Seasonal Forecasting at the South African Weather Service

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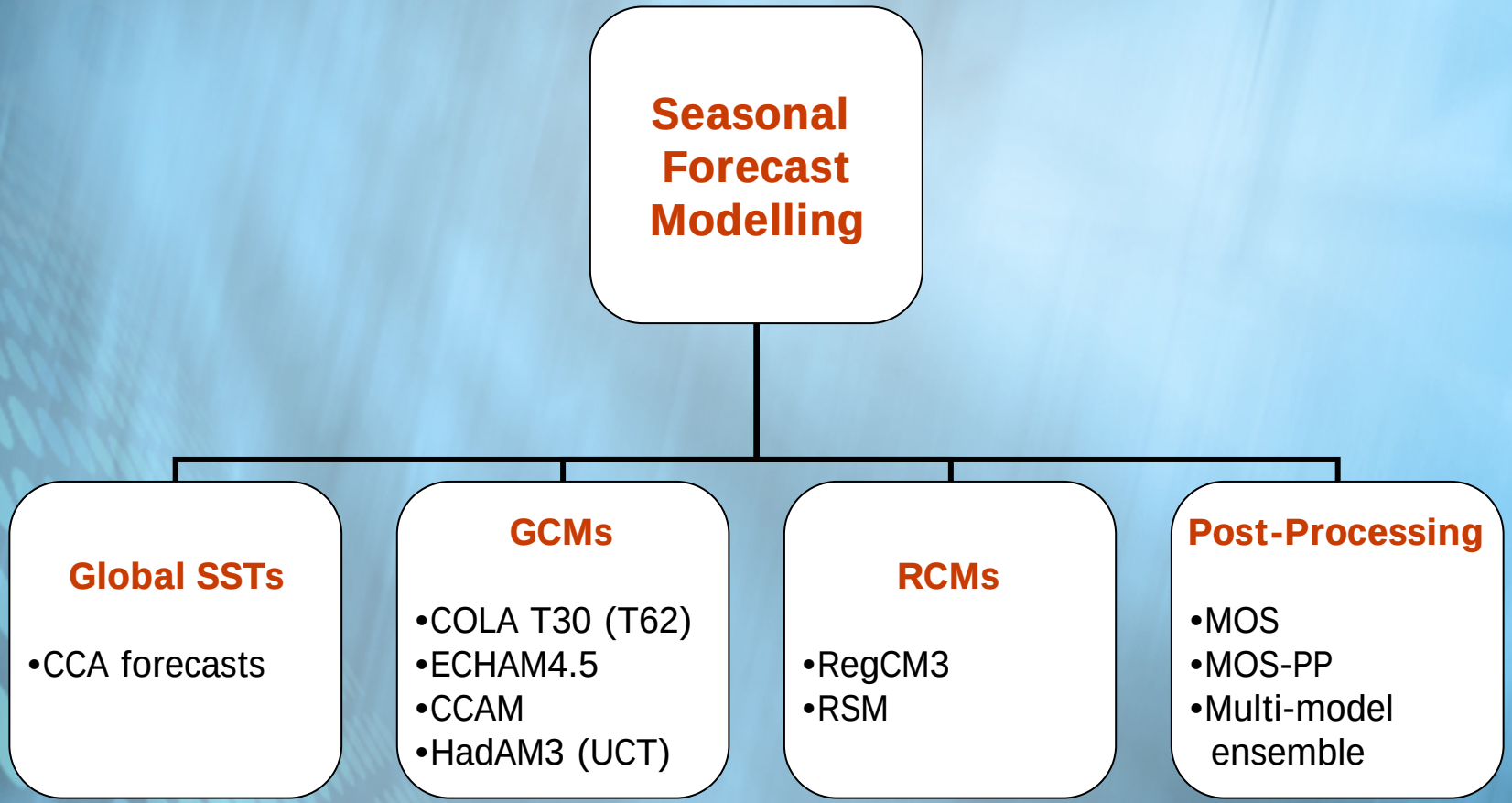
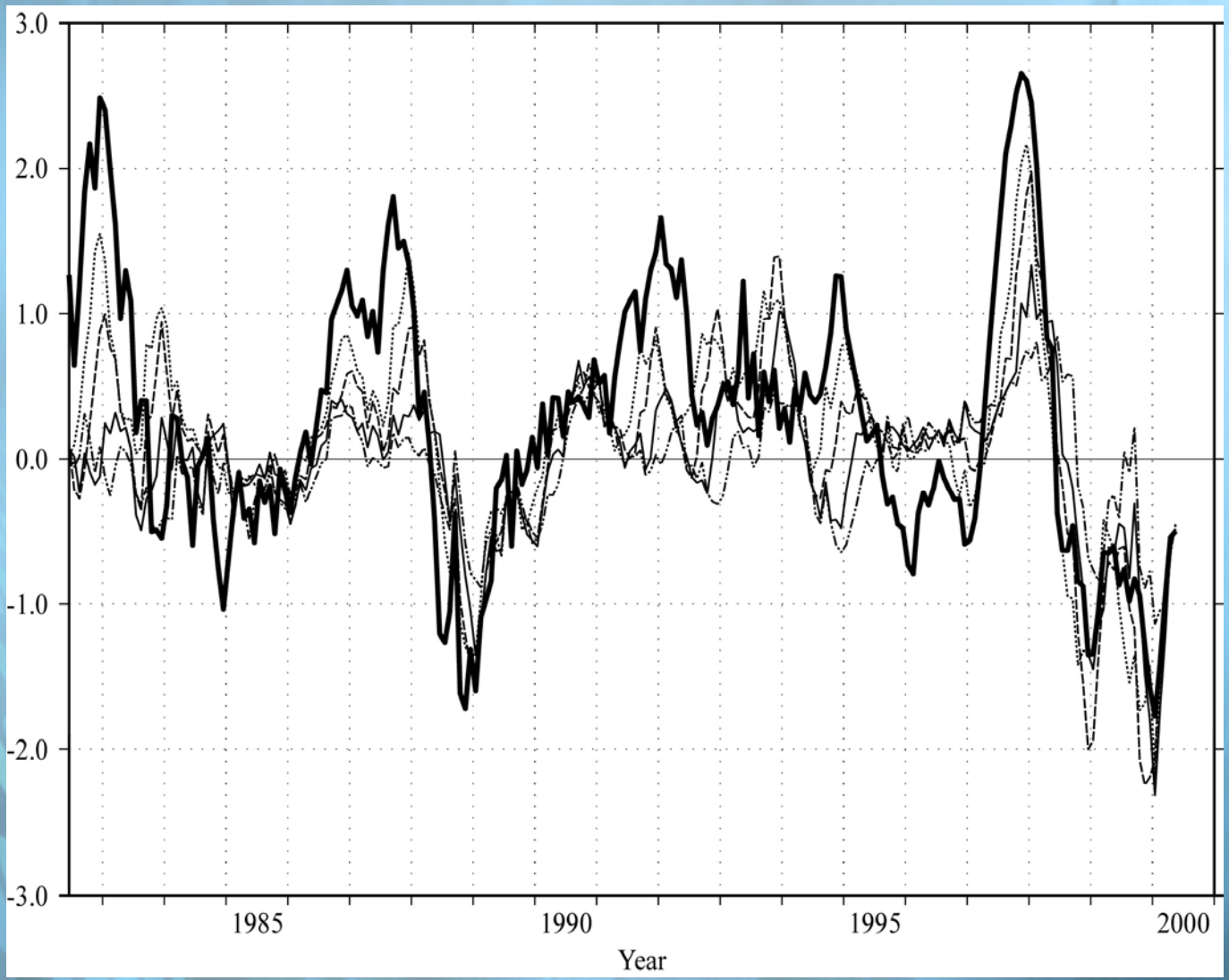
South African Weather Service

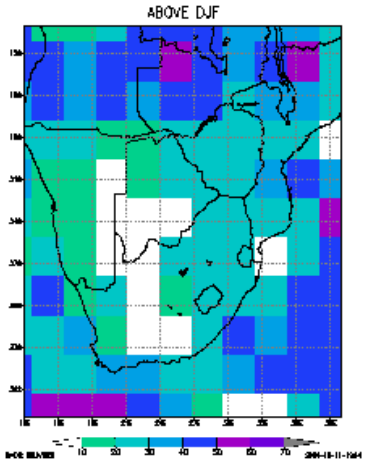
Modelling Structure

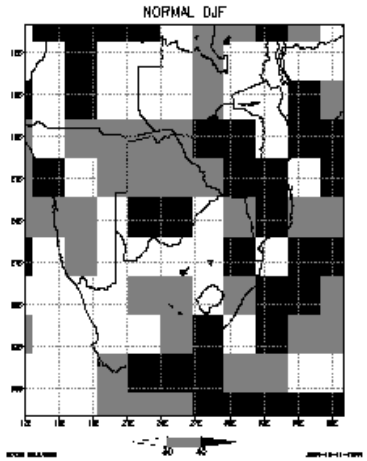


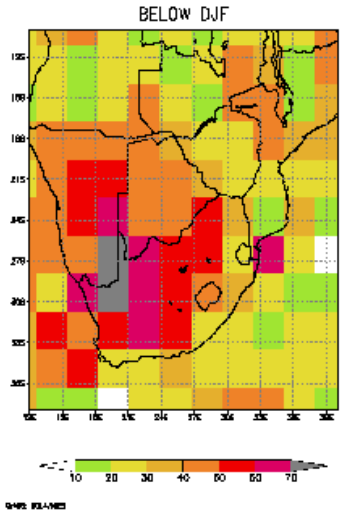
CCA Forecast Skill (Nino3.4)



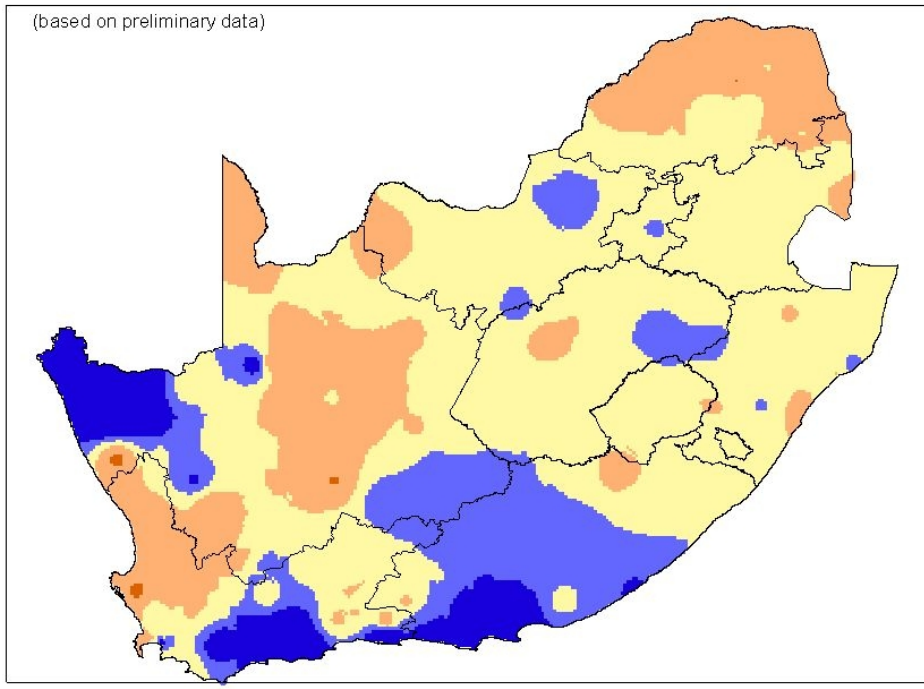
GCM probability forecast: DJF 2004/05



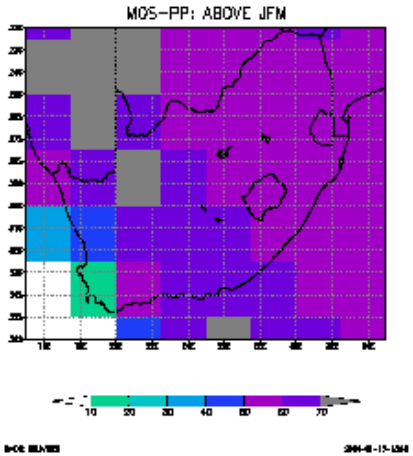


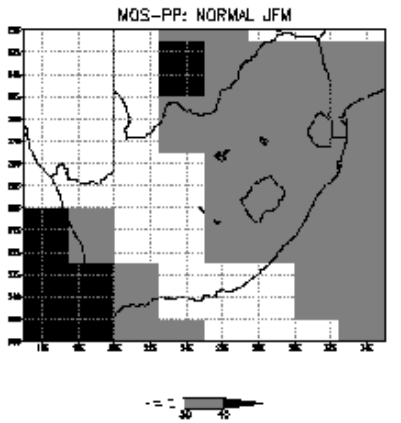


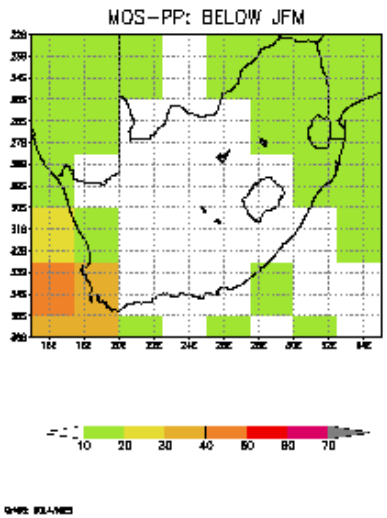
Percentage of Normal Rainfall for the Period
December 2004 to February 2005

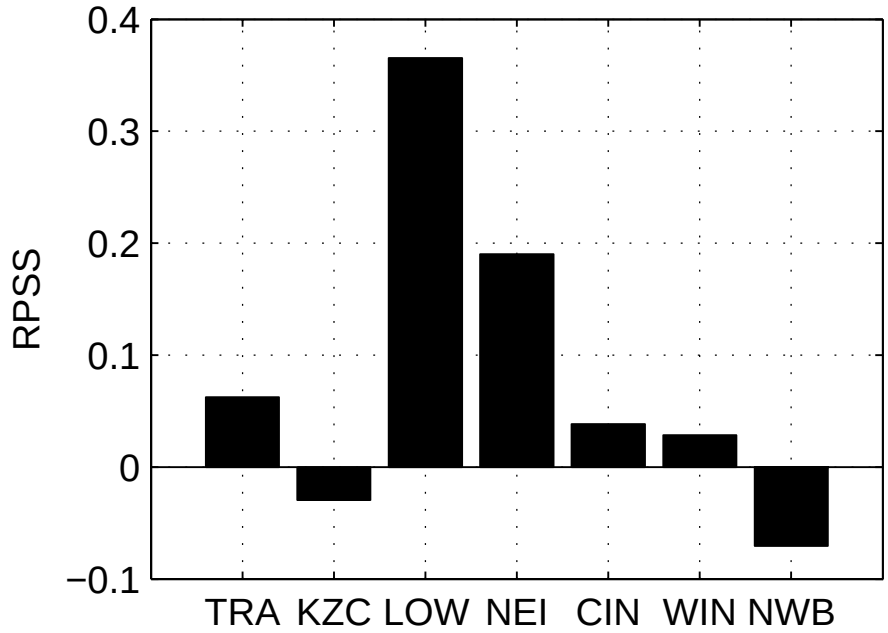


75% - 125%





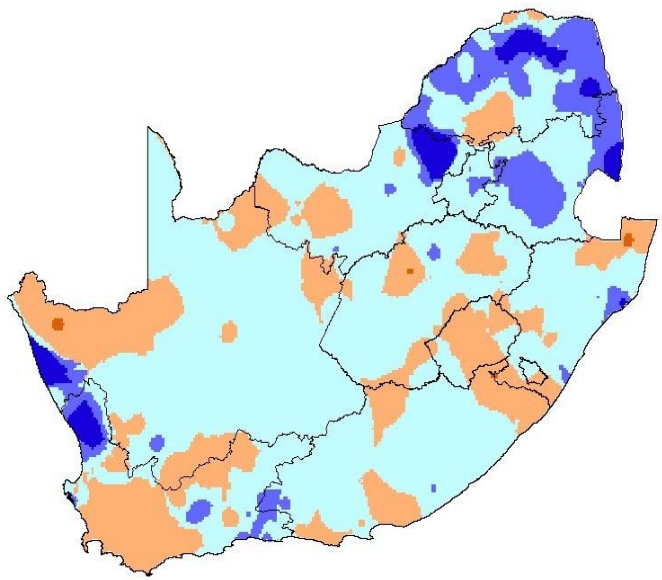




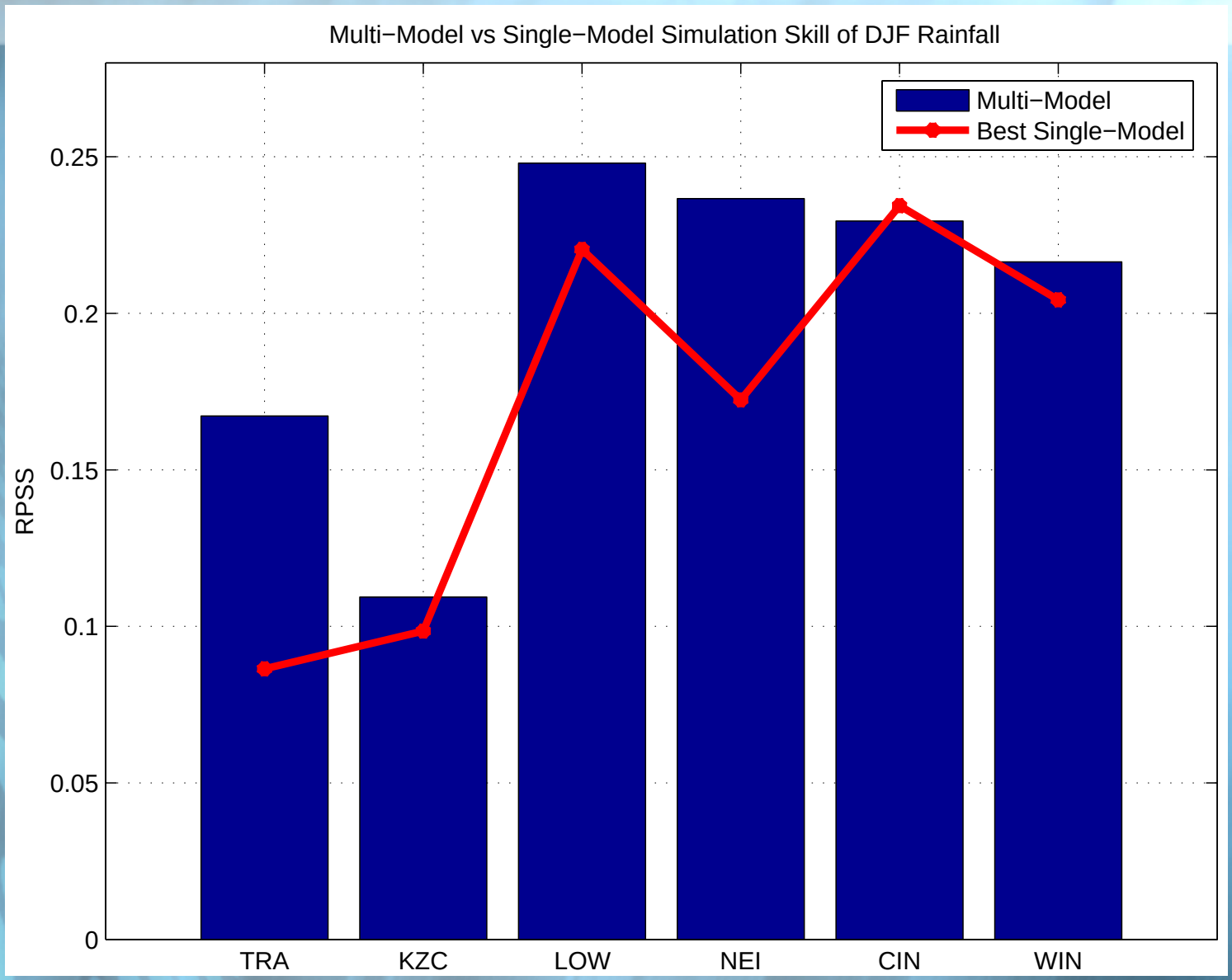
January, February and March 2004

(based on preliminary data)

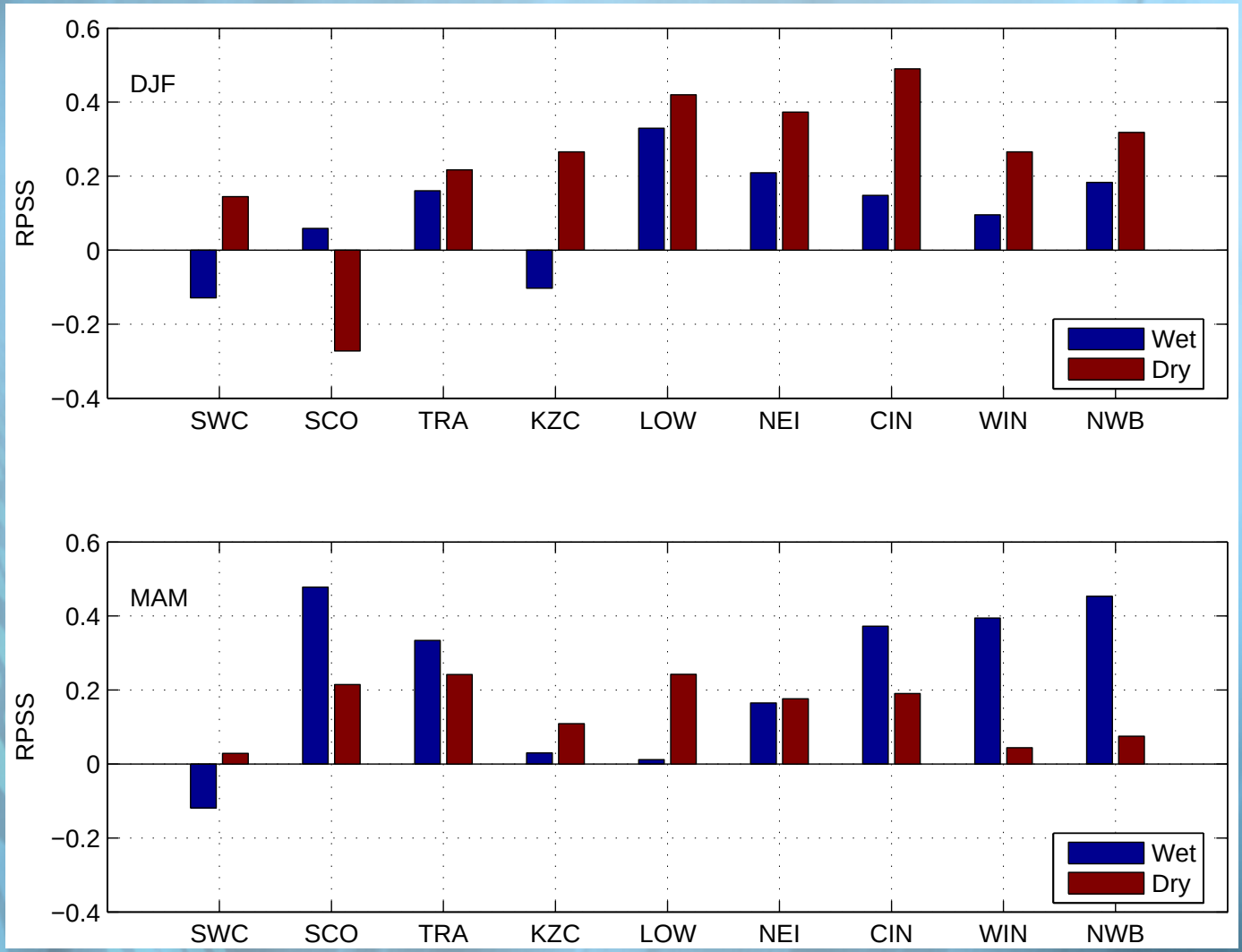
South African Weather Service



Combining Forecasts

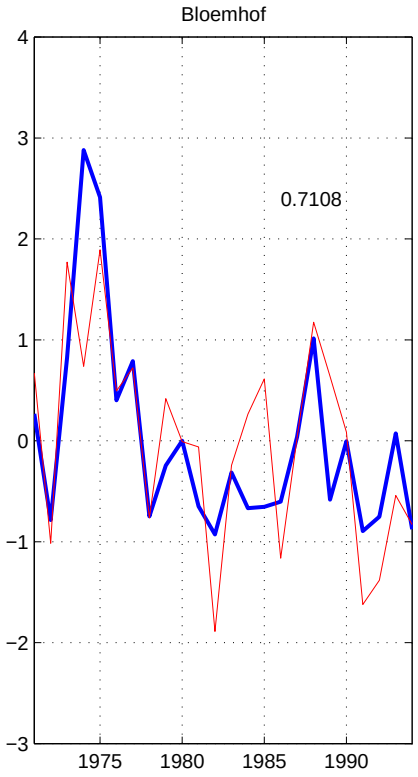


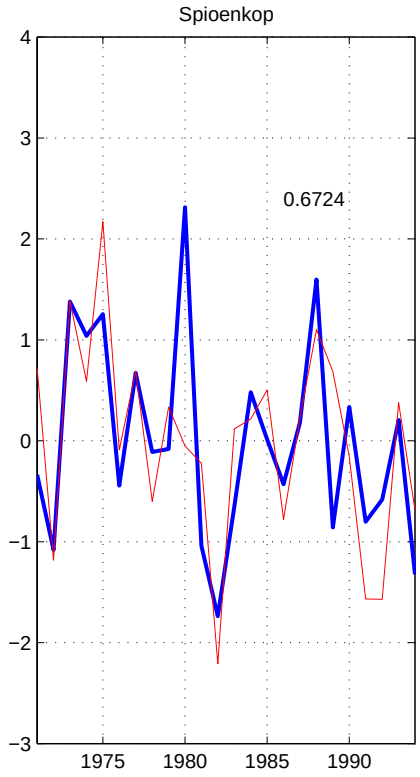
Extreme Season Forecasting



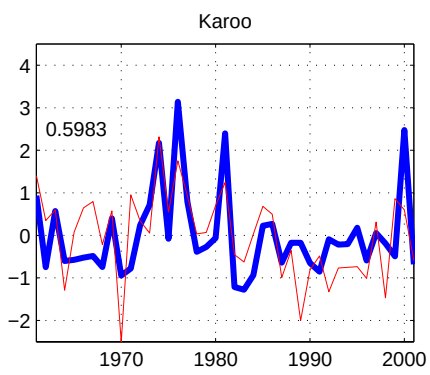
Applications Forecasting

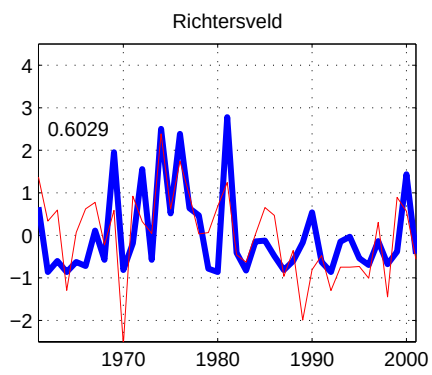
Streamflow

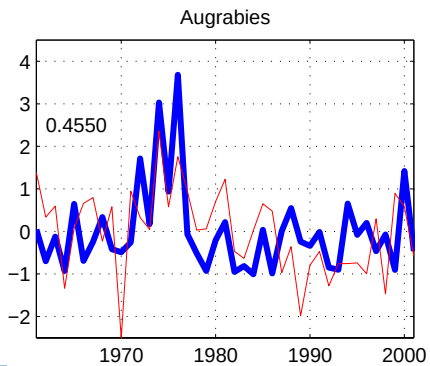


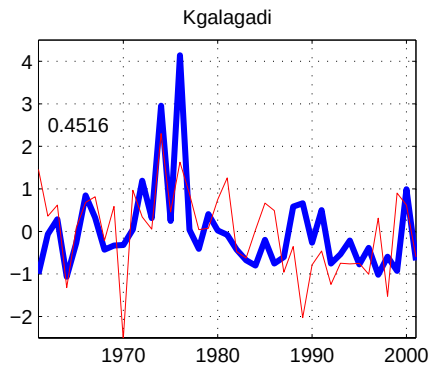


Arid Ecozones

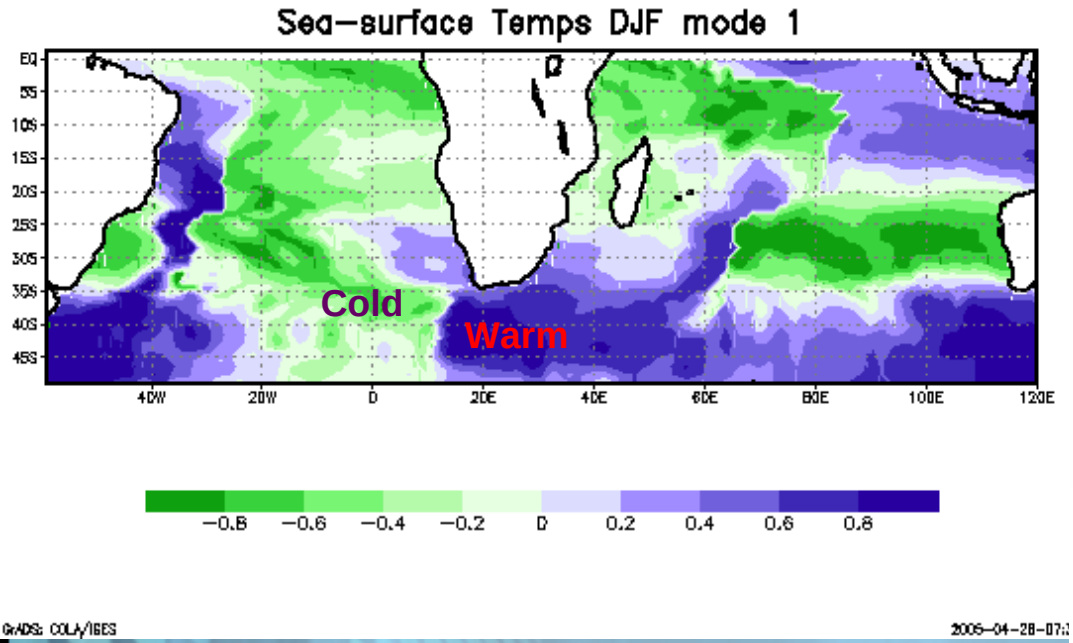


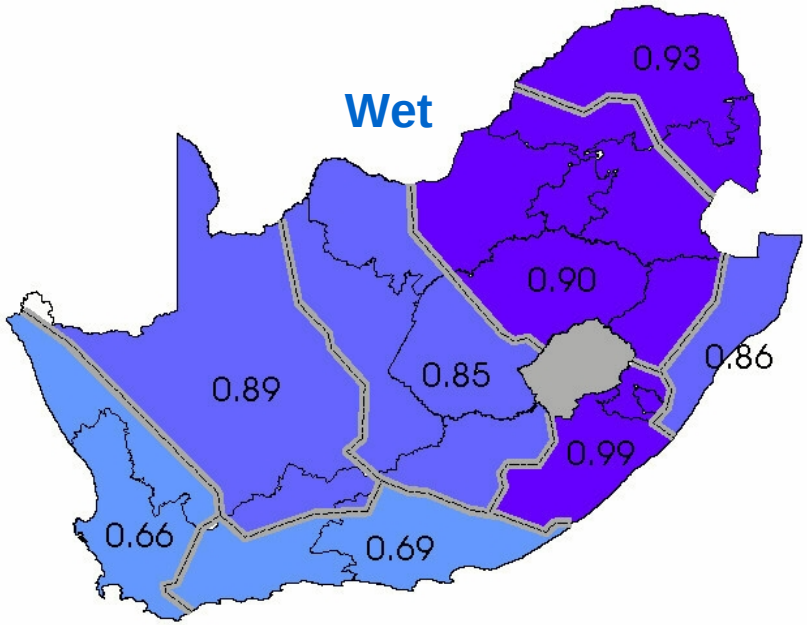


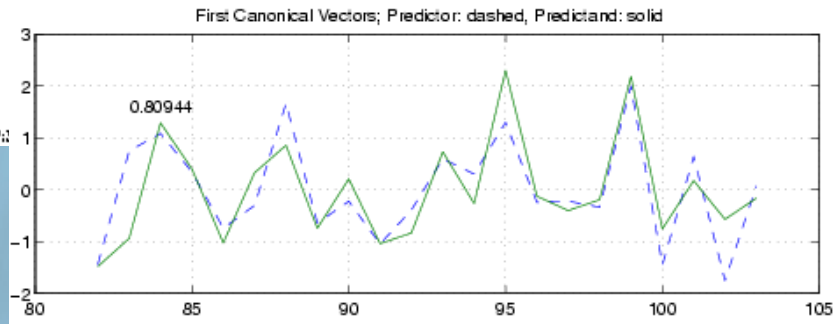




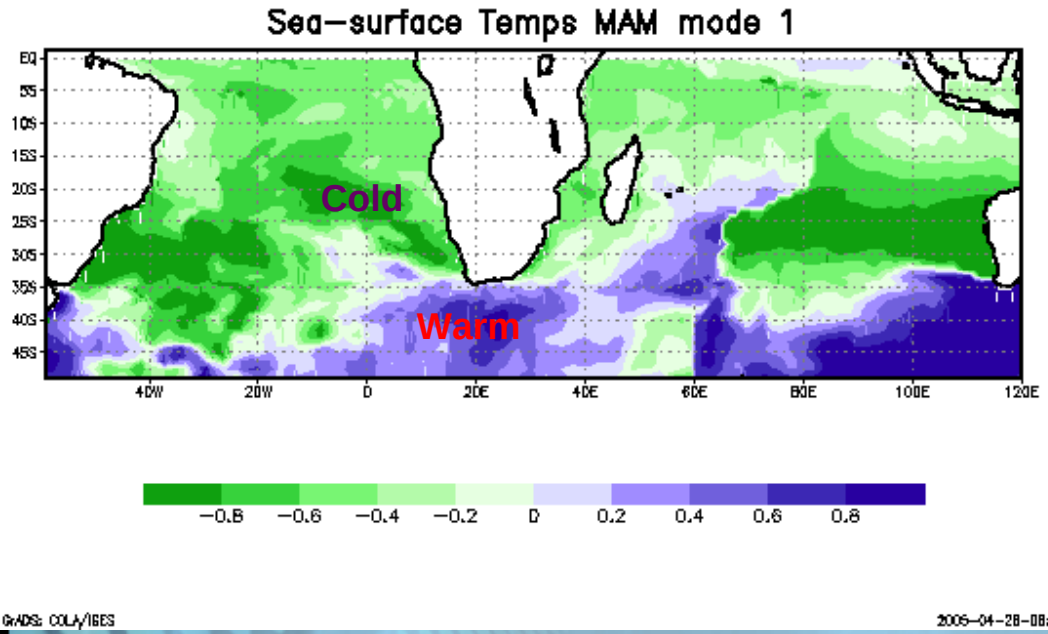
DJF Rain vs DJF SST

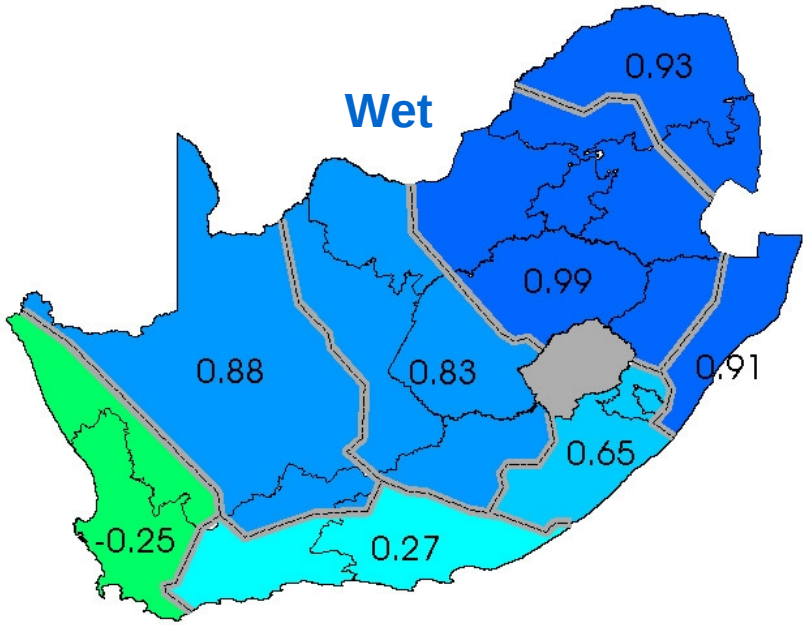


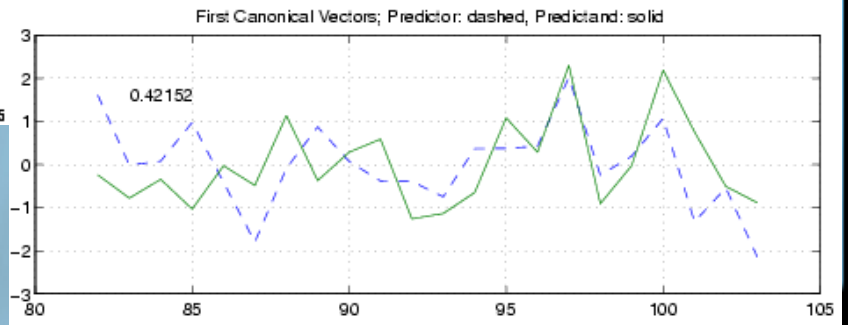


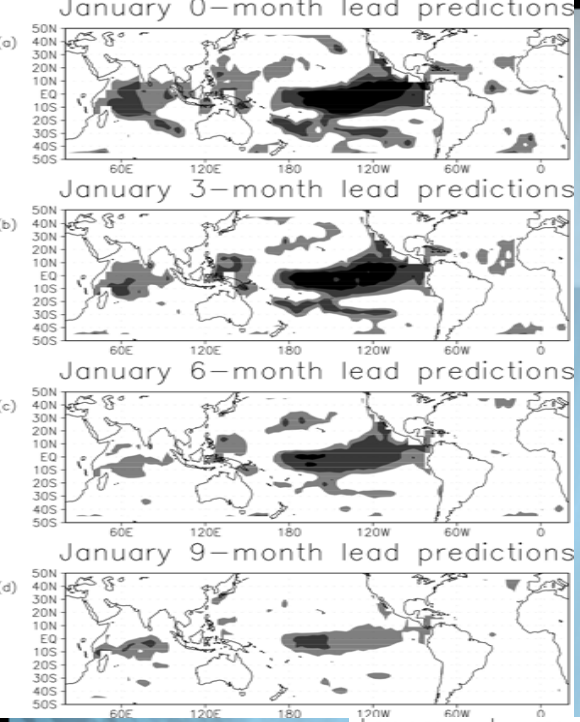


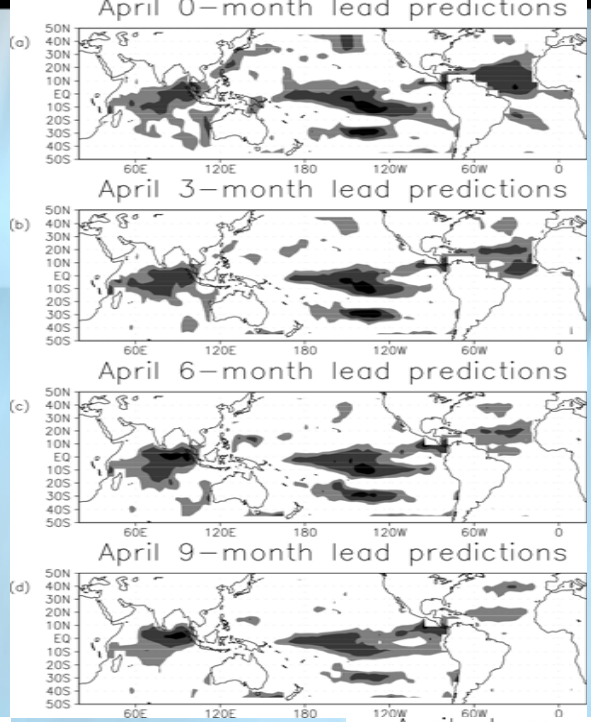
MAM Rain vs MAM SST

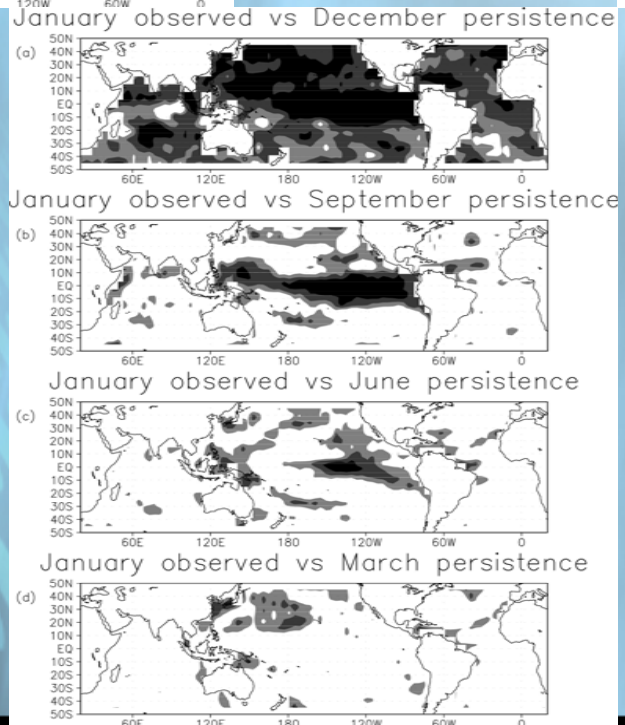


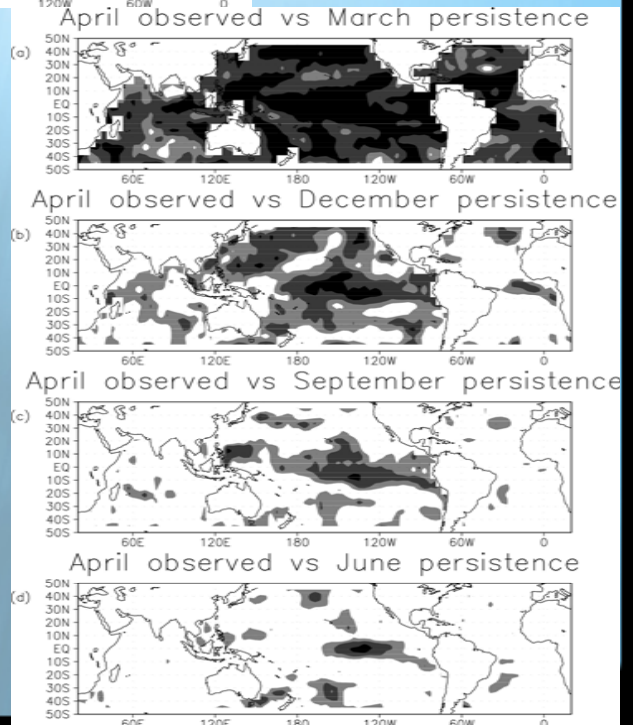





January 0−month lead predictions
January 3−month lead predictions
January 6−month lead predictions
January 9−month lead predictions


April 0−month lead predictions
April 3−month lead predictions
April 6−month lead predictions
April 9−month lead predictions


January observed vs December persistence
January observed vs September persistence
January observed vs June persistence
January observed vs March persistence


April observed vs March persistence
April observed vs December persistence
April observed vs September persistence
April observed vs June persistence