On the maps the frequency can be converted to a percentage by multiplying by 100, for example 0.6 on the above-normal map would mean that in 60% of La Nina cases there was above-normal rainfall totals observed for the specific season.
2. Rainfall Forecast (October 2011 to February 2012)

October-November-December
Enhanced probabilities for below-normal rainfall totals are expected for parts of Limpopo, North-West, Gauteng, Mpumalanga, Free State and Eastern Cape.

November-December-January
No Enhanced probabilities for a specific category to occur.
Enhanced Probabilities is considered to be more than 45% probability for a specific category. If there are areas that do not show an indication of more than 45% probability, then the forecasts for that area is considered to be uncertain.

**December-January-February**
Enhanced probabilities for above-normal rainfall totals are expected for parts of Mpumalanga, Western Cape and Eastern Cape. Enhanced probabilities for below-normal rainfall totals are expected for most parts of South Africa.
3. Minimum Temperature Forecast (October 2011 to February 2012)

**October-November-December**
No Enhanced probabilities for a specific category to occur.

**November-December-January**
Enhanced probabilities for below-normal minimum temperatures expected for parts of Limpopo, North-West and Mpumalanga.

*Enhanced Probabilities is considered to be more than 45% probability for a specific category. If there are areas that do not show an indication of more than 45% probability, then the forecasts for that area is considered to be uncertain.*
Enhanced Probabilities is considered to be more than 45% probability for a specific category. If there are areas that do not show an indication of more than 45% probability, then the forecasts for that area is considered to be uncertain.

**December-January-February**
Enhanced probabilities for above-normal minimum temperatures expected for parts of Northern Cape, Kwazulu-Natal, Eastern Cape and Western Cape. Enhanced probabilities of below-normal minimum temperatures expected for most parts of South Africa.
4. Maximum Temperature Forecast (October 2011 to February 2012)

**October-November-December**
Enhanced probabilities for above-normal maximum temperatures expected for parts of North-West, Mpumalanga, Northern Cape, Free State, Eastern Cape and Western Cape.

**November-December-January**
Enhanced probabilities for above-normal maximum temperatures expected for parts of Western Cape. Enhanced probabilities of below-normal maximum temperatures expected for parts of Limpopo, North-West, Gauteng, Mpumalanga, Northern Cape and Free State.

Enhanced Probabilities is considered to be more than 45% probability for a specific category. If there are areas that do not show an indication of more than 45% probability, then the forecasts for that area is considered to be uncertain.
Enhanced Probabilities is considered to be more than 45% probability for a specific category. If there are areas that do not show an indication of more than 45% probability, then the forecasts for that area is considered to be uncertain.

**December-January-February**
Enhanced probabilities of below-normal maximum temperatures expected for most parts of South Africa.
Forecast of EXTREME rainfall conditions: October-November-December 2011

EXTREMES refer to the highest or lowest 15% of the climatological record. The bar on the bottom of each map below shows the probabilities of exceeding the highest or lowest 15% thresholds.

No enhanced probabilities for extremely above- or below-normal rainfall totals.

The Extreme forecast gives users an indication of whether droughts (extremely below-normal rainfall totals) or floods (extremely above-normal rainfall totals) may occur. Keep in mind that floods and droughts or the lack thereof may also be a result of land use and water resource management effects as well as extreme rainfall events.
All the forecasts are a result of an objective multi-model prediction system developed at the South African Weather Service. This system comprises of long-range forecasts produced by the following institutions:

![South African Weather Service](image1)
![IRI](image2)
![NCEP](image3)
![CSIR](image4)

Useful internet sites to visit:

- Global Forecasting Centre for Southern Africa (GFCSA)
- Risk & Vulnerability Atlas (RAVA)
- International Research Institute Climate and Society (IRI)
- European Centre for Medium-Range Weather Forecasts (ECMWF)
- Climate Prediction Center – National Centers for Environmental Prediction (CPC-NCEP)

**ENQUIRIES**
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