Table 5: Selected Results for EV, Single Doc, KC in LR, FAC 0.3

| Doc | US Case | Category | Insignificant Runs | Successful Covariance Steps |
|-----|---------|----------|--------------------|-----------------------------|
| 002 | US      | RHE-BAVS | 0                  | 100                         |
|     |         |          |                    |                             |
| 2020 | US | RHE-BAVS | 0                  | 100                         |
|     |         |          |                    |                             |
| 3020 | US | RHE-BAVS | 0                  | 100                         |
|     |         |          |                    |                             |
| RMSE FAC | R2 | RMSE BSVCL | RMSE BSVV | RMSE BSVKA | RMSE FAC |
|---------|----|------------|-----------|------------|---------|
| 2.987   | 42.385 | 3.409 | 3.576 | 3.512 | 40.049 |
| 55.844  | 43.588 | 60.460 | 67.501 | 80.1 | 1.396 |
| 2.906   | 4.394 | 3.101 | 3.093 | 3.078 | 3.408 |
| 1.078   | 1.949 | 1.806 | 1.890 | 1.880 | 1.890 |
| 0.03438 | 8.543 | 8.628 | 8.640 | 8.640 | 8.640 |
| 3.559   | 3.757 | 3.646 | 3.551 | 3.522 | 3.512 |
| 3.963   | 3.806 | 3.913 | 3.913 | 3.913 | 3.913 |
| 1.078   | 1.949 | 1.806 | 1.890 | 1.890 | 1.890 |
| 0.03438 | 8.543 | 8.628 | 8.640 | 8.640 | 8.640 |

**Note:** The table above represents the error metrics for different models and datasets. The columns represent RMSE for FAC, BSVCL, BSVV, and BSVKA, while the rows indicate the error metrics across various datasets. The significance and covariance steps are also mentioned.