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# Using WWLLN to track tropical cyclone Irena

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## Abstract content <br>   (Max 300 words)

It is possible to predict and track storm cells using a VLF based lightning location network. This can serve to warn people of the possibility of flash floods or significant lightning activity, both of which represent an appreciable threat to human life. Using the WWLLN global lightning detection network, we have attempted to track the passage of the recent tropical cyclone Irena, which was the cause of significant rainfall on the East coast of South Africa. The WWLLN network has one distinct advantage over the network currently employed by the SAWS for locating lightning, namely its ability to detect lightning over the warm Mozambique current. This technique, presented as a proof of concept, can be used to track future tropical cyclones,or other major rainfall events further inland.


## Apply to be<br> consider for a student <br>   award (Yes / No)?

Yes

## Level for award<br> (Hons, MSc, <br>   PhD)?

PhD

## Main supervisor (name and email)<br>and his / her institution

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## Would you like to <br> submit a short paper <br> for the Conference <br> Proceedings (Yes / No)?

Yes


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