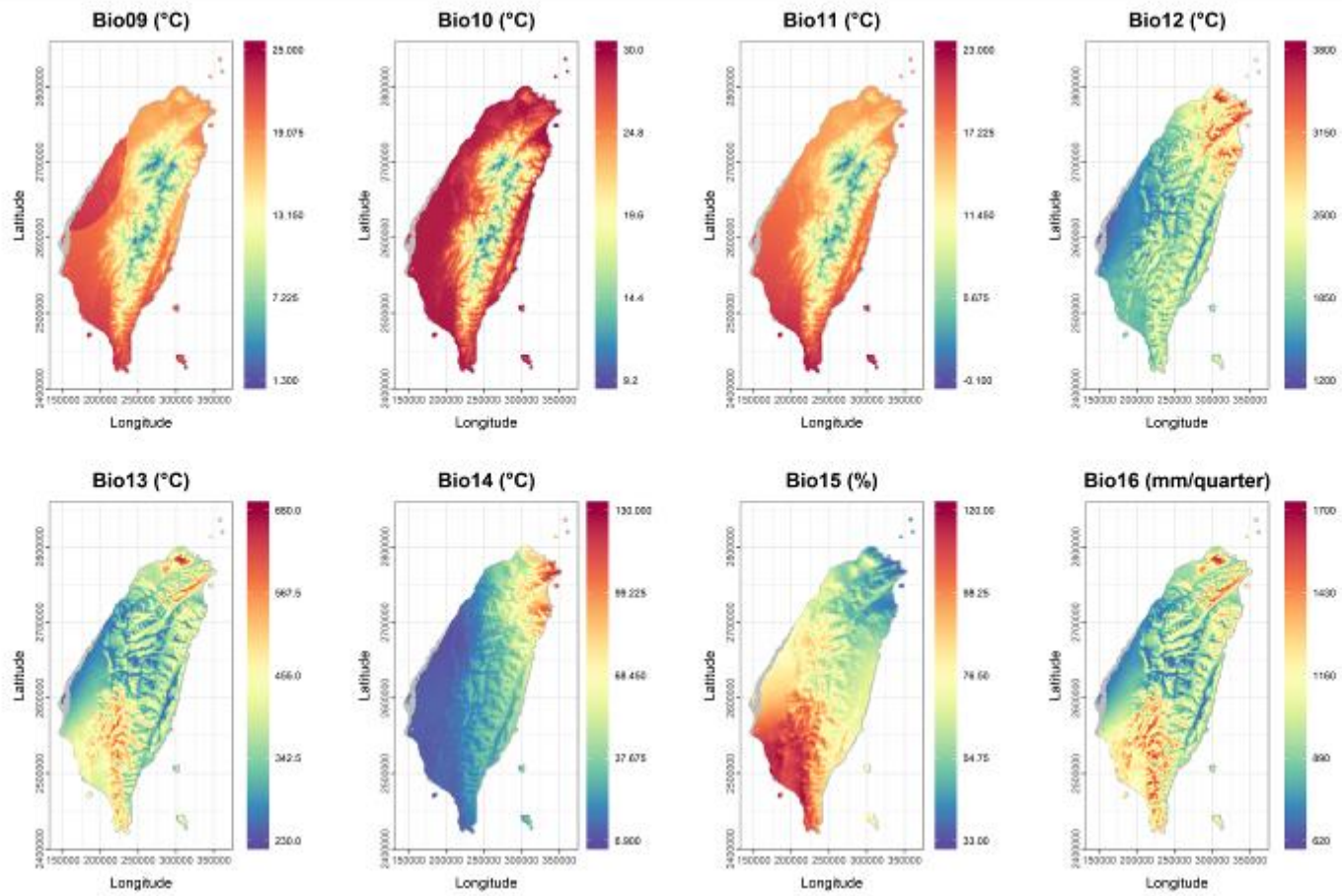


圖 10.5、1990 年代臺灣本島每月降水量圖，由左上至右下分別是 1 月至 12 月各月降水量圖。

Figure 10.5. The monthly precipitation sums of Taiwan proper in 1990s, and there were maps of monthly precipitation sums from January (Pre01) to December (Pre12).





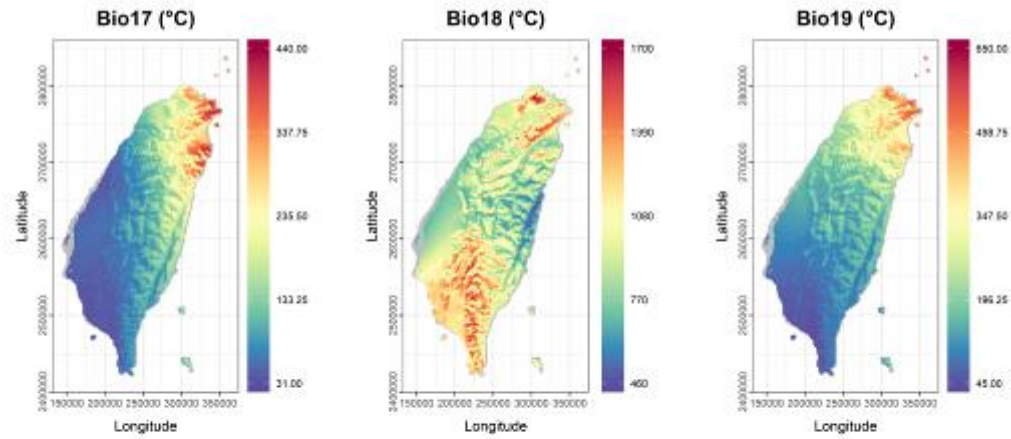
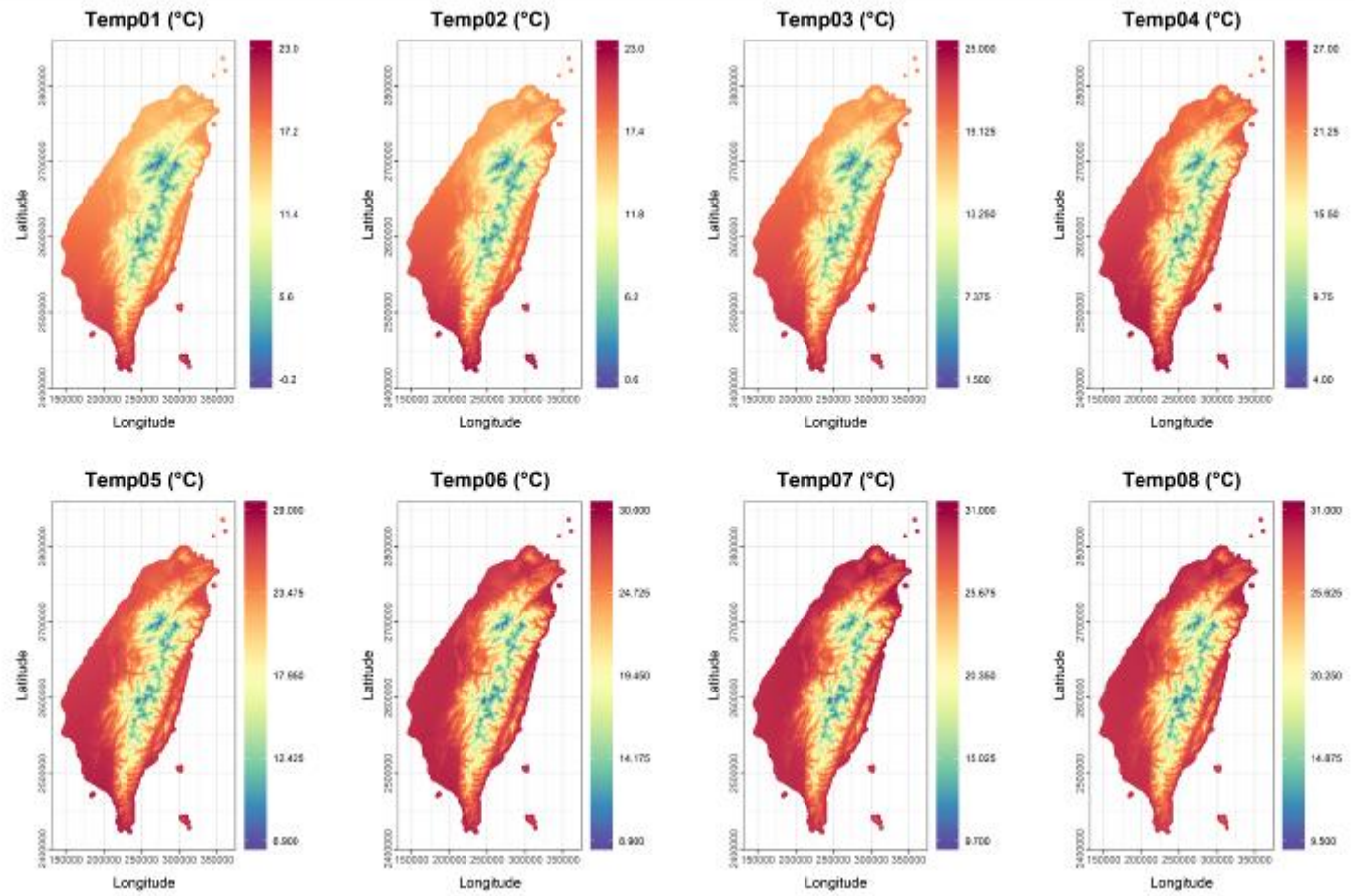


圖 10.6、1990 年代臺灣本島生物氣候變數圖，由左上至右下分別是年均溫 (Bio01)、平均日溫差 (Bio02)、溫度恆定性 (Bio03)、溫度季節性 (Bio04)、最暖月份之最高溫 (Bio05)、最冷月份之最低溫 (Bio06)、年溫差 (Bio07)、最潮濕季節之平均溫度 (Bio08)、最乾燥季節之平均溫度 (Bio09)、最溫暖季節之平均溫度 (Bio10)、最寒冷季節之平均溫度 (Bio11)、年降水量 (Bio12)、最潮濕月份之降水量 (Bio13)、最乾燥月份之降水量 (Bio14)、降水之季節性 (Bio15)、最潮濕季節之降水量 (Bio16)、最乾燥季節之降水量 (Bio17)、最溫暖季節之降水量 (Bio18)與最寒冷季節之降水量 (Bio19)。

Figure 10.6. Bioclimatic variables of Taiwan proper in the 1990s, which included the annual mean temperature (Bio01), mean diurnal range (Bio02), isothermality (Bio03), temperature seasonality (Bio04), max temperature of warmest month (Bio05), min temperature of coldest month (Bio06), temperature annual range (Bio07), mean temperature of wettest quarter (Bio08), mean temperature of driest quarter (Bio09), mean temperature of warmest quarter (Bio10), mean temperature of coldest quarter (Bio11), annual precipitation (Bio12), precipitation of wettest month (Bio13), precipitation of driest month (Bio14), precipitation seasonality (Bio15), precipitation of wettest quarter (Bio16), precipitation of driest quarter (Bio17), precipitation of warmest quarter (Bio18) and precipitation of coldest quarter (Bio19).



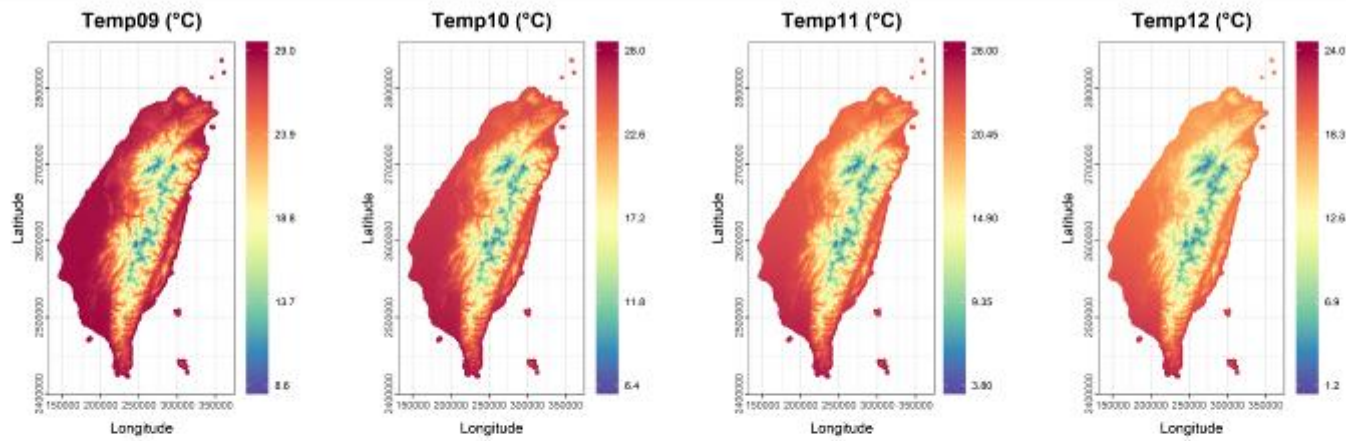
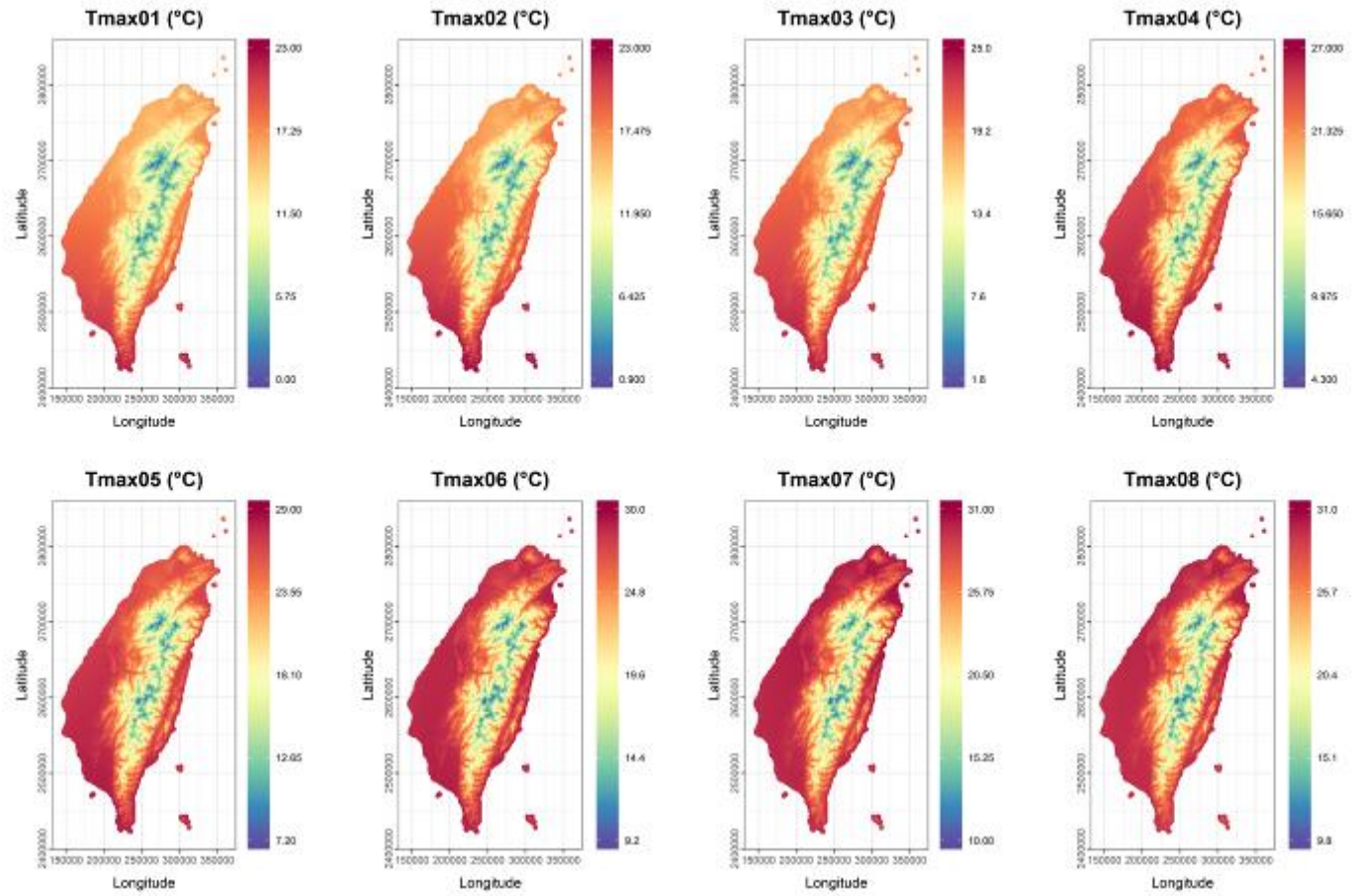


圖 11.1、2000 年代臺灣本島每月均溫圖，由左上至右下分別是 1 月至 12 月各月均溫。

Figure 11.1. The mean monthly temperature of Taiwan proper in the 2000s, and there were maps of monthly mean of daily mean temperature from January (Temp01) to December (Temp12).



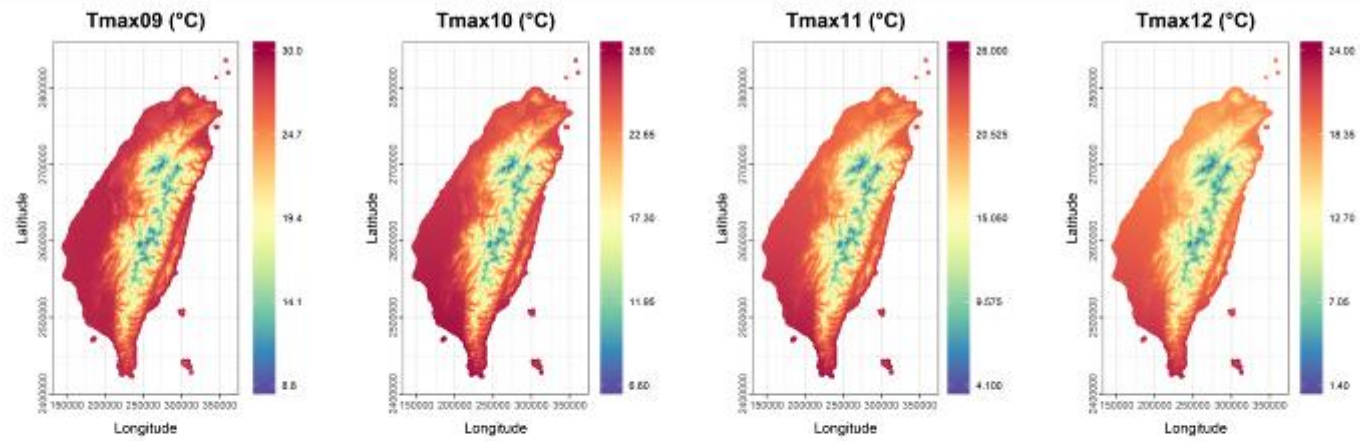
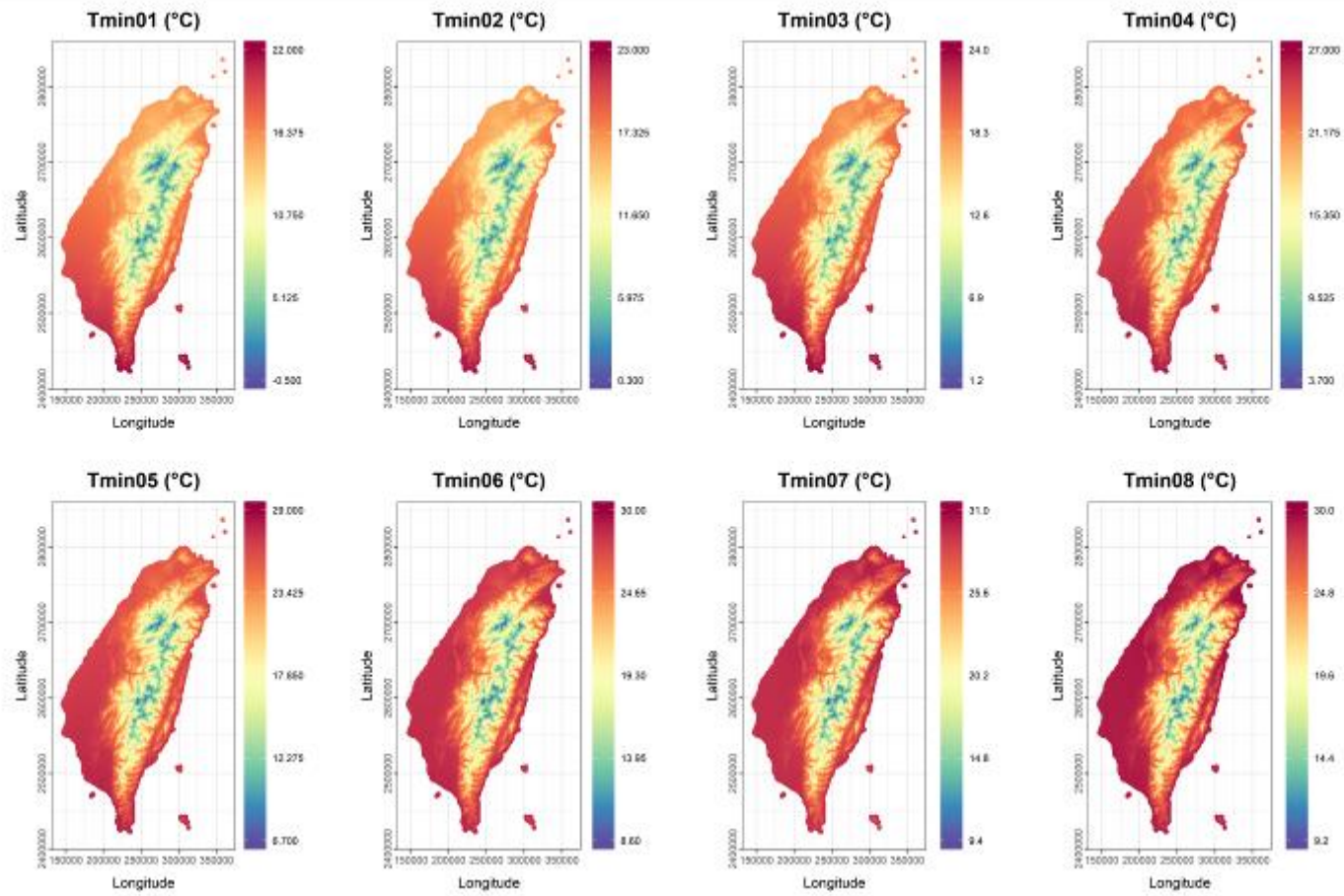


圖 11.2、2000 年代臺灣本島每月高溫圖，由左上至右下分別是 1 月至 12 月各月高溫。

Figure 11.2. The maximum monthly temperature of Taiwan proper in the 2000s, and there were maps of monthly mean of daily maximum temperature from January (Tmax01) to December (Tmax12).



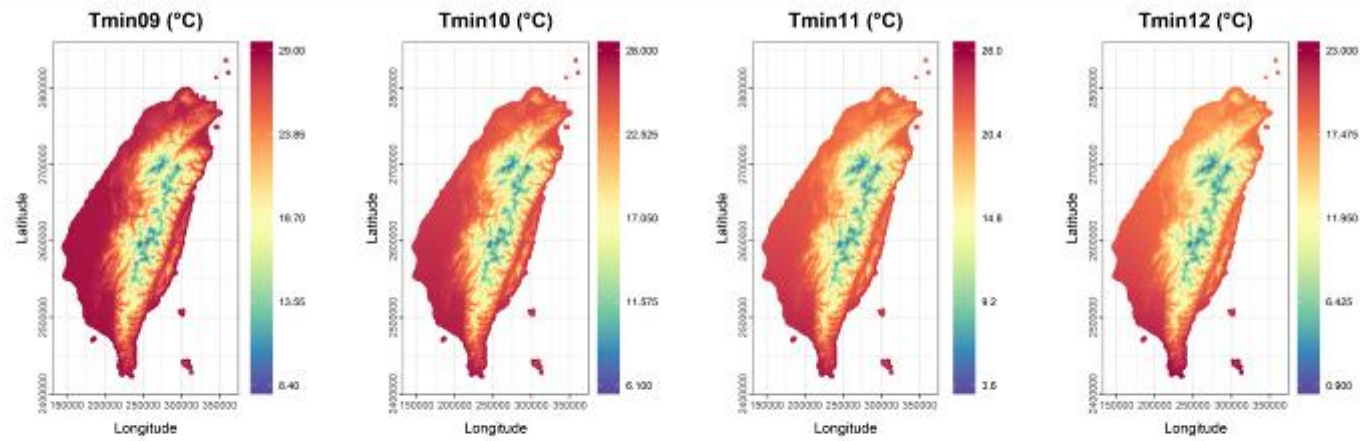
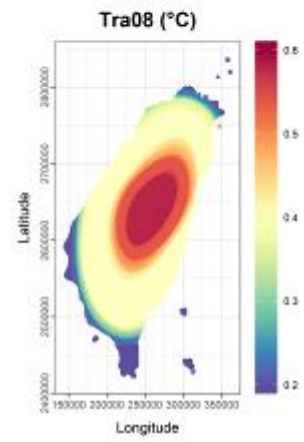
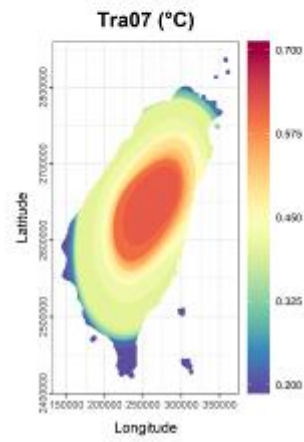
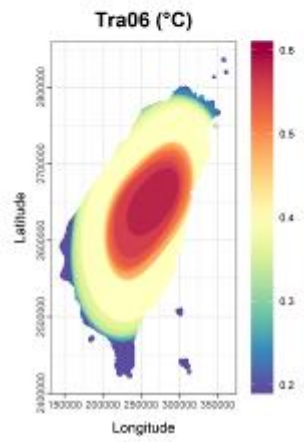
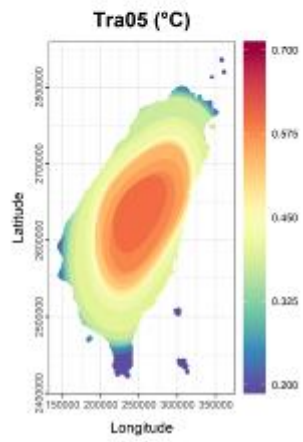
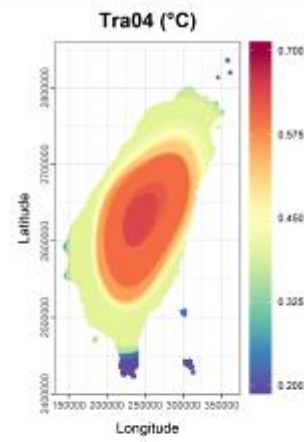
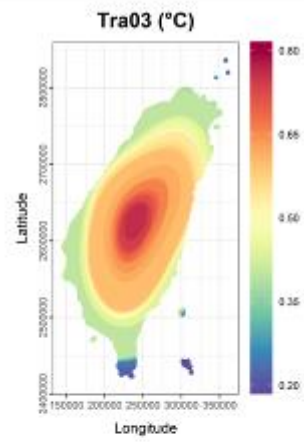
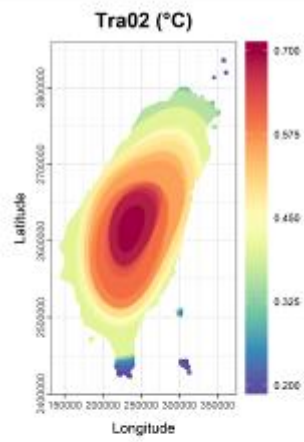
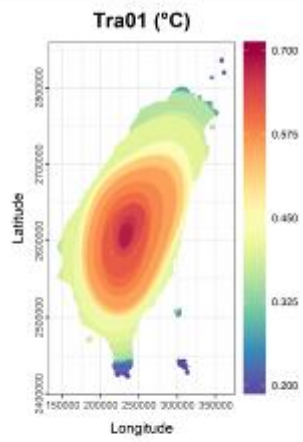


圖 11.3、2000 年代臺灣本島每月低溫圖，由左上至右下分別是 1 月至 12 月各月低溫。

Figure 11.3. The minimum monthly temperature of Taiwan proper in the 2000s, and there were maps of monthly mean of daily minimum temperature from January (Tmin01) to December (Tmin12).



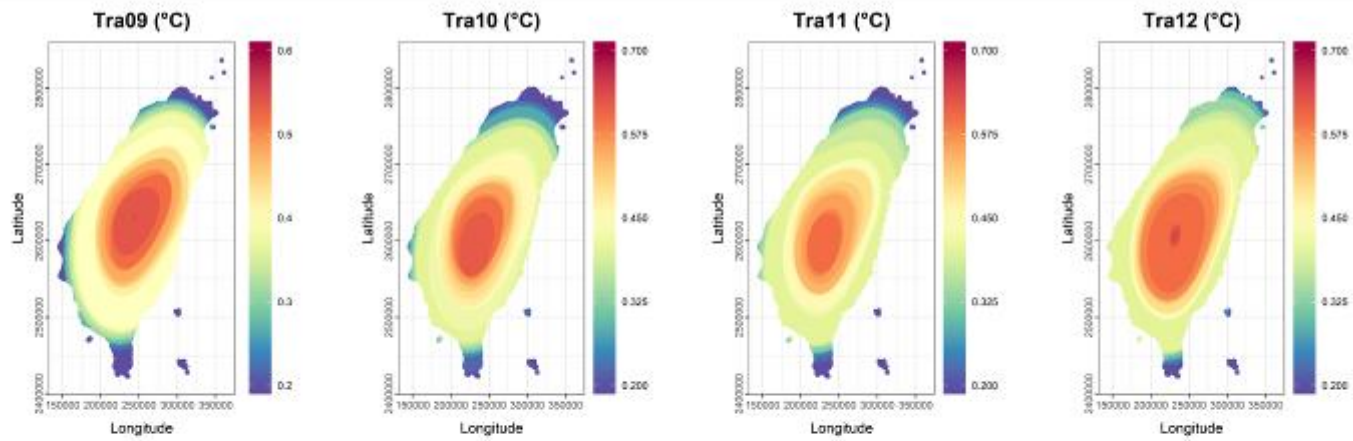
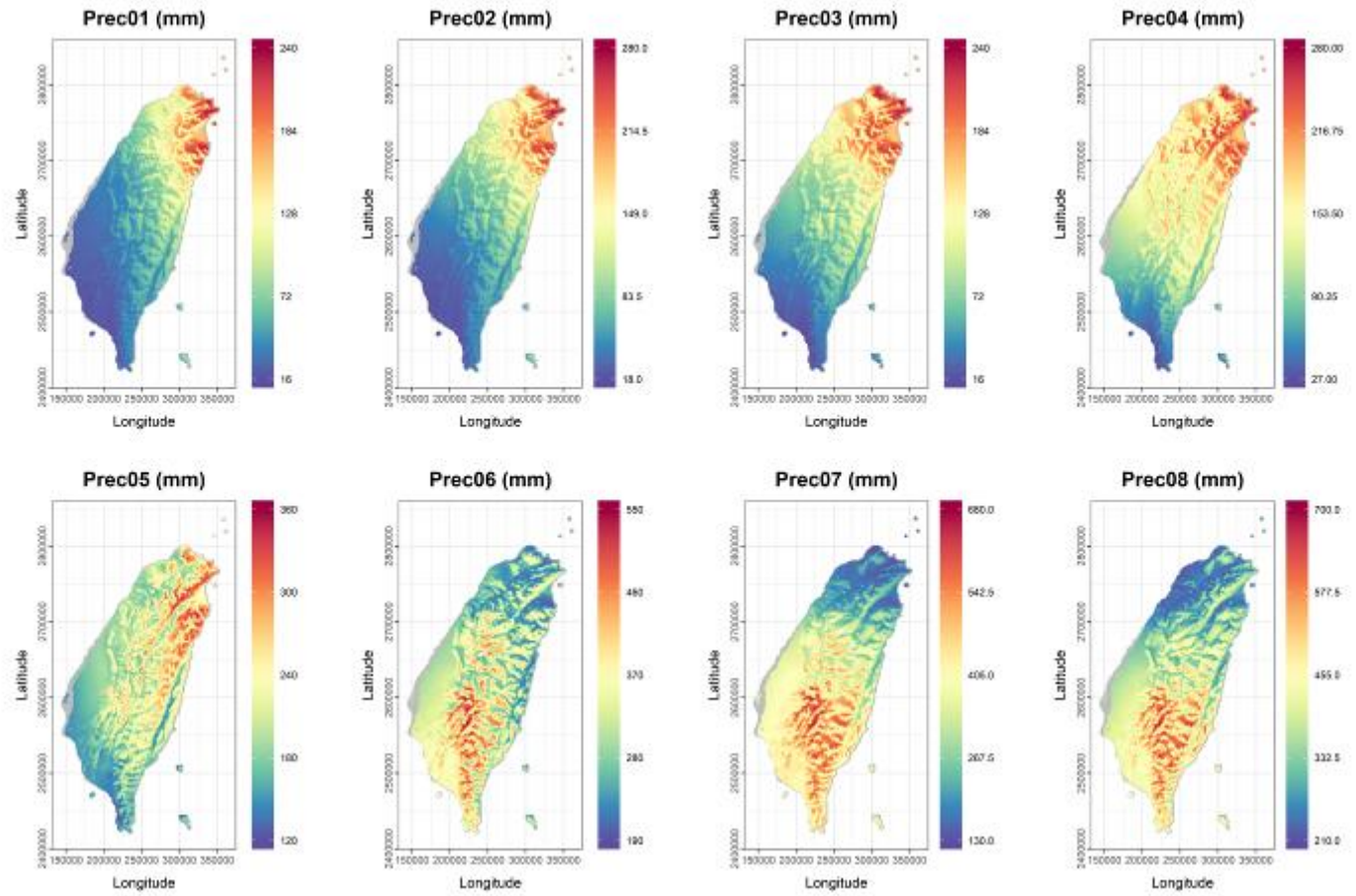


圖 11.4、2000 年代臺灣本島每月平均日溫差圖，由左上至右下分別是 1 月至 12 月各月每平均日溫差圖。

Figure 11.4. The range of maximum and minimum monthly temperature of Taiwan proper in the 2000s, and there were maps of the range of maximum and minimum monthly temperature from January (Tra01) to December (Tra12).



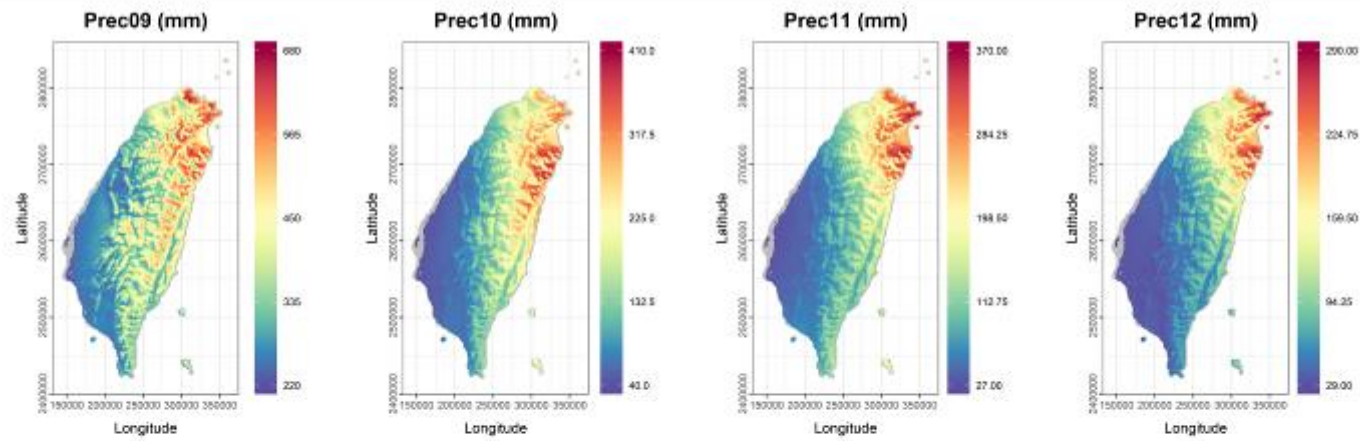
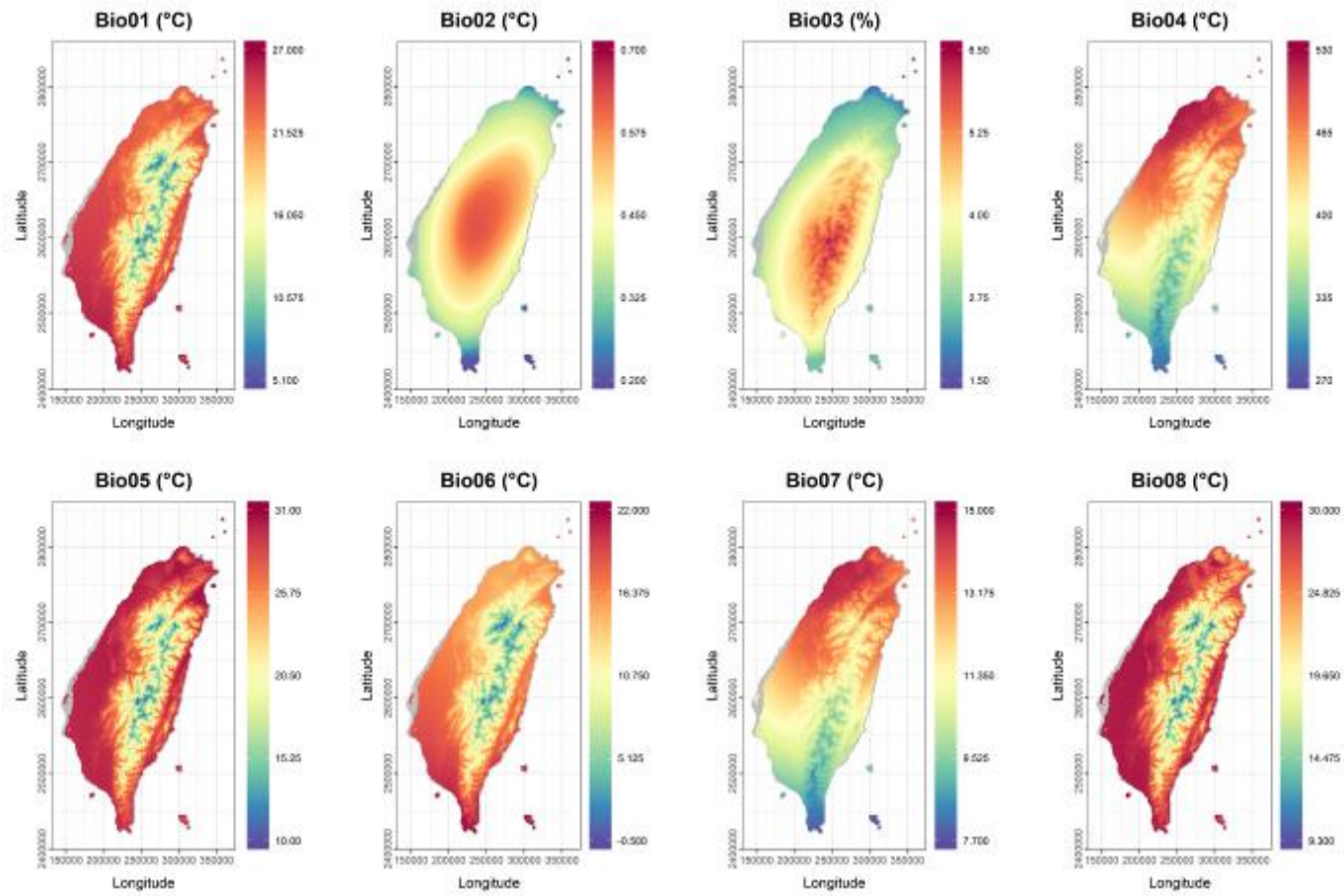
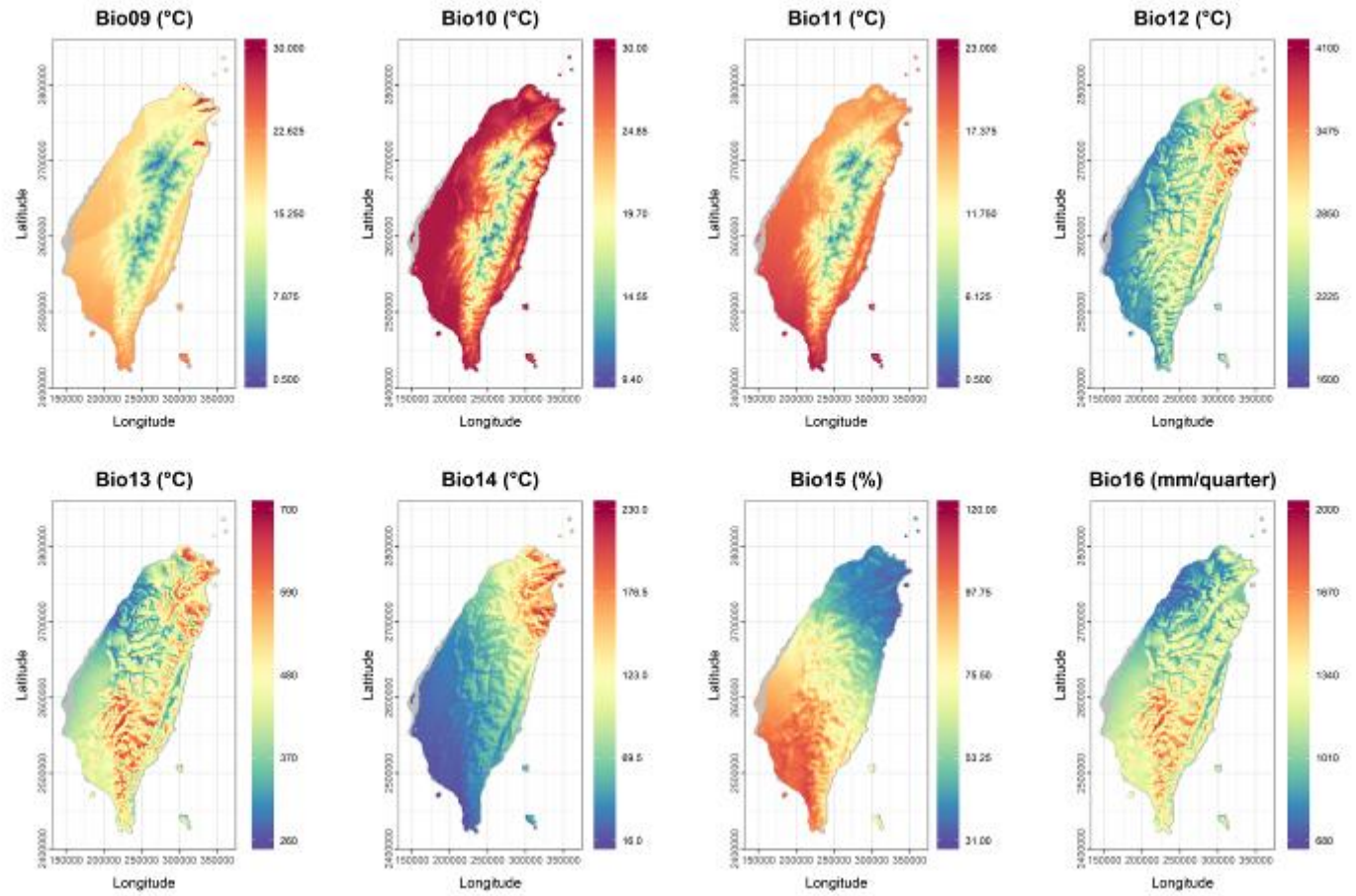


圖 11.5、2000 年代臺灣本島每月降水量圖，由左上至右下分別是 1 月至 12 月各月降水量圖。

Figure 11.5. The monthly precipitation sums of Taiwan proper in the 2000s, and there were maps of monthly precipitation sums from January (Pre01) to December (Pre12).





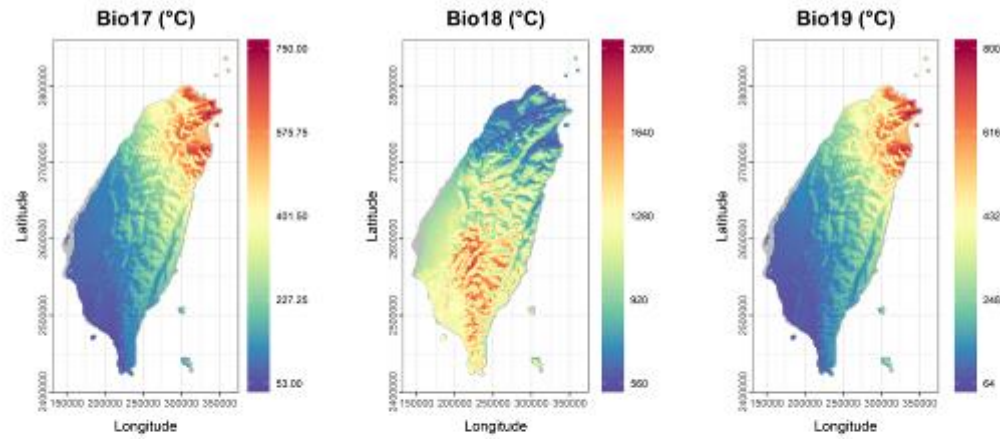
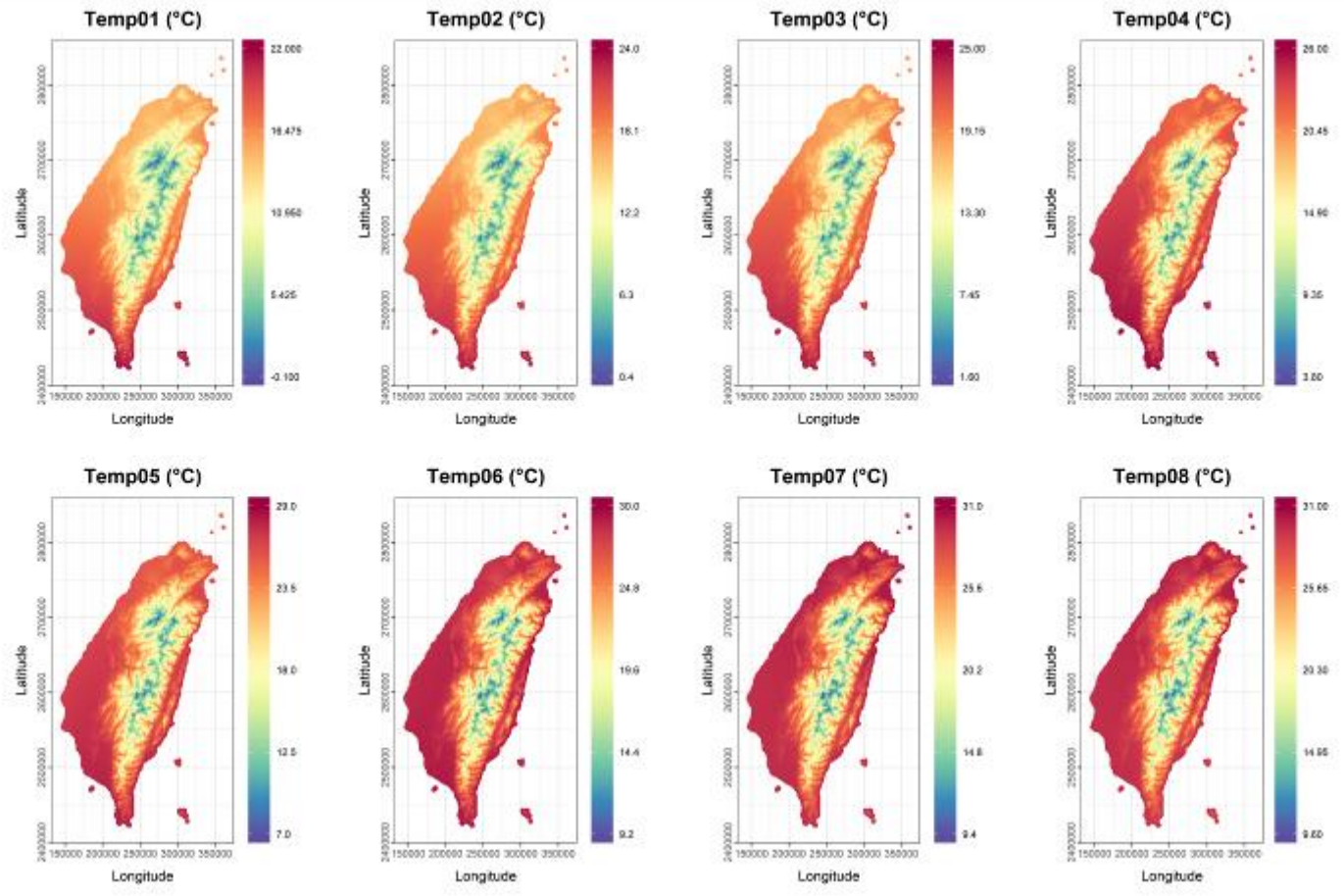


圖 11.6、2000 年代臺灣本島生物氣候變數圖，由左上至右下分別是年均溫 (Bio01)、平均日溫差 (Bio02)、溫度恆定性 (Bio03)、溫度季節性 (Bio04)、最暖月份之最高溫 (Bio05)、最冷月份之最低溫 (Bio06)、年溫差 (Bio07)、最潮濕季節之平均溫度 (Bio08)、最乾燥季節之平均溫度 (Bio09)、最溫暖季節之平均溫度 (Bio10)、最寒冷季節之平均溫度 (Bio11)、年降水量 (Bio12)、最潮濕月份之降水量 (Bio13)、最乾燥月份之降水量 (Bio14)、降水之季節性 (Bio15)、最潮濕季節之降水量 (Bio16)、最乾燥季節之降水量 (Bio17)、最溫暖季節之降水量 (Bio18)與最寒冷季節之降水量 (Bio19)。

Figure 11.6. Bioclimatic variables of Taiwan proper in the 2000s, which included the annual mean temperature (Bio01), mean diurnal range (Bio02), isothermality (Bio03), temperature seasonality (Bio04), max temperature of warmest month (Bio05), min temperature of coldest month (Bio06), temperature annual range (Bio07), mean temperature of wettest quarter (Bio08), mean temperature of driest quarter (Bio09), mean temperature of warmest quarter (Bio10), mean temperature of coldest quarter (Bio11), annual precipitation (Bio12), precipitation of wettest month (Bio13), precipitation of driest month (Bio14), precipitation seasonality (Bio15), precipitation of wettest quarter (Bio16), precipitation of driest quarter (Bio17), precipitation of warmest quarter (Bio18) and precipitation of coldest quarter (Bio19).



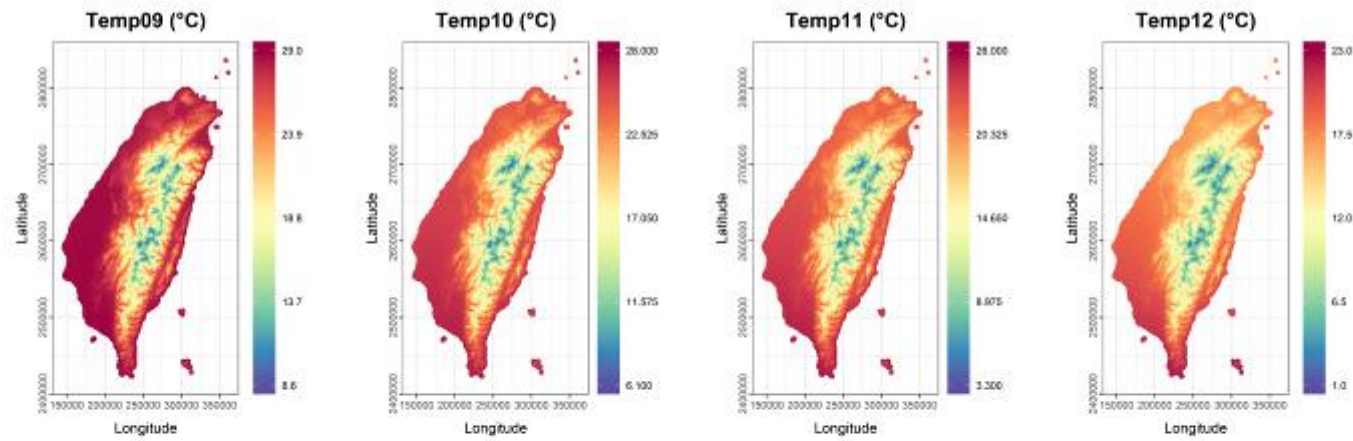
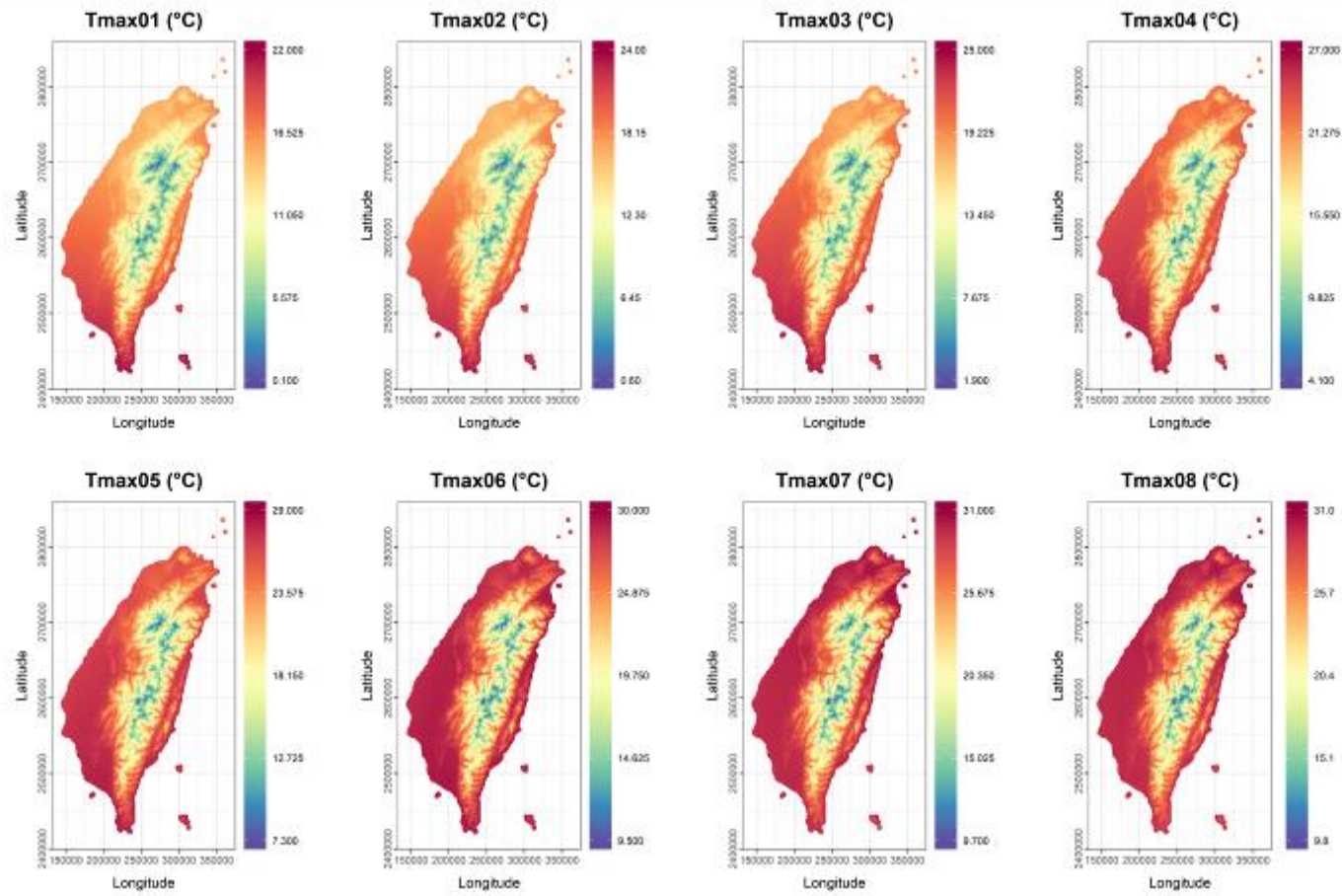


圖 12.1、2010 年代臺灣本島每月均溫圖，由左上至右下分別是 1 月至 12 月各月均溫。

Figure 12.1. The mean monthly temperature of Taiwan proper in the 2010s, and there were maps of monthly mean of daily mean temperature from January (Temp01) to December (Temp12).



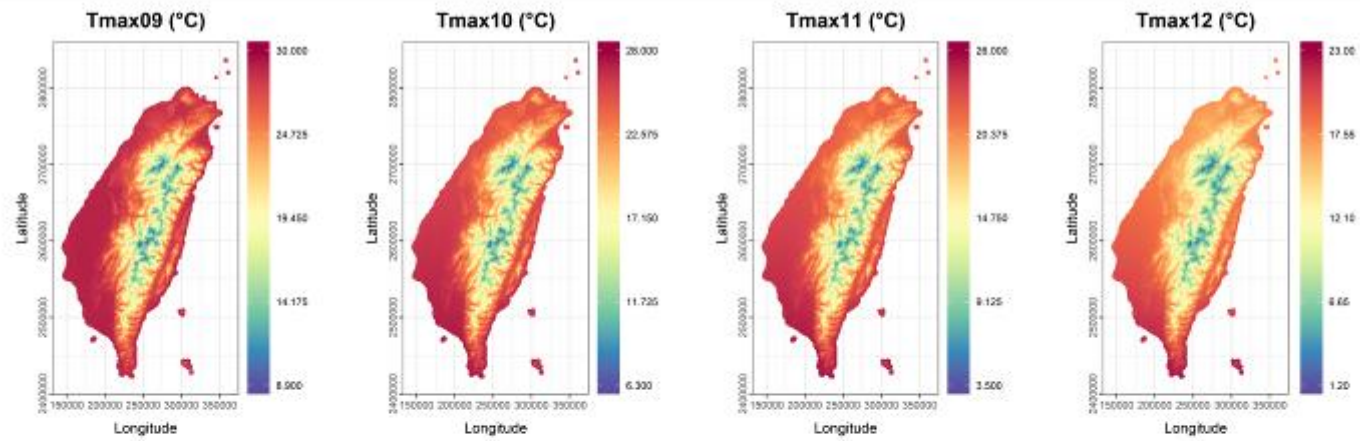
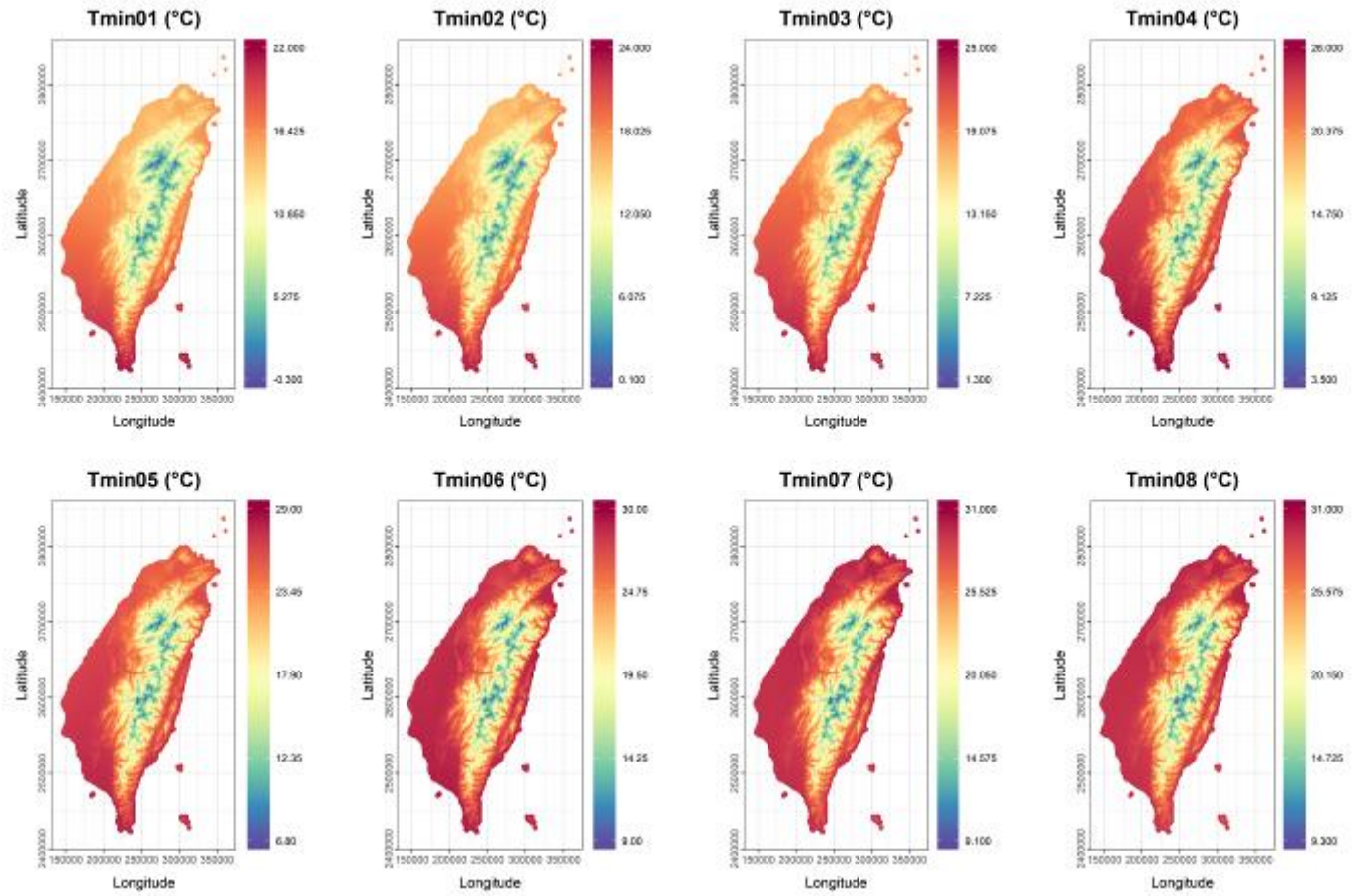


圖 12.2、2010 年代臺灣本島每月高溫圖，由左上至右下分別是 1 月至 12 月各月高溫。

Figure 12.2. The maximum monthly temperature of Taiwan proper in the 2010s, and there were maps of monthly mean of daily maximum temperature from January (Tmax01) to December (Tmax12).



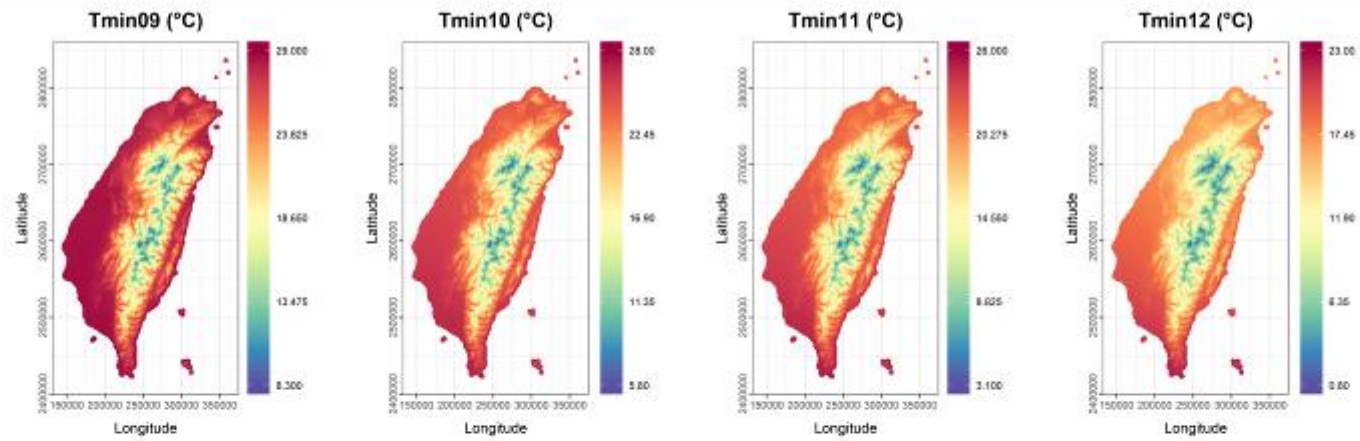
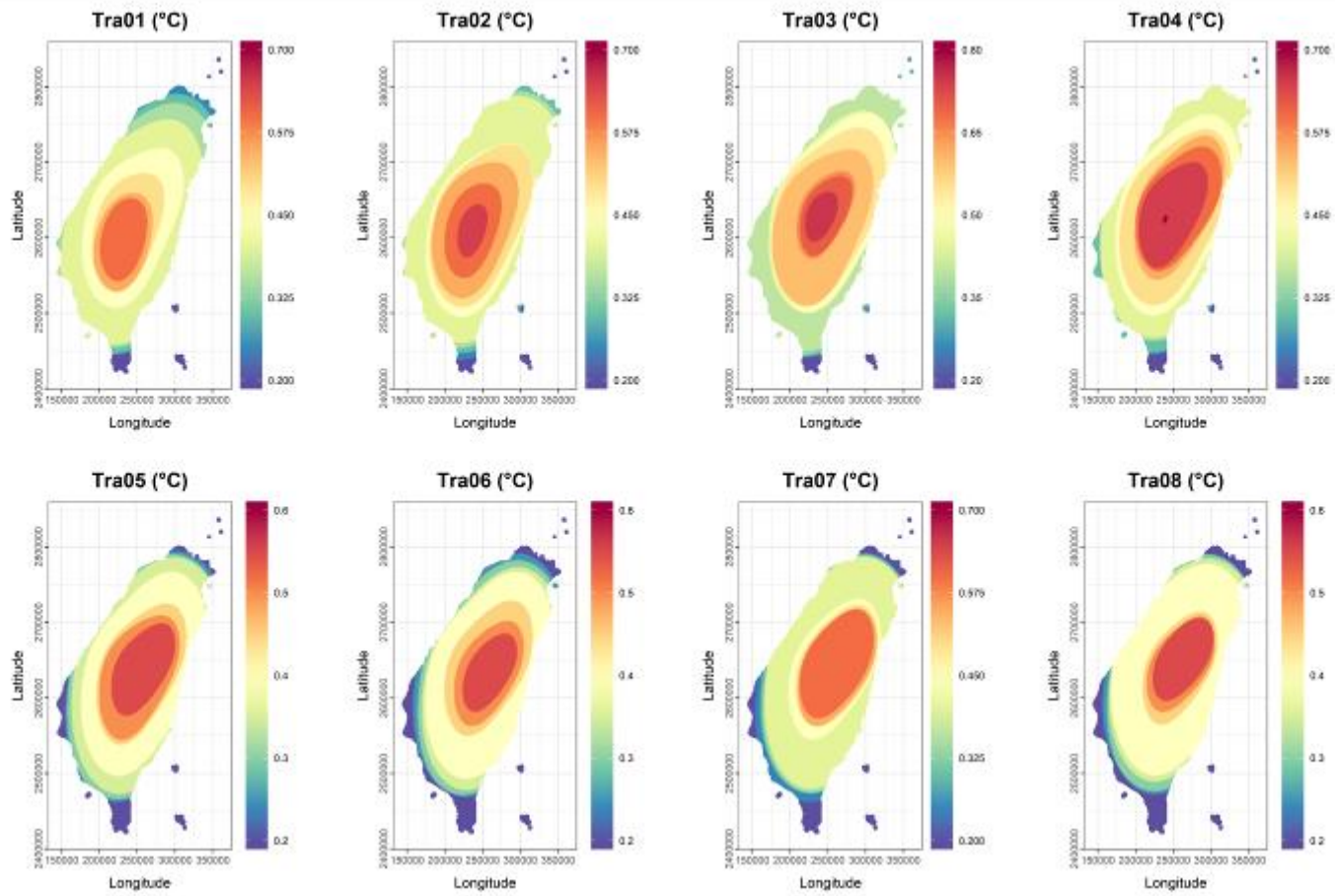


圖 12.3、2010 年代臺灣本島每月低溫圖，由左上至右下分別是 1 月至 12 月各月低溫。

Figure 12.3. The minimum monthly temperature of Taiwan proper in the 2010s, and there were maps of monthly mean of daily minimum temperature from January (Tmin01) to December (Tmin12).



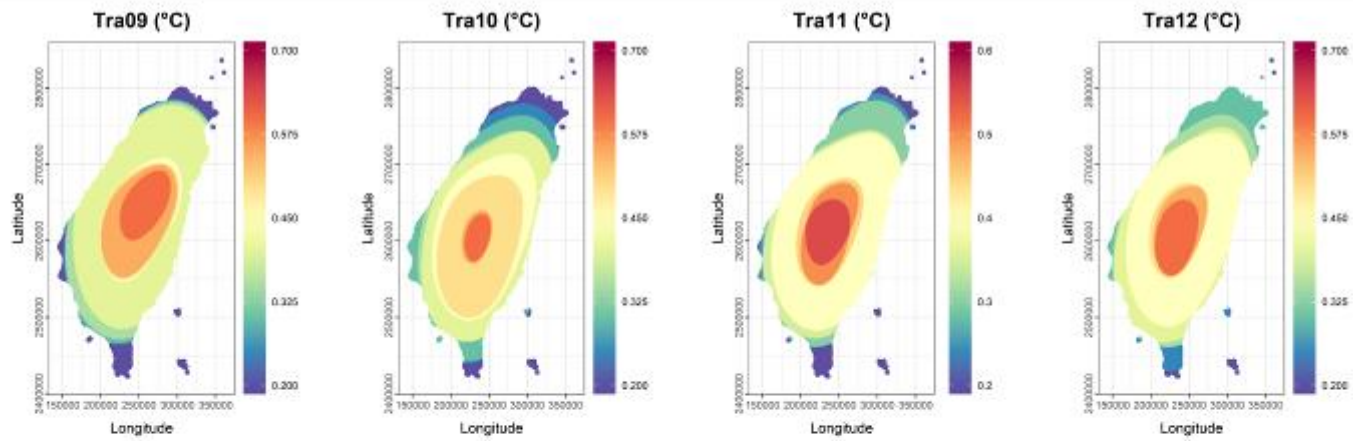
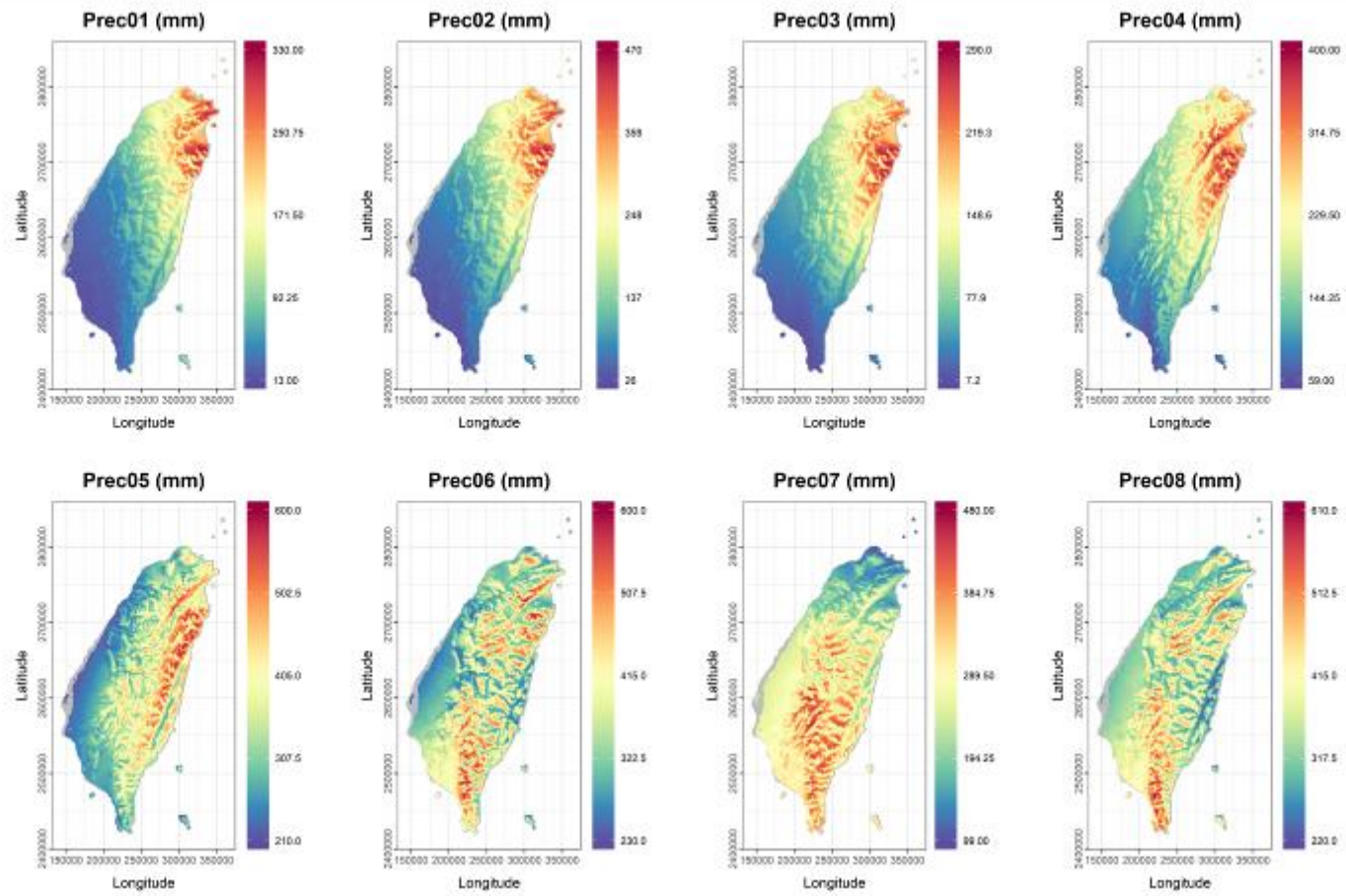


圖 12.4、2010 年代臺灣本島每月平均日溫差圖，由左上至右下分別是 1 月至 12 月各月每平均日溫差圖。

Figure 12.4. The range of maximum and minimum monthly temperature of Taiwan proper in the 2010s, and there were maps of the range of maximum and minimum monthly temperature from January (Tra01) to December (Tra12).



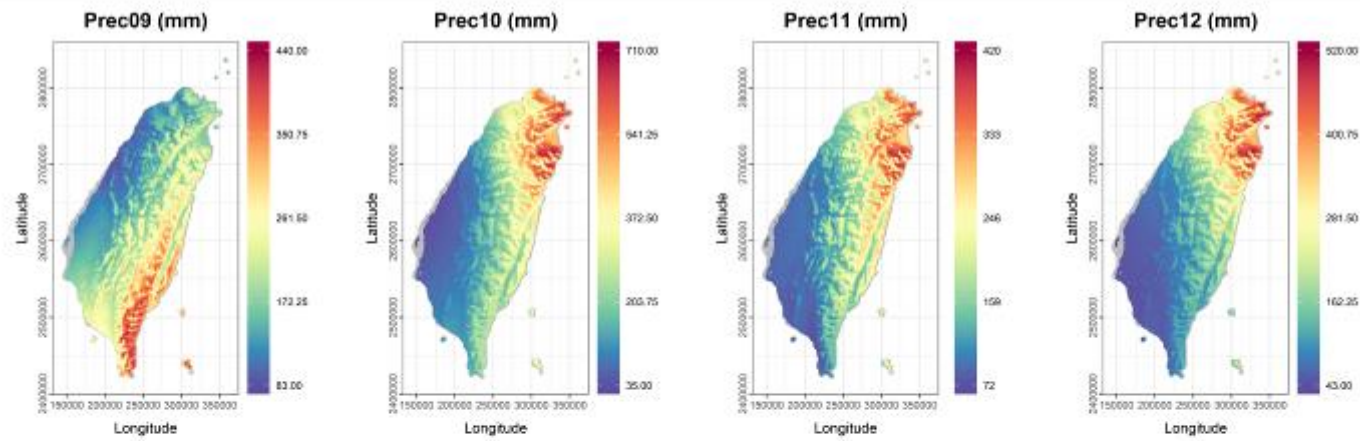
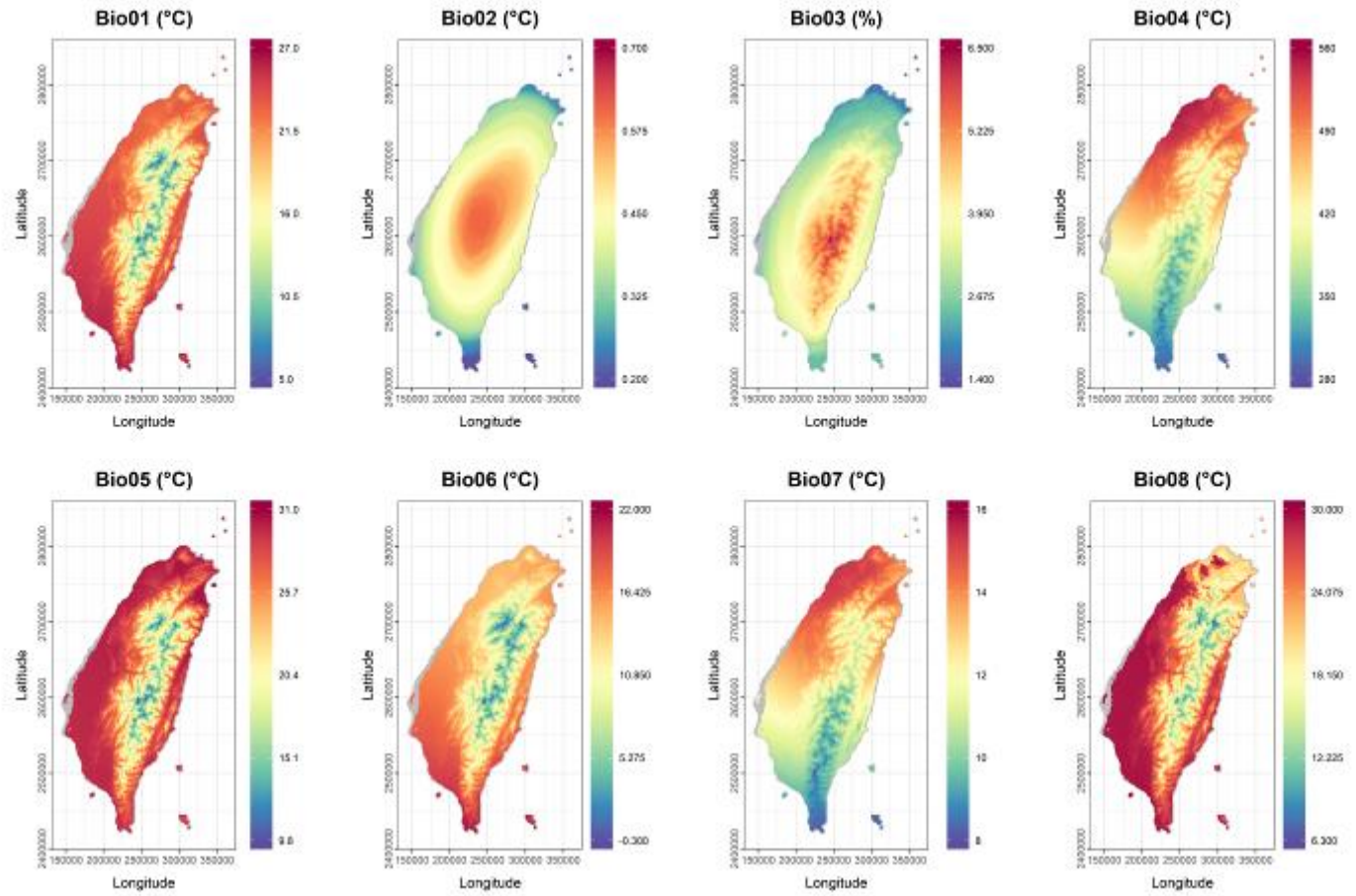
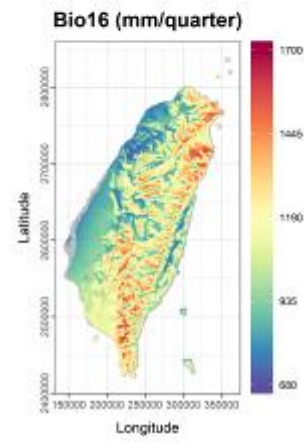
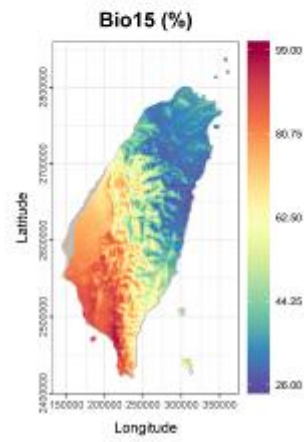
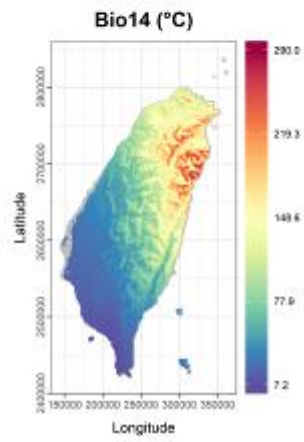
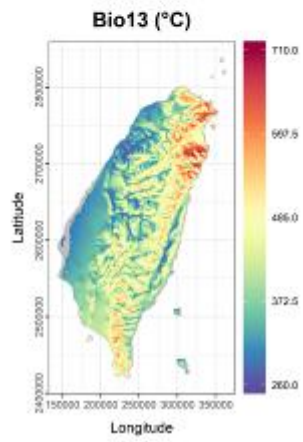
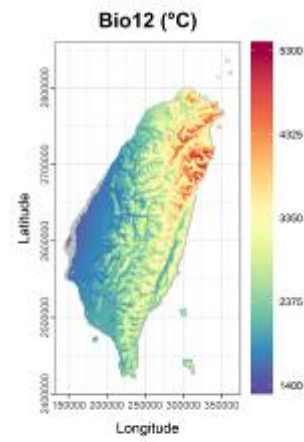
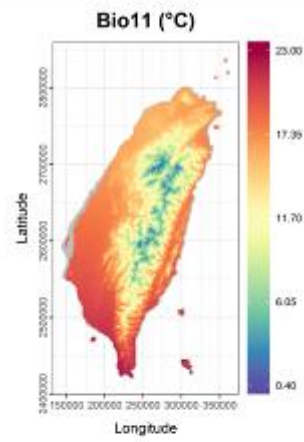
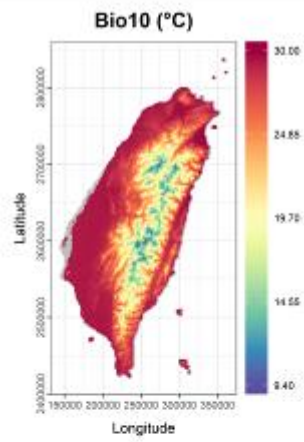
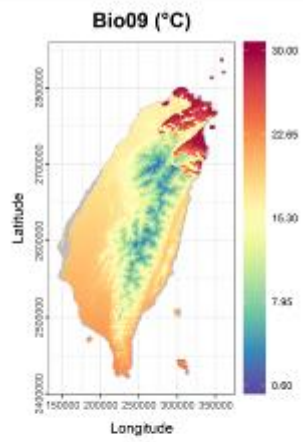


圖 12.5、2010 年代臺灣本島每月降水量圖，由左上至右下分別是 1 月至 12 月各月降水量圖。

Figure 12.5. The monthly precipitation sums of Taiwan proper in the 2010s, and there were maps of monthly precipitation sums from January (Pre01) to December (Pre12).





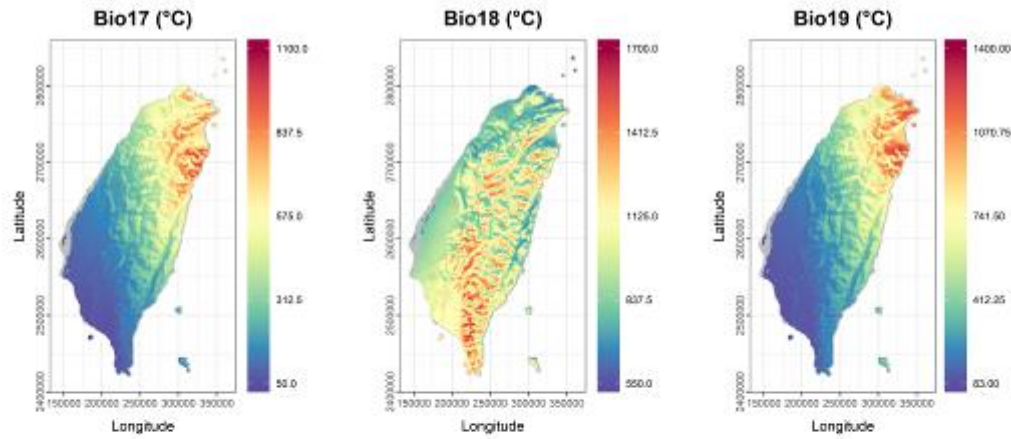
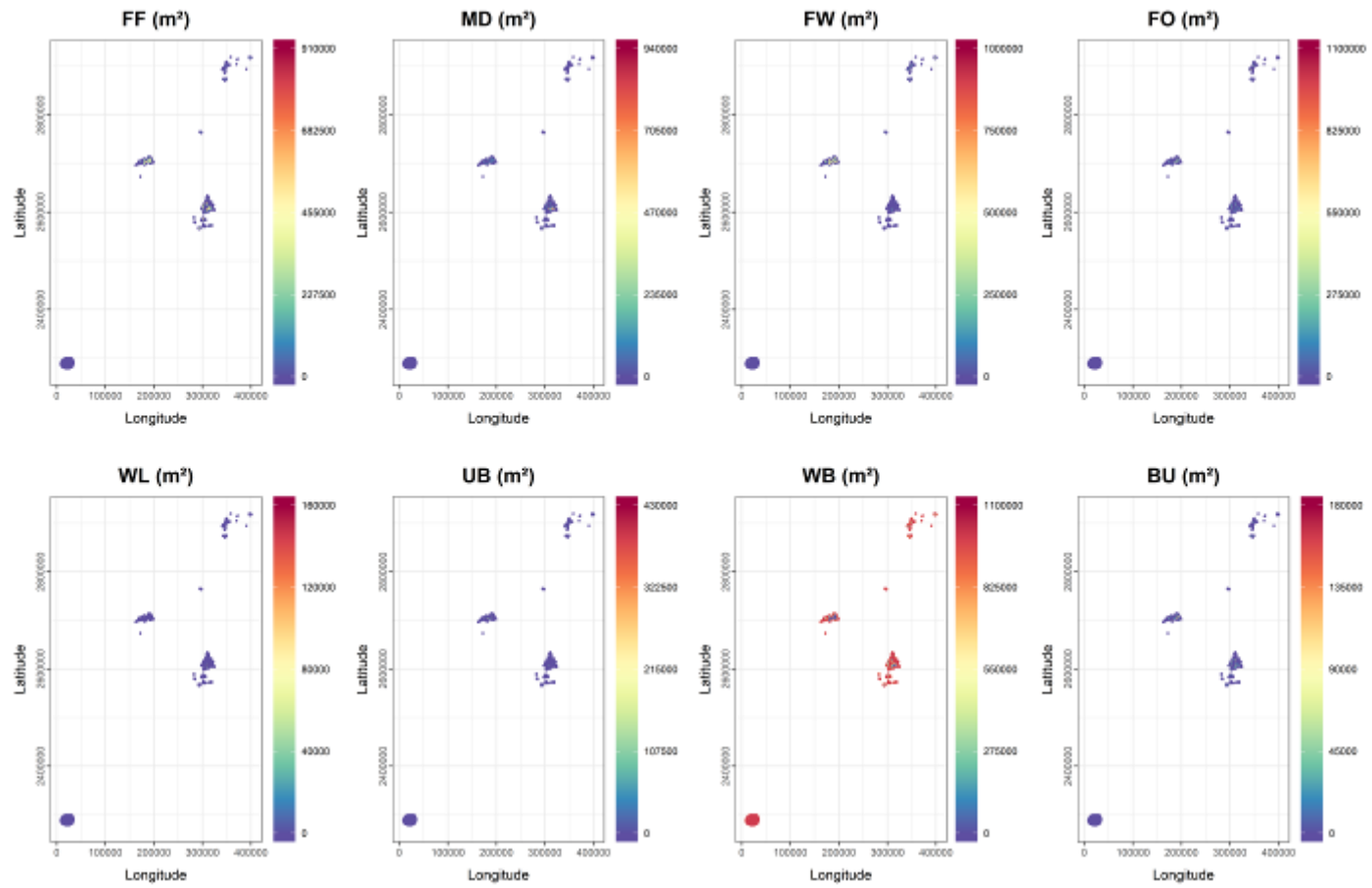


圖 12.6、2010 年代臺灣本島生物氣候變數圖，由左上至右下分別是年均溫 (Bio01)、平均日溫差 (Bio02)、溫度恆定性 (Bio03)、溫度季節性 (Bio04)、最暖月份之最高溫 (Bio05)、最冷月份之最低溫 (Bio06)、年溫差 (Bio07)、最潮濕季節之平均溫度 (Bio08)、最乾燥季節之平均溫度 (Bio09)、最溫暖季節之平均溫度 (Bio10)、最寒冷季節之平均溫度 (Bio11)、年降水量 (Bio12)、最潮濕月份之降水量 (Bio13)、最乾燥月份之降水量 (Bio14)、降水之季節性 (Bio15)、最潮濕季節之降水量 (Bio16)、最乾燥季節之降水量 (Bio17)、最溫暖季節之降水量 (Bio18)與最寒冷季節之降水量 (Bio19)。

Figure 12.6. Bioclimatic variables of Taiwan proper in the 2010s, which included the annual mean temperature (Bio01), mean diurnal range (Bio02), isothermality (Bio03), temperature seasonality (Bio04), max temperature of warmest month (Bio05), min temperature of coldest month (Bio06), temperature annual range (Bio07), mean temperature of wettest quarter (Bio08), mean temperature of driest quarter (Bio09), mean temperature of warmest quarter (Bio10), mean temperature of coldest quarter (Bio11), annual precipitation (Bio12), precipitation of wettest month (Bio13), precipitation of driest month (Bio14), precipitation seasonality (Bio15), precipitation of wettest quarter (Bio16), precipitation of driest quarter (Bio17), precipitation of warmest quarter (Bio18) and precipitation of coldest quarter (Bio19).



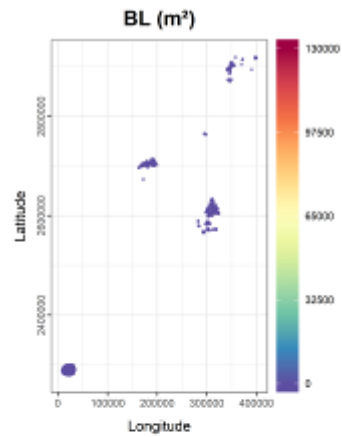
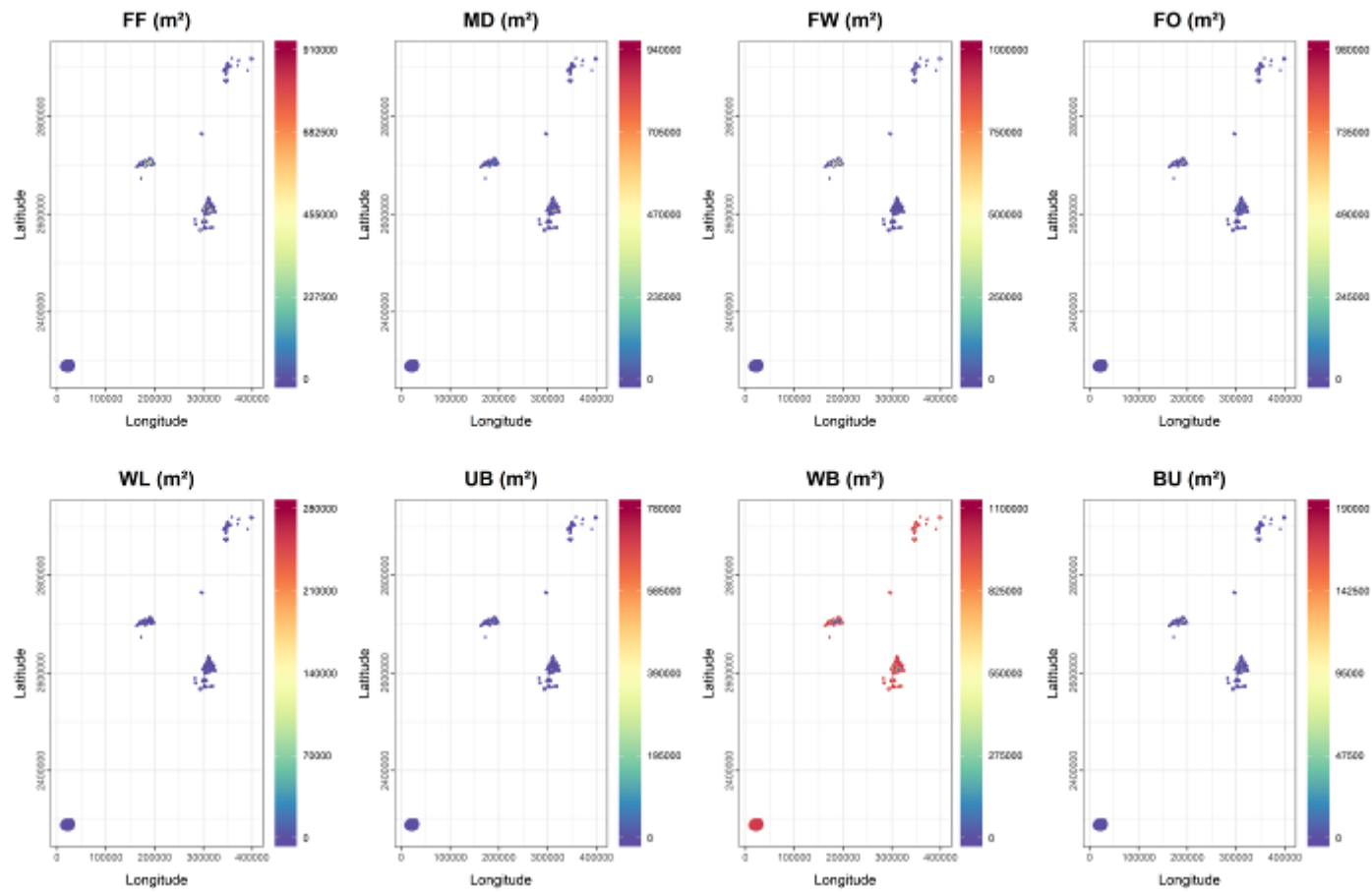


圖 13、1990 年代臺灣離島土地覆蓋類型，由左上至右下分別是農田 (FF)、草本、草本作物（旱田）(MD)、農濕地 (FW)、森林 (FO)、濕地 (WL)、都市 (UB)、水體 (WB)、灌叢 (BU) 與裸露地 (BL) 等 9 種土地覆蓋類型在每個 1 km² 網格內的面積。

Figure 13. The land cover of Taiwan's outlying islands in the 1990s, and there were maps of area each type of land cover in each 1 km² grid. The nine types of land cover factors were farm field (FF), meadow (MD), farm wetland (FW), forest (FO), bush (BU), wetland (WL), urban area (UB), waterbody (WB) and bare land (BL).



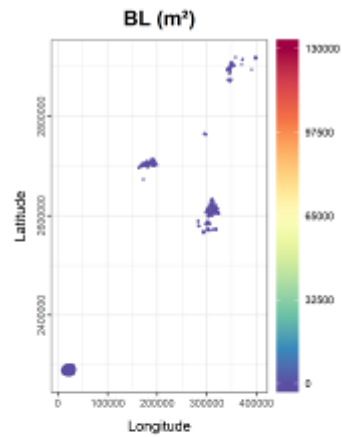
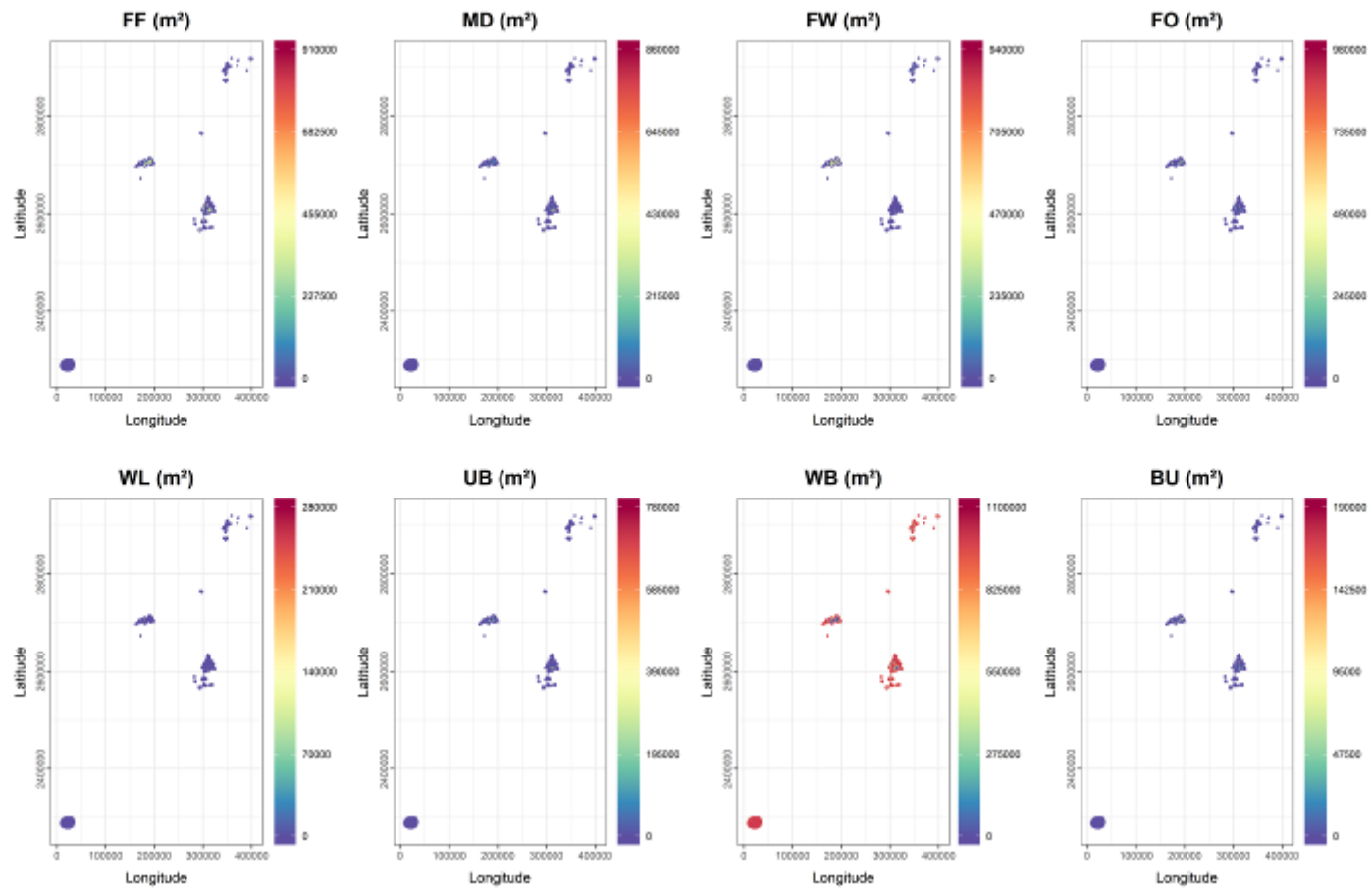


圖 14、2000 年代臺灣離島土地覆蓋類型，由左上至右下分別是農田 (FF)、草本、草本作物（旱田）(MD)、農濕地 (FW)、森林 (FO)、濕地 (WL)、都市 (UB)、水體 (WB)、灌叢 (BU) 與裸露地 (BL) 等 9 種土地覆蓋類型在每個 1 km² 網格內的面積。

Figure 14. The land cover of Taiwan's outlying islands in the 2000s, and there were maps of area each type of land cover in each 1 km² grid. The nine types of land cover factors were farm field (FF), meadow (MD), farm wetland (FW), forest (FO), bush (BU), wetland (WL), urban area (UB), waterbody (WB) and bare land (BL).



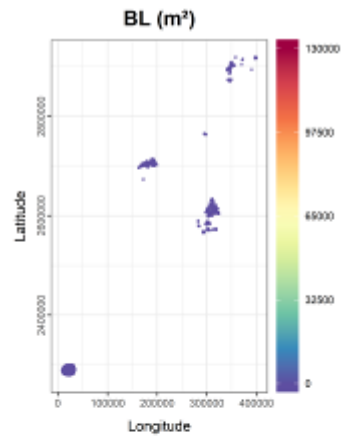
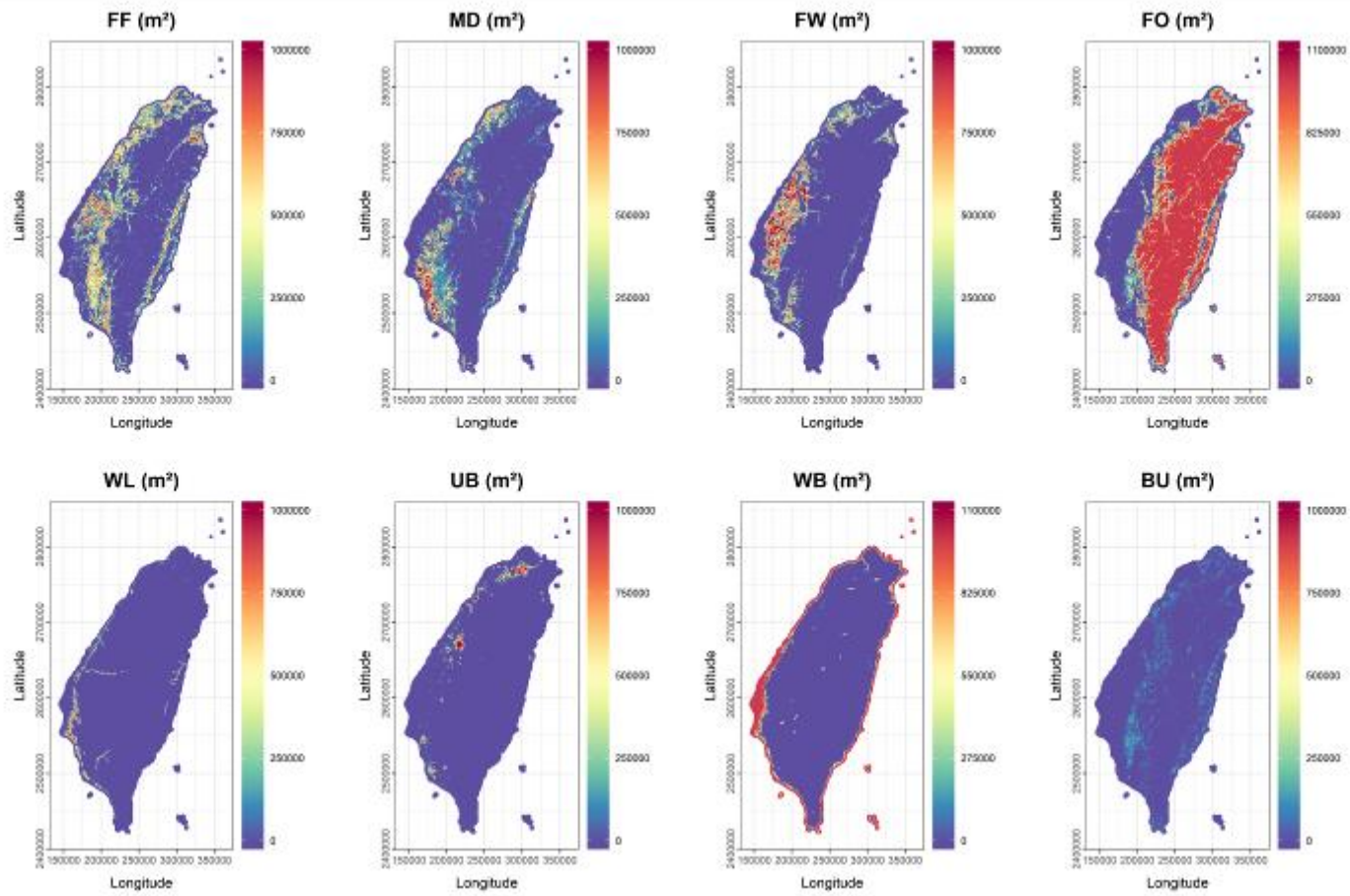


圖 15、2010 年代臺灣離島土地覆蓋類型，由左上至右下分別是農田 (FF)、草本、草本作物（旱田）(MD)、農濕地 (FW)、森林 (FO)、濕地 (WL)、都市 (UB)、水體 (WB)、灌叢 (BU) 與裸露地 (BL) 等 9 種土地覆蓋類型在每個 1 km² 網格內的面積。

Figure 15. The land cover of Taiwan's outlying islands in the 2010s, and there were maps of area each type of land cover in each 1 km² grid. The nine types of land cover factors were farm field (FF), meadow (MD), farm wetland (FW), forest (FO), bush (BU), wetland (WL), urban area (UB), waterbody (WB) and bare land (BL).



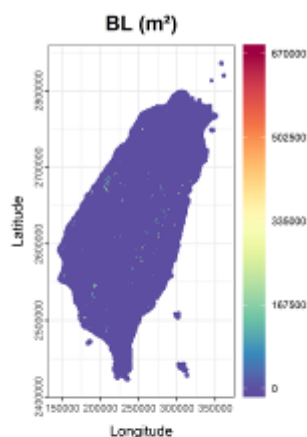
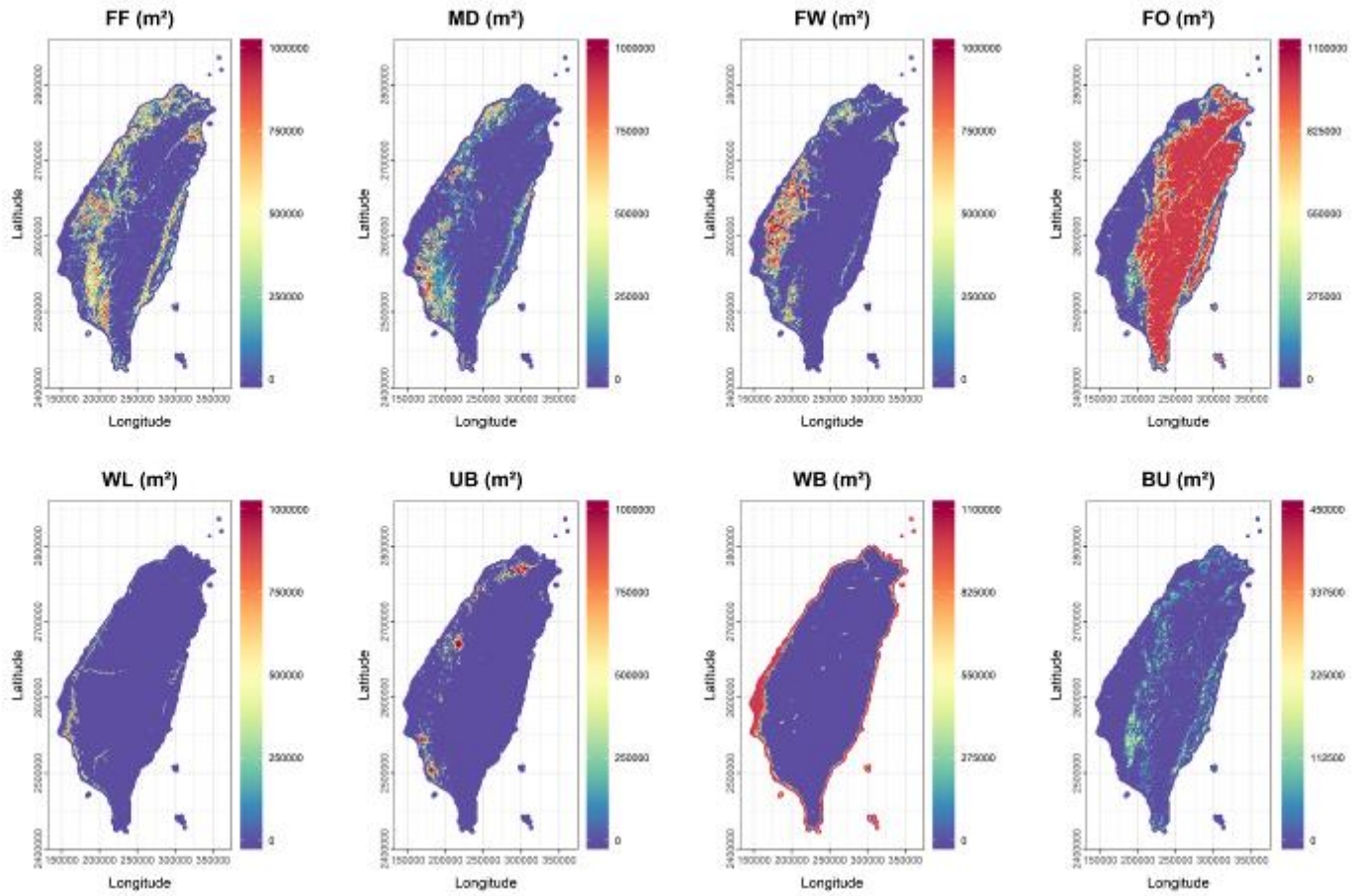


圖 16、1990 年代臺灣本島土地覆蓋類型，由左上至右下分別是農田 (FF)、草本、草本作物（旱田）(MD)、農濕地 (FW)、森林 (FO)、濕地 (WL)、都市 (UB)、水體 (WB)、灌叢 (BU) 與裸露地 (BL) 等 9 種土地覆蓋類型在每個 1 km² 網格內的面積。

Figure 16. The land cover of Taiwan proper in the 1990s, and there were maps of area each type of land cover in each 1 km² grid. The nine types of land cover factors were farm field (FF), meadow (MD), farm wetland (FW), forest (FO), bush (BU), wetland (WL), urban area (UB), waterbody (WB) and bare land (BL).



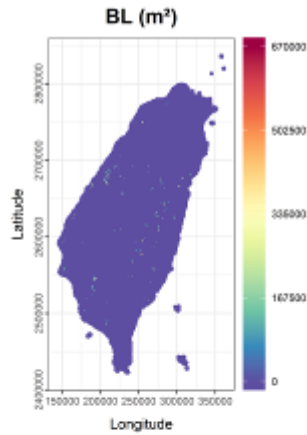
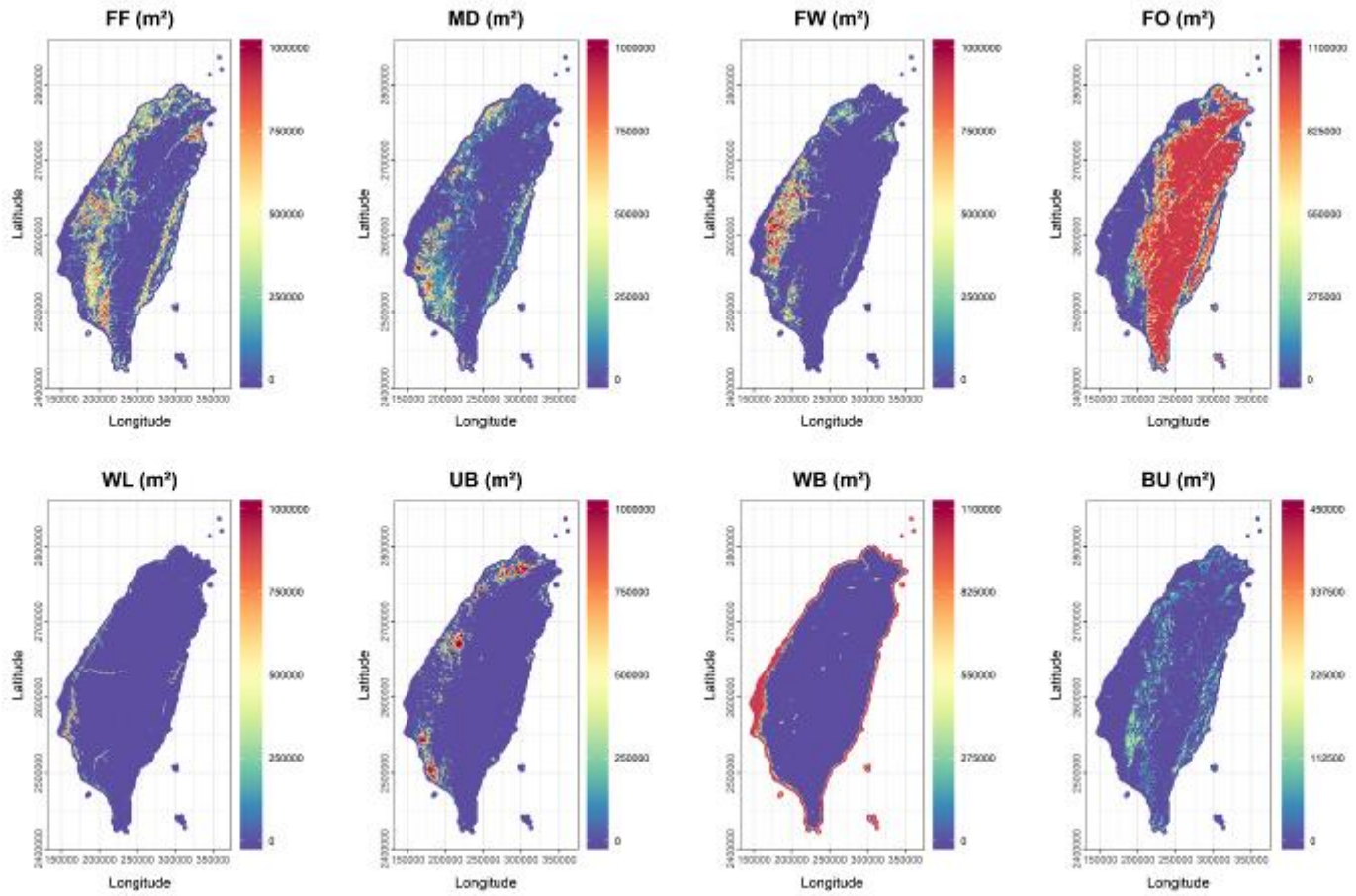


圖 17、2000 年代臺灣本島土地覆蓋類型，由左上至右下分別是農田 (FF)、草本、草本作物（旱田）(MD)、農濕地 (FW)、森林 (FO)、濕地 (WL)、都市 (UB)、水體 (WB)、灌叢 (BU) 與裸露地 (BL) 等 9 種土地覆蓋類型在每個 1 km² 網格內的面積。

Figure 17. The land cover of Taiwan proper in the 2000s, and there were maps of area each type of land cover in each 1 km² grid. The nine types of land cover factors were farm field (FF), meadow (MD), farm wetland (FW), forest (FO), bush (BU), wetland (WL), urban area (UB), waterbody (WB) and bare land (BL).



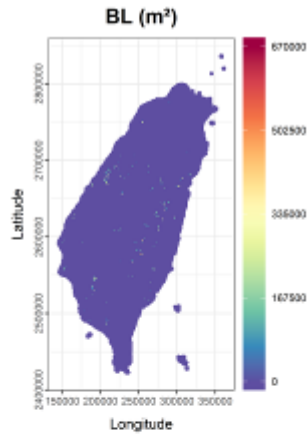


圖 18、2010 年代臺灣本島土地覆蓋類型，由左上至右下分別是農田 (FF)、草本、草本作物（旱田）(MD)、農濕地 (FW)、森林 (FO)、濕地 (WL)、都市 (UB)、水體 (WB)、灌叢 (BU) 與裸露地 (BL) 等 9 種土地覆蓋類型在每個 1 km² 網格內的面積。

Figure 18. The land cover of Taiwan proper in the 2010s, and there were maps of area each type of land cover in each 1 km² grid. The nine types of land cover factors were farm field (FF), meadow (MD), farm wetland (FW), forest (FO), bush (BU), wetland (WL), urban area (UB), waterbody (WB) and bare land (BL).

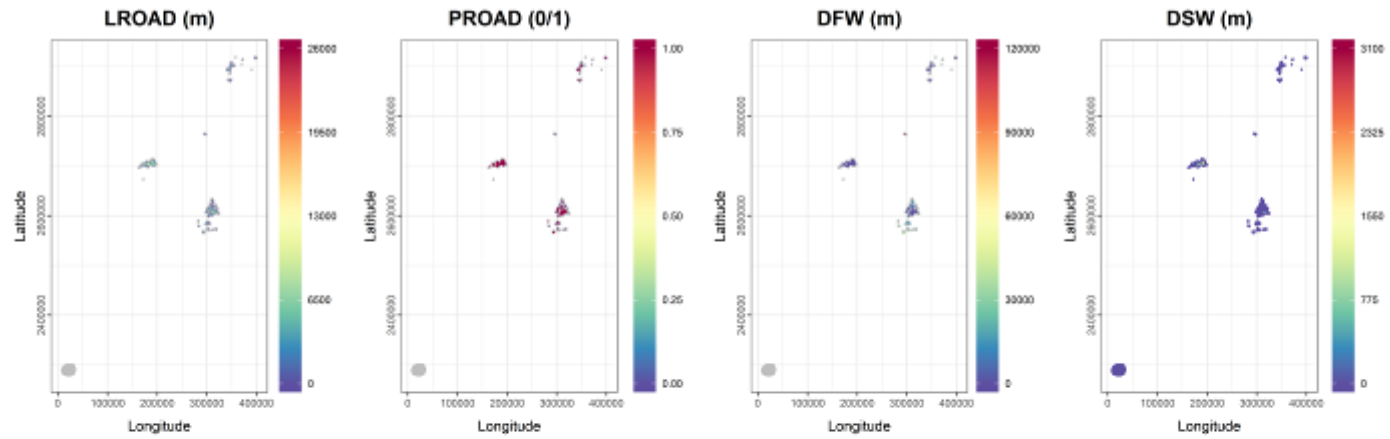


圖 19、臺灣離島其他環境因子，由左至右分別是道路長度 (LROAD)、道路有無 (PROAD)、最短淡水體距離 (DFW)與最短鹹水體距離 (DSW)。

Figure 19. The other factors of Taiwan's outlying islands, and which included road length (LROAD), presence/absence of roads (PROAD), nearest distance to fresh water (DFW) and nearest distance to salt water (DSW).

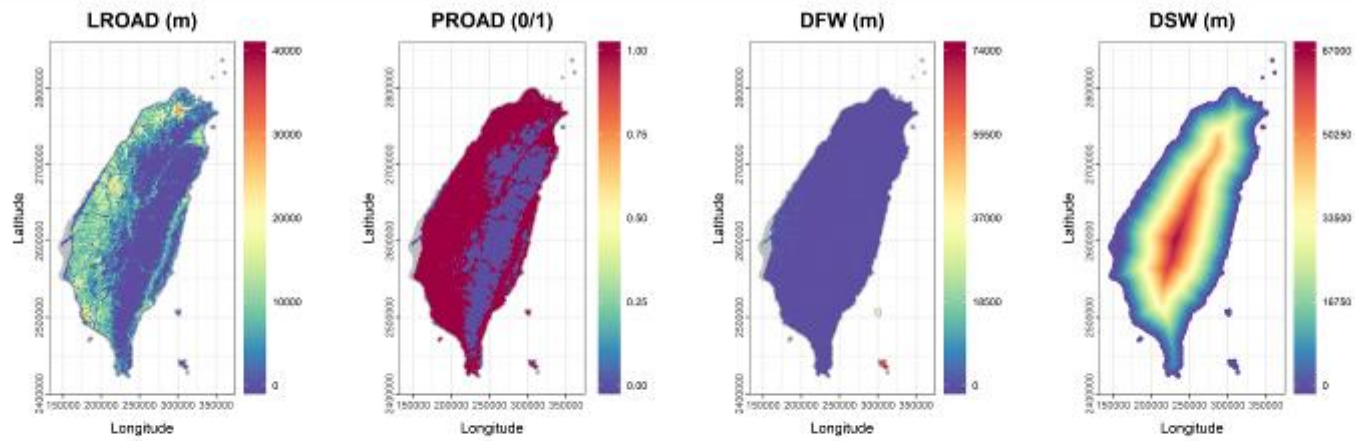


圖 20、臺灣本島其他環境因子，由左至右分別是道路長度 (LROAD)、道路有無 (PROAD)、最短淡水體距離 (DFW)與最短鹹水體距離 (DSW)。

Figure 20. The other factors of Taiwan proper, and which included road length (LROAD), presence/absence of roads (PROAD), nearest distance to fresh water (DFW) and nearest distance to salt water (DSW).