

Monthly mean maximum days above 95th percentile

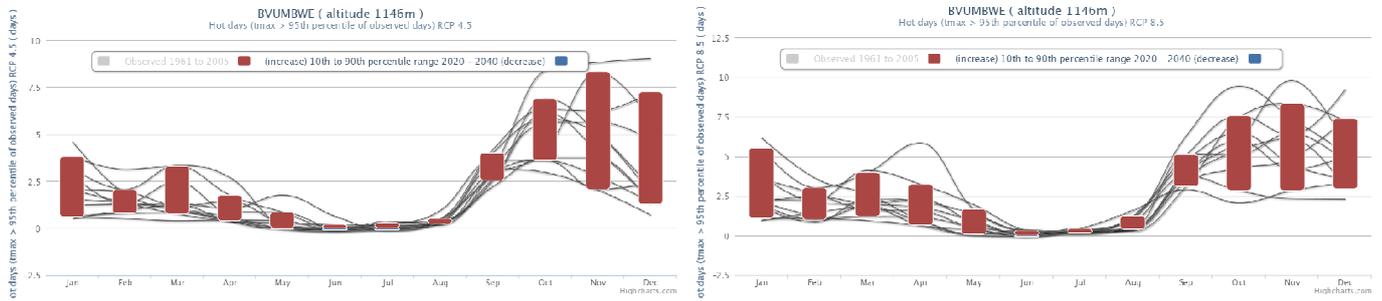


Figure B.2.8: Change in days above 31.2 deg C using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for BVUMBWE station.

Monthly mean heat spell duration

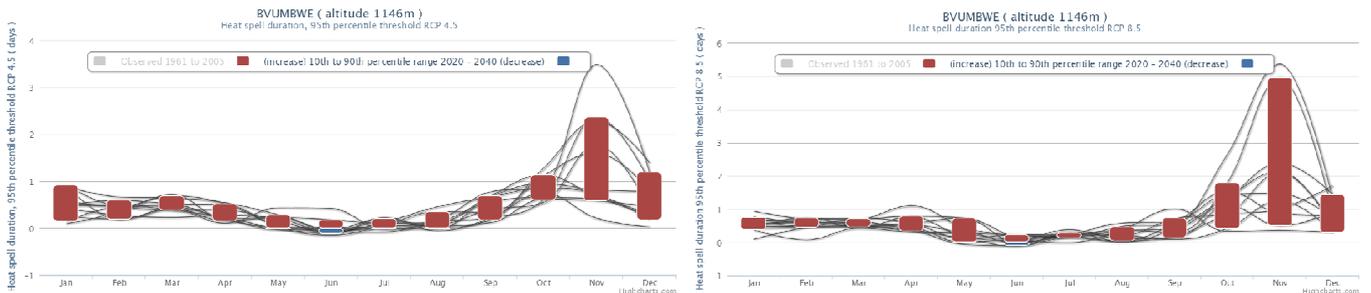


Figure B.2.9: Change in heat spell duration (31.2 deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for BVUMBWE station.

Monthly mean minimum daily temperature change

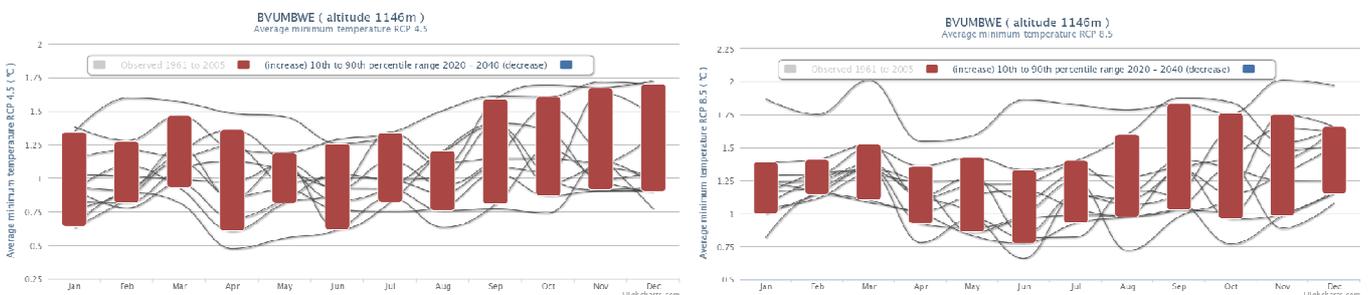


Figure B.2.10: Change in monthly mean minimum daily temperature (deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for BVUMBWE station.

B.3: Climate Summary for CHICHIRI 20-40

Climate Projections - Precipitation

Explanation of Climate Projection Plots - Precipitation Anomalies: Bars represent the range between the middle 80 percent of the projected change. They are presented as monthly mean change (either in days or mm). Blue represents below the zero line, while red represents above the zero line. The grey lines show the projected change for each individual model.

Projected change in monthly total rainfall

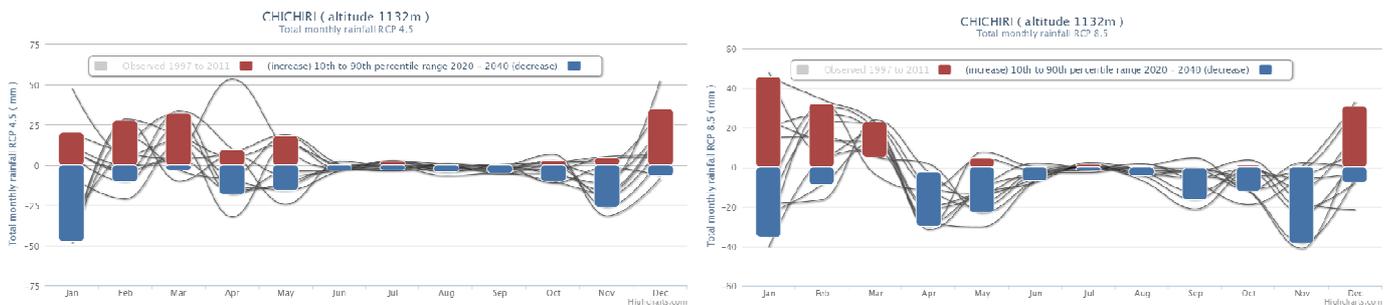


Figure B.3.1: Change in monthly total rainfall using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHICHIRI station.

Projected change in monthly mean dry spell duration change

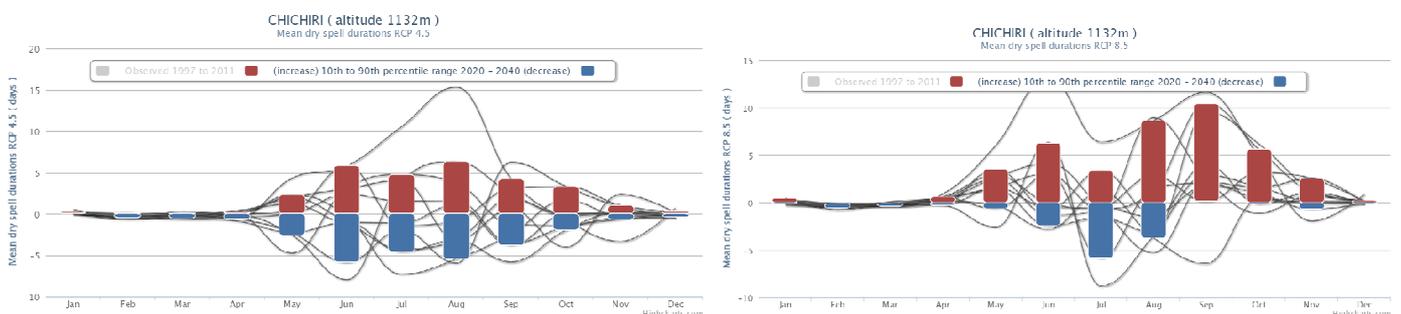


Figure B.3.2: Change in monthly mean dry spell duration (> 0.3 mm) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHICHIRI station.

Projected change in monthly mean rain day frequency

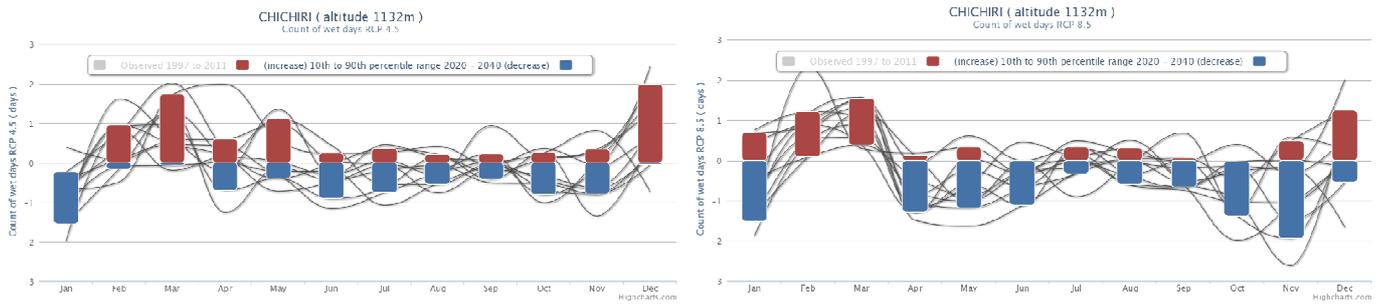


Figure B.3.3: Change in monthly rain day frequency (rain day = rain > 0.3 mm) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHICHIRI station.

Projected change in monthly mean rain day frequency (> 20mm)

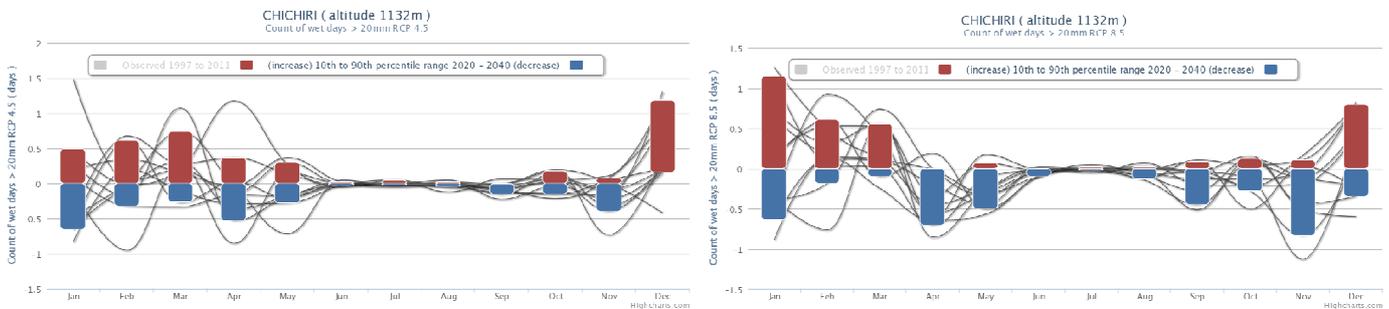


Figure B.3.4: Change in monthly rain day frequency > 20 mm using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHICHIRI station.

Projected change in monthly extreme rain day frequency (> 95th percentile)

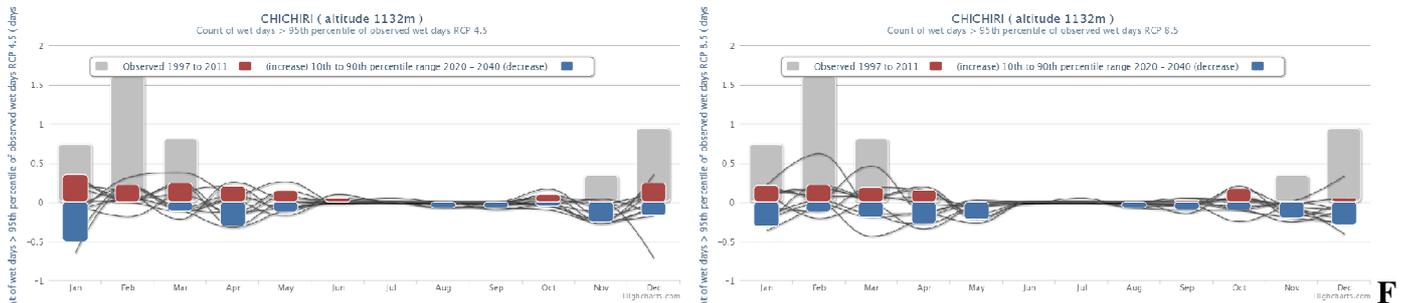


Figure B.3.5: Change in monthly rain day frequency > 46 mm using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHICHIRI station.

Climate Projections - Temperature

Explanation of Climate Projection Plots - Temperature anomalies: Bars represent the range between the middle 80 percent of the projected change. They are presented as monthly mean change (either in days or degrees Celsius). Blue represents below the zero line, while red represents above the zero line. The grey lines show the projected change for each individual model.

Monthly mean maximum daily temperature change

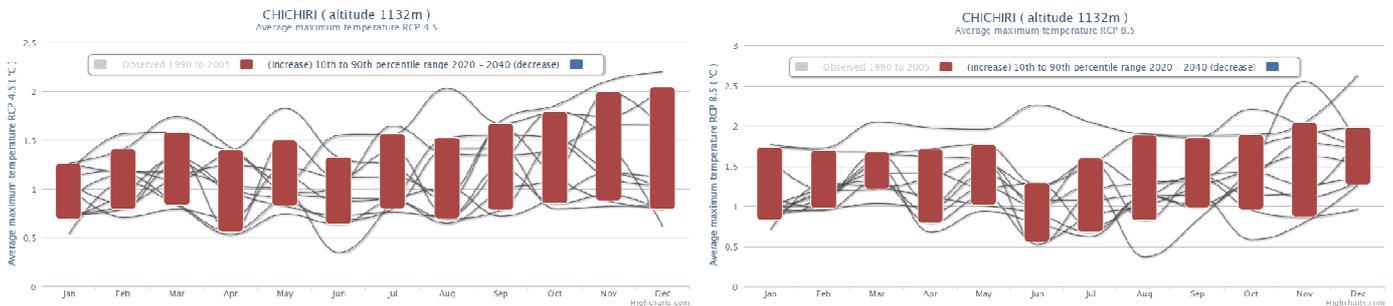


Figure B.3.6: Change in monthly mean maximum daily temperature (deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHICHIRI station.

Monthly mean maximum days above 36 degree C

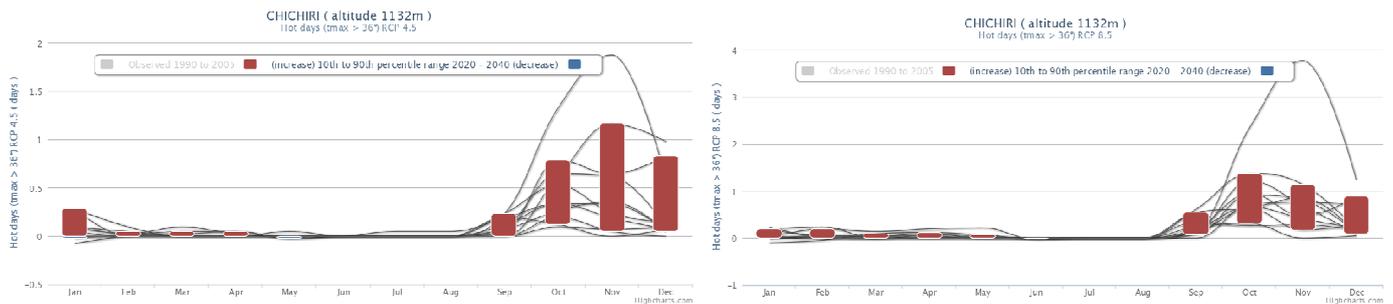


Figure B.3.7: Change in days above 36 deg C using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHICHIRI station.

Monthly mean maximum days above 95th percentile

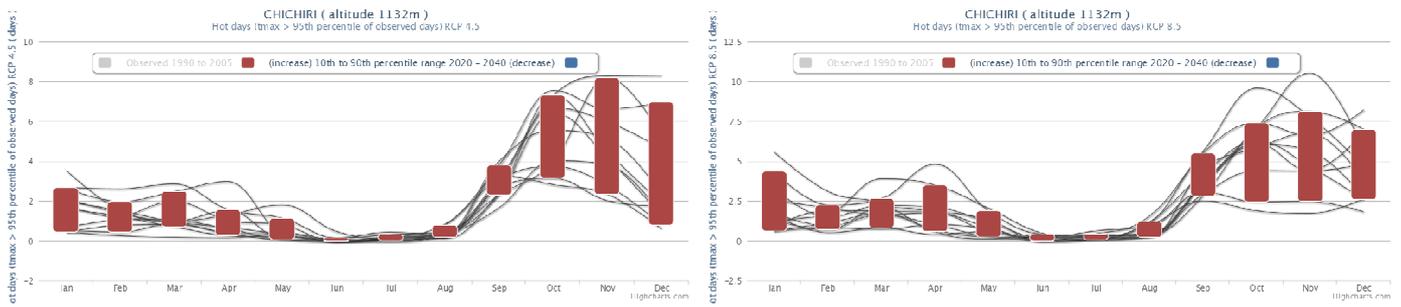


Figure B.3.8: Change in days above 30.5 deg C using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHICHIRI station.

Monthly mean heat spell duration

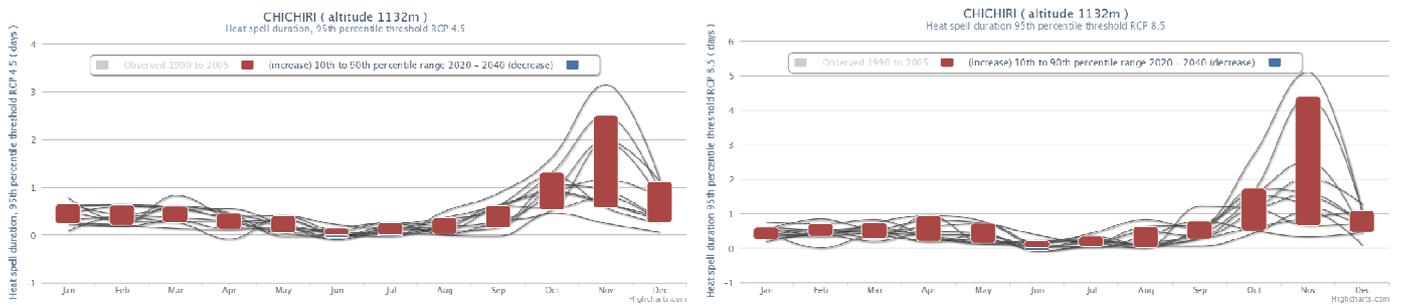


Figure B.3.9: Change in heat spell duration (30.5 deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHICHIRI station.

Monthly mean minimum daily temperature change

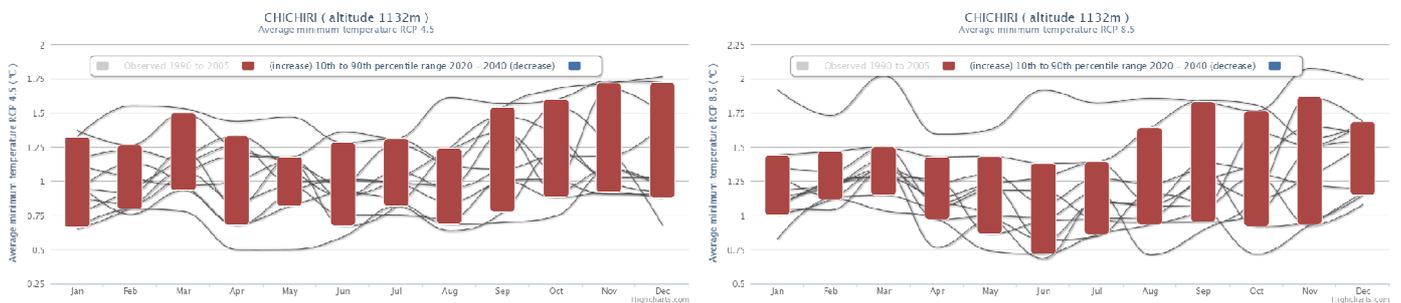


Figure B.3.10: Change in monthly mean minimum daily temperature (deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHICHIRI station.

B.4: Climate Summary for CHILEKA 20-40

Climate Projections - Precipitation

Explanation of Climate Projection Plots - Precipitation Anomalies: Bars represent the range between the middle 80 percent of the projected change. They are presented as monthly mean change (either in days or mm). Blue represents below the zero line, while red represents above the zero line. The grey lines show the projected change for each individual model.

Projected change in monthly total rainfall

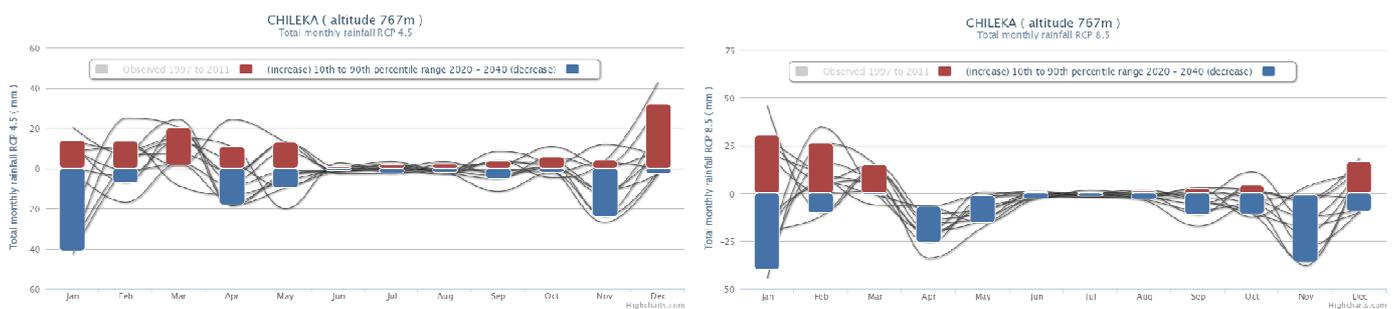


Figure B.4.1: Change in monthly total rainfall using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHILEKA station.

Projected change in monthly mean dry spell duration change

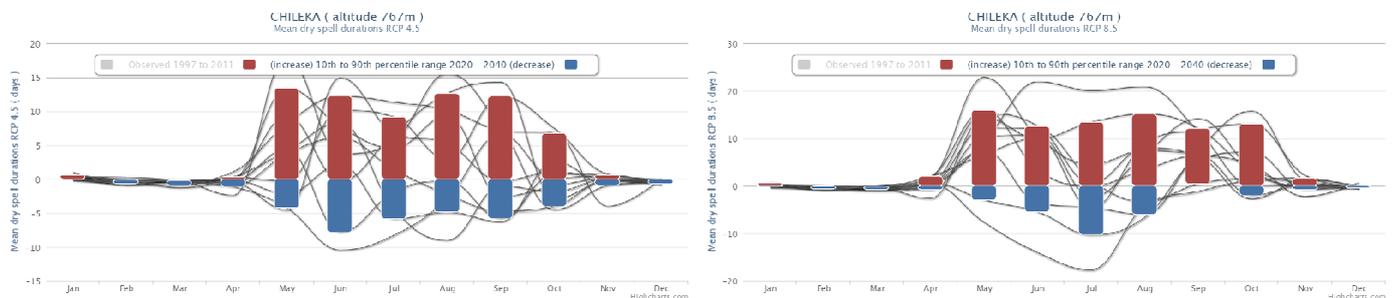


Figure B.4.2: Change in monthly mean dry spell duration (> 0.3 mm) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHILEKA station.

Projected change in monthly mean rain day frequency

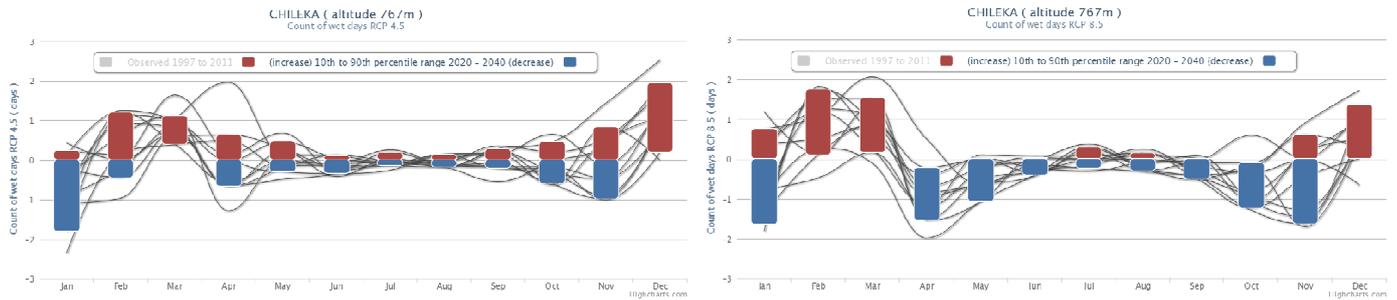


Figure B.4.3: Change in monthly rain day frequency (rain day = rain > 0.3 mm) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHILEKA station.

Projected change in monthly mean rain day frequency (> 20mm)

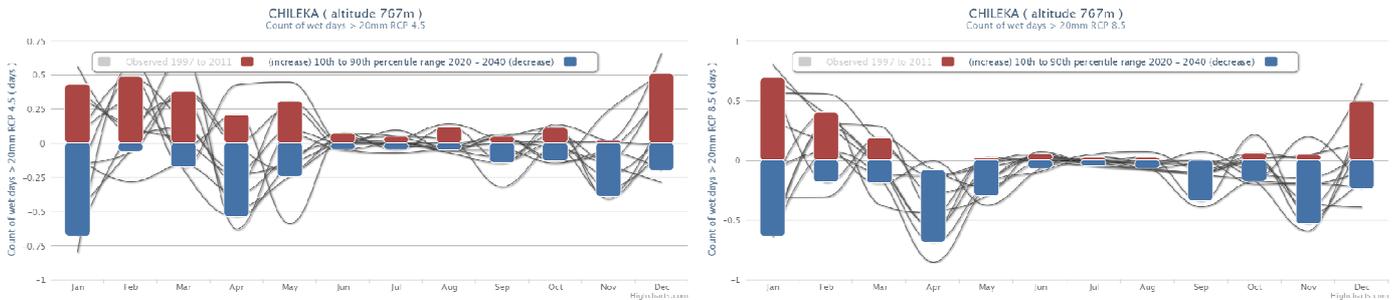


Figure B.4.4: Change in monthly rain day frequency > 20 mm using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHILEKA station.

Projected change in monthly extreme rain day frequency (> 95th percentile)

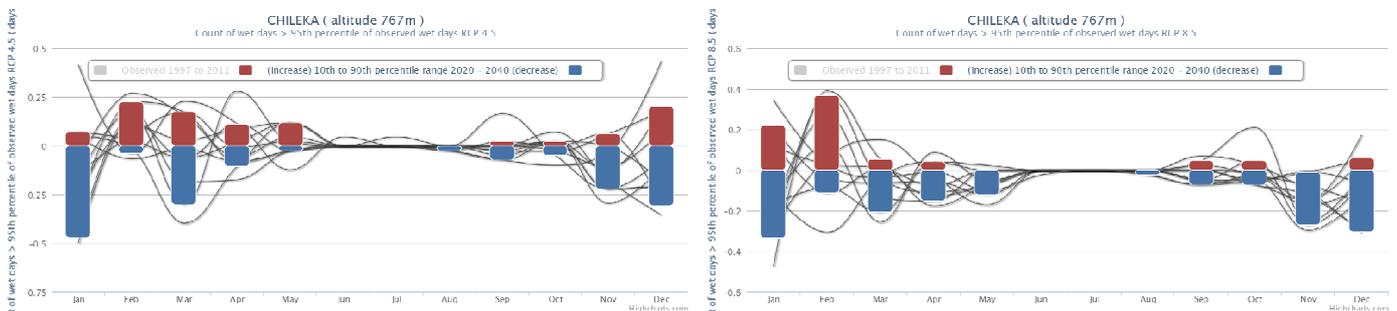


Figure B.4.5: Change in monthly rain day frequency > 36.8 mm using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHILEKA station.

Climate Projections - Temperature

Explanation of Climate Projection Plots - Temperature anomalies: Bars represent the range between the middle 80 percent of the projected change. They are presented as monthly mean change (either in days or degrees Celsius). Blue represents below the zero line, while red represents above the zero line. The grey lines show the projected change for each individual model.

Monthly mean maximum daily temperature change

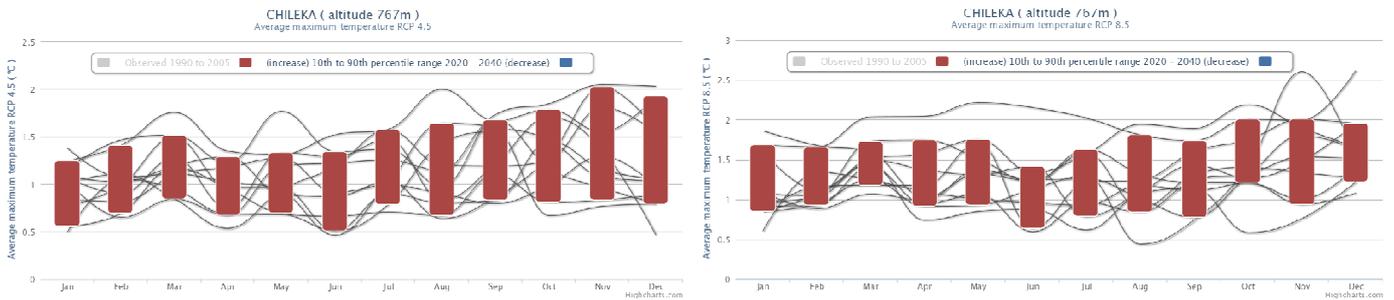


Figure B.4.6: Change in monthly mean maximum daily temperature (deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHILEKA station.

Monthly mean maximum days above 36 degree C

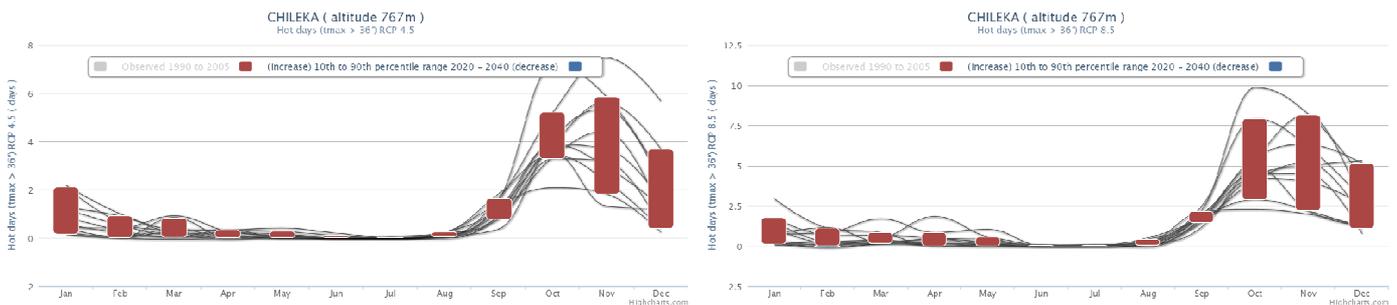


Figure B.4.7: Change in days above 36 deg C using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHILEKA station.

Monthly mean maximum days above 95th percentile

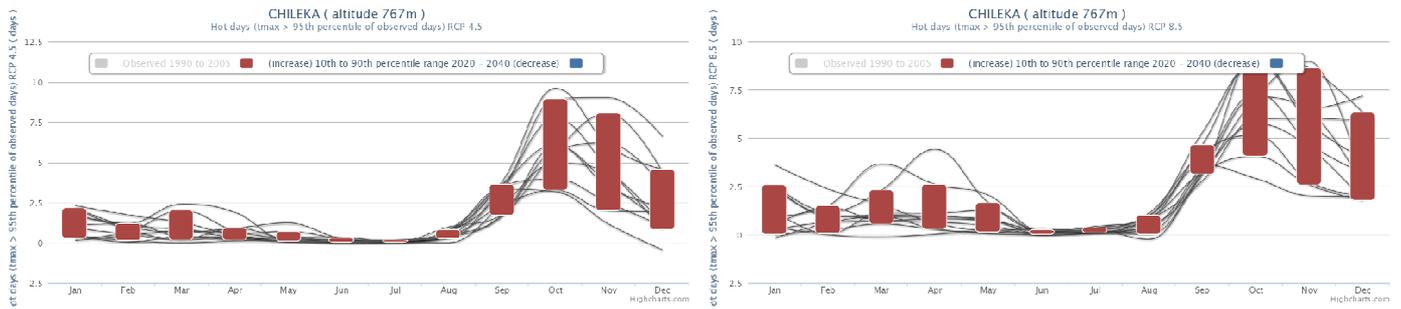


Figure B.4.8: Change in days above 34.2 deg C using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHILEKA station.

Monthly mean heat spell duration

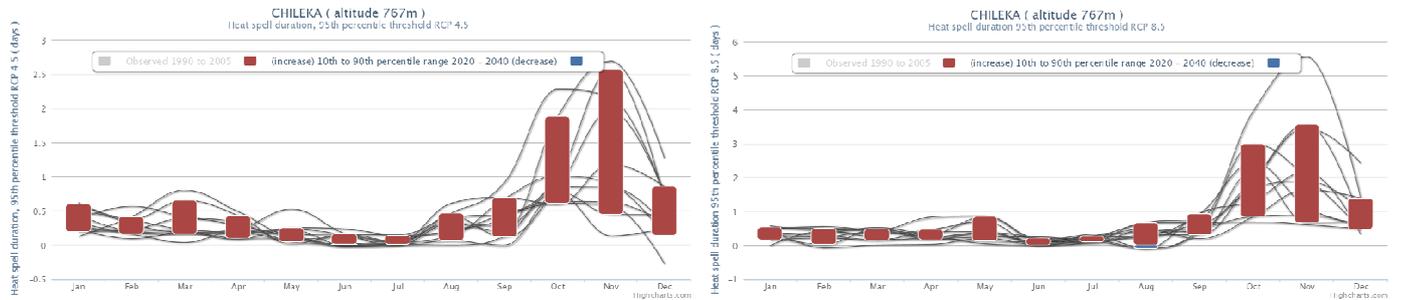


Figure B.4.9: Change in heat spell duration (34.2 deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHILEKA station.

Monthly mean minimum daily temperature change

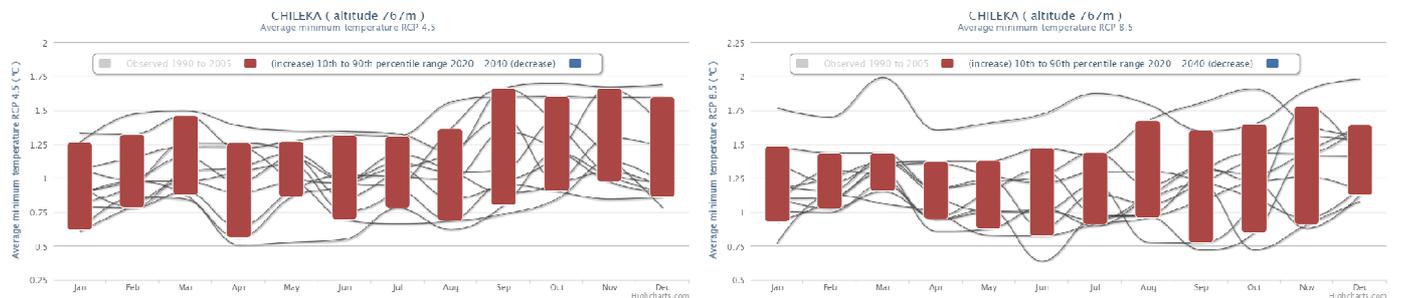


Figure B.4.10: Change in monthly mean minimum daily temperature (deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHILEKA station.

B.5: Climate Summary for CHITEDZE

Climate Projections - Precipitation

Explanation of Climate Projection Plots - Precipitation Anomalies: Bars represent the range between the middle 80 percent of the projected change. They are presented as monthly mean change (either in days or mm). Blue represents below the zero line, while red represents above the zero line. The grey lines show the projected change for each individual model.

Projected change in monthly total rainfall

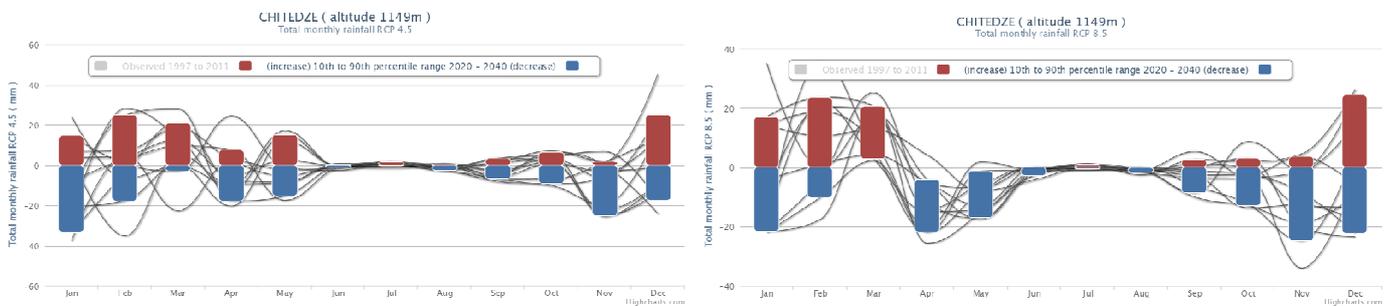


Figure B.5.1: Change in monthly total rainfall using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITEDZE station.

Projected change in monthly mean dry spell duration change

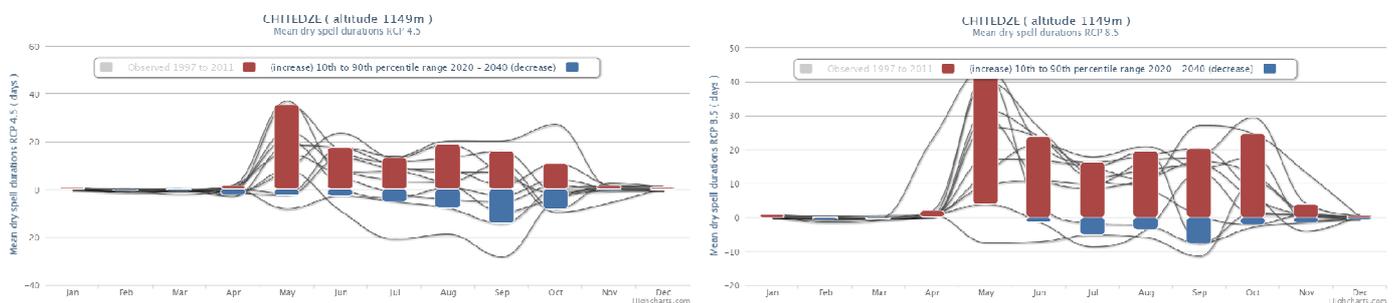


Figure B.5.2: Change in monthly mean dry spell duration (> 0.3 mm) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITEDZE station.

Projected change in monthly mean rain day frequency

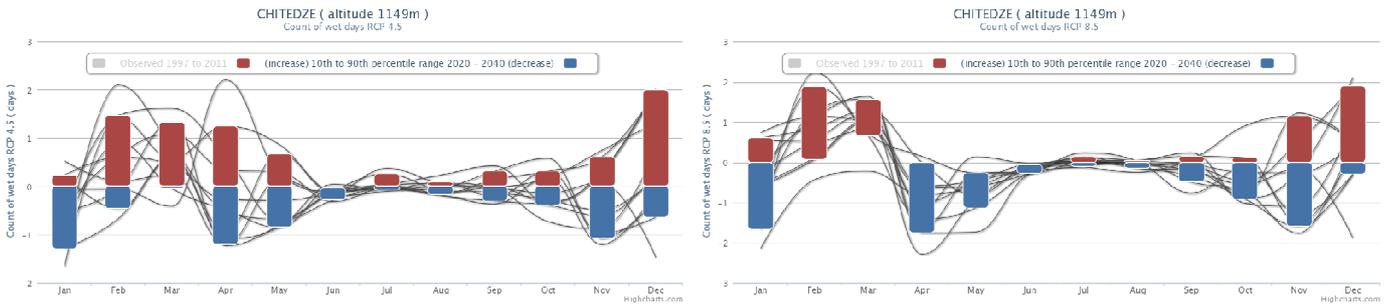


Figure B.5.3: Change in monthly rain day frequency (rain day = rain > 0.3 mm) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITEDZE station.

Projected change in monthly mean rain day frequency (> 20mm)

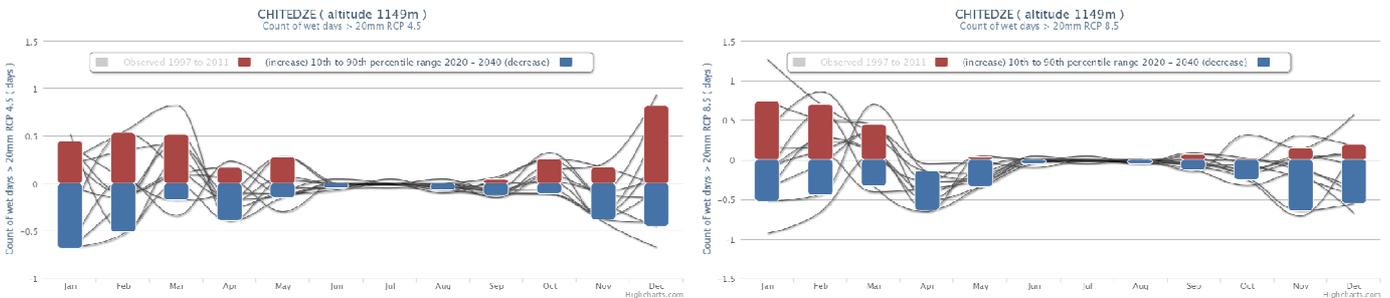


Figure B.5.4: Change in monthly rain day frequency > 20 mm using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITEDZE station.

Projected change in monthly extreme rain day frequency (> 95th percentile)

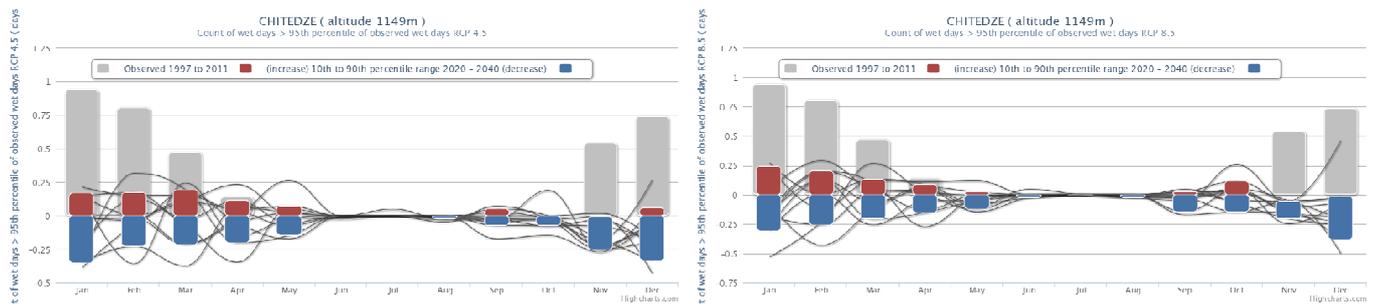


Figure B.5.5: Change in monthly rain day frequency > 45.5 mm using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITEDZE station.

Climate Projections - Temperature

Explanation of Climate Projection Plots - Temperature anomalies: Bars represent the range between the middle 80 percent of the projected change. They are presented as monthly mean change (either in days or

degrees Celsius). Blue represents below the zero line, while red represents above the zero line. The grey lines show the projected change for each individual model.

Monthly mean maximum daily temperature change

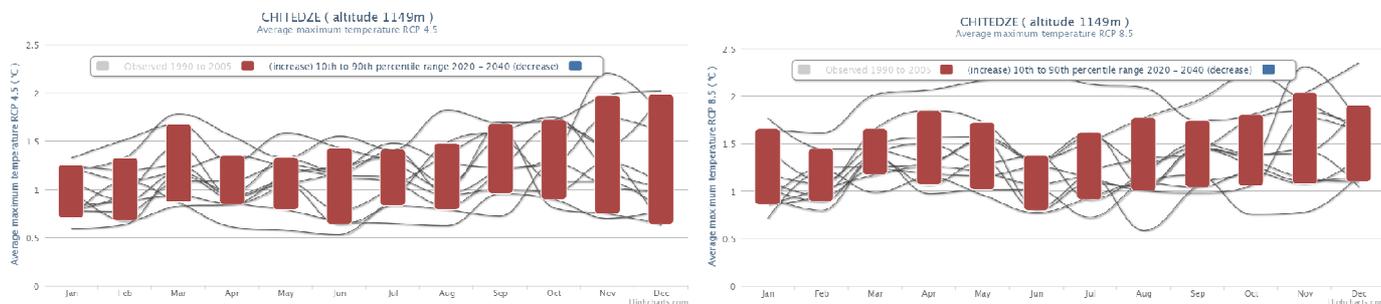


Figure B.5.6: Change in monthly mean maximum daily temperature (deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITEDZE station.

Monthly mean maximum days above 36 degree C

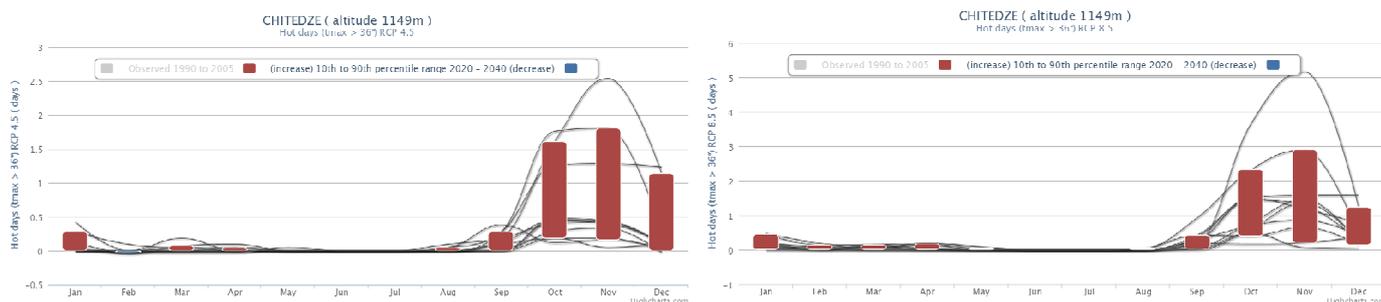


Figure B.5.7: Change in days above 36 deg C using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITEDZE station.

Monthly mean maximum days above 95th percentile

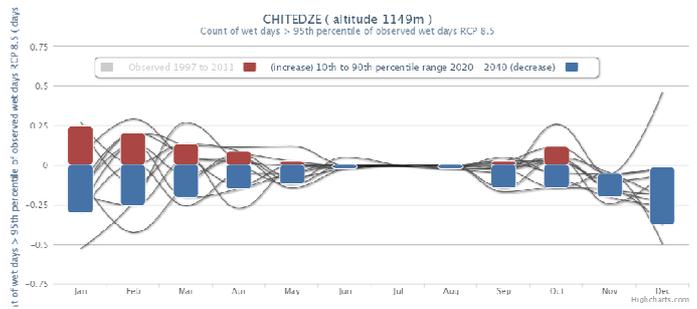
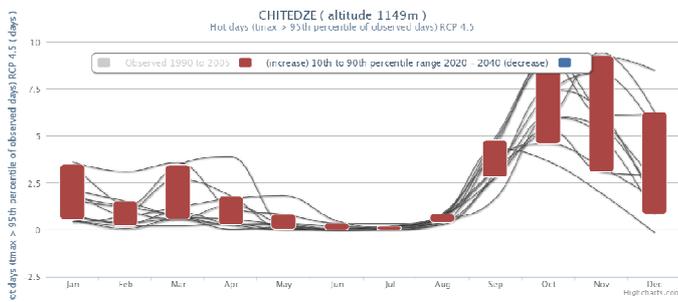


Figure B.5.8: Change in days above 34.3 deg C using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITEDZE station.

Monthly mean heat spell duration

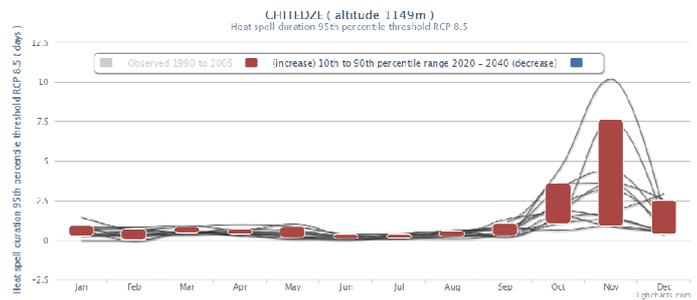
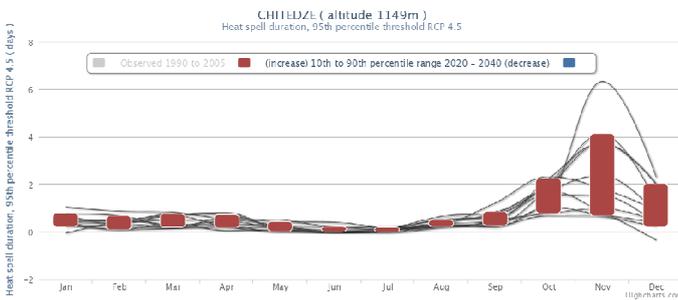


Figure B.5.9: Change in heat spell duration (34.3 deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITEDZE station.

Monthly mean minimum daily temperature change

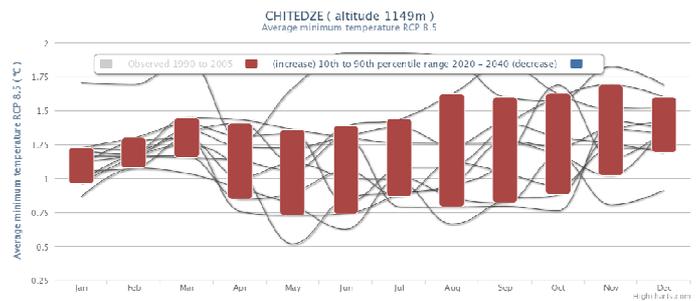
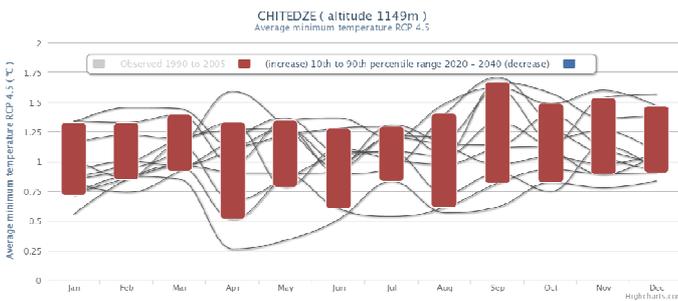


Figure B.5.10: Change in monthly mean minimum daily temperature (deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITEDZE station.

B.6: Climate Summary for CHITIPA

Climate Projections - Precipitation

Explanation of Climate Projection Plots - Precipitation Anomalies: Bars represent the range between the middle 80 percent of the projected change. They are presented as monthly mean change (either in days or mm). Blue represents below the zero line, while red represents above the zero line. The grey lines show the projected change for each individual model.

Projected change in monthly total rainfall

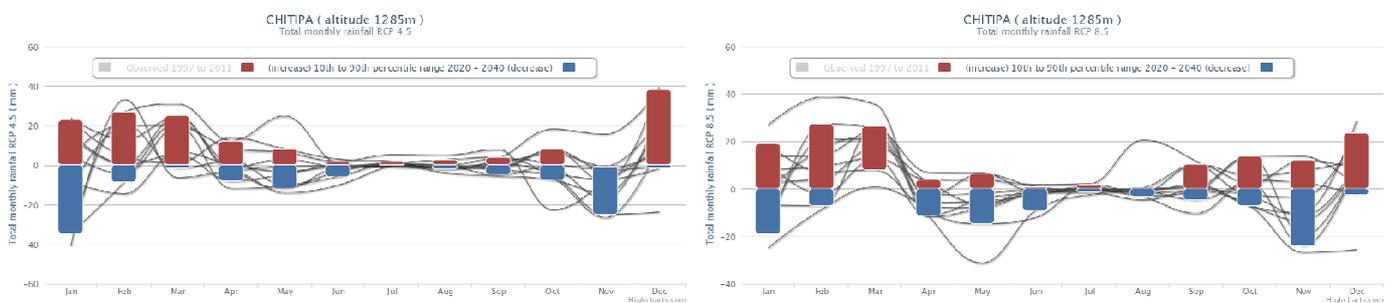


Figure B.6.1: Change in monthly total rainfall using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITIPA station.

Projected change in monthly mean dry spell duration change

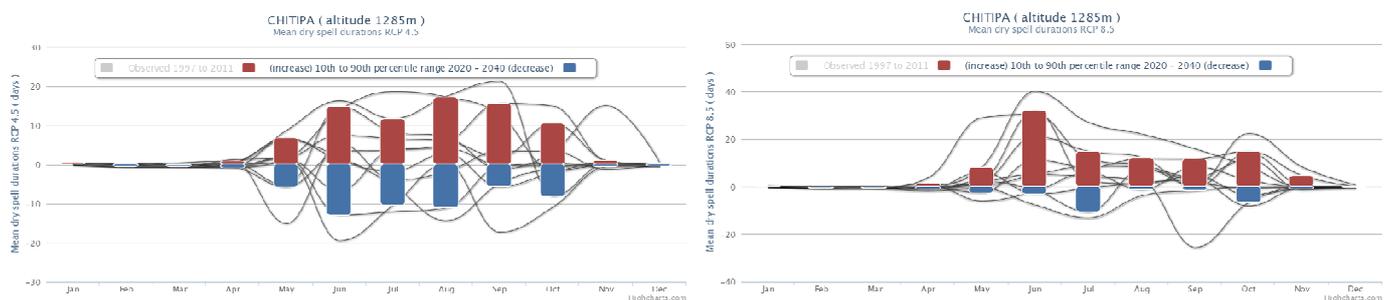


Figure B.6.2: Change in monthly mean dry spell duration (> 0.3 mm) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITIPA station.

Projected change in monthly mean rain day frequency

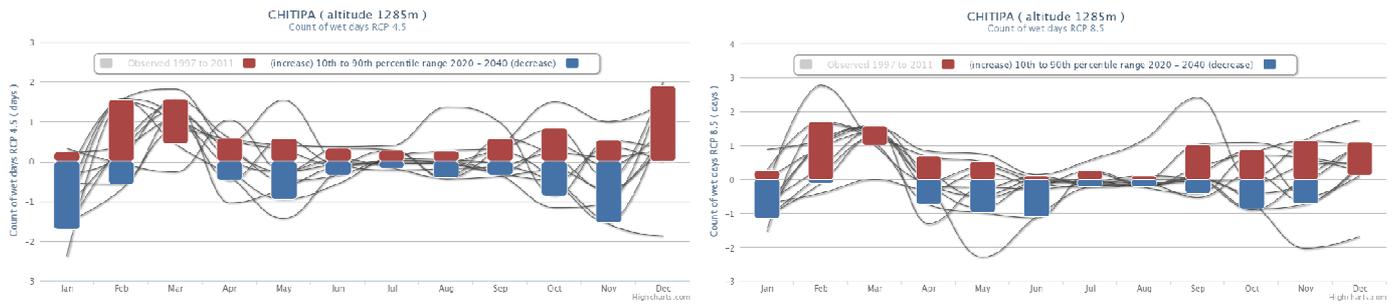


Figure B.6.3: Change in monthly rain day frequency (rain day = rain > 0.3 mm) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITIPA station.

Projected change in monthly mean rain day frequency (> 20mm)

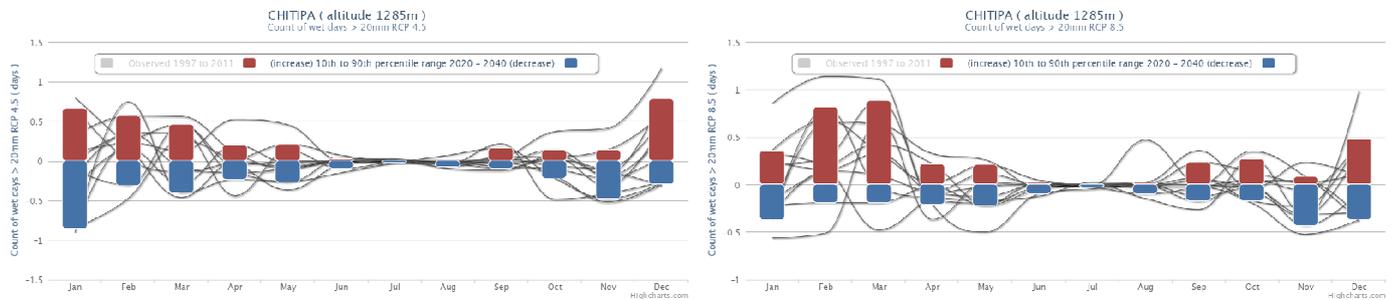


Figure B.6.4: Change in monthly rain day frequency > 20 mm using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITIPA station.

Projected change in monthly extreme rain day frequency (> 95th percentile)

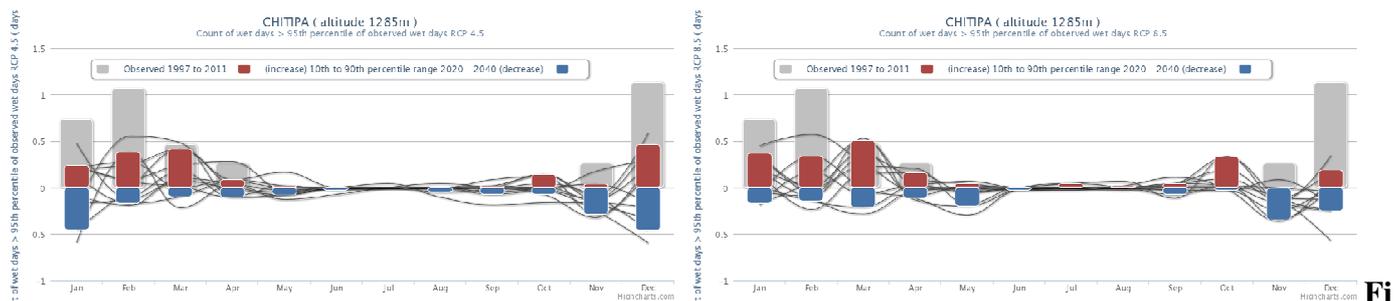


Figure B.6.5: Change in monthly rain day frequency > 43.4 mm using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITIPA station.

Explanation of Climate Projection Plots - Temperature anomalies: Bars represent the range between the middle 80 percent of the projected change. They are presented as monthly mean change (either in days or degrees Celsius). Blue represents below the zero line, while red represents above the zero line. The grey lines show the projected change for each individual model.

Monthly mean maximum daily temperature change

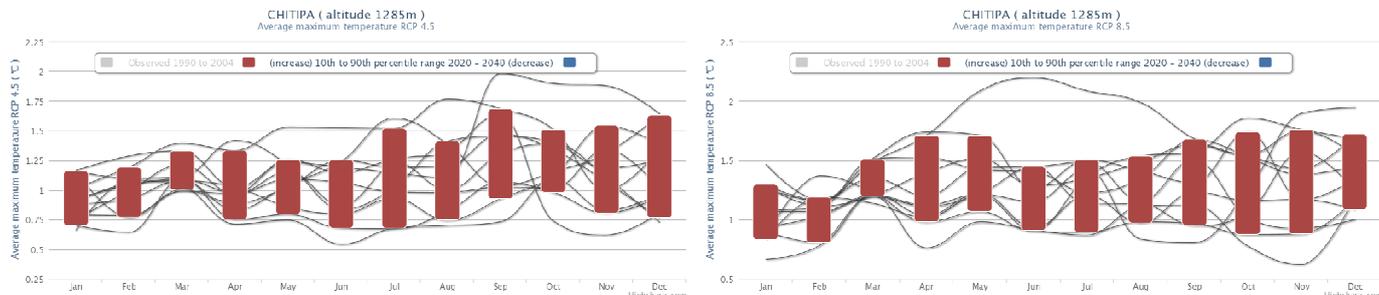


Figure B.6.6: Change in monthly mean maximum daily temperature (deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITIPA station.

Monthly mean maximum days above 36 degree C

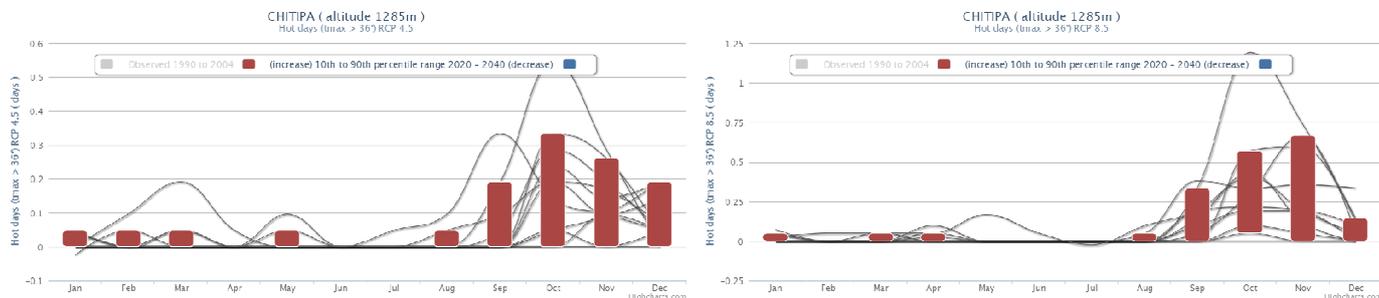


Figure B.6.7: Change in days above 36 deg C using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITIPA station.

Monthly mean maximum days above 95th percentile

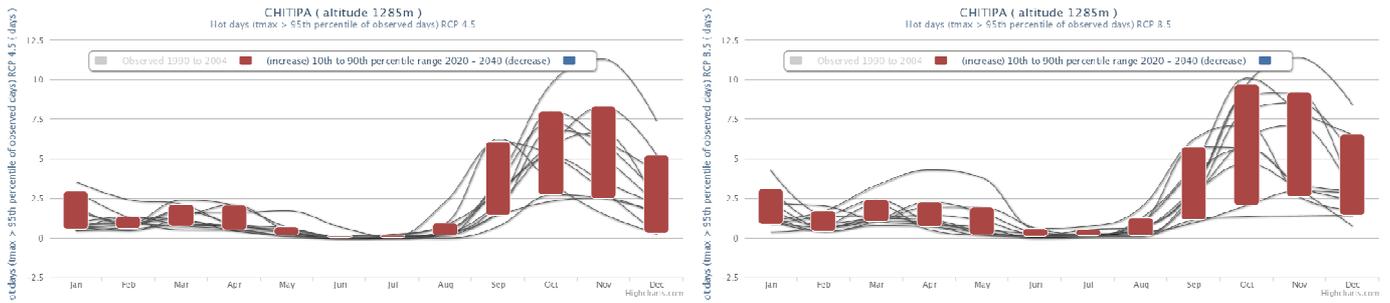


Figure B.6.8: Change in days above 31.9 deg C using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITIPA station.

Monthly mean heat spell duration

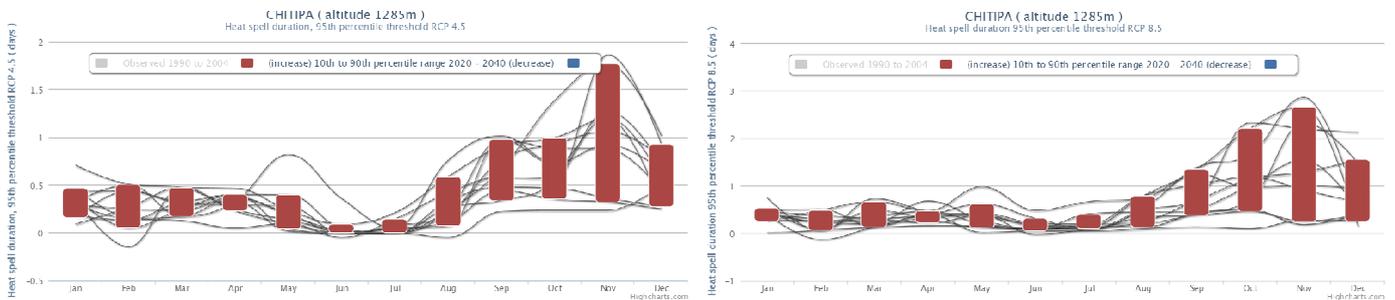


Figure B.6.9: Change in heat spell duration (31.9 deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITIPA station.

Monthly mean minimum daily temperature change

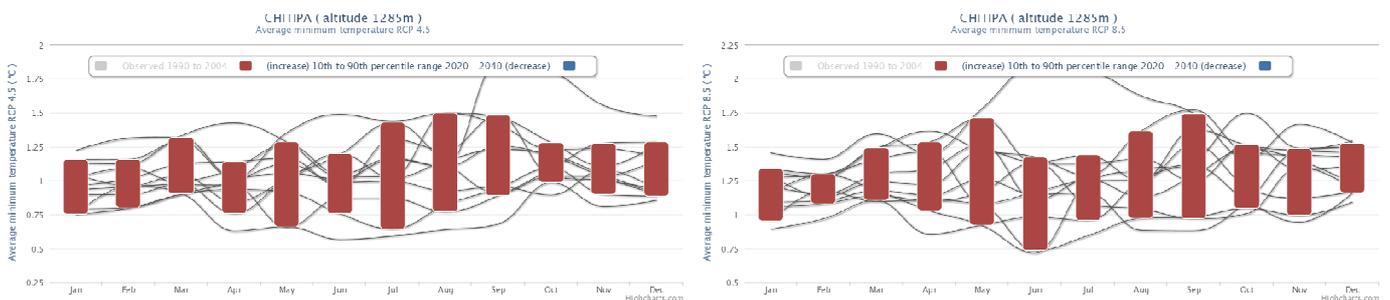


Figure B.6.10: Change in monthly mean minimum daily temperature (deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for CHITIPA station.

B.7: Climate Summary for DEDZA

Climate Projections - Precipitation

Explanation of Climate Projection Plots - Precipitation Anomalies: Bars represent the range between the middle 80 percent of the projected change. They are presented as monthly mean change (either in days or mm). Blue represents below the zero line, while red represents above the zero line. The grey lines show the projected change for each individual model.

Projected change in monthly total rainfall

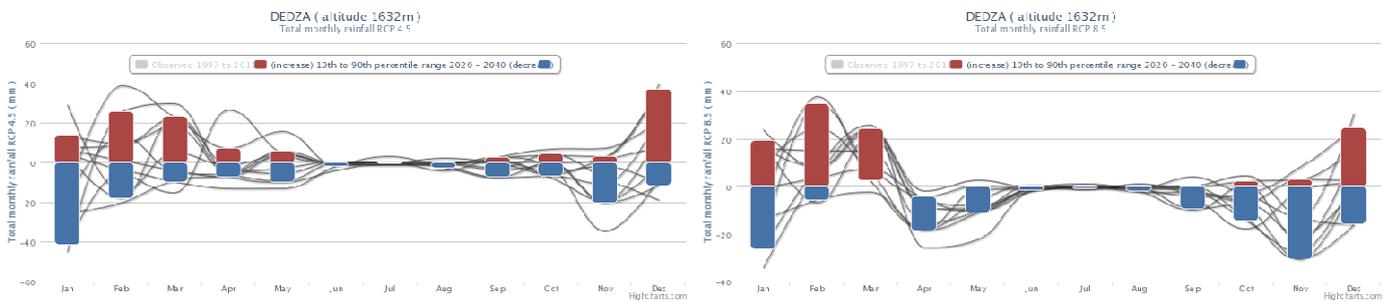


Figure B.7.1: Change in monthly total rainfall using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for DEDZA station.

Projected change in monthly mean dry spell duration change

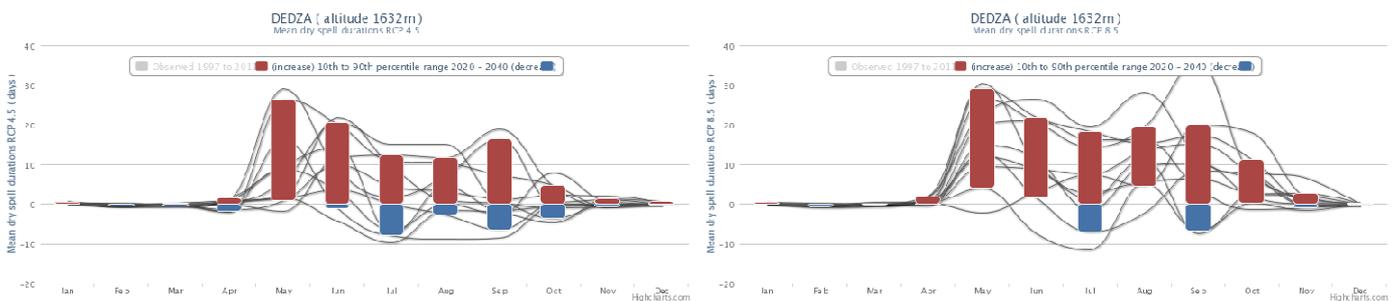


Figure B.7.2: Change in monthly mean dry spell duration (> 0.3 mm) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for DEDZA station.

Projected change in monthly mean rain day frequency

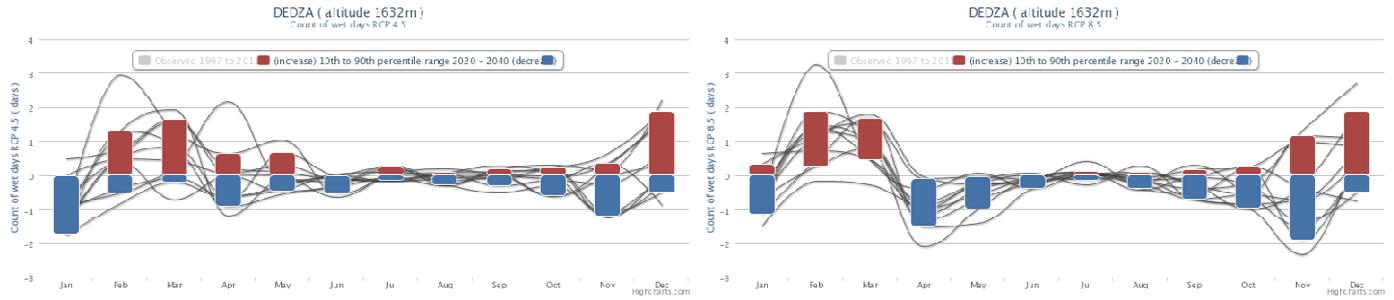


Figure B.7.3: Change in monthly rain day frequency (rain day = rain > 0.3 mm) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for DEDZA station.

Projected change in monthly mean rain day frequency (> 20mm)

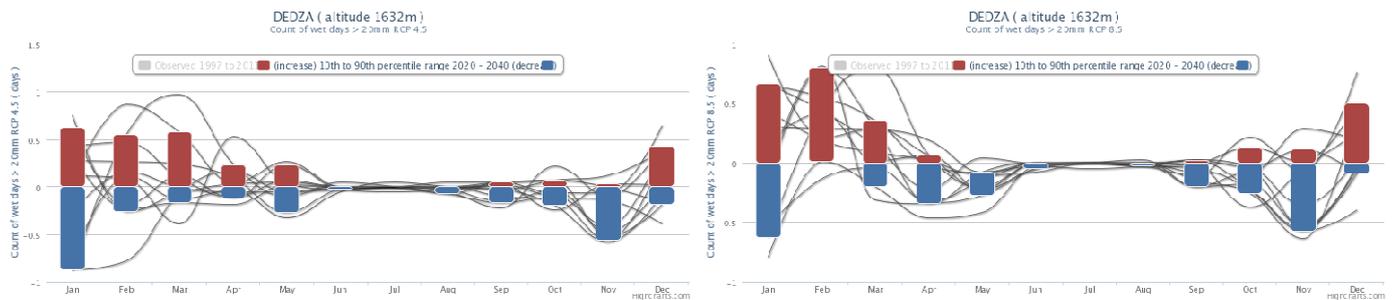


Figure B.7.4: Change in monthly rain day frequency > 20 mm using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for DEDZA station.

Projected change in monthly extreme rain day frequency (> 95th percentile)

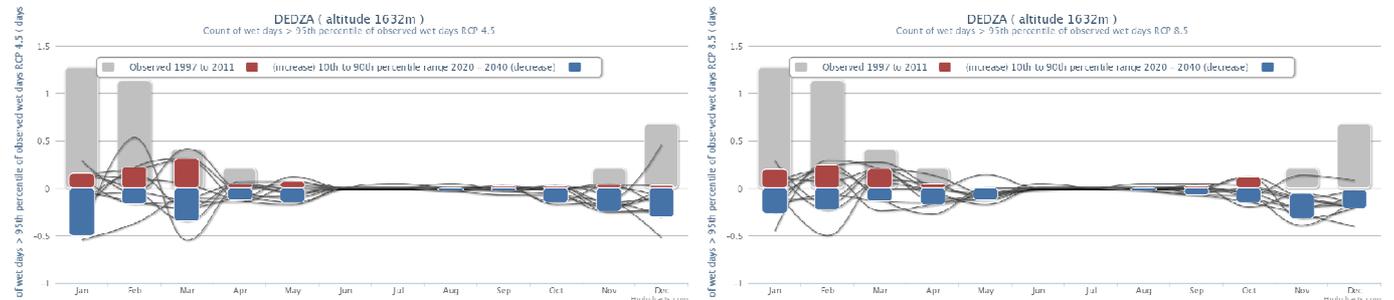


Figure B.7.5: Change in monthly rain day frequency > 37.7 mm using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for DEDZA station.

Climate Projections - Temperature

Explanation of Climate Projection Plots - Temperature anomalies: Bars represent the range between the middle 80 percent of the projected change. They are presented as monthly mean change (either in days or degrees Celsius). Blue represents below the zero line, while red represents above the zero line. The grey lines show the projected change for each individual model.

Monthly mean maximum daily temperature change

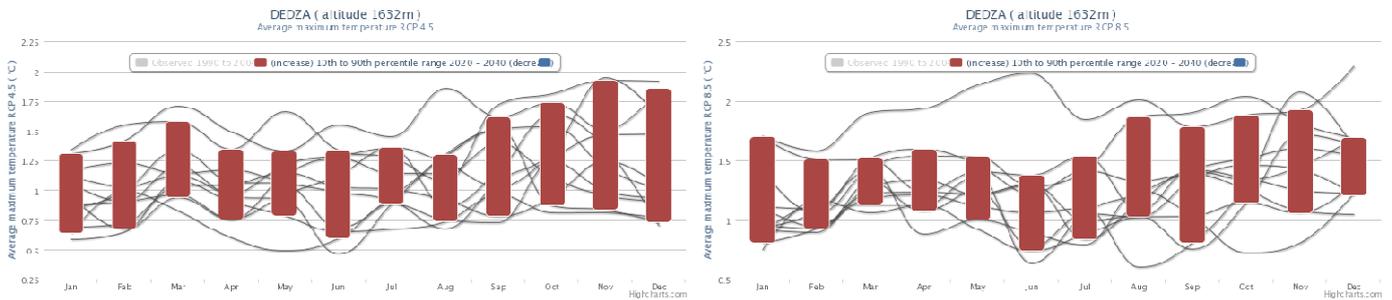


Figure B.7.6: Change in monthly mean maximum daily temperature (deg C) using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for DEDZA station.

Monthly mean maximum days above 36 degree C

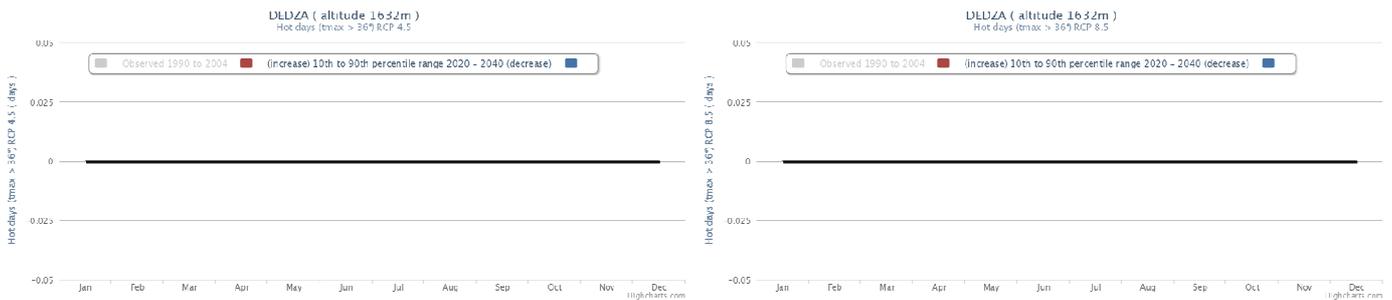


Figure B.7.7: Change in days above 36 deg C using the RCP 4.5 (left) and RCP 8.5 (right) emission scenarios for DEDZA station.