The manuscript "Trends in rainfall and temperature extremes in Morocco" is focused on a standard analysis of time series from eight weather stations in Morocco. The authors should improve the manuscript by adding more details and rephrasing some parts (see the specific comments). For instance, Do all results refer to the full period of availability? If yes, I think the authors should analyse the available series also on a common time period. Moreover, the OLS approach could be replaced by the Theil-Sen estimator (see the specific comments). Finally, it would be worth to perform a change point analysis.

Authors had long discussed the choice of using datasets with different start and end dates, we have agreed to use the whole period of data availability of each dataset studied but also we agreed to add an analyze of the common small period (1983-2005). This was done but its results are not shown in the paper because the most significant trends were found for the whole periods. This is explained in the paper (Lines:111 to 114 → "The common period to all the datasets is between 1983 and 2005, this work was performed on the overall periods of data availability and also on the common period of 23 years, the most significant results were obtained from the long periods. Here after we show the most significant results, those relative to the common period are not presented").

Effectively we have used the Theil-Sen estimator approach at first. We found that it could be a good method for analyzing trends in total rainfall and mean maximum and minimum temperature but it is not very suitable for studying trends in extreme events as it is remarkably affected with ties. We decided then to use the OLS for our trends studies knowing that the results it gives are not very different from those of the Sen's slope approach. Now for this paper, we considered the Theil-Sen estimator for studying the trends in total rainfall and mean maximum and minimum temperature instead of the OLS while we kept this later for trends in extreme events.

The change point analysis was performed.

Specific Comments

1176, 18-19: This sentence is too generic. I suggest to modify it. **DONE**

1177, 1-7: where do these numbers come from? Can the authors add a ref? **Ref added.**

1177, 13-14: I suggest to rephrase. **DONE**

1177, 16: interested. **DONE**

1178, 4: there is no need of "longitudes", "latitudes". **OK**

1178, 8-9: I suggest to rephrase. **DONE**

1179, 2: According to Fig. 1, there is only one station in Tensift while the area of Bouragreg has two stations but located along the borders.

This is right. Unfortunately, we have only two available stations that measure daily temperature and rainfall data in each studied region, we decided to consider Rabat Sale and Kasba Tadla as representative of the Bouregreg area while Marrakech and Safi are representative of the Tensift basin, this explanation was added to the paper.

1179, 22: Kuglitsch et al. **OK**

1179, 23: I would replace "datasets" with "series". **DONE**

1179, 22- 23: Please clarify what you mean with elimination. **DONE**

1180, 3-7: I suggest to rephrase. **DONE**

1180, 10-17: Could the authors provide some details? How have discontinuities been considered?

As you requested, we have studied break points and analyzed discontinuities in the studied time series. The metadata of each station of measurement were gathered and documented changes in the stations' location and instruments were compared to the found dates of breaks in the time series.

1180, 20: from year XXXX to year XXXX. Please specify.

On the whole period of data availability.

1181: Please provide details on the estimation period and method for the percentiles. **DONE**

1182, 6-9: Since the estimated slopes are not significant, I would use the word "tendency" rather than "trend". **OK**

1182, 12: What does "generalized" mean here? Also here I would replace the word "trend" with "tendency" **DONE**

We mean by "generalized", observed for many stations.

1183-4: Ditto. **OK**

1186, 28: Please clarify this link or rephrase the sentences. **DONE**

Figure 2. Please improve the caption. **DONE**

Tables 2-7: I suggest, "Significant values (95% level) are denoted in bold". Standard errors should be added.

It was already done, all the significant values are denoted in bold.

Standard errors were added.

Since the lack of normality affects the estimated confidence intervals (especially for count series), the authors could consider to apply a different approach, e.g. Theil-Sen estimator.

As you have already requested, the magnitude of trends in the time series of total rainfall and maximum and minimum temperatures has been analyzed using the non parametric method proposed by Theil (1950) and Sen (1968) for univariate time series. The ordinary linear regression (OLS) was used for trend detection in the frequency of identified extreme events because the Sen's slope is affected by ties that appear in extreme events time series.