

APPENDIX ONLINE-6: OR-217 NB TIME- SPACE SPEED CONTOUR PLOTS WITH METER ACTIVATIONS

Programmable logic controllers (PLCs) were installed at several key ramps with the assistance of the City of Portland and used to capture additional data about ramp operations that are not otherwise logged. The data include the activation and deactivation of metering. Blue lines represent the duration of metering activation at three ramps: 99W, Scholls Ferry, and BH Hwy (from bottom). The purple dots represent the fixed metering on/off times under the pre-timed system

OR-217 NB

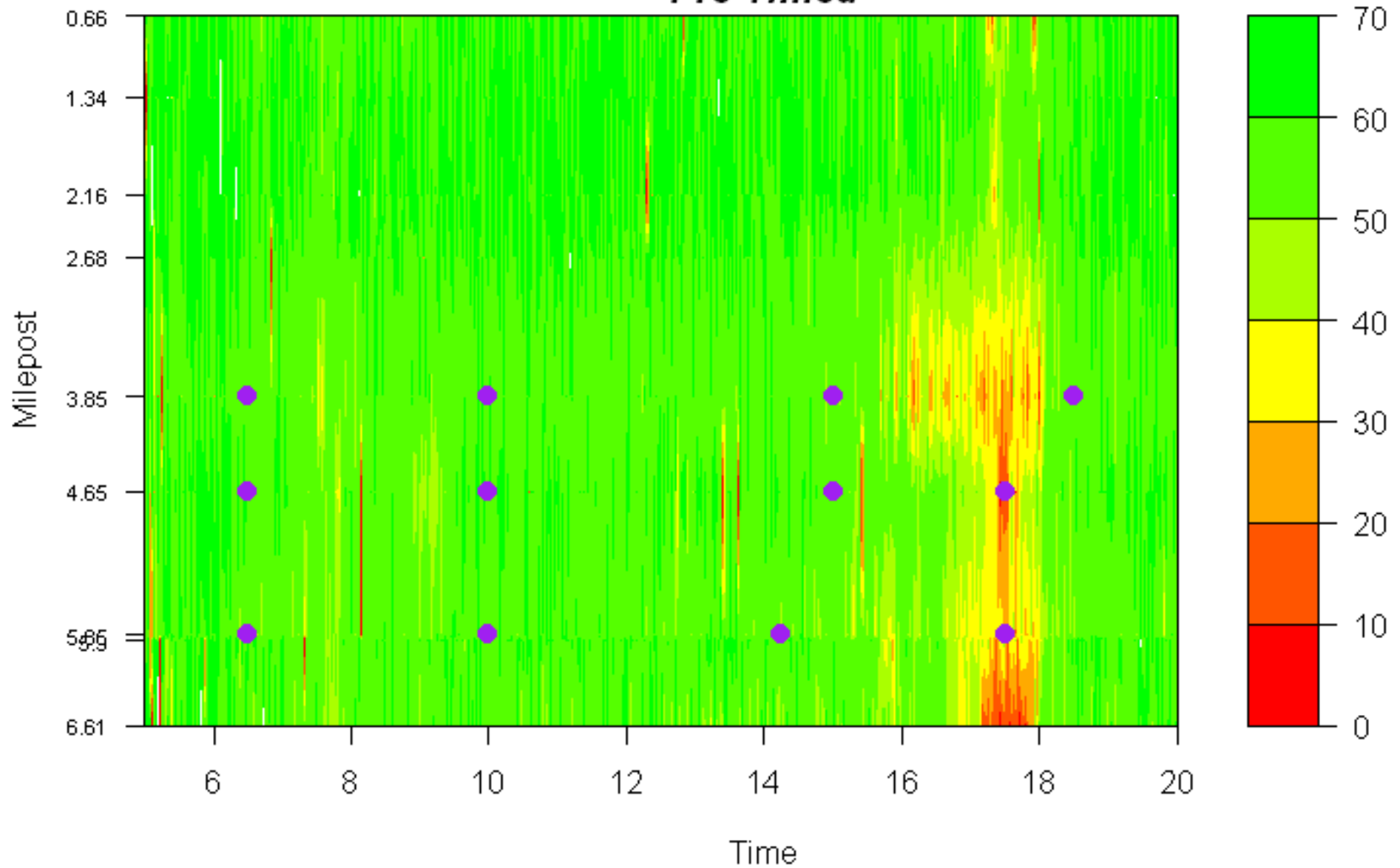
Time Series Speed Contour Plots

PM Peak

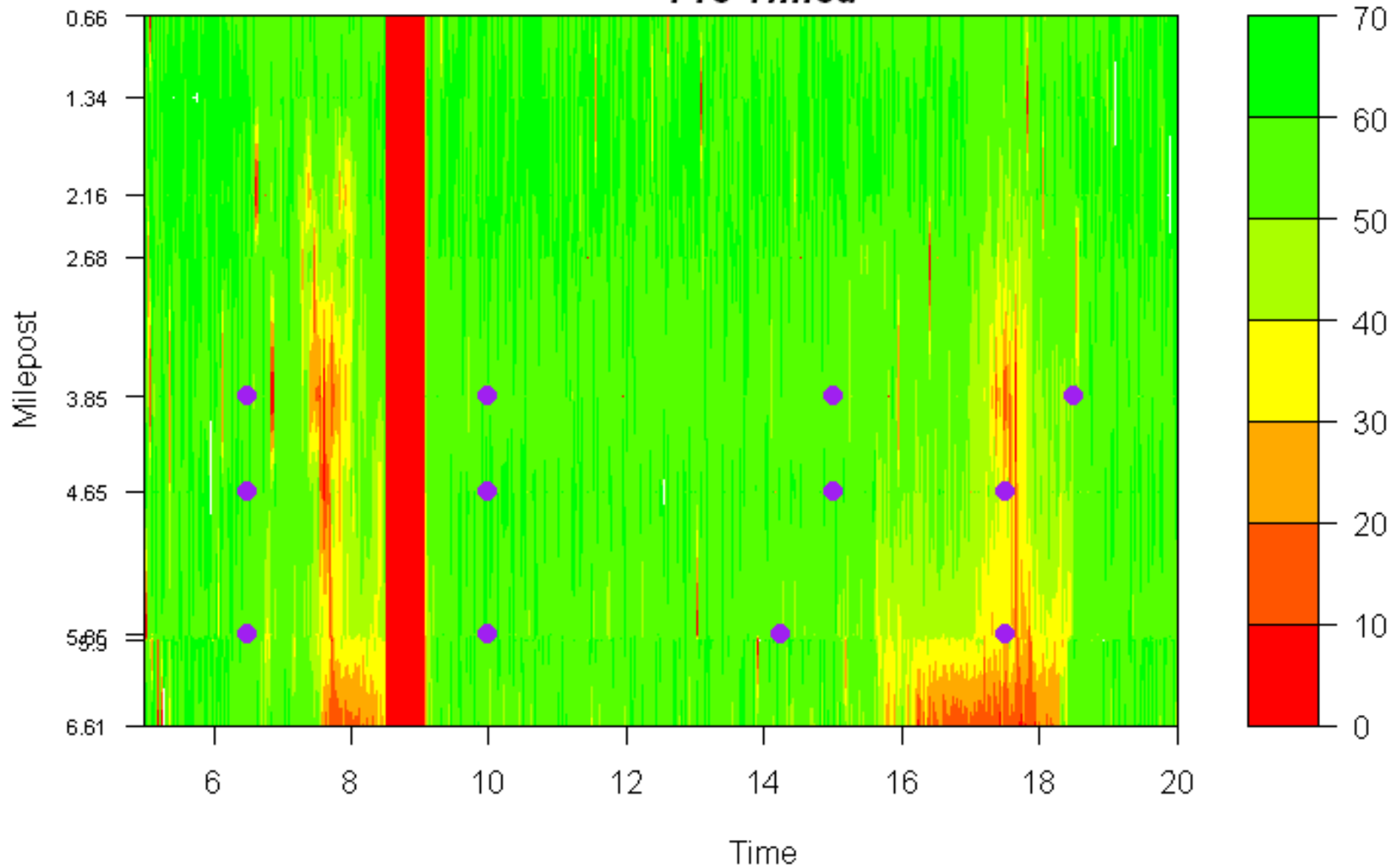
Pre-Timed: 11/5 – 11/16/2007

SWARM: 11/26 – 12/7/2007

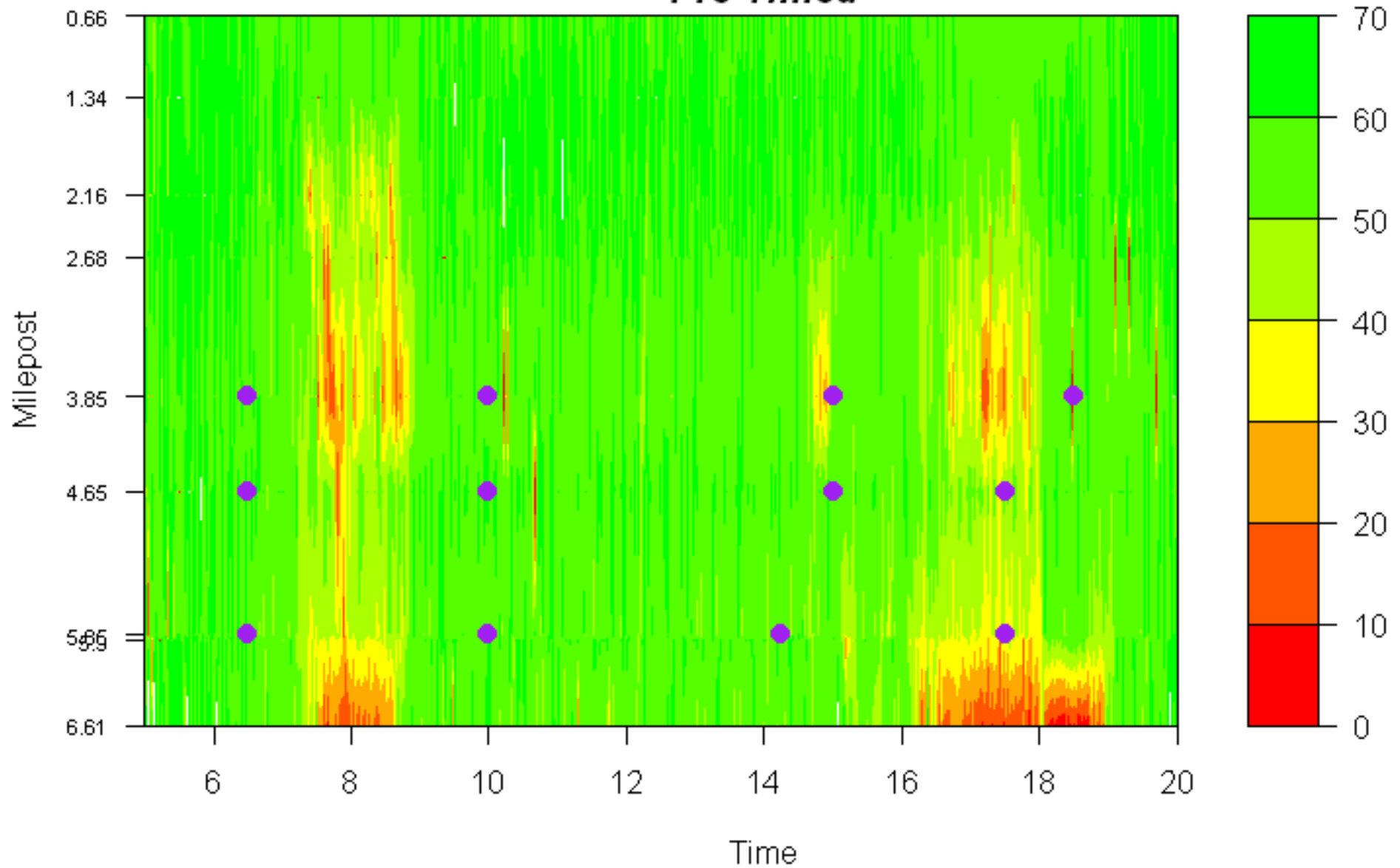
Time Series Speed Contour Plot
OR217NB November 5, 2007
Pre-Timed



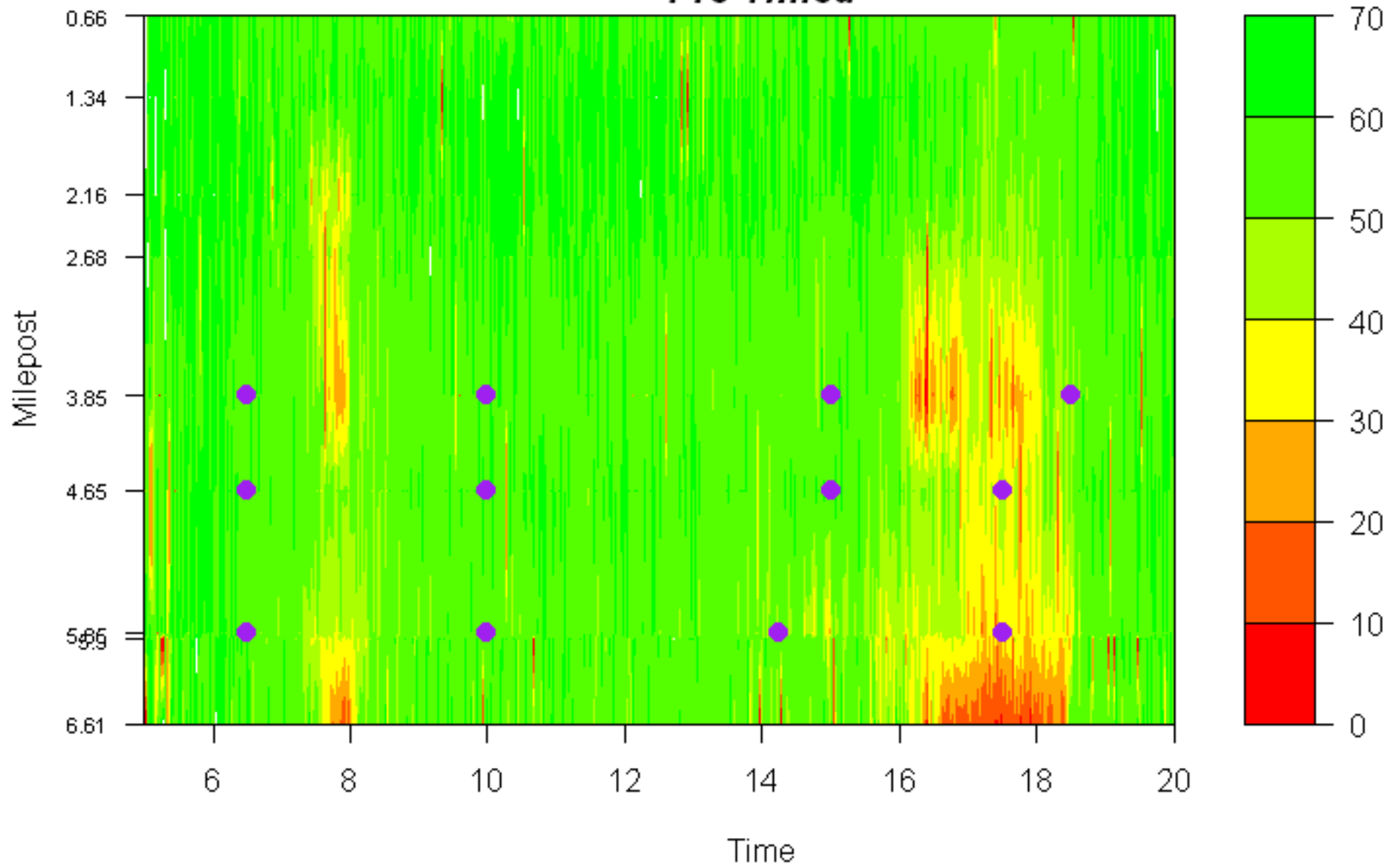
Time Series Speed Contour Plot
OR217NB November 6, 2007
Pre-Timed



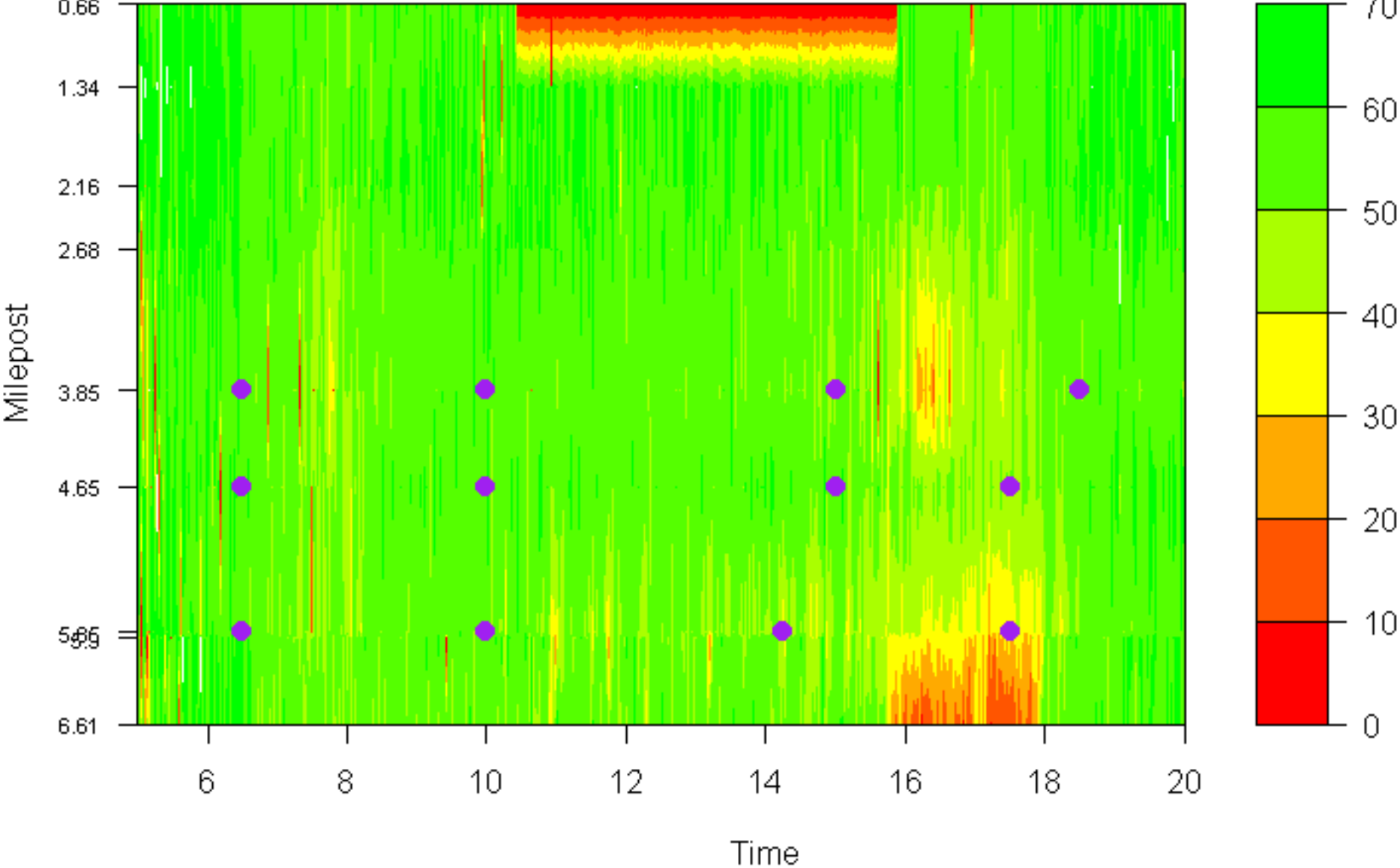
Time Series Speed Contour Plot
OR217NB November 7, 2007
Pre-Timed



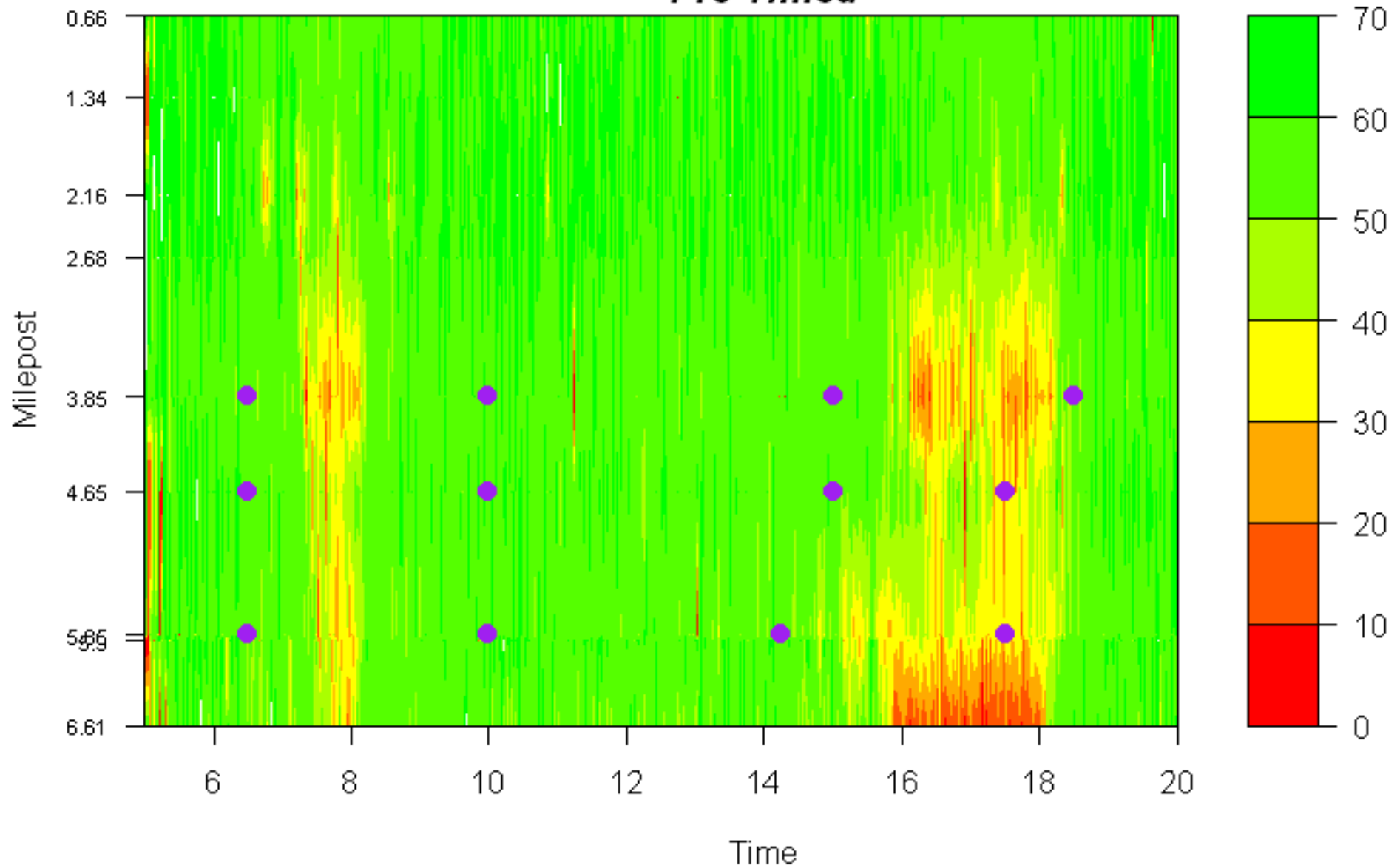
Time Series Speed Contour Plot
OR217NB November 8, 2007
Pre-Timed



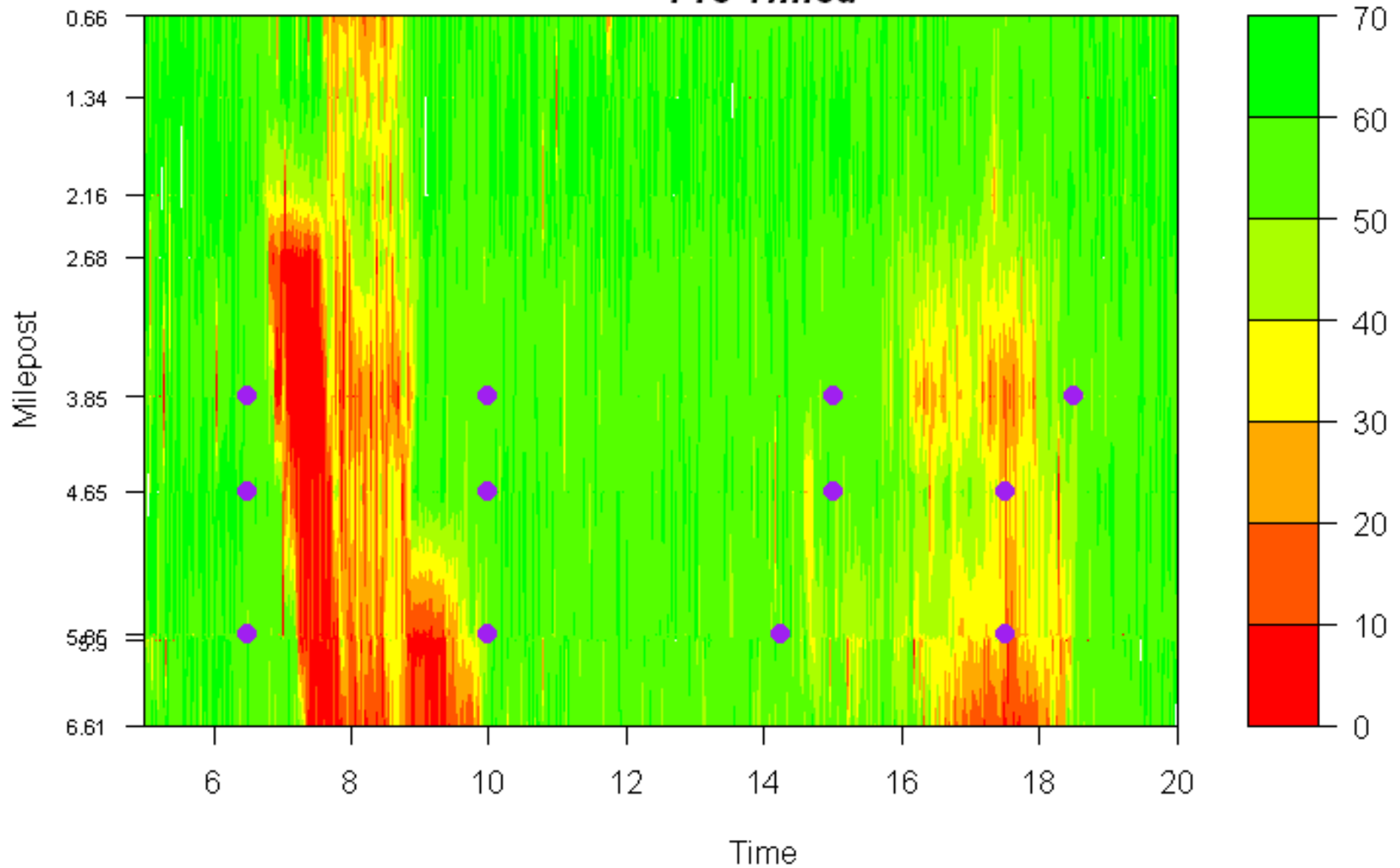
Time Series Speed Contour Plot
OR217NB November 12, 2007
Pre-Timed



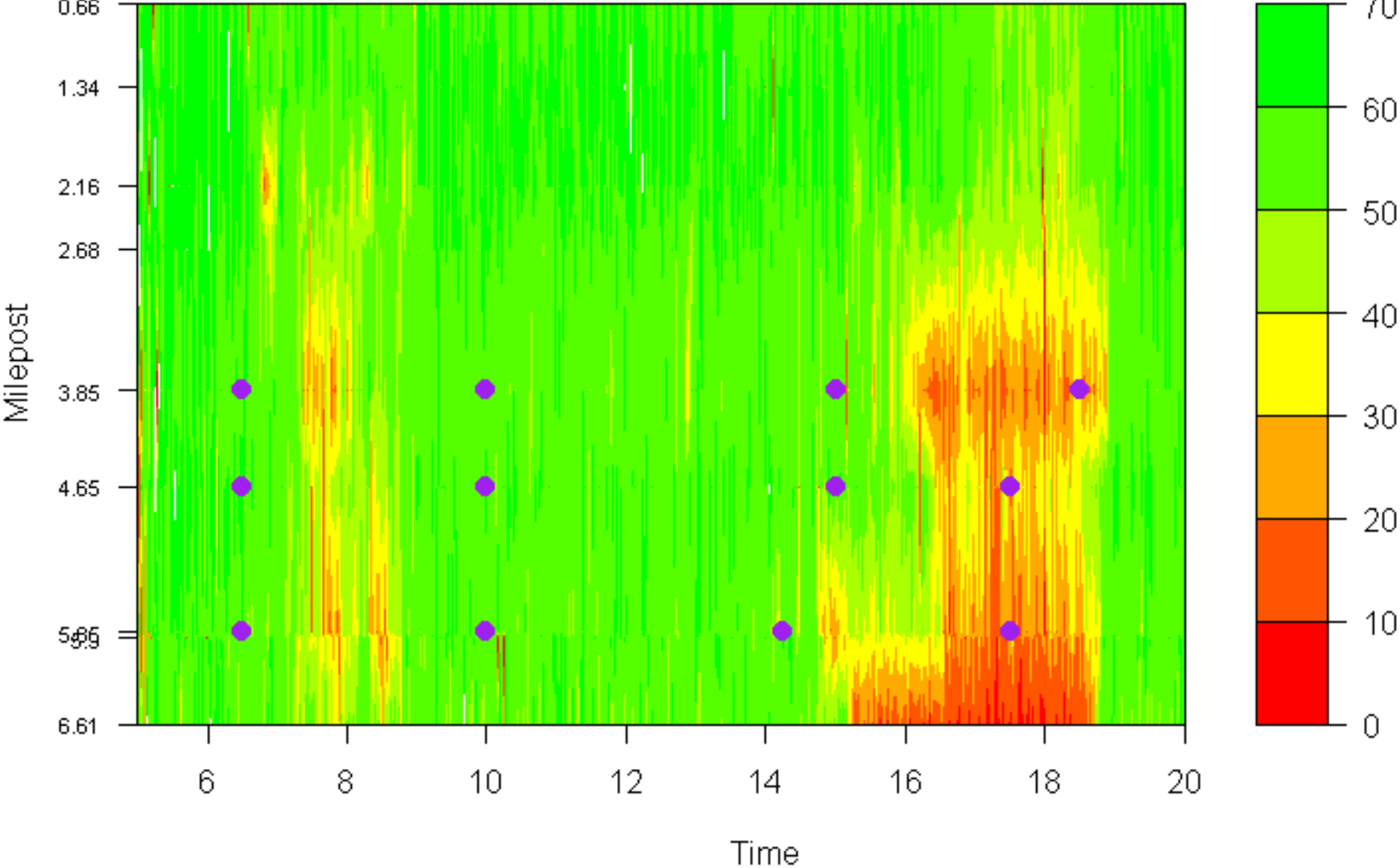
Time Series Speed Contour Plot
OR217NB November 13, 2007
Pre-Timed



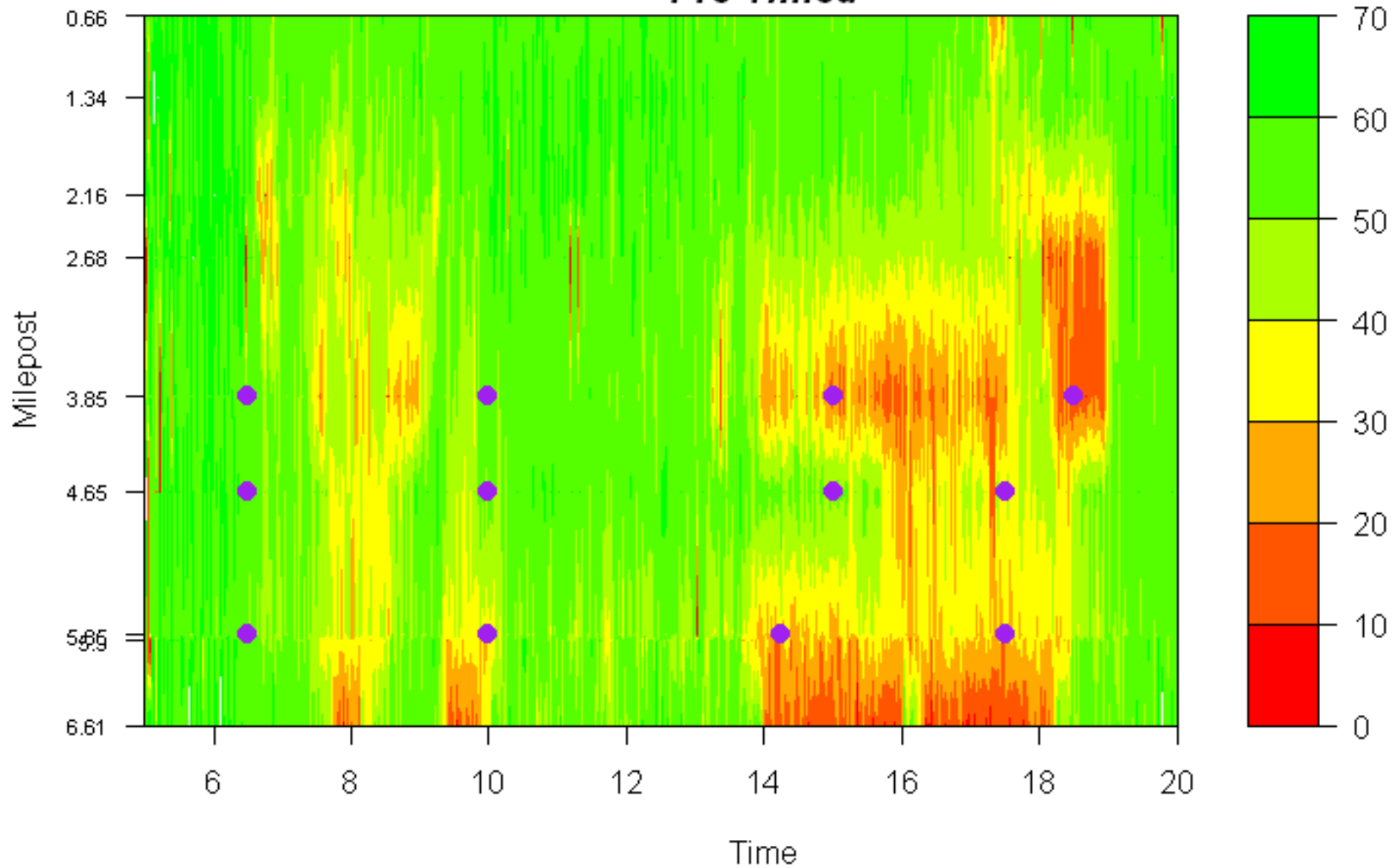
Time Series Speed Contour Plot
OR217NB November 14, 2007
Pre-Timed



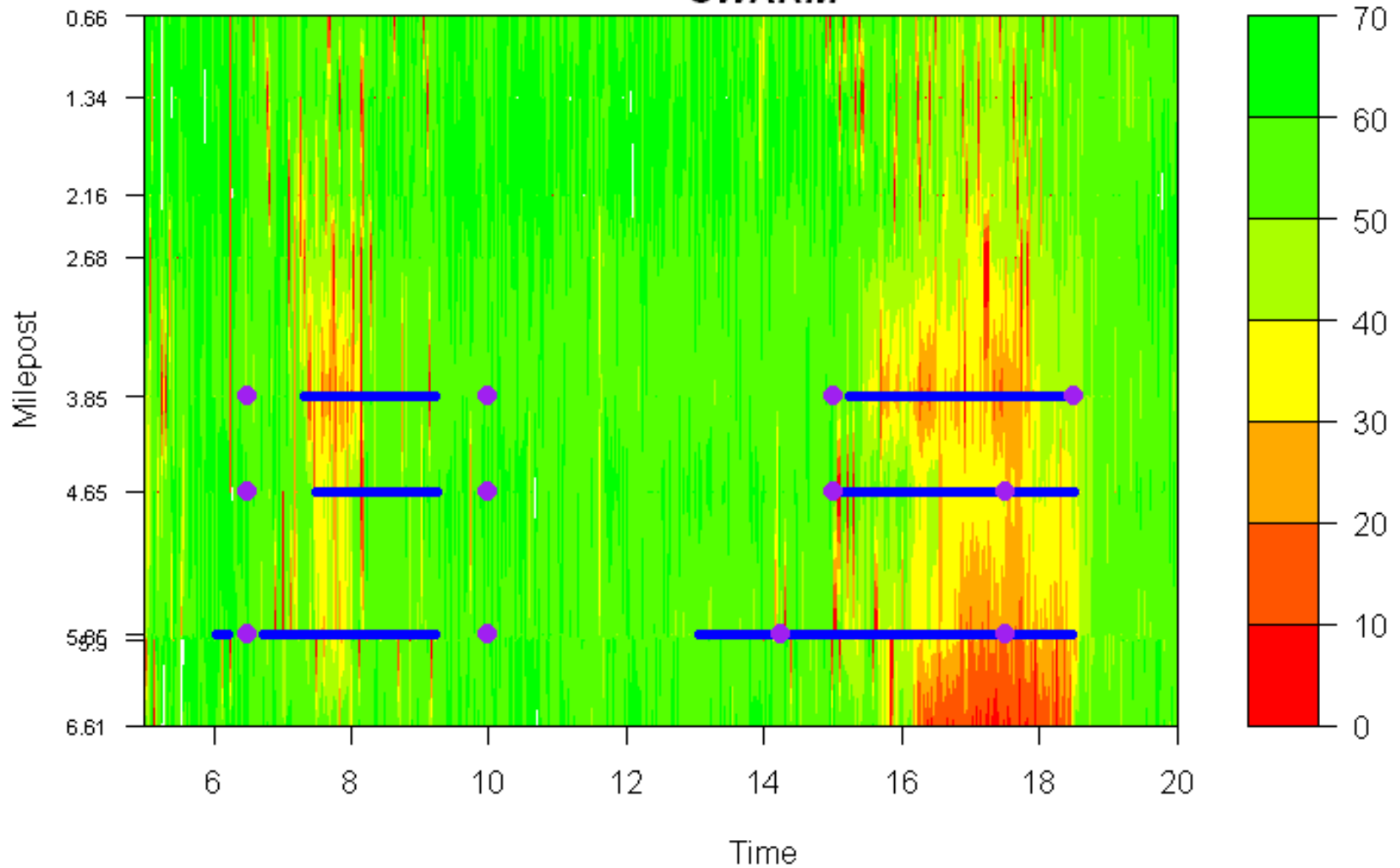
Time Series Speed Contour Plot
OR217NB November 15, 2007
Pre-Timed



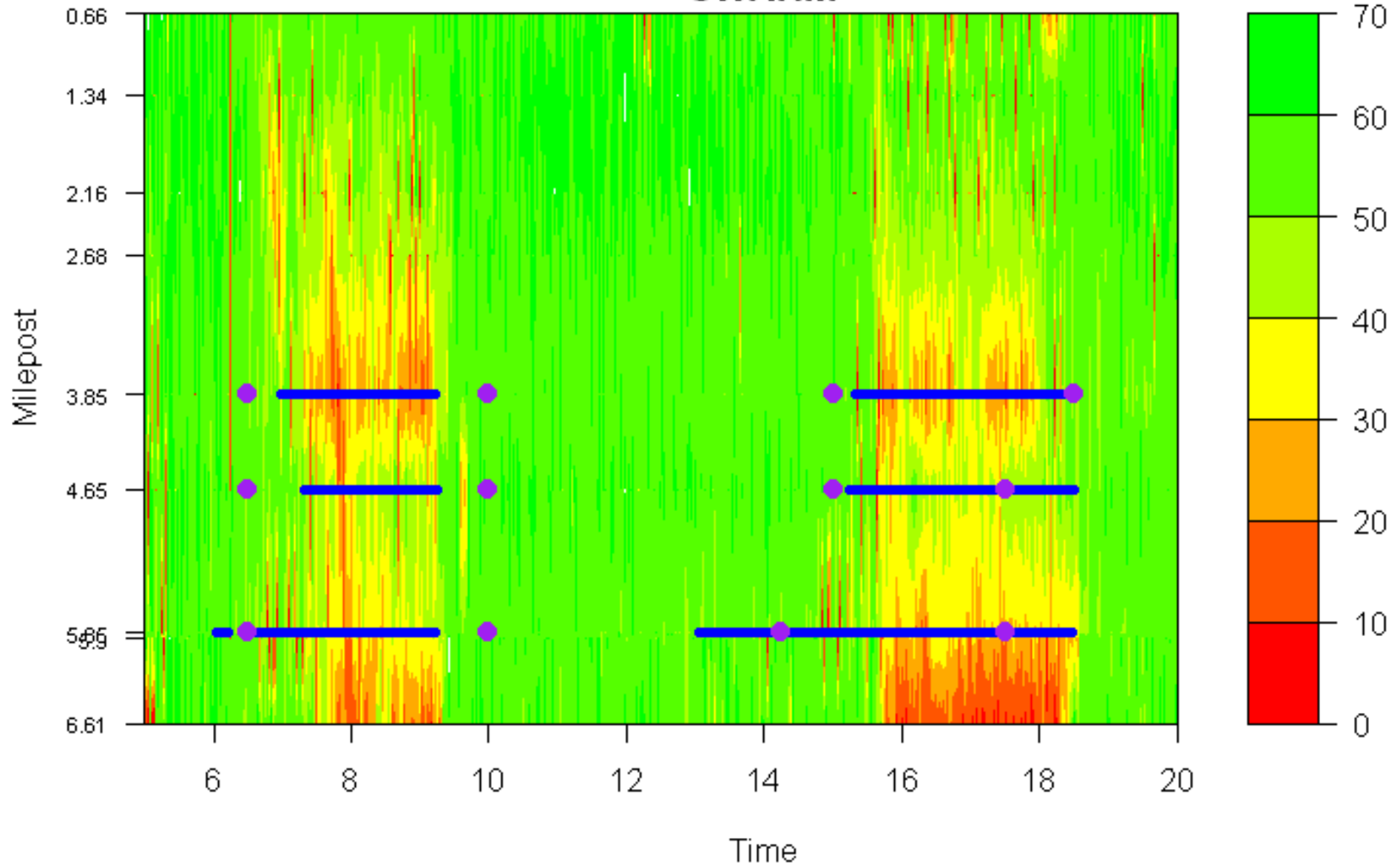
Time Series Speed Contour Plot
OR217NB November 16, 2007
Pre-Timed



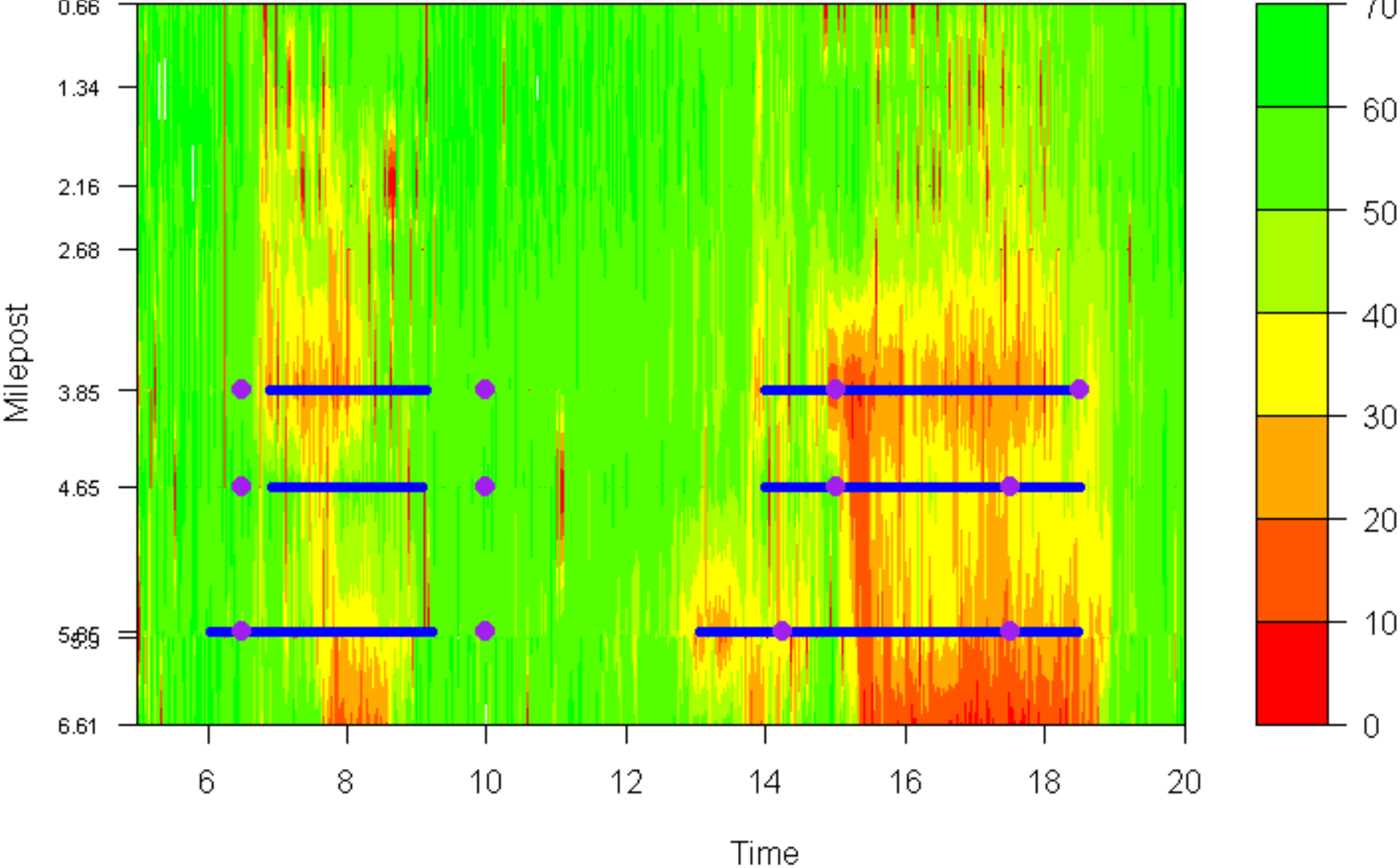
Time Series Speed Contour Plot
OR217NB November 26, 2007
SWARM



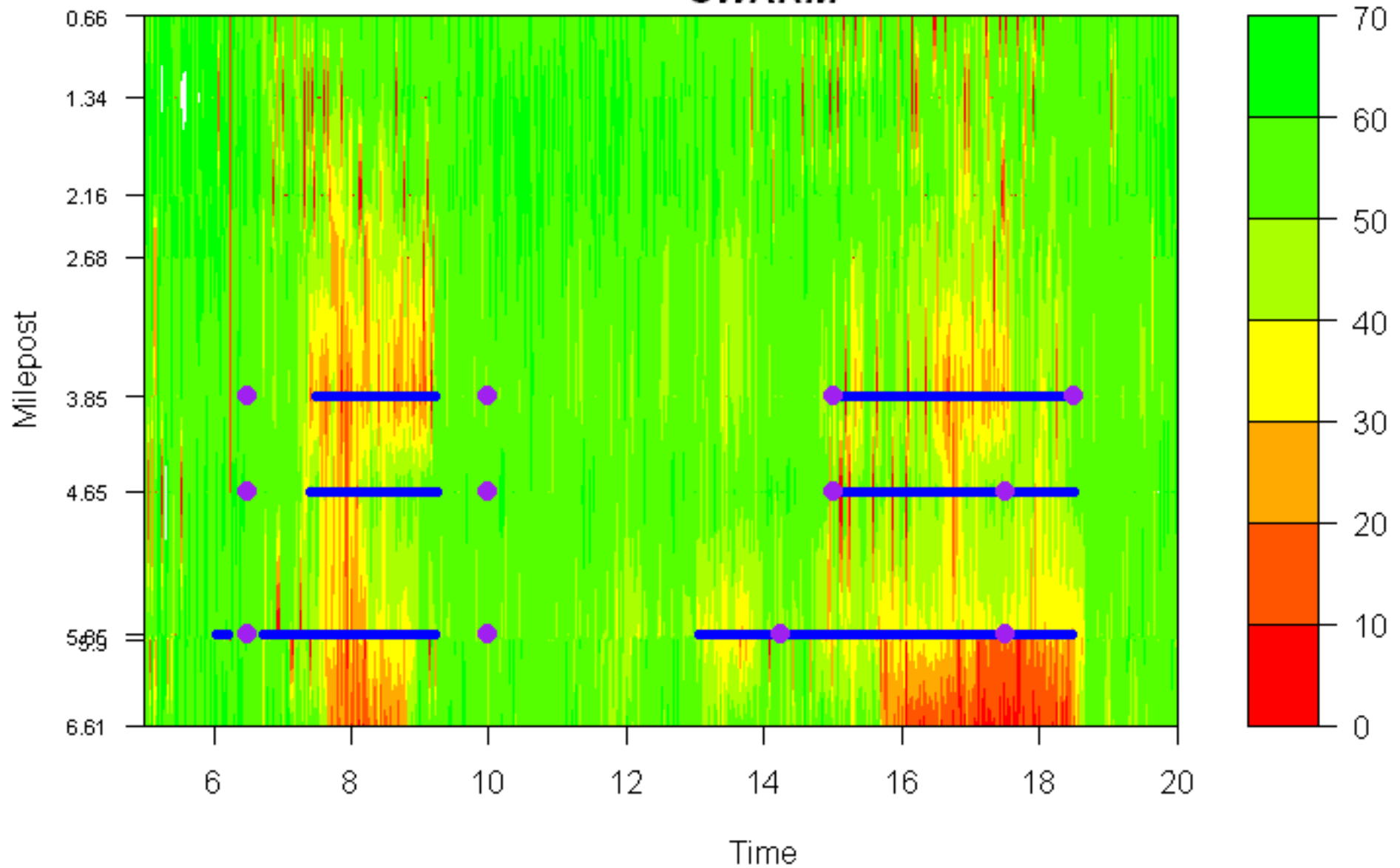
Time Series Speed Contour Plot
OR217NB November 27, 2007
SWARM



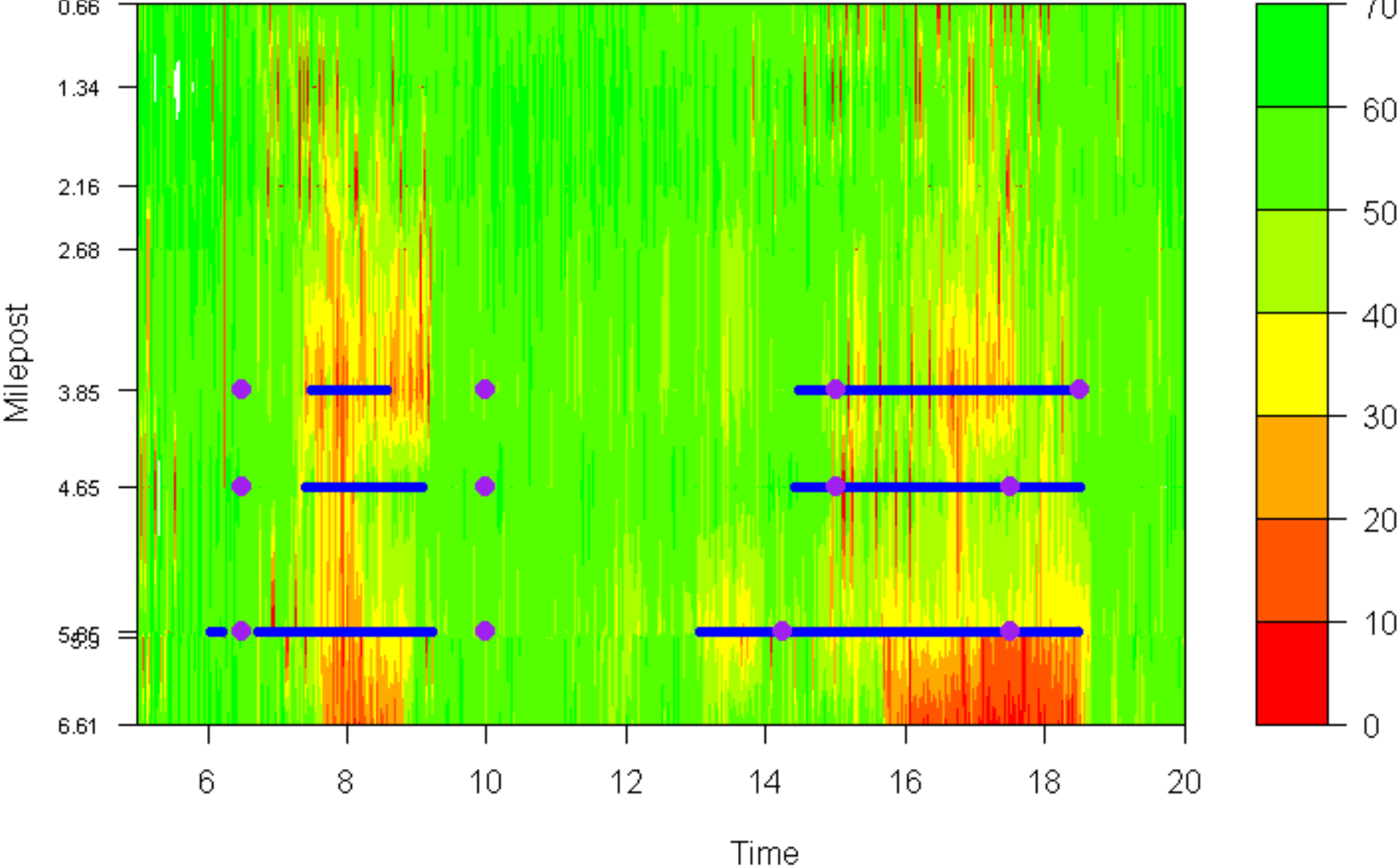
Time Series Speed Contour Plot
OR217NB November 28, 2007
SWARM



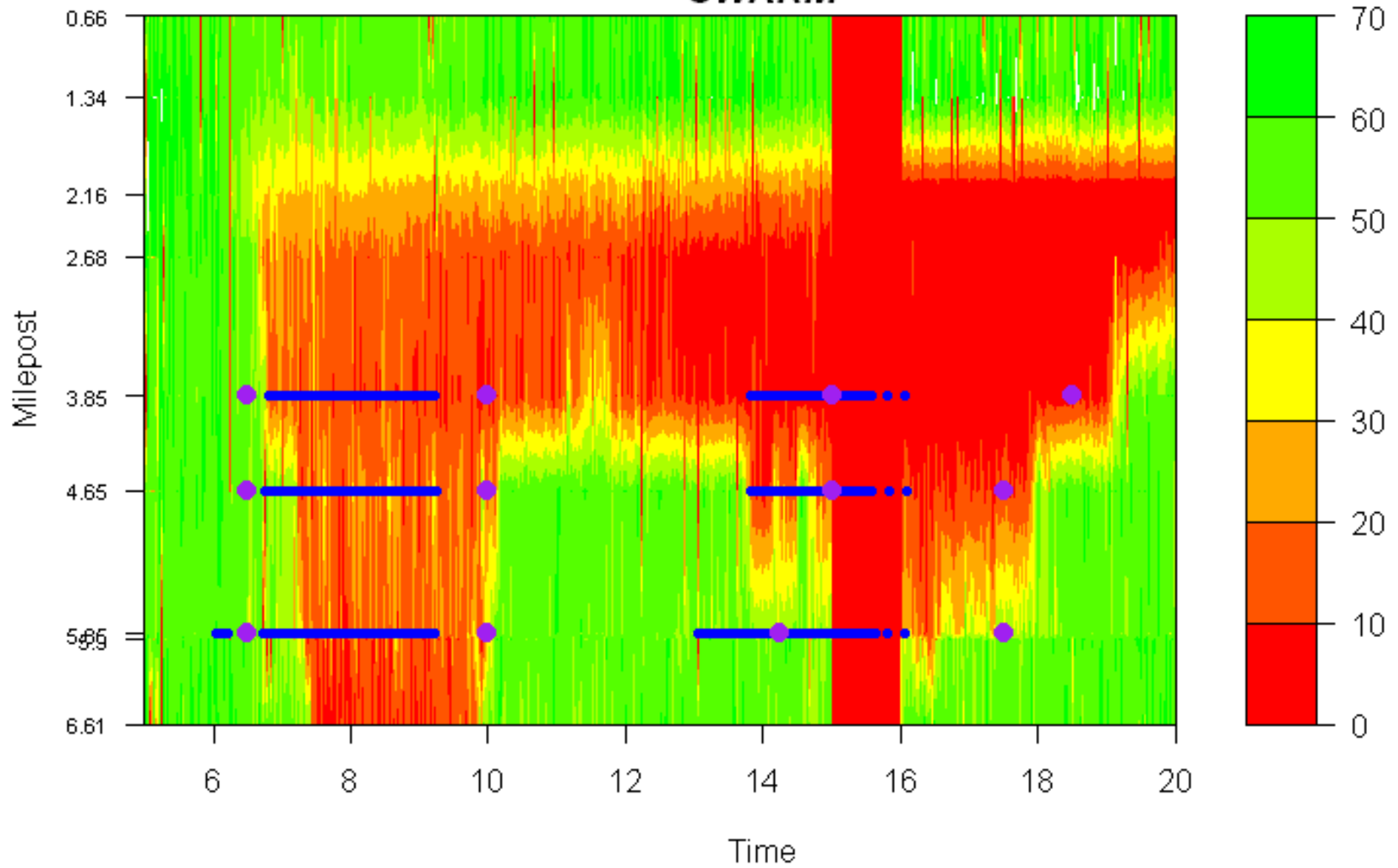
Time Series Speed Contour Plot
OR217NB November 29, 2007
SWARM



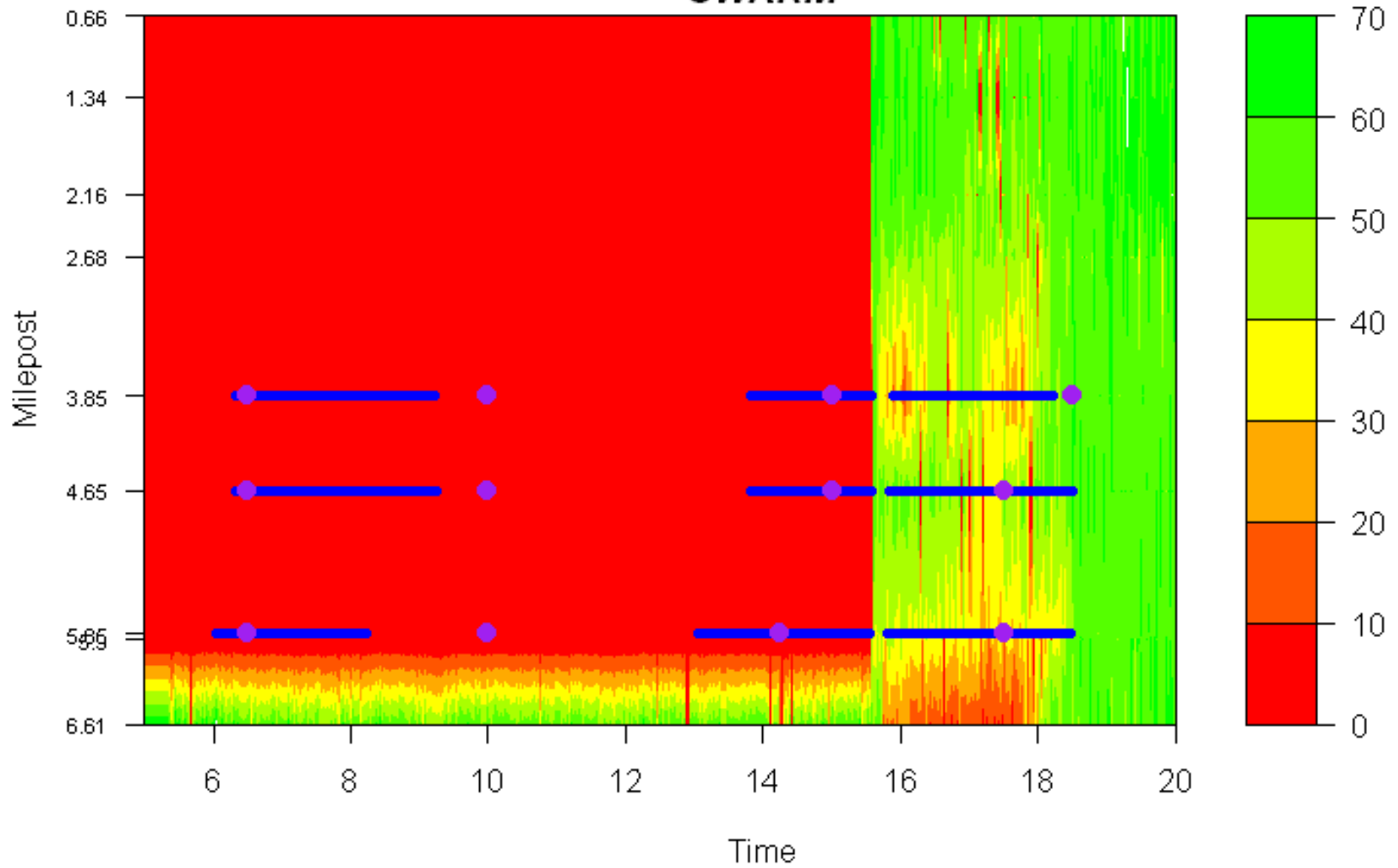
Time Series Speed Contour Plot
OR217NB November 30, 2007
SWARM



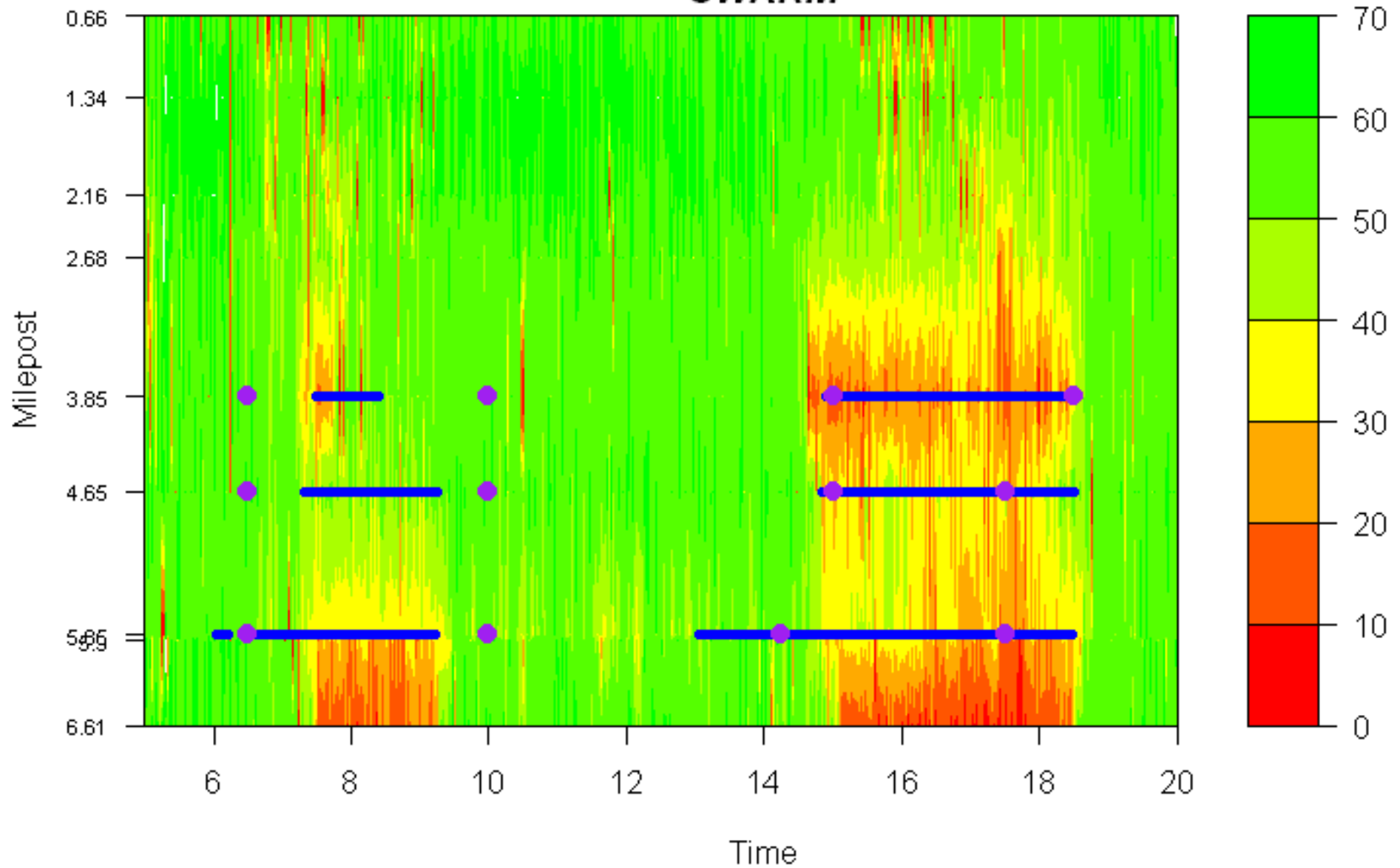
Time Series Speed Contour Plot
OR217NB December 3, 2007
SWARM



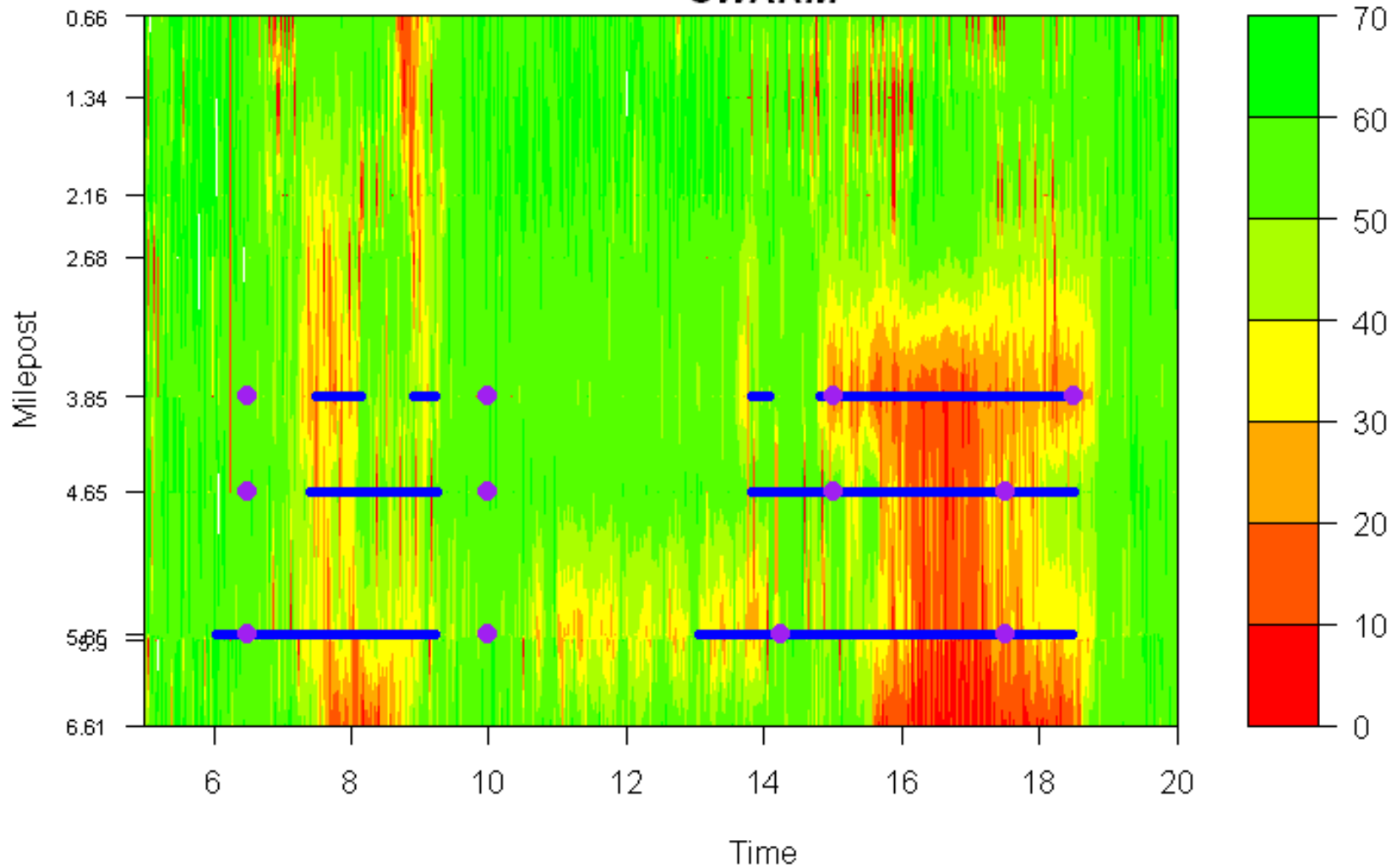
Time Series Speed Contour Plot
OR217NB December 4, 2007
SWARM



Time Series Speed Contour Plot
OR217NB December 5, 2007
SWARM



Time Series Speed Contour Plot
OR217NB December 6, 2007
SWARM



Time Series Speed Contour Plot
OR217NB December 7, 2007

