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A statistically based seasonal precipitation forecast model with automatic predictor selection and its application to central and south Asia

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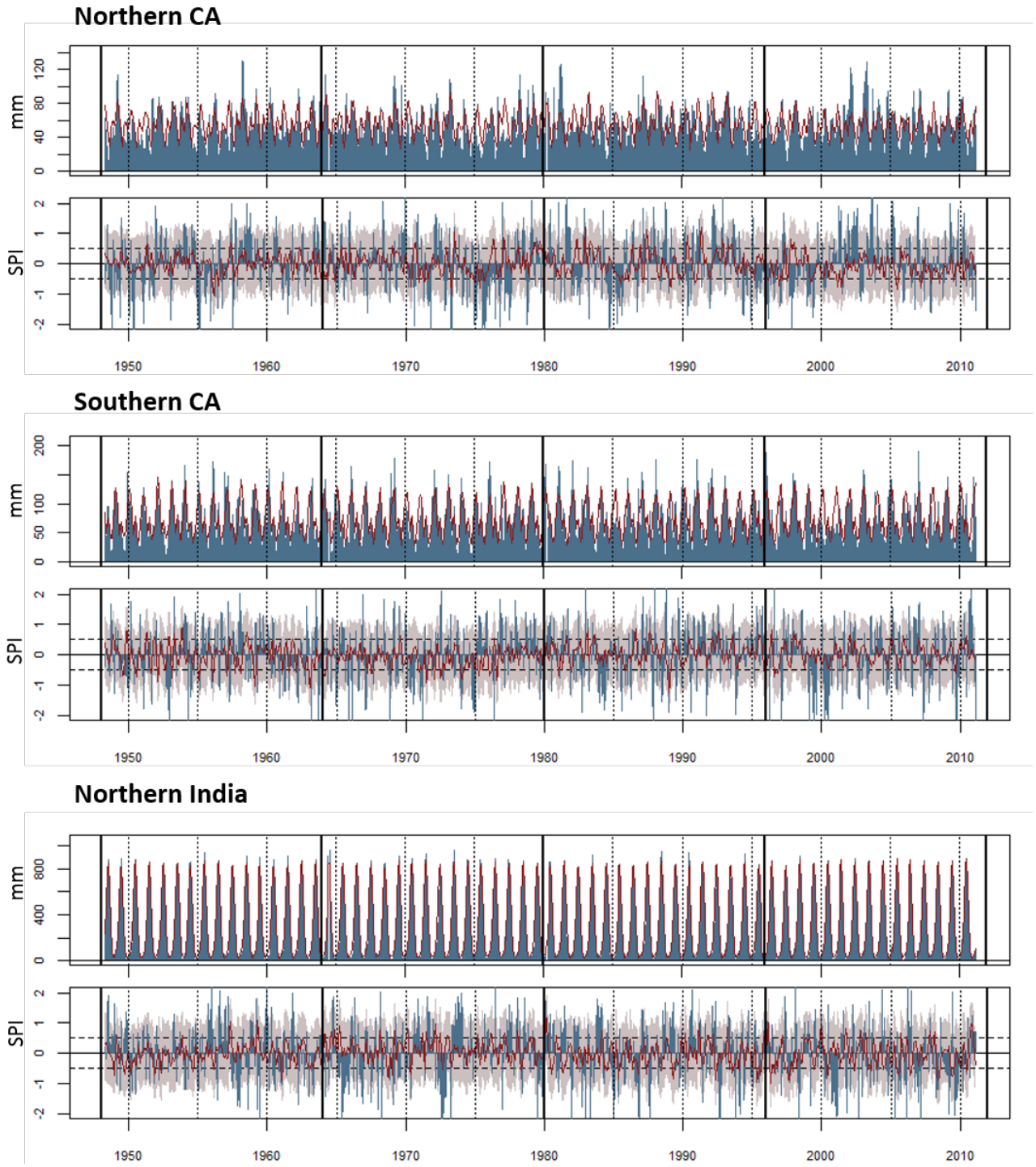
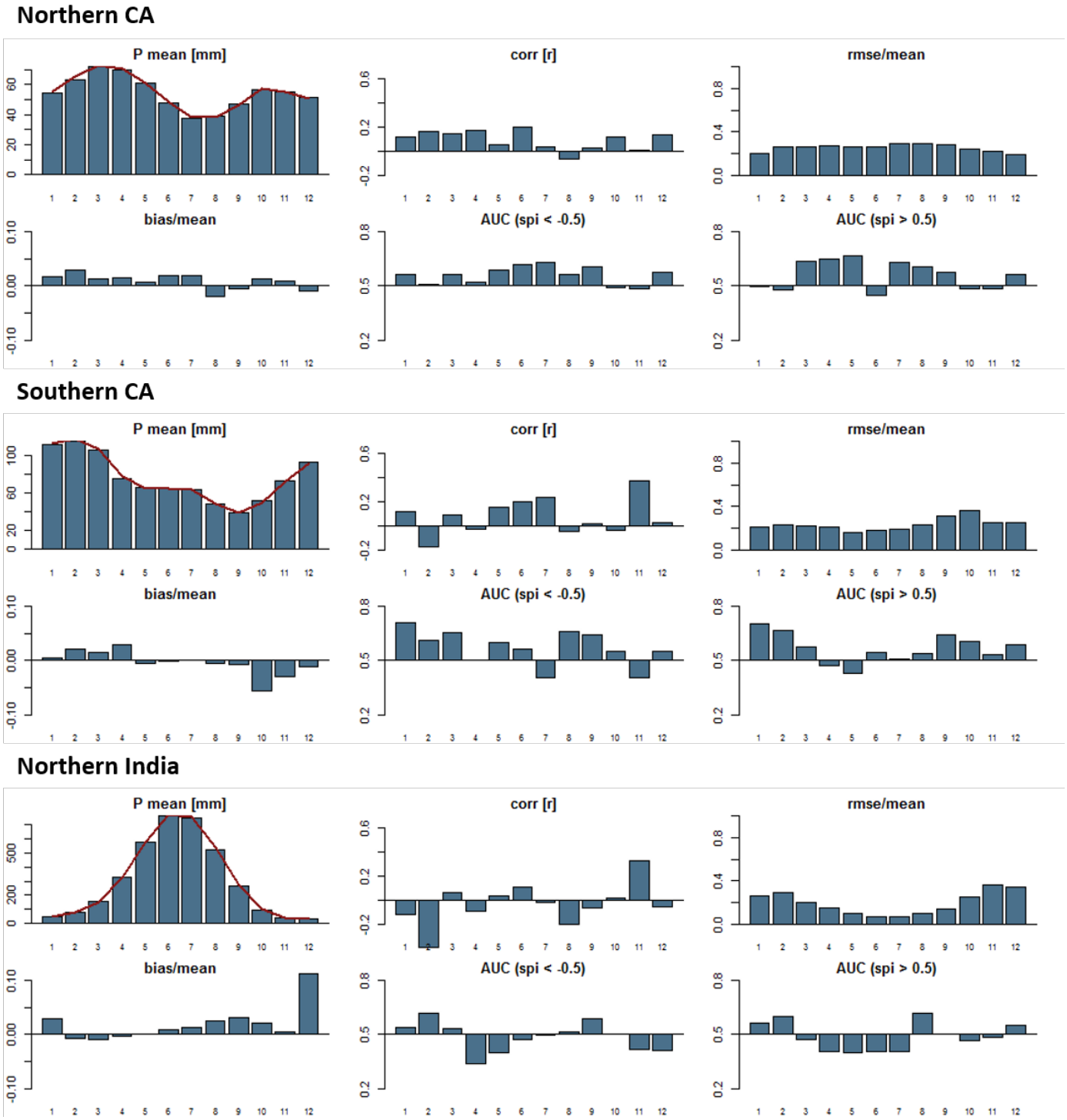
Supplements:



S1: Observed running three-month precipitation totals (blue bars) and modelling results (red line) of the F[4:6] model for selected target regions. The upper panels show absolute precipitation totals for running three-month periods, the lower panel show the corresponding SPI index for each three-month period respectively. Shaded areas indicate the 90% interval of the residual based probabilistic forecast. Black verticals indicate the division of the time series into four independent evaluation samples.



S2: Summary of evaluation measures of the F[4:6] forecast for selected target areas. In order to keep the annual cycle of precipitation amounts, the specified month at the x-axis indicate the middle of the forecast period.