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REVIEWER'S REPORT

Manuscript No.: IJAR-56718

Title: TENDANCE D'EVOLUTION ET MODE D'OCCURRENCE DES PLUIES EXTREMES DANS LE 1 DOMAINE CLIMATIQUE SUD-SOUDANIEN A L'OUEST DU BURKINA FASO.

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revisionYES.....

Do not accept (*Reasons below*).....

Rating	Excel.	Good	Fair	Poor
Originality		Yes		
Techn. Quality		Yes		
Clarity				Yes
Significance			Yes	

Reviewer's ID: JPR-205

Detailed Reviewer's Report

The manuscript addresses an important and timely topic concerning the evolution and occurrence patterns of extreme rainfall events in the south-Sudanian climatic zone of Burkina Faso. The study demonstrates good originality and is supported by a relatively long-term dataset, which strengthens the reliability of the findings. The use of established statistical techniques such as the Mann-Kendall test, Pettitt test, and Gumbel distribution is appropriate and reflects a sound methodological framework. The results provide useful regional insights, particularly in understanding rainfall variability and associated risks, which are relevant for climate adaptation and agricultural planning.

However, the manuscript requires major revision before it can be considered for publication. A primary concern is that the main body of the paper is written in French, while only the abstract is in English, which significantly limits accessibility and prevents a comprehensive evaluation by a broader scientific audience. Additionally, the clarity and organization of the manuscript need improvement, as several sections are descriptive without sufficient critical interpretation of the results. The discussion should be strengthened by better linking findings to existing literature and highlighting broader implications. Figures and results also require more detailed explanation. Addressing these issues, particularly providing a complete

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English version and improving the depth of analysis, would substantially enhance the quality and impact of the manuscript.