

Figure 96e. Interpolated observed surface ozone concentrations (pphm) on 05/17 UTC.

OZONE 5 AUG 2200 UTC

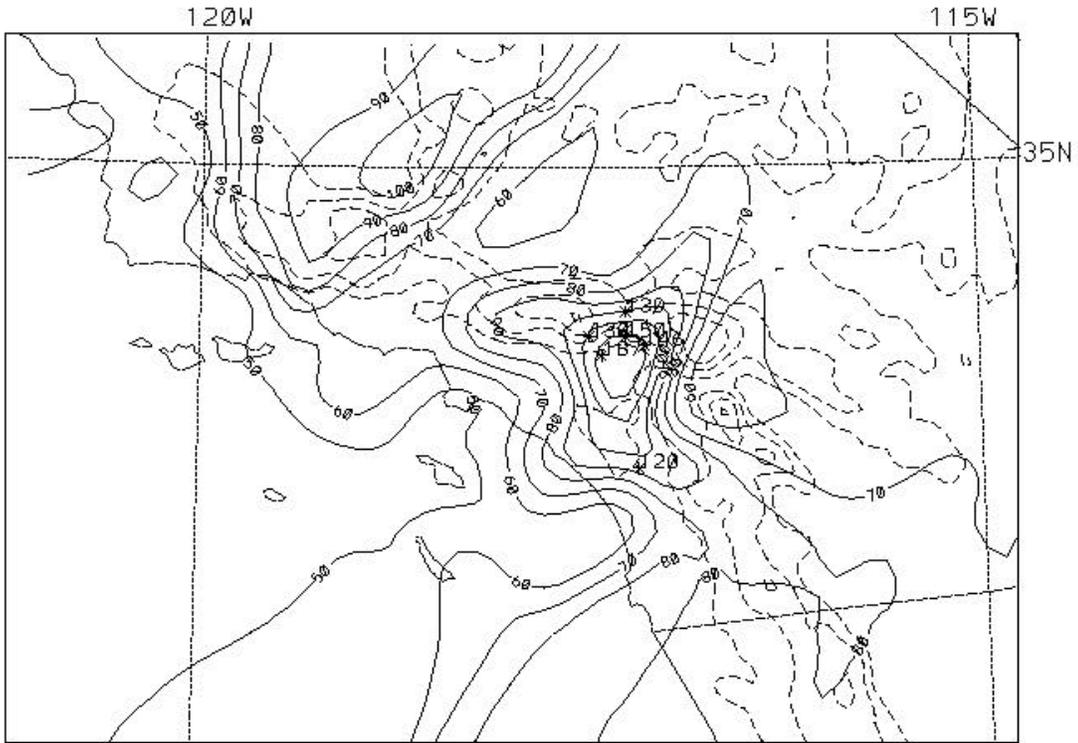


Figure 96f. Interpolated observed surface ozone concentrations (pphm) on 05/22 UTC.

OZONE 6 AUG 0200 UTC

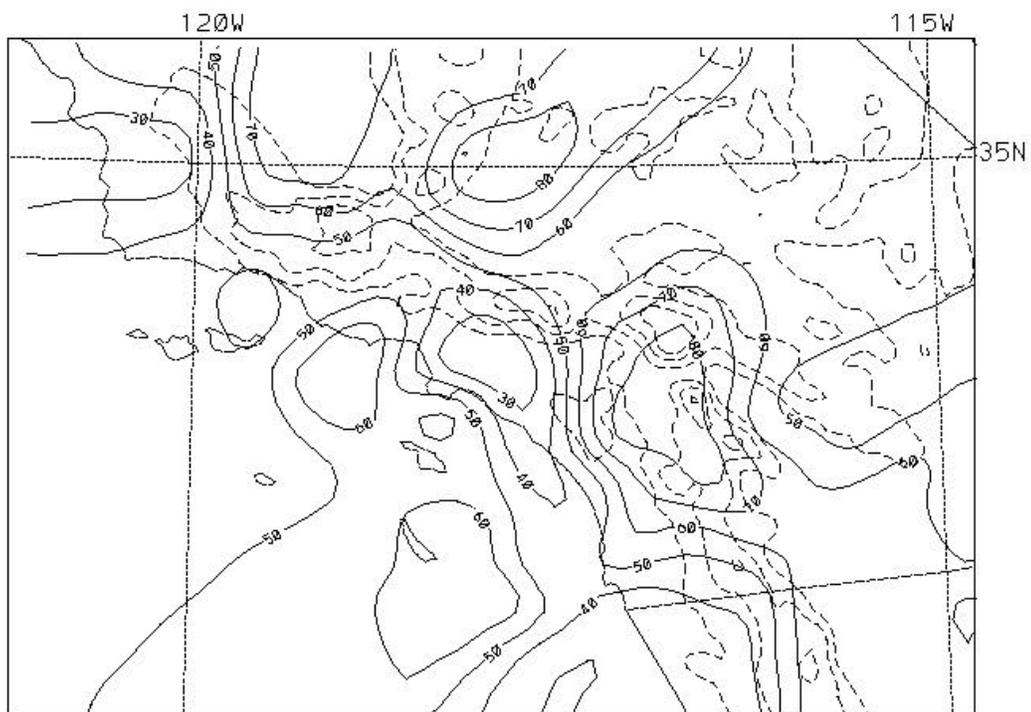


Figure 96g. Interpolated observed surface ozone concentrations (pphm) on 06/02 UTC.

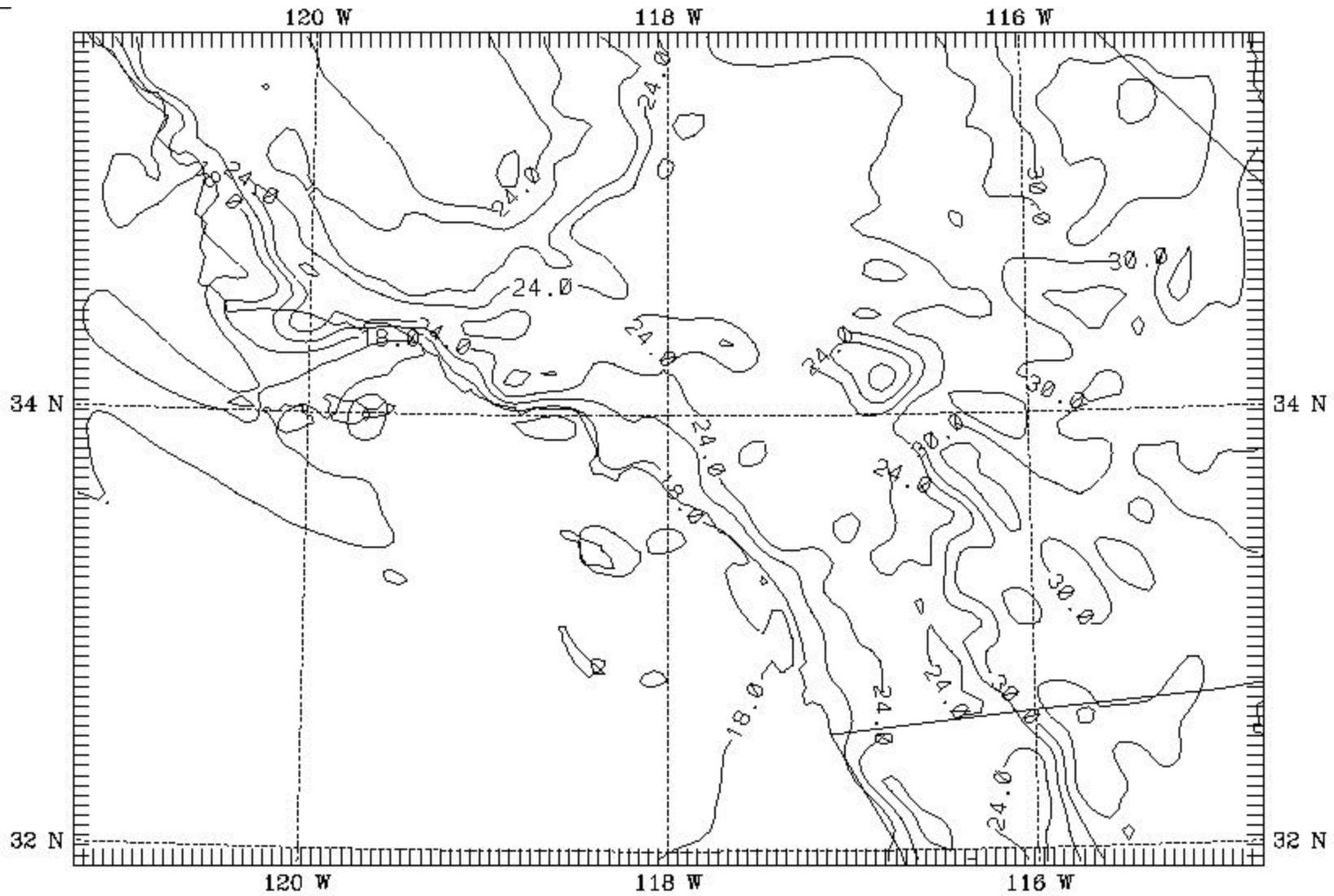


Figure 97a. Run 1 first level temperature ($^{\circ}$ C) contours for 05/09UTC.

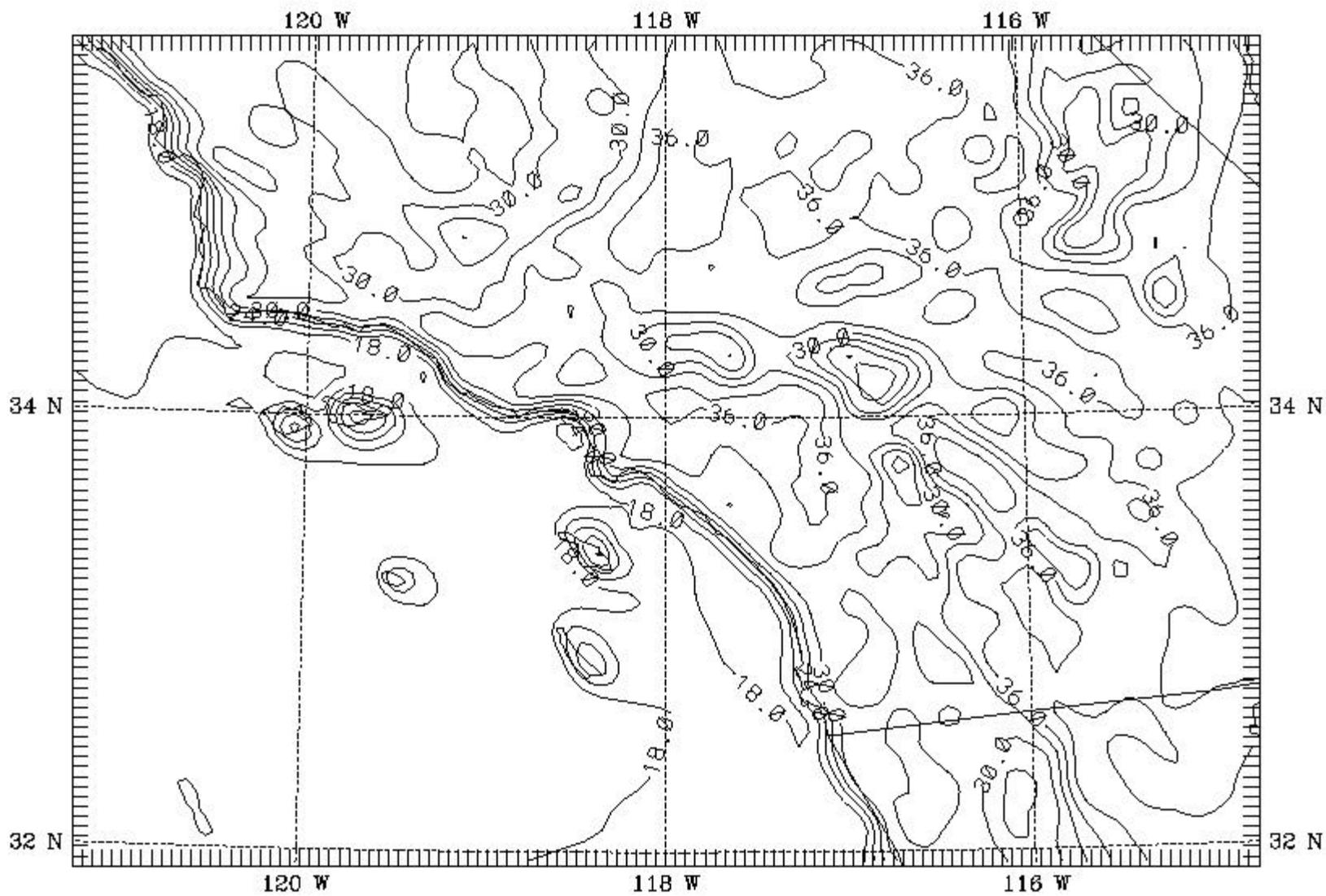


Figure 97b. Run 1 first level temperature ($^{\circ}$ C) contours for 05/21UTC.

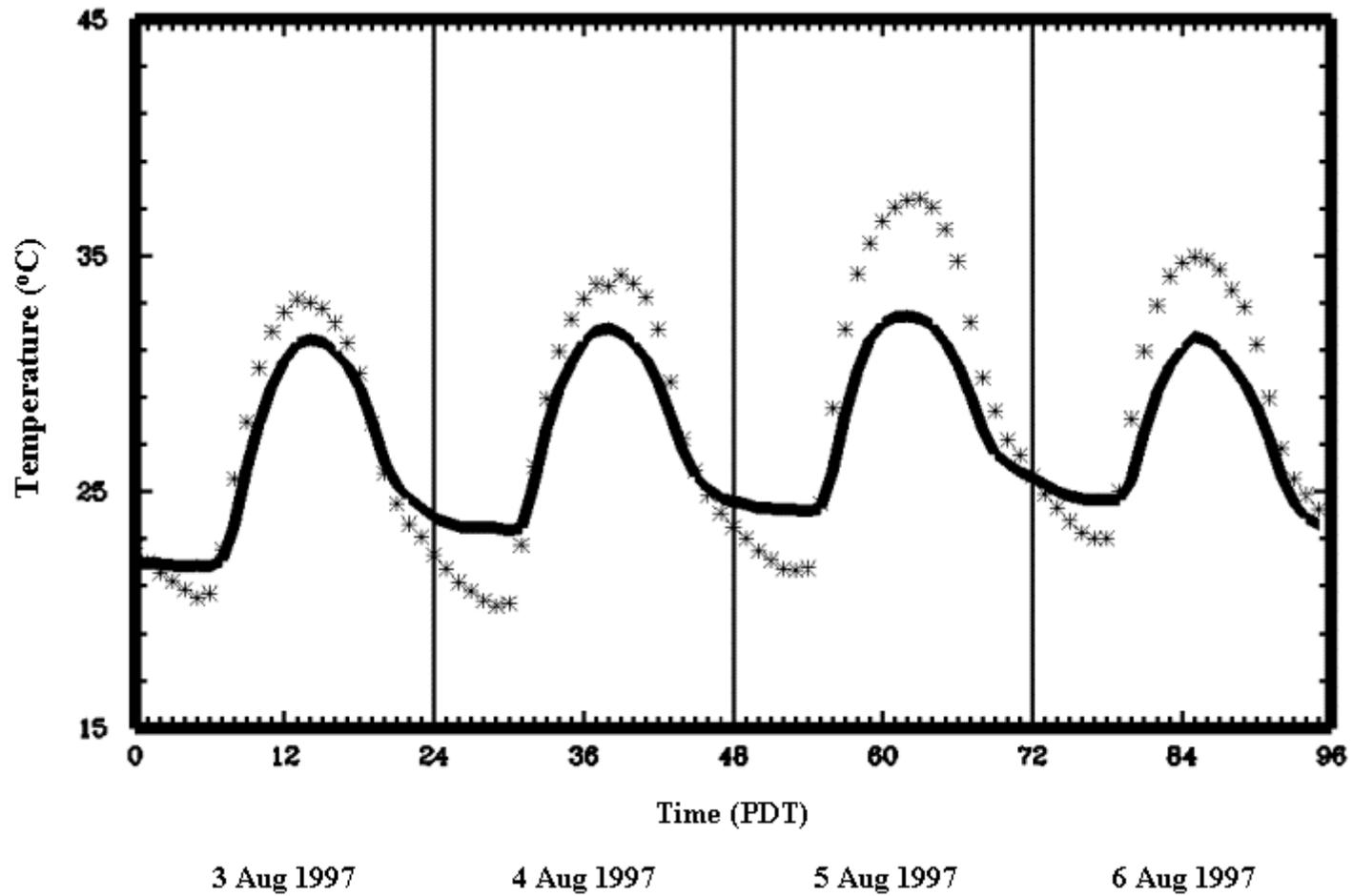


Figure 98. Spatial mean temperature (°C) with no height correction for the full domain for RUN1. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

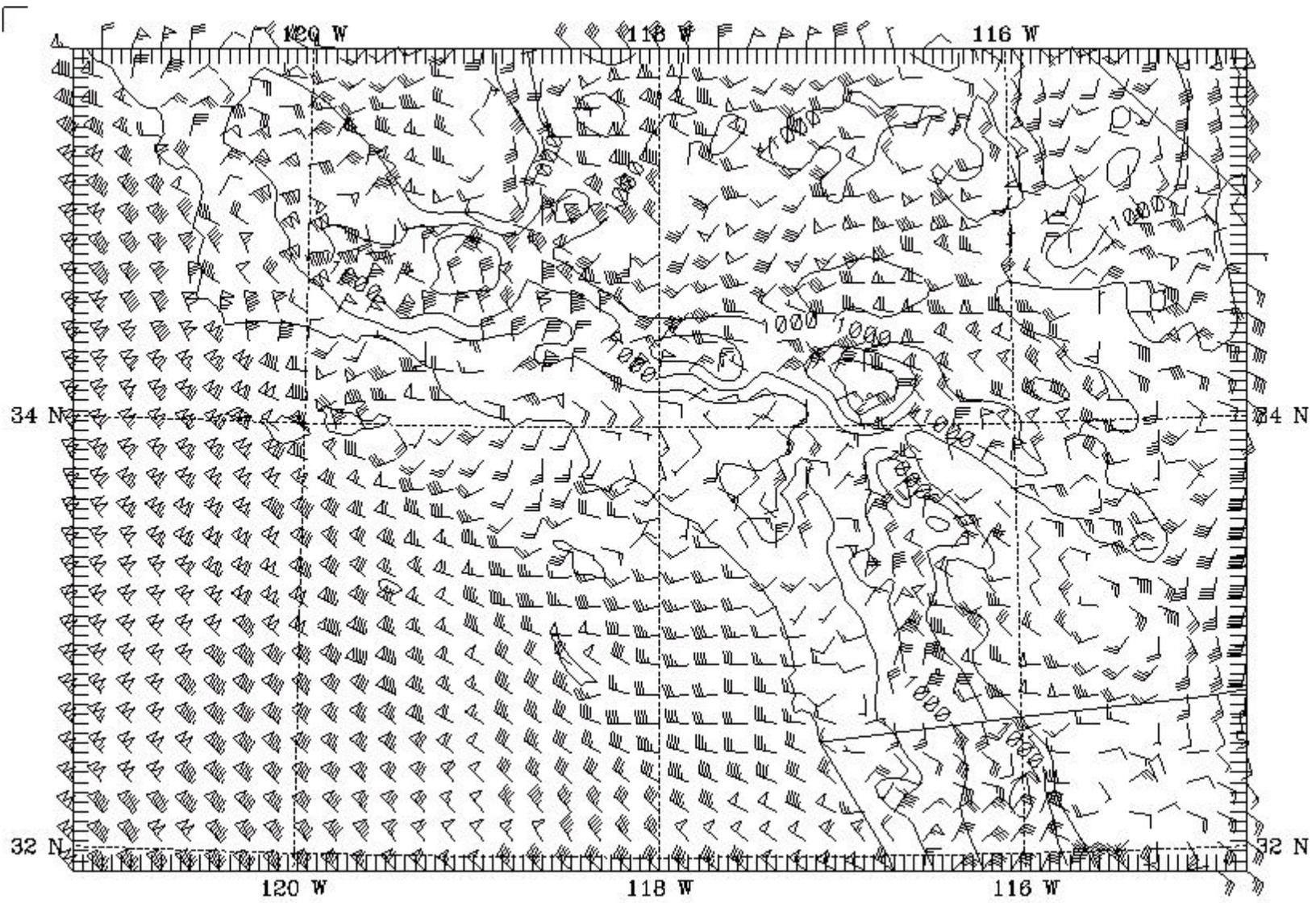


Figure 99a. Run 1 first level winds for 05/09UTC.

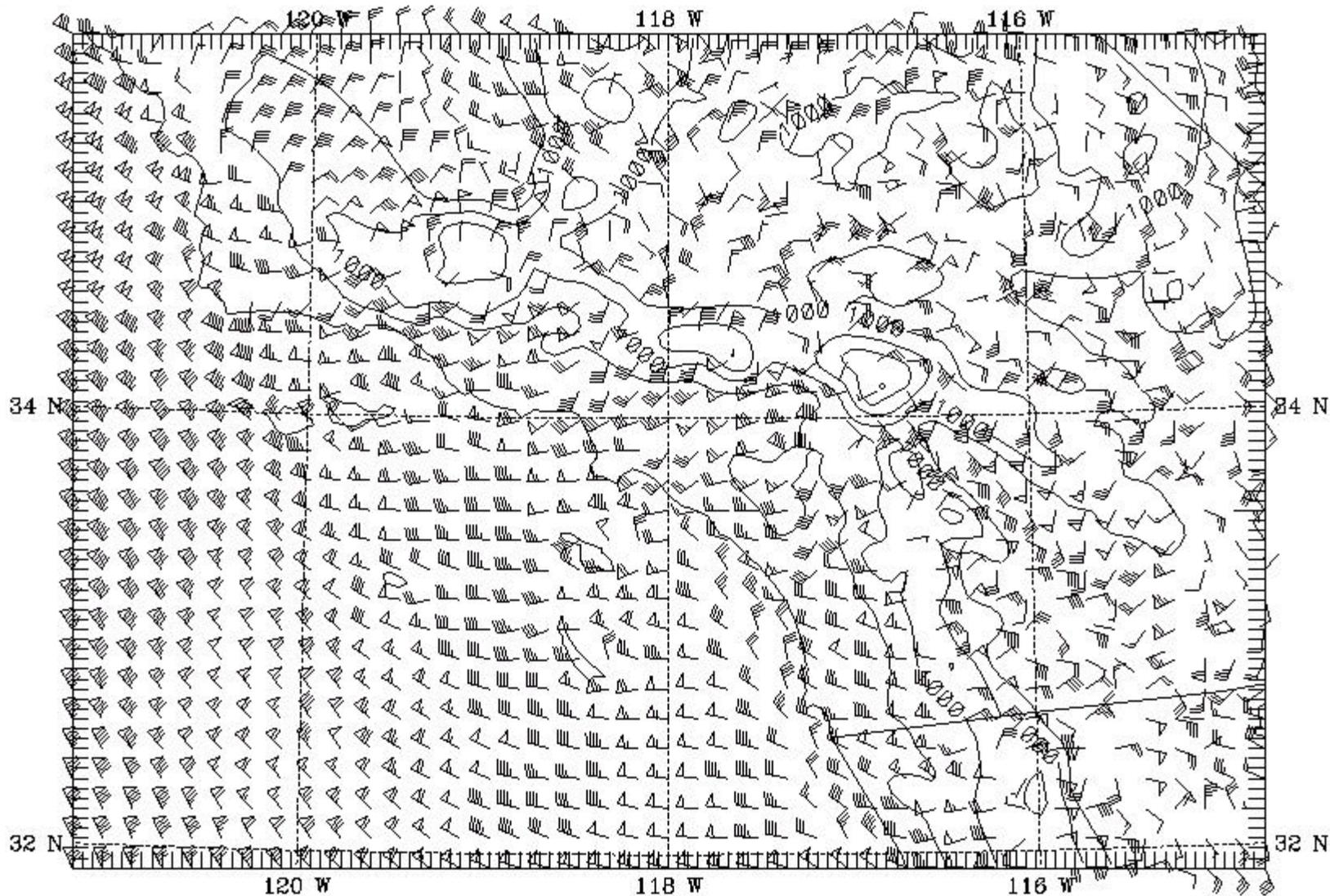


Figure 99b. Run 1 first level winds for (b) 05/21UTC.

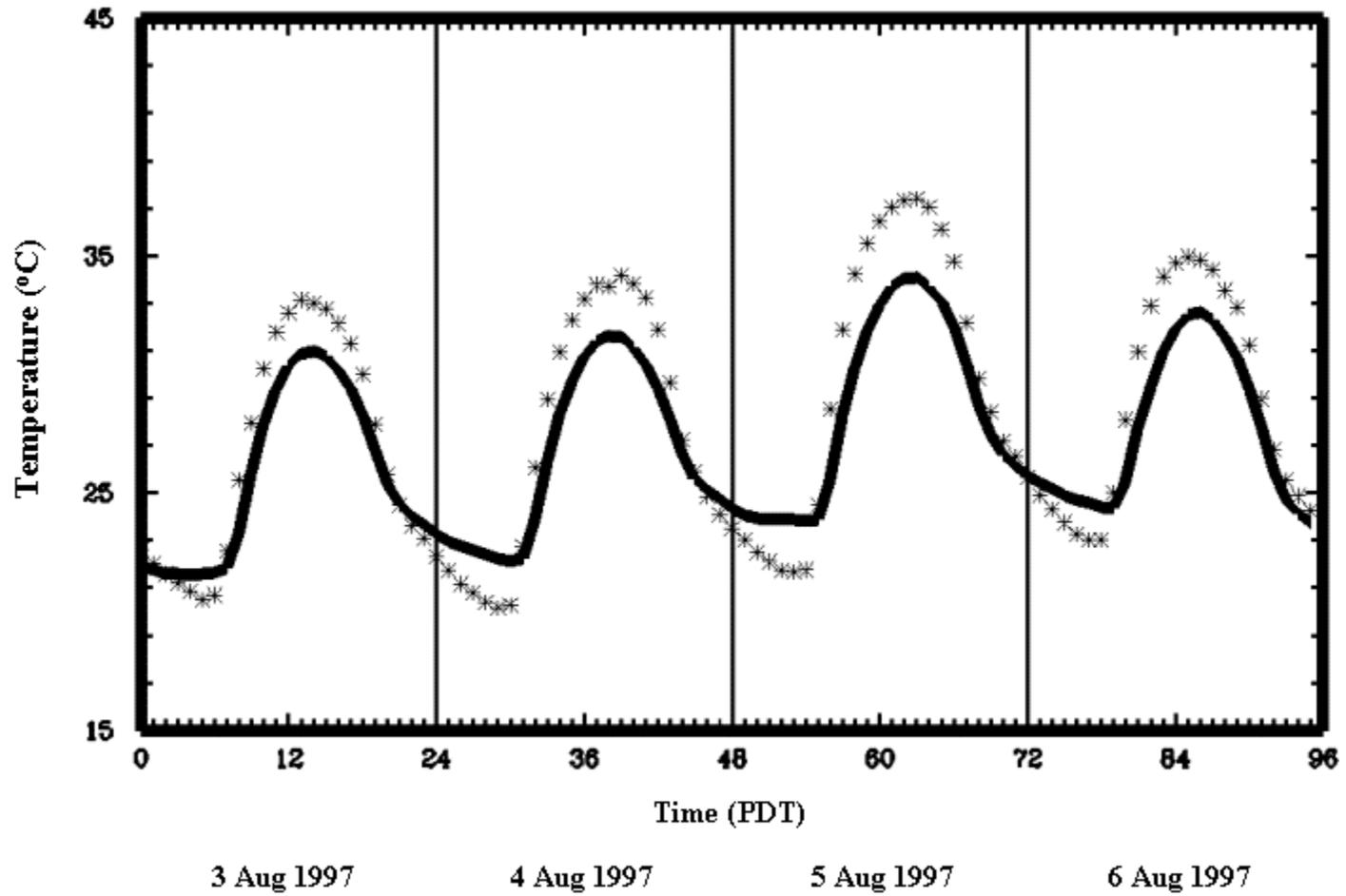


Figure 100a. Spatial mean temperature (°C) with no height correction for the full domain for RUN2. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

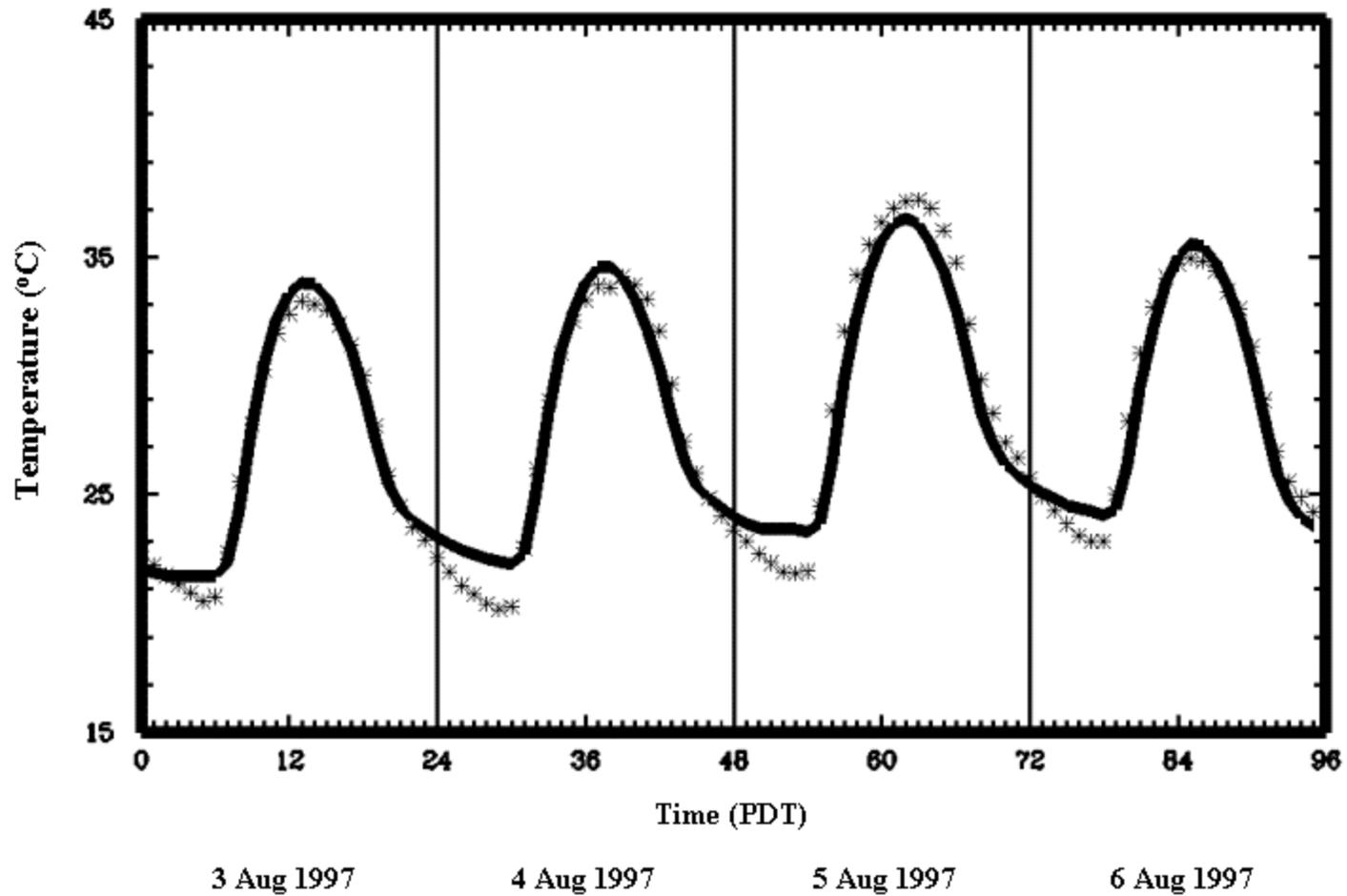


Figure 100b. Spatial mean temperature (°C) at two meters above the ground for the full domain for RUN2. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

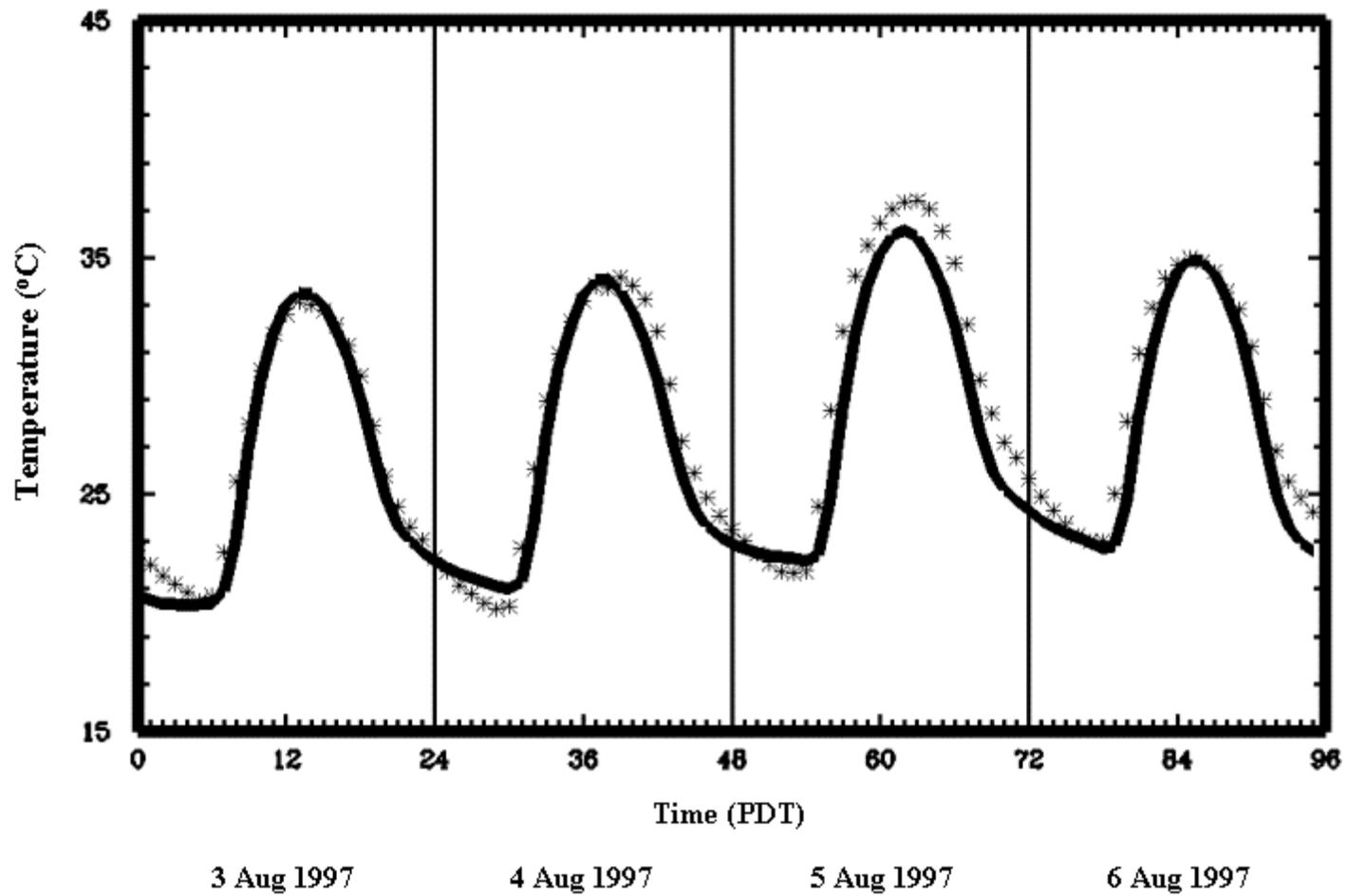


Figure 101. Spatial mean temperature (°C) at two meters above the ground for the full domain for RUN3. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

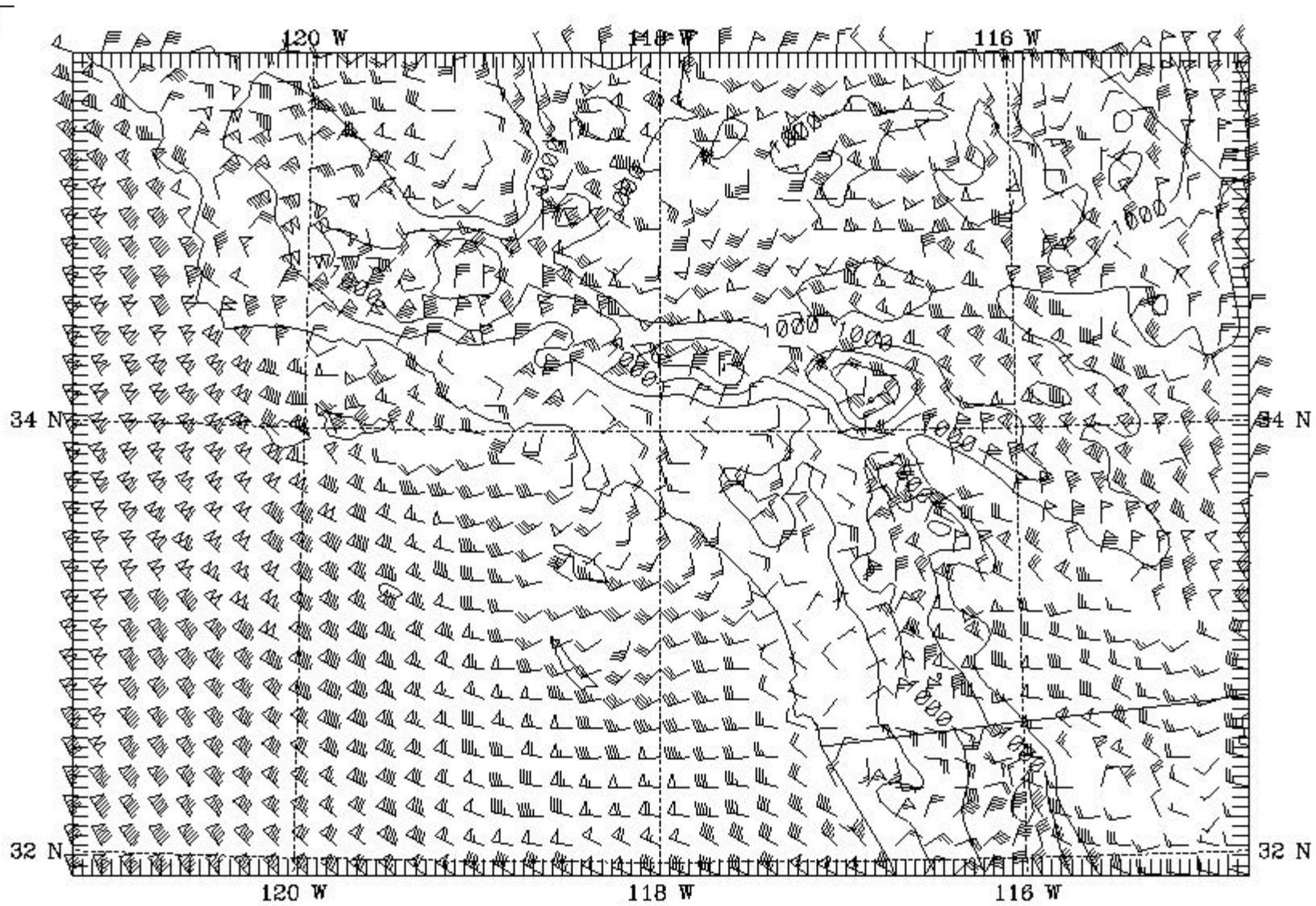


Figure 102a. Run 3 first level winds for 05/09UTC.

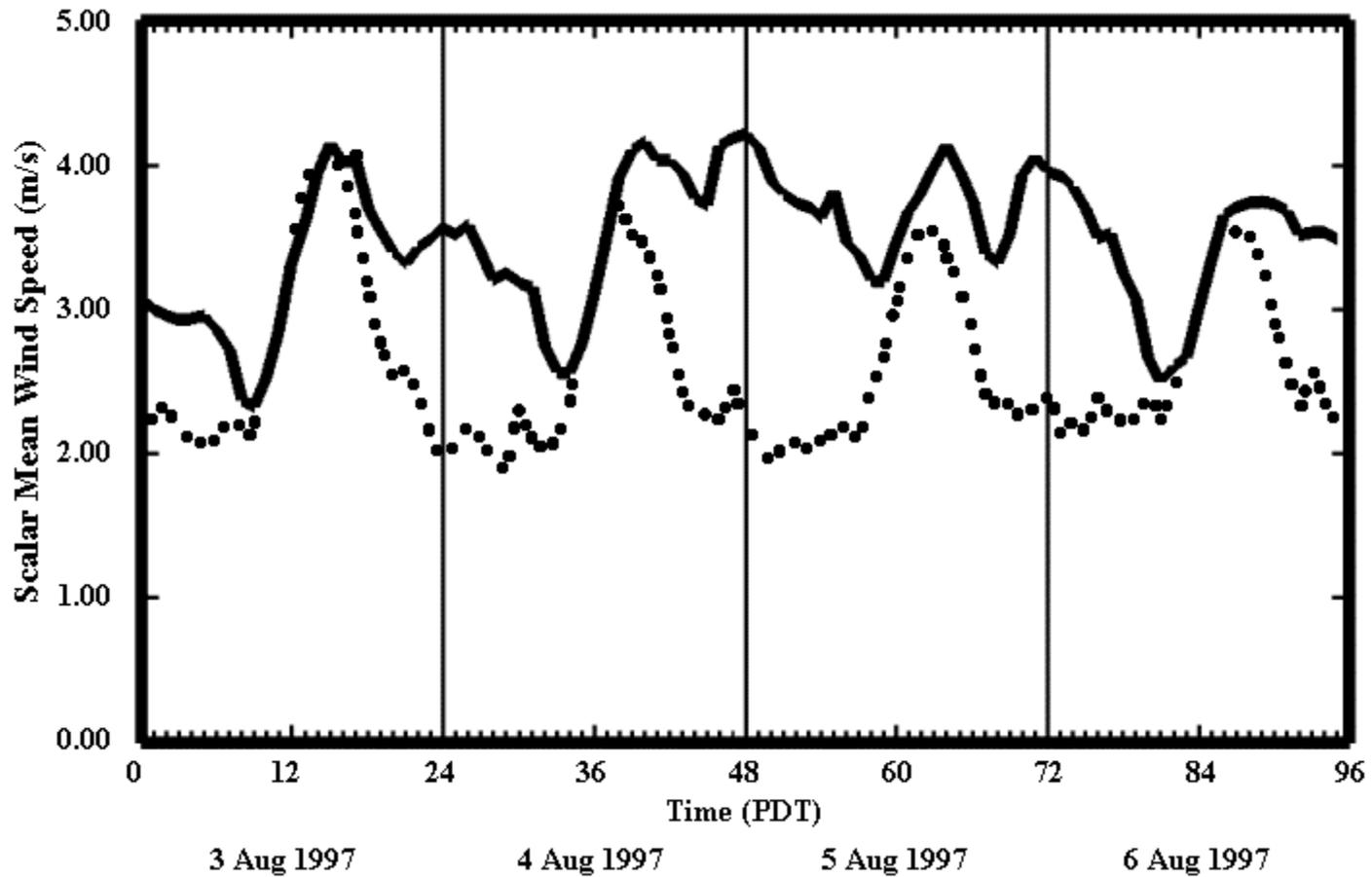


Figure 103a. Scalar mean wind speed (m/s) for the full domain for RUN3 -- uncorrected for heights. Solid line is the predicted scalar mean wind speed, and dotted line is observed scalar mean wind speed.

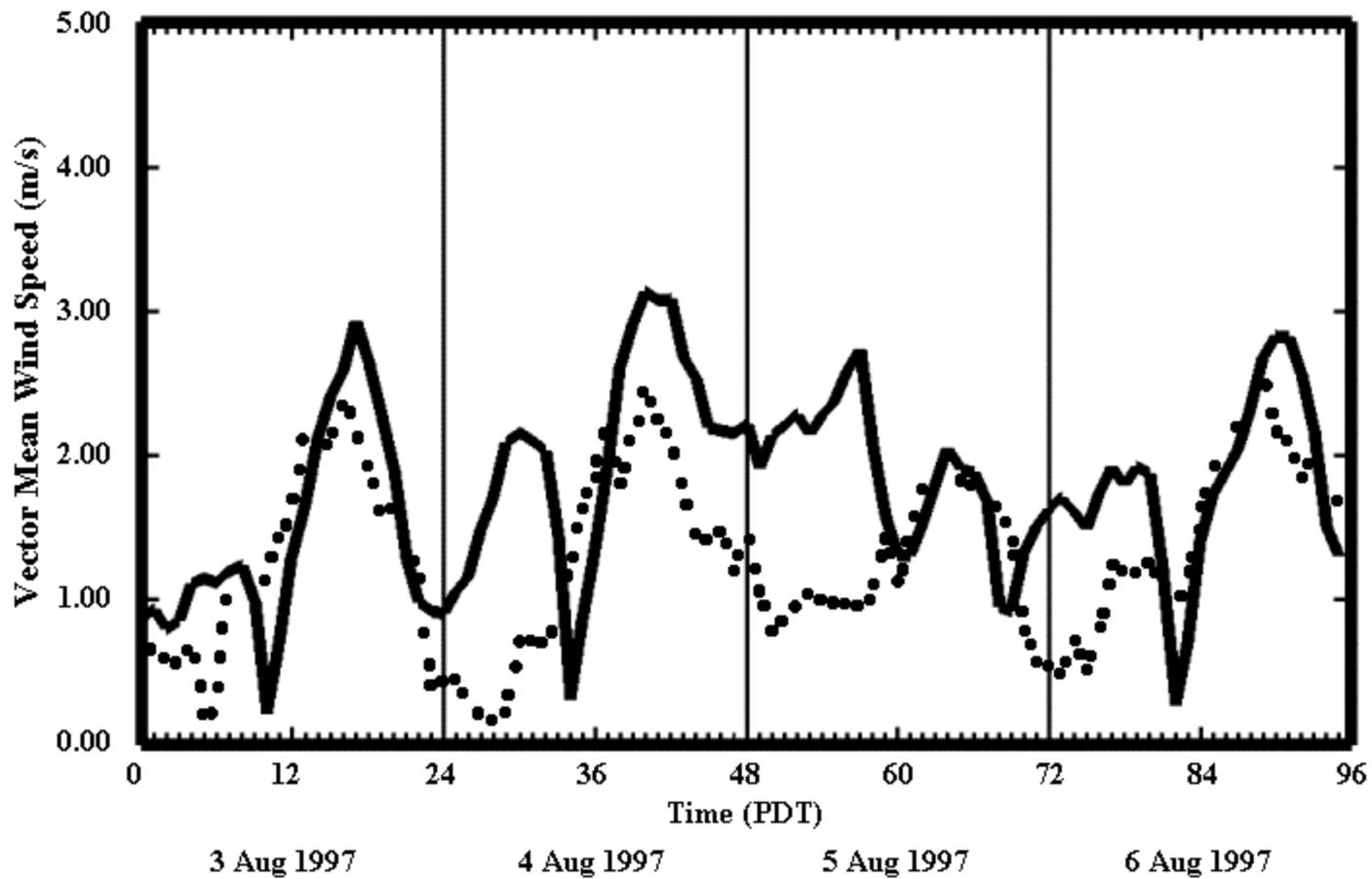


Figure 103b. Vector mean wind speed (m/s) for the full domain for RUN3 -- uncorrected for heights. Solid line is the predicted vector mean wind speed, and dotted line is observed vector mean wind speed.

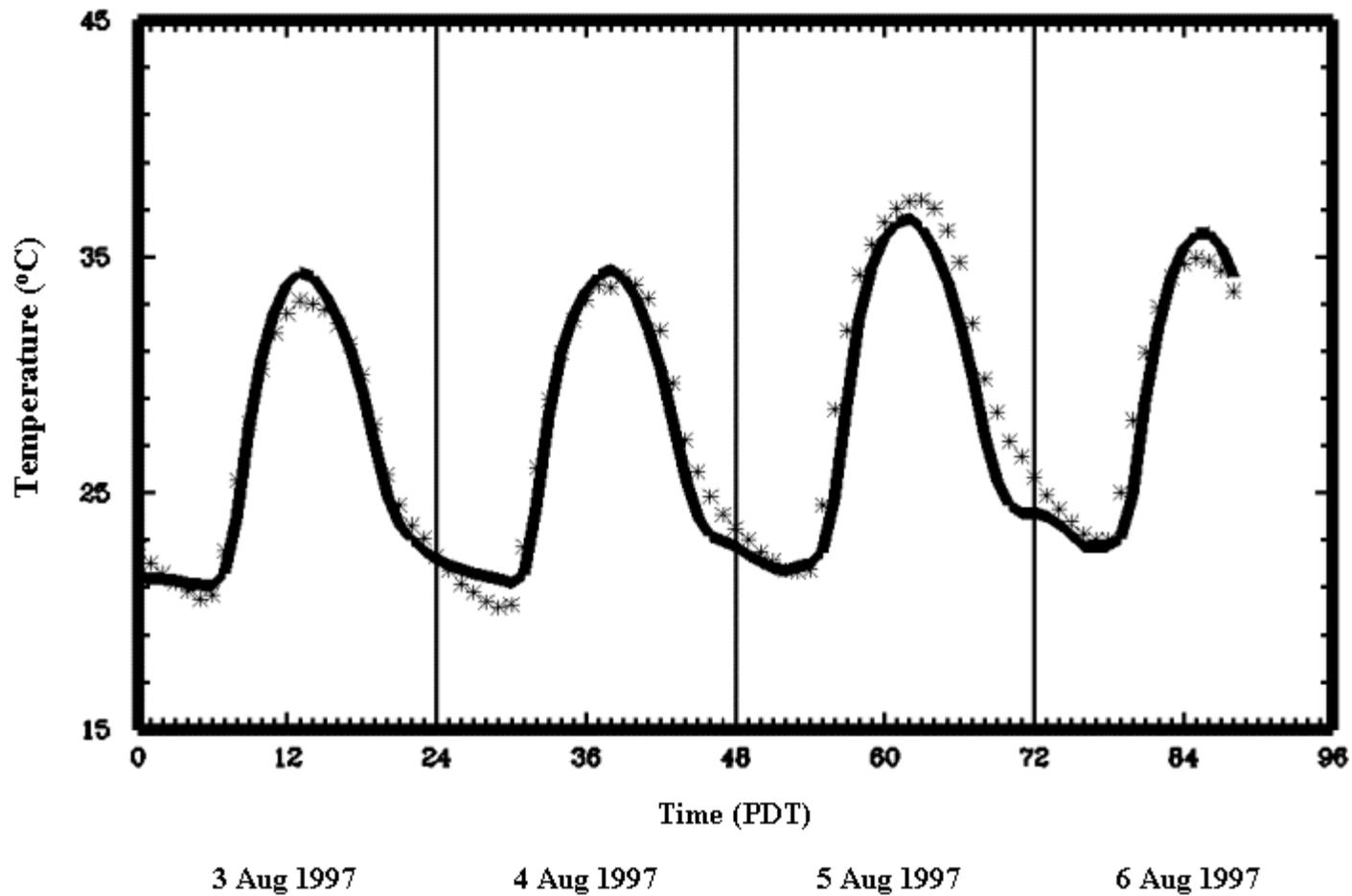


Figure 104. Spatial mean temperature ($^{\circ}\text{C}$) at two meters above the ground for the full domain for RUN4. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

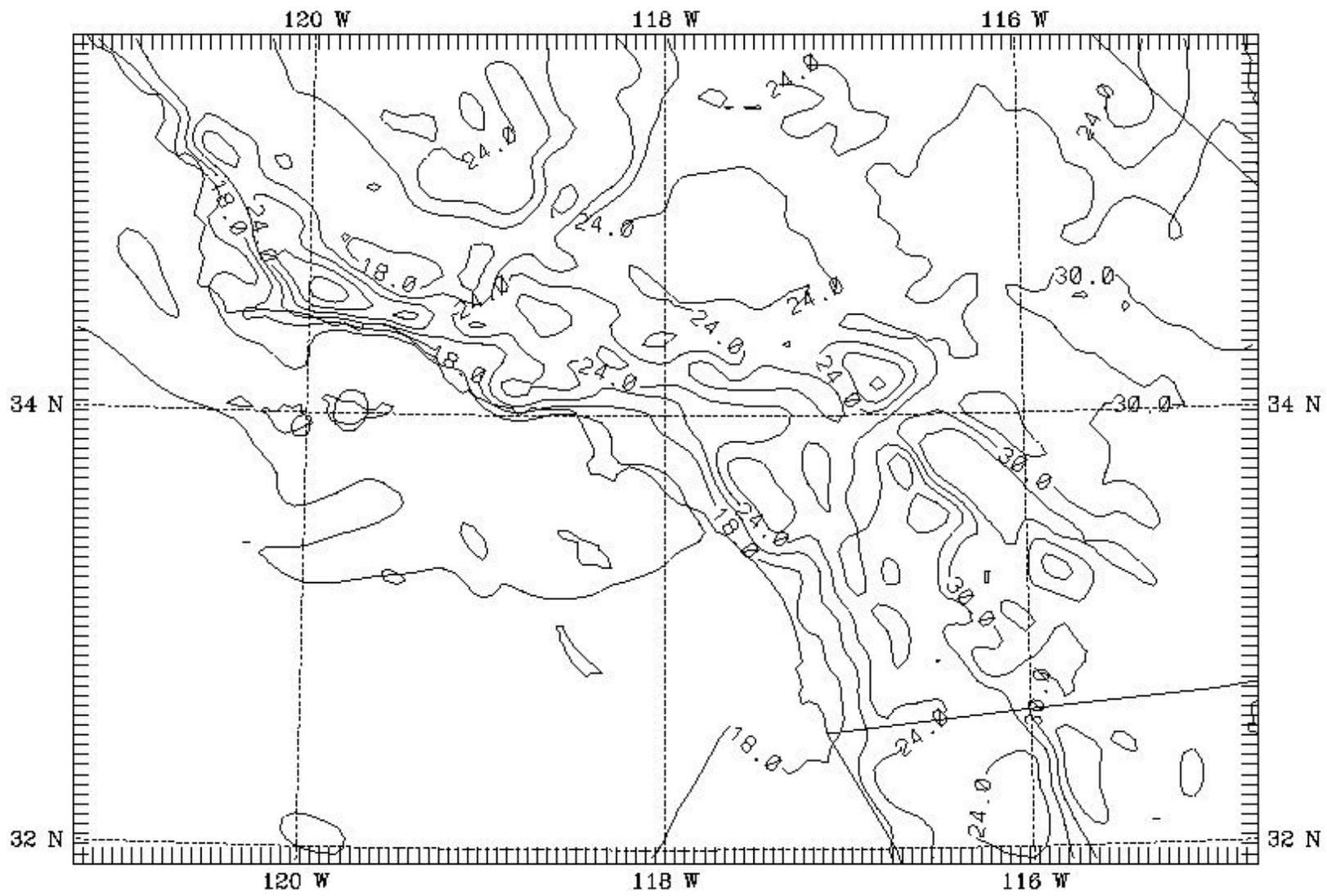


Figure 105a. Run 5 first level temperature contours for 05/09 UTC.

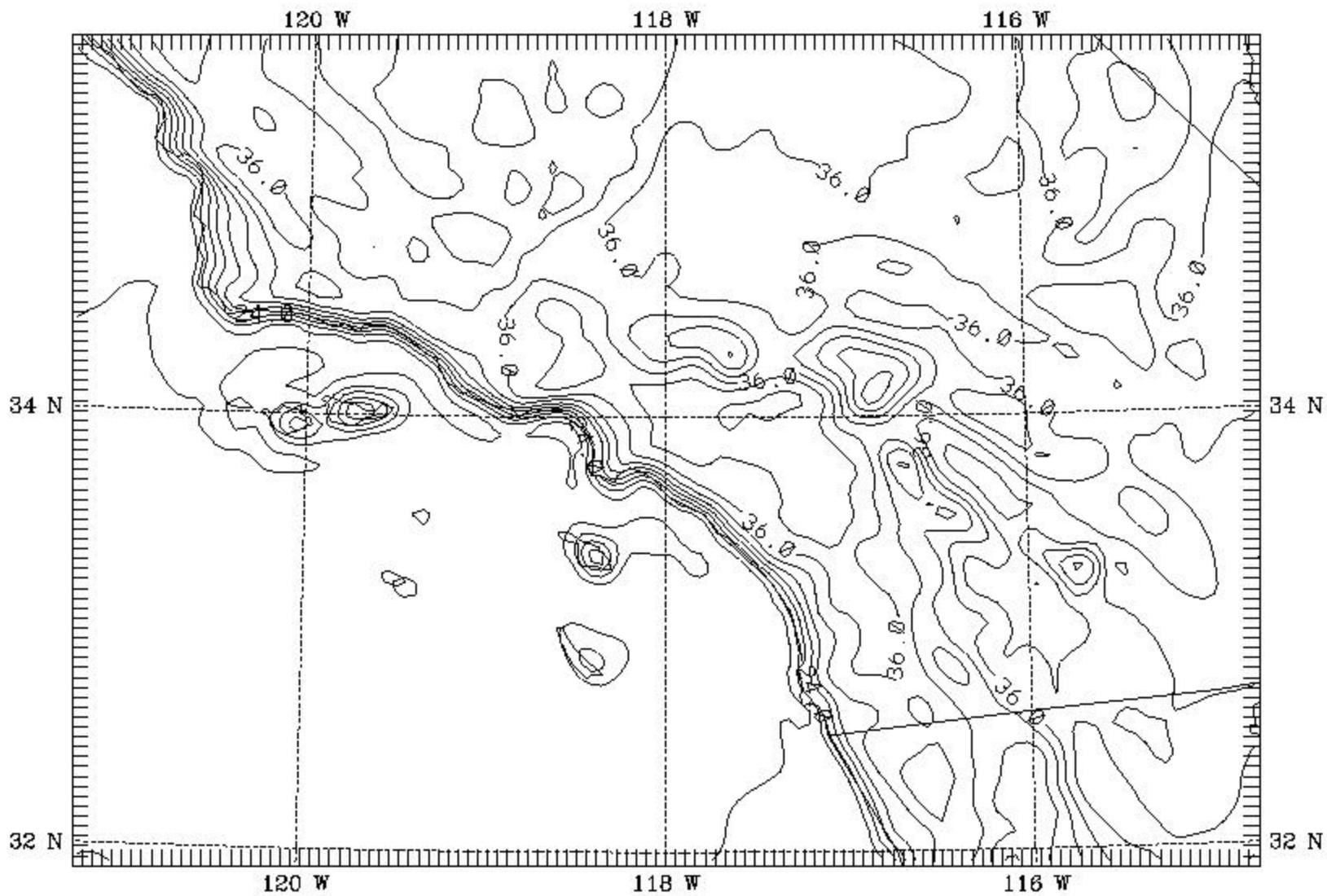


Figure 105b. Run 5 first level temperature contours for 05/21UTC.

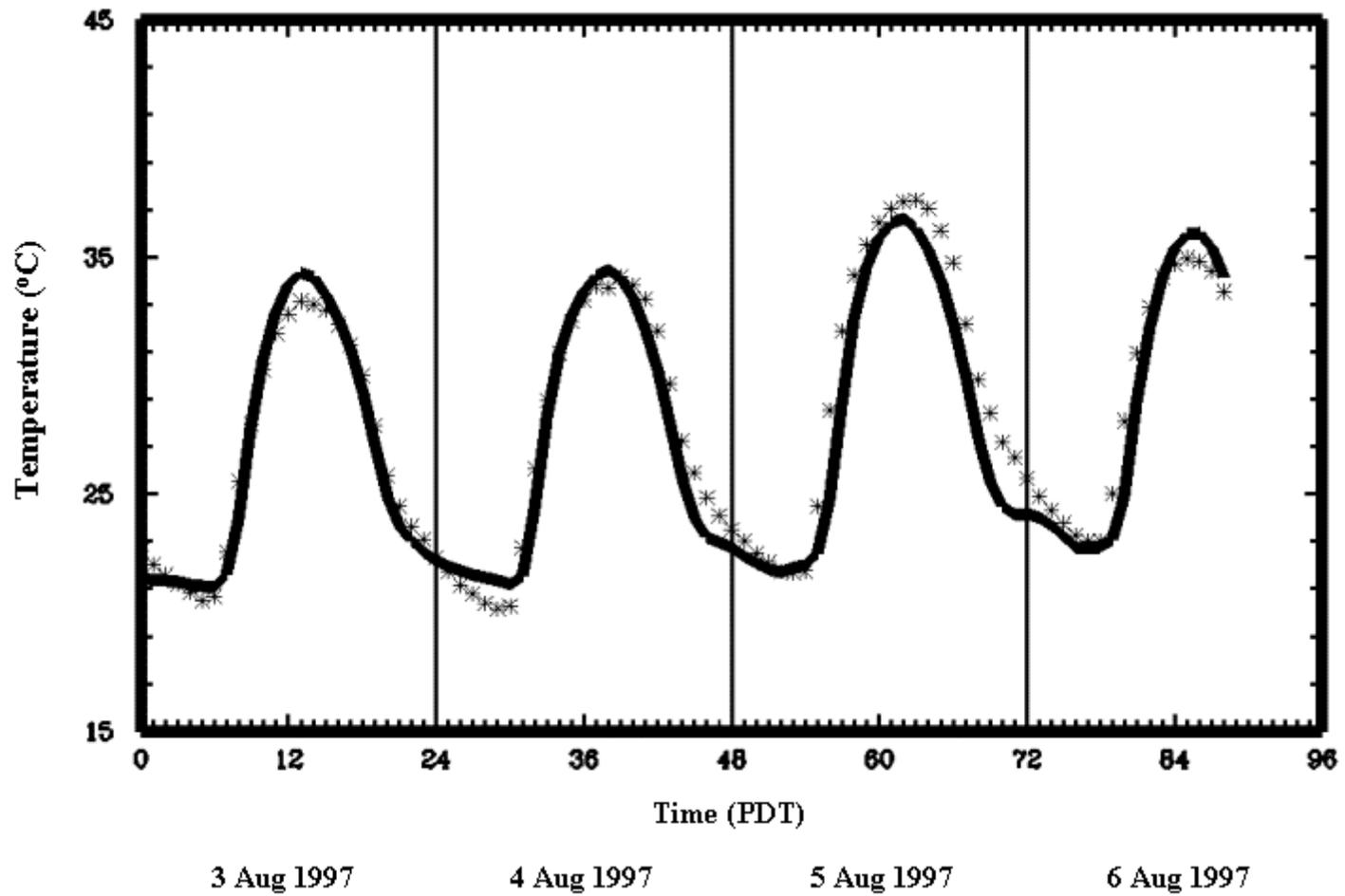


Figure 106. Spatial mean temperature (°C) at two meters above the ground for the full domain for RUN5. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

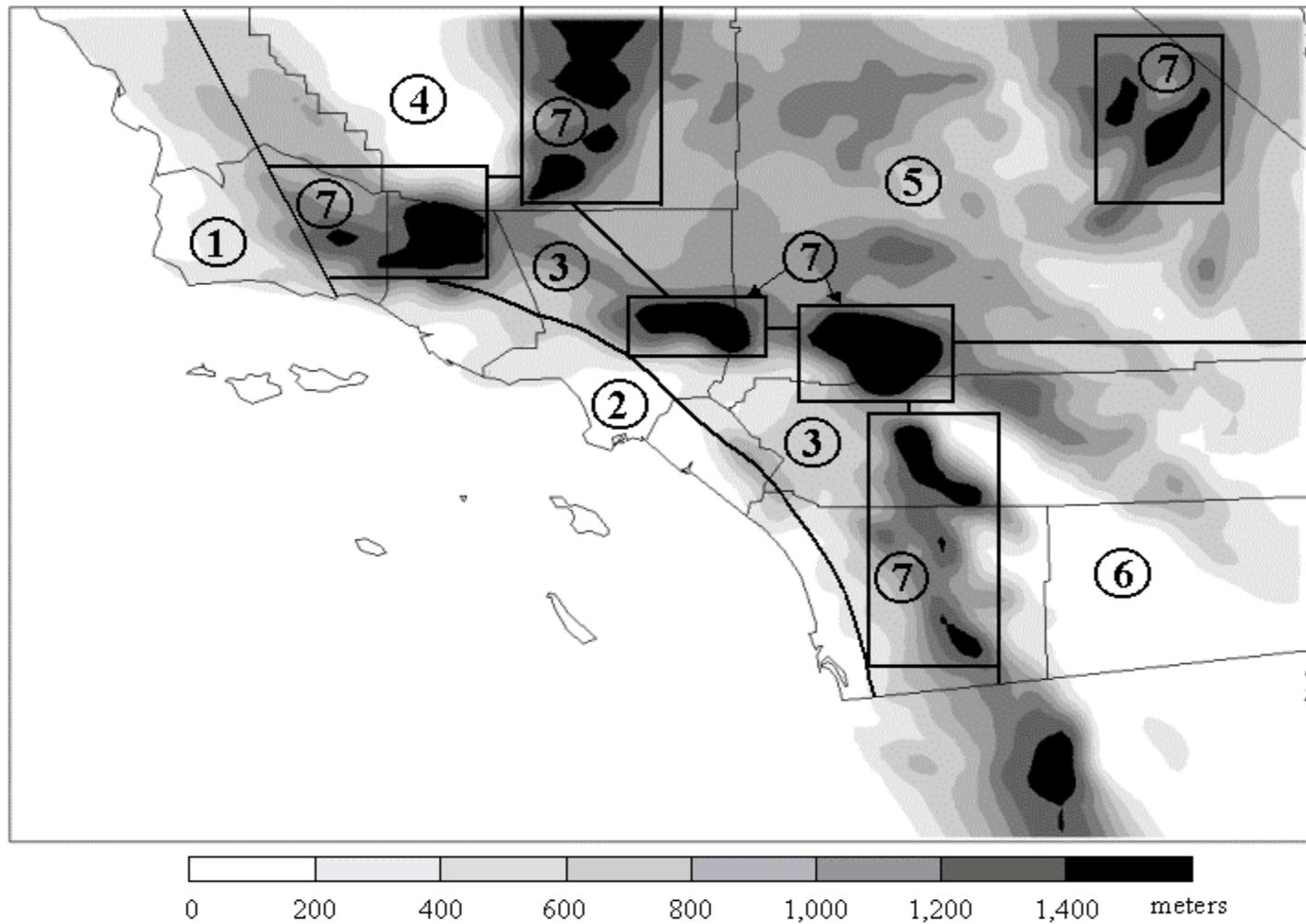


Figure 107. MM5 SCOS-97 model performance evaluation subdomains. 1 -- South Central Coast; 2 -- South Coast; 3 -- Foothills; 4 -- South Central Valley; 5 -- Interior; 6 -- Desert; and 7 -- Mountains.

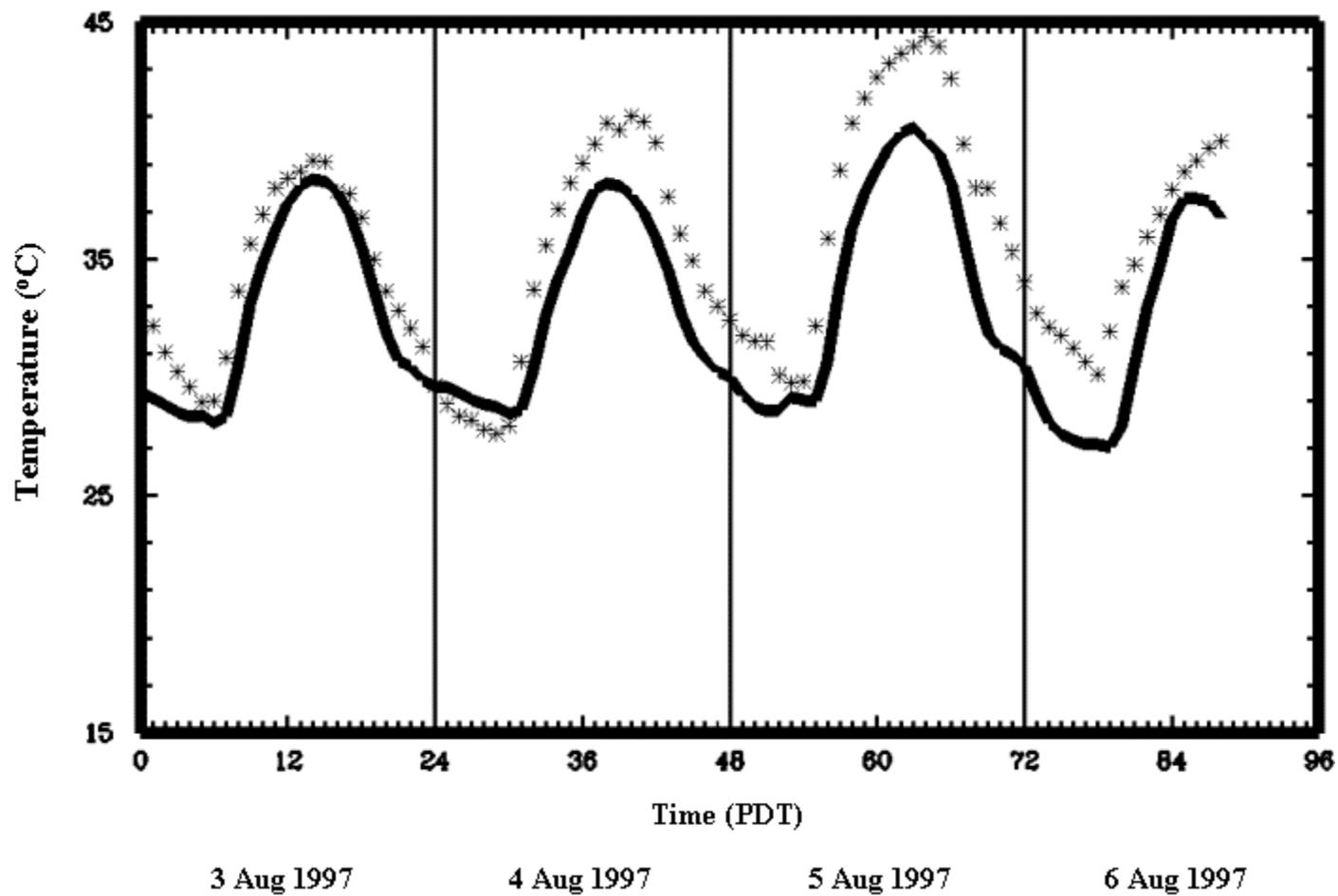


Figure 108a. Spatial mean temperature (°C) at two meters above the ground for the Desert subdomain for RUN5. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

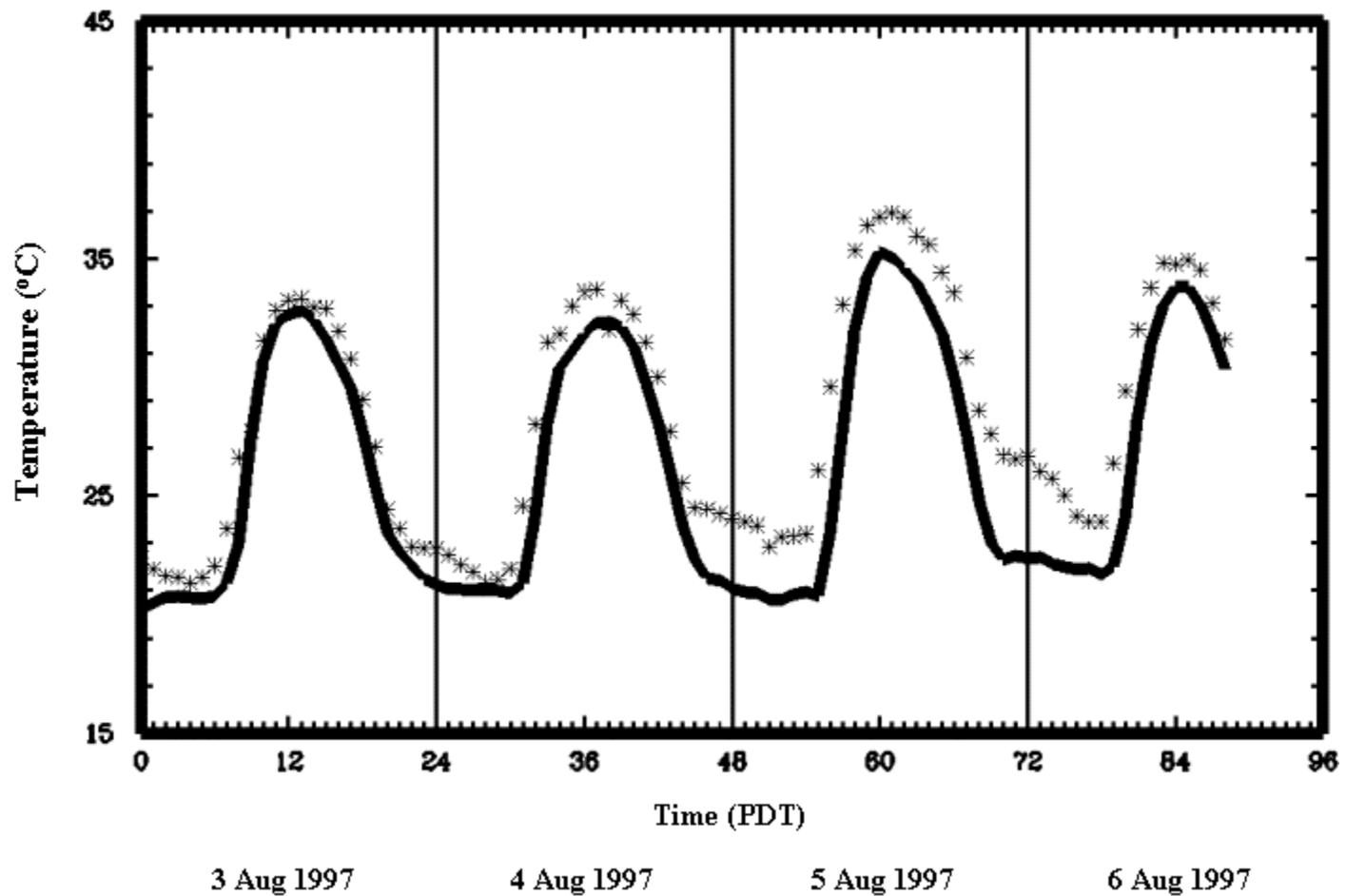


Figure 108b. Spatial mean temperature (°C) at two meters above the ground for the Foothills subdomain for RUN5. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

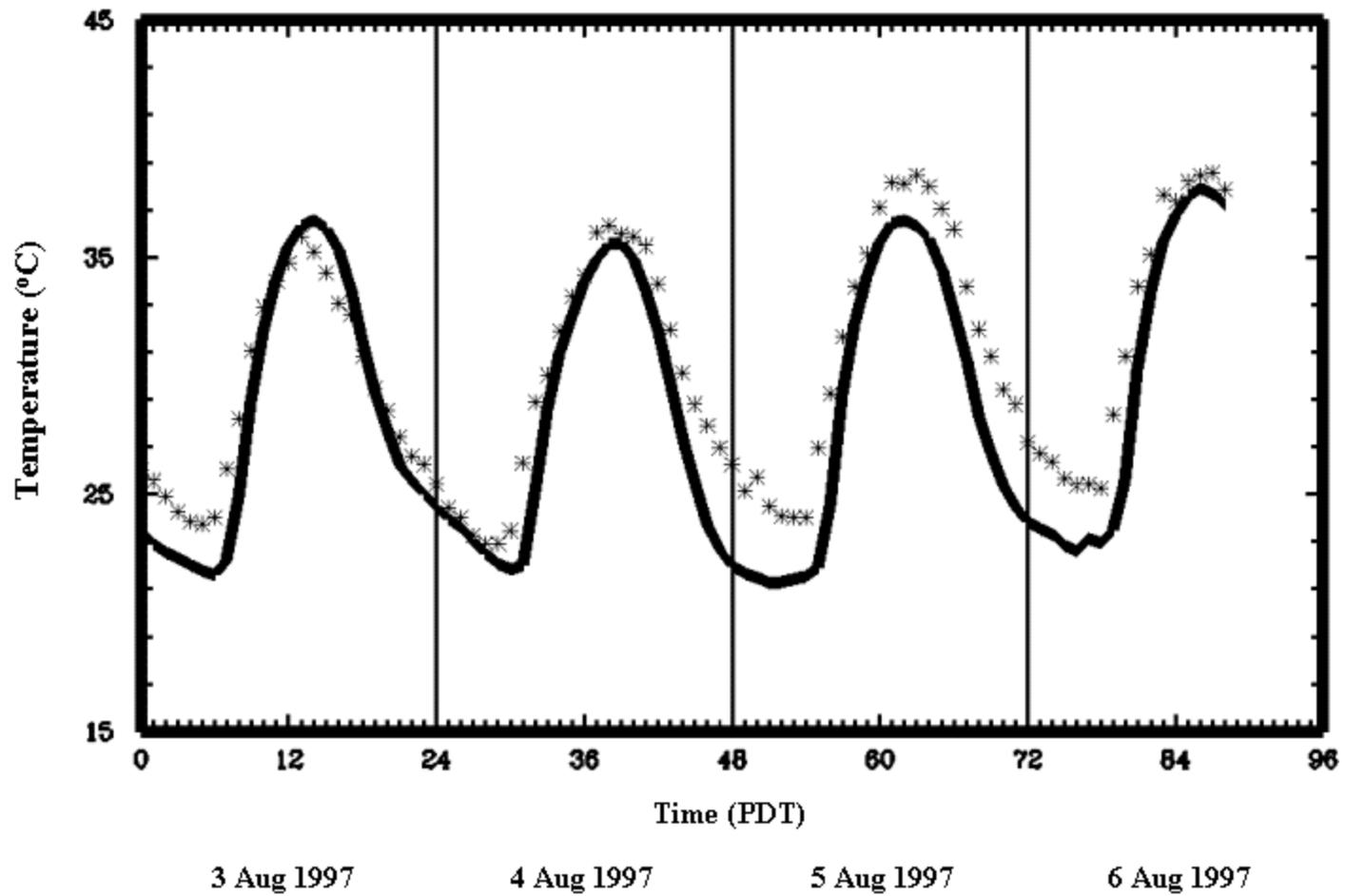


Figure 108c. Spatial mean temperature (oC) at two meters above the ground for the Interior subdomain for RUN5. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

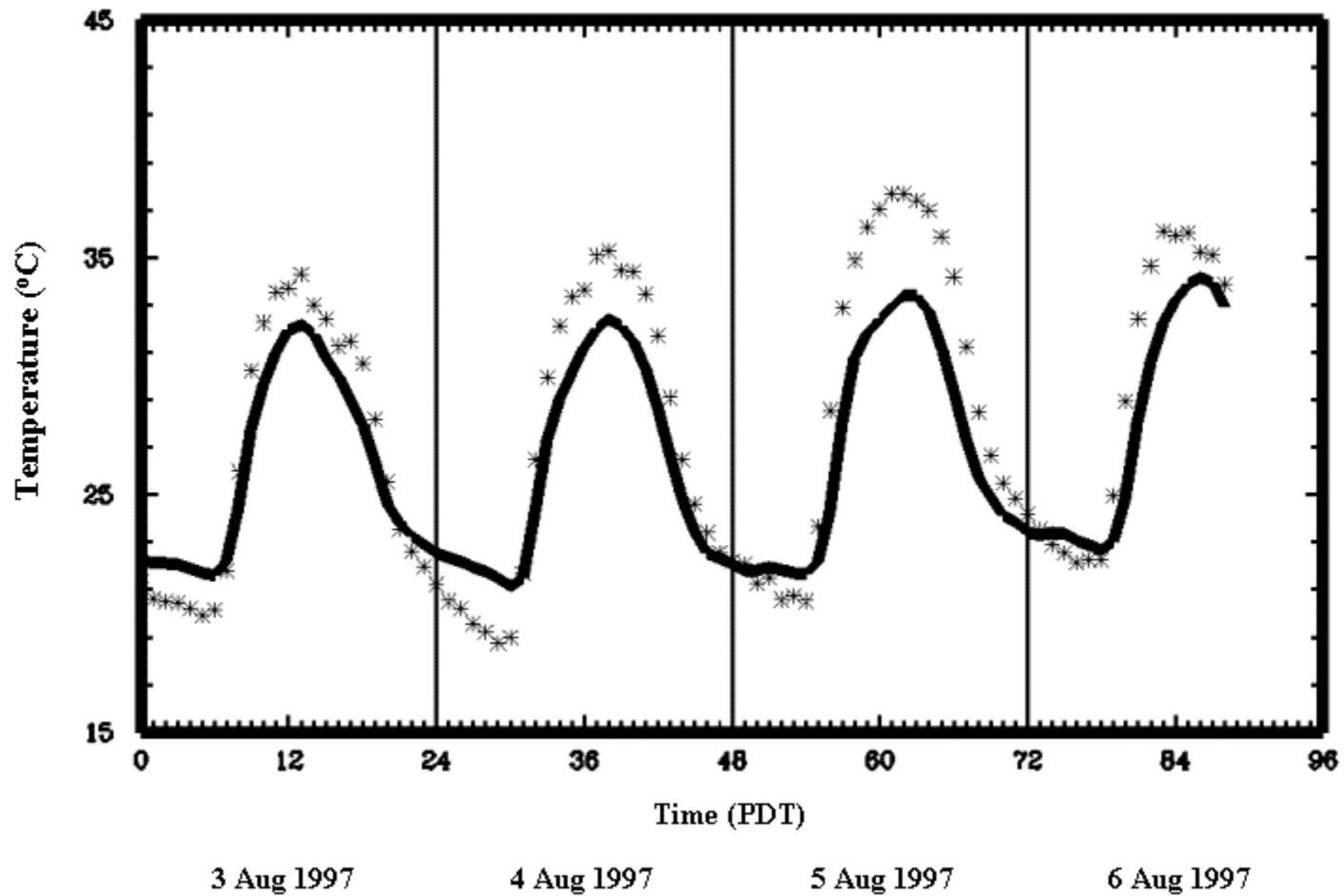


Figure 108d. Spatial mean temperature (°C) at two meters above the ground for the Mountains subdomain for RUN5. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

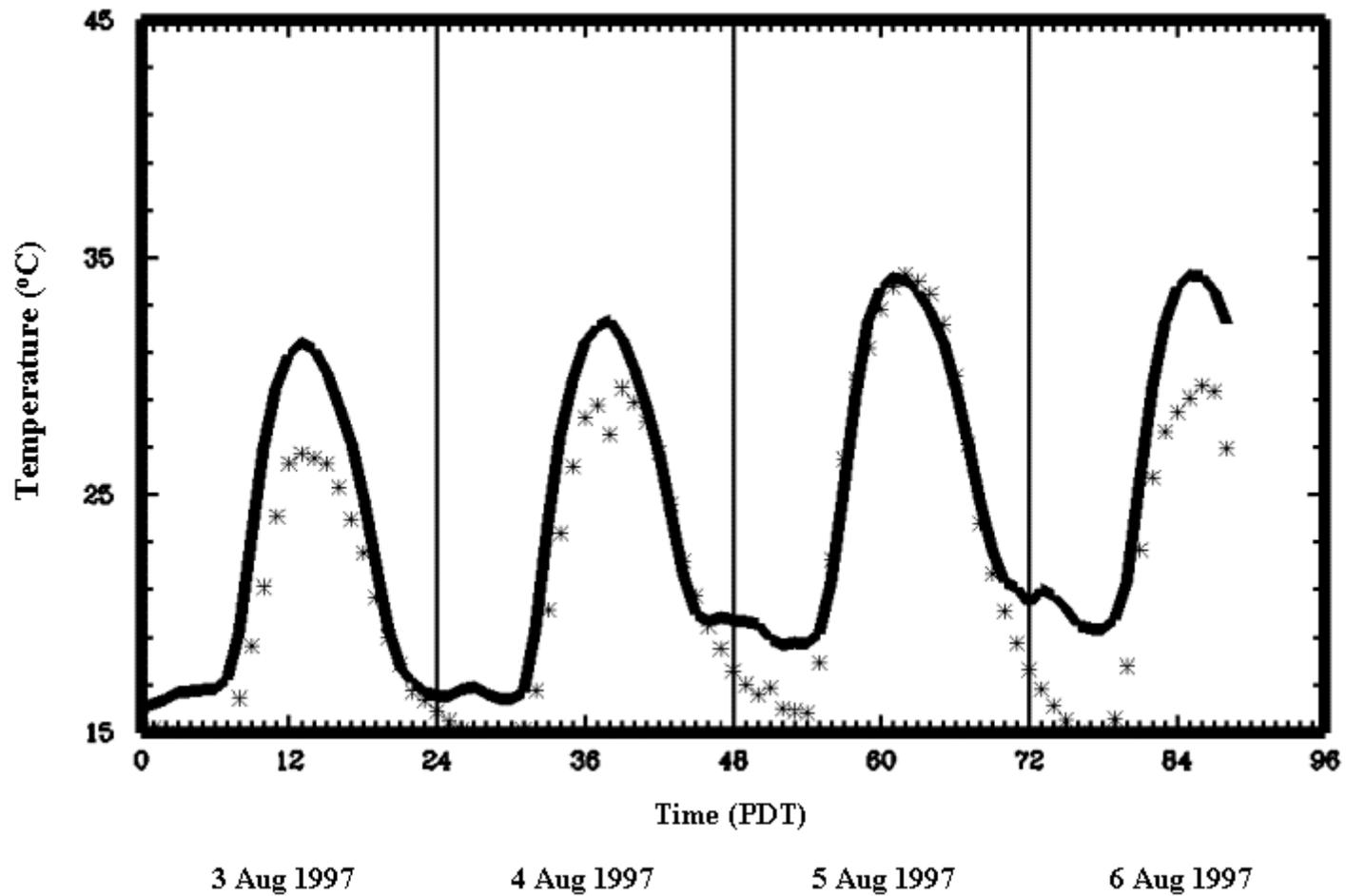


Figure 108e. Spatial mean temperature (°C) at two meters above the ground for the South Central Coast subdomain for RUN5. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

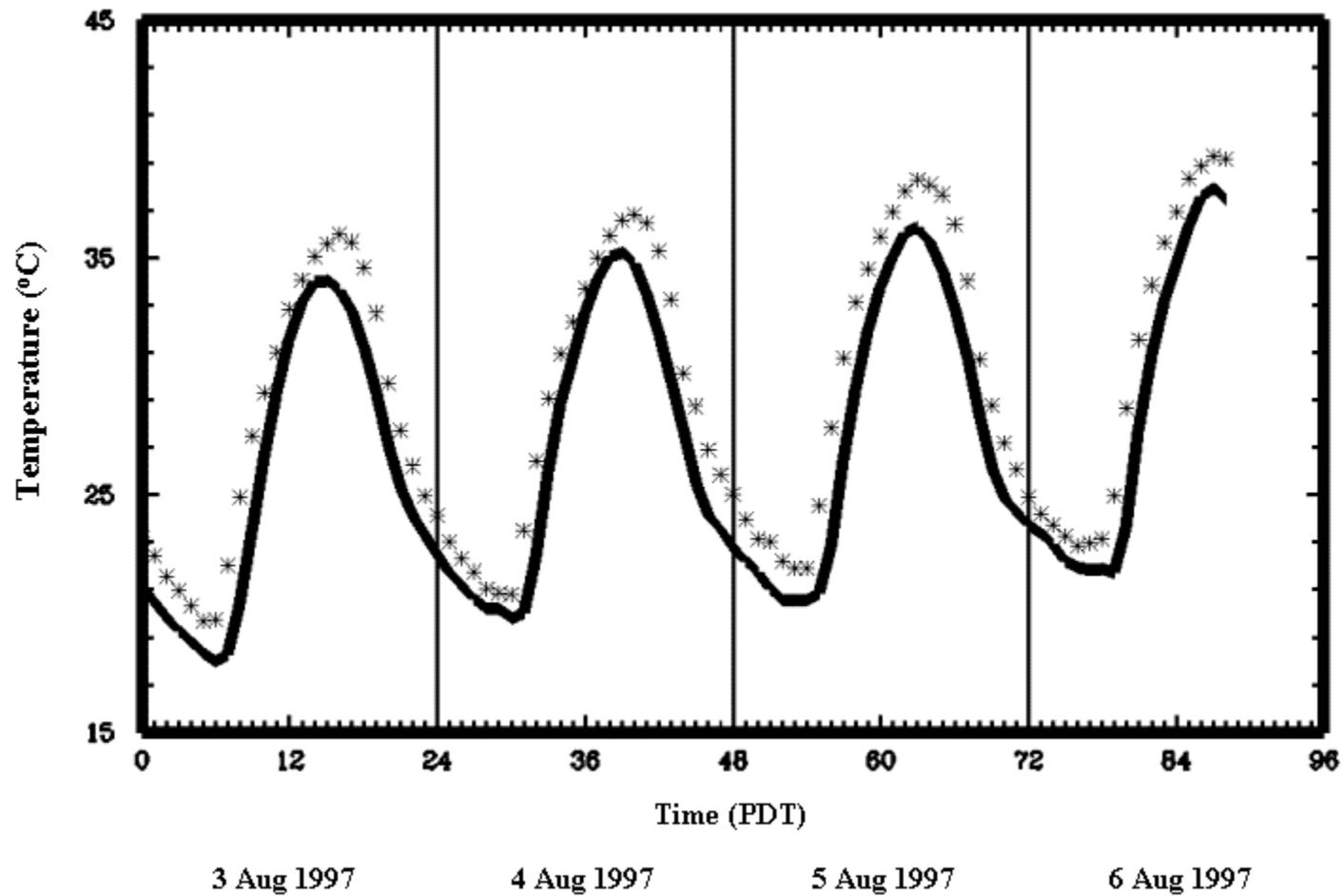


Figure 108f. Spatial mean temperature (°C) at two meters above the ground for the South Central Valley subdomain for RUN5. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

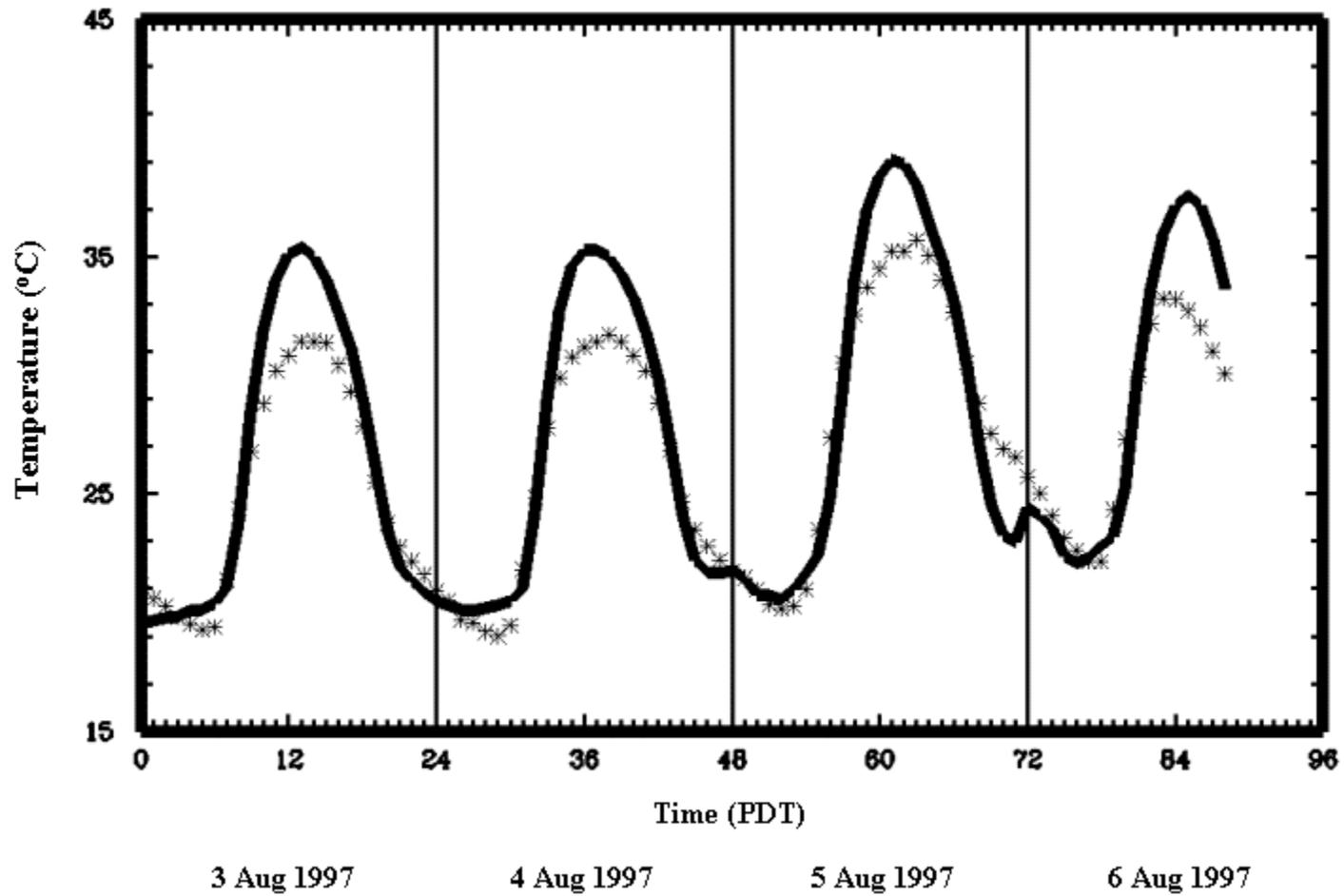


Figure 108g. Spatial mean temperature (°C) at two meters above the ground for the South Coast subdomain for RUN5. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

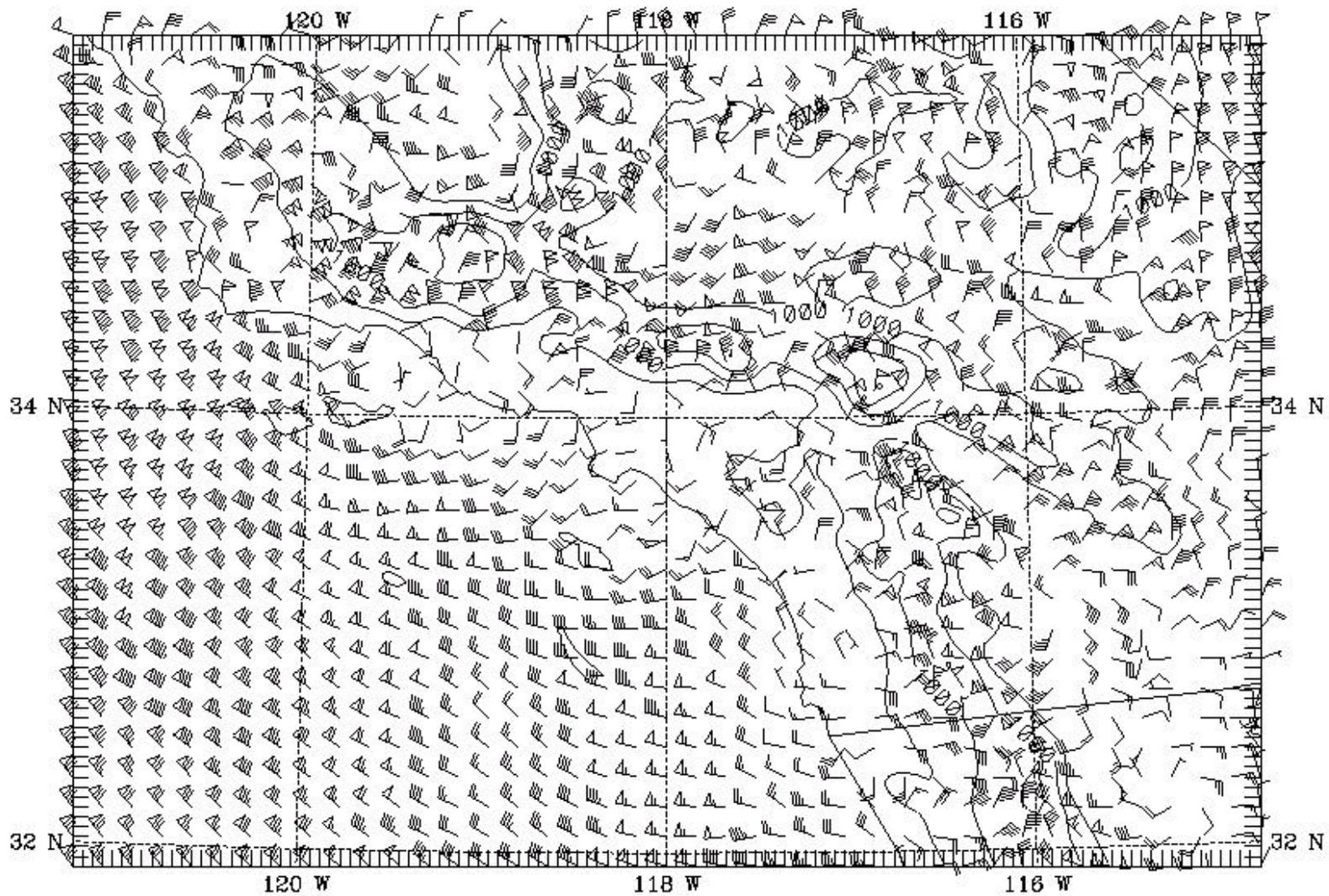


Figure 109a. Run 5 first level winds for 05/09 UTC.

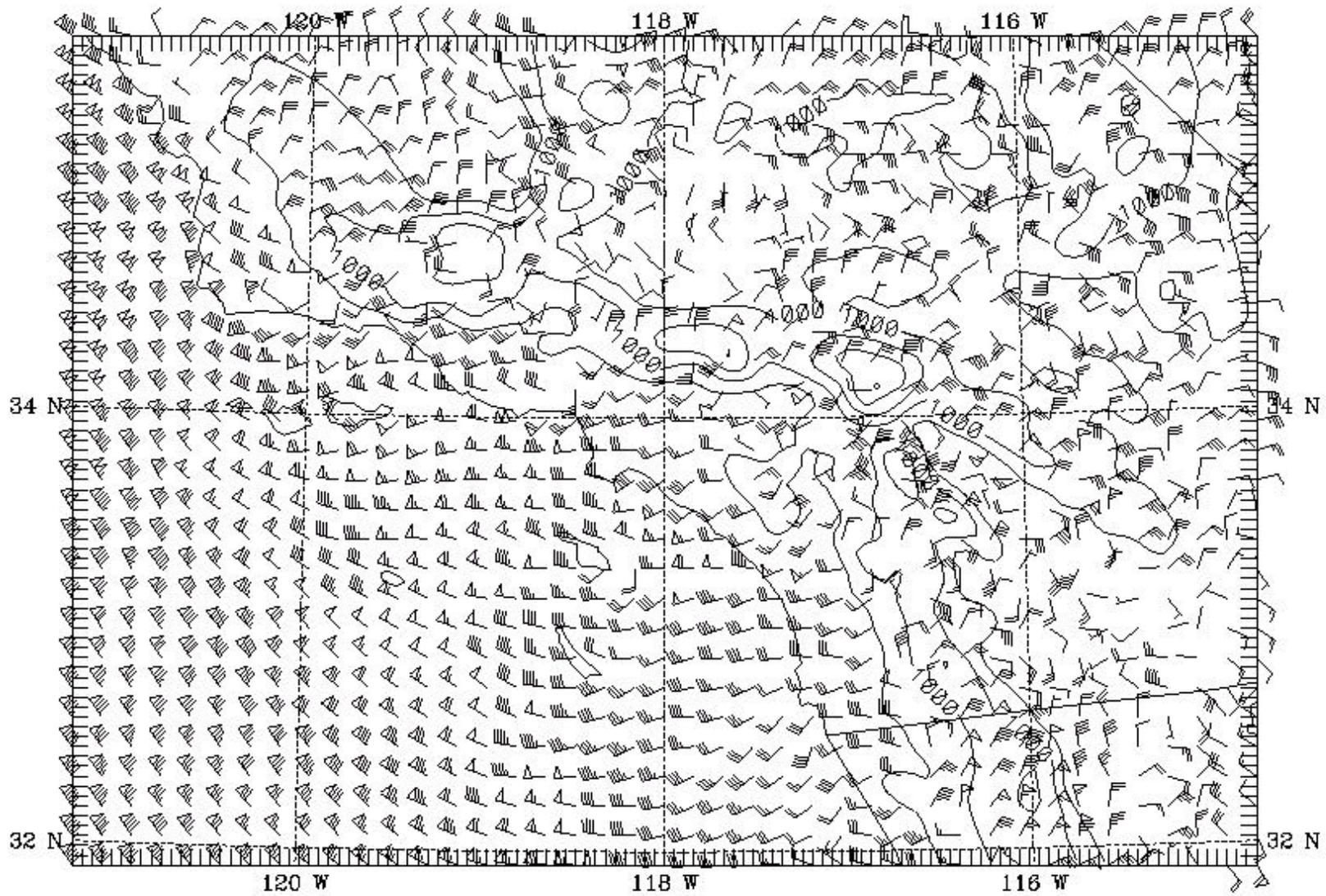


Figure 109b. Run 5 first level winds for 05/21UTC.

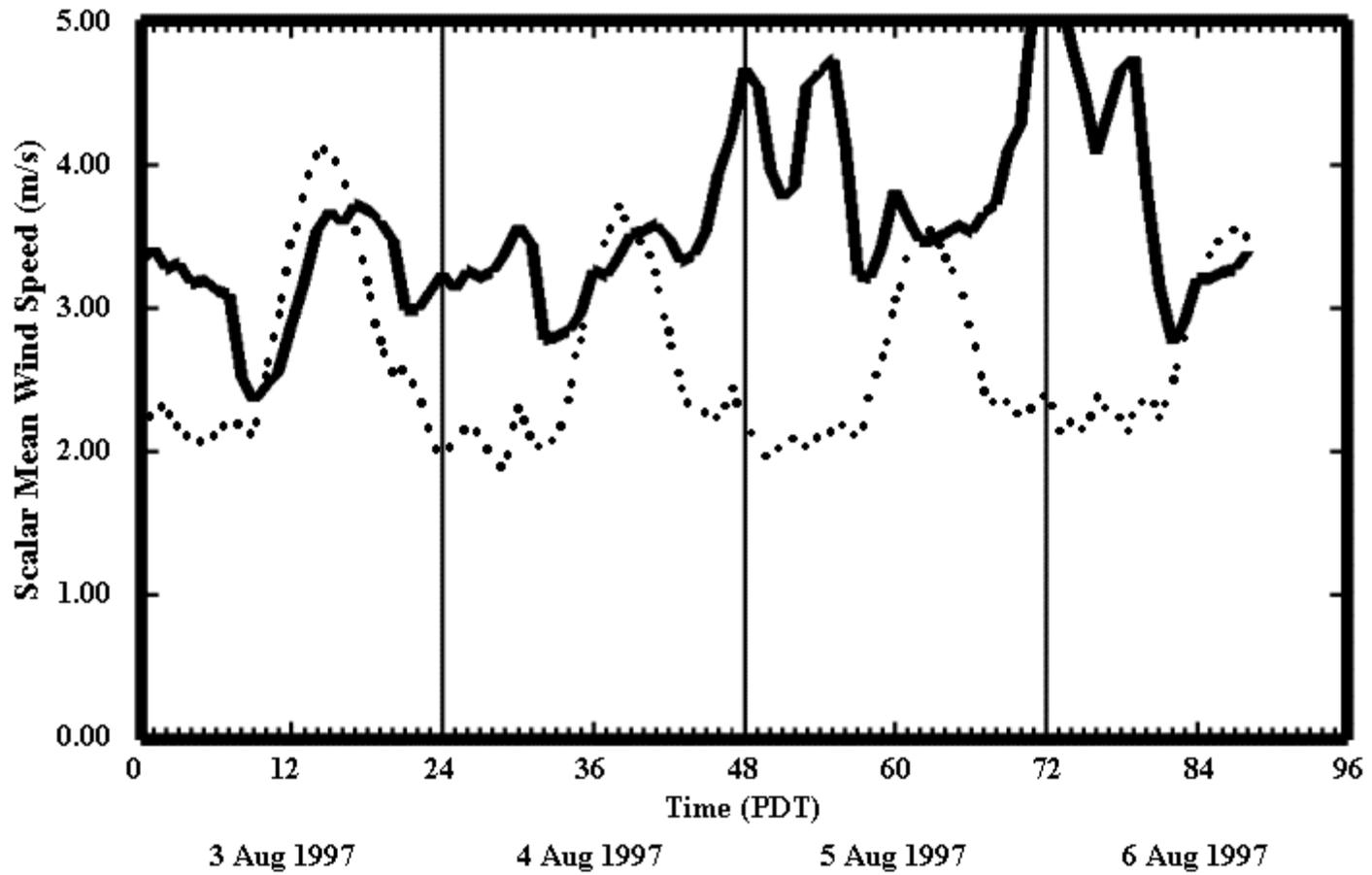


Figure 110. Scalar mean wind speed (m/s) for the full domain for RUN5 -- uncorrected for heights. Solid line is the predicted scalar mean wind speed, and dotted line is observed scalar mean wind speed.

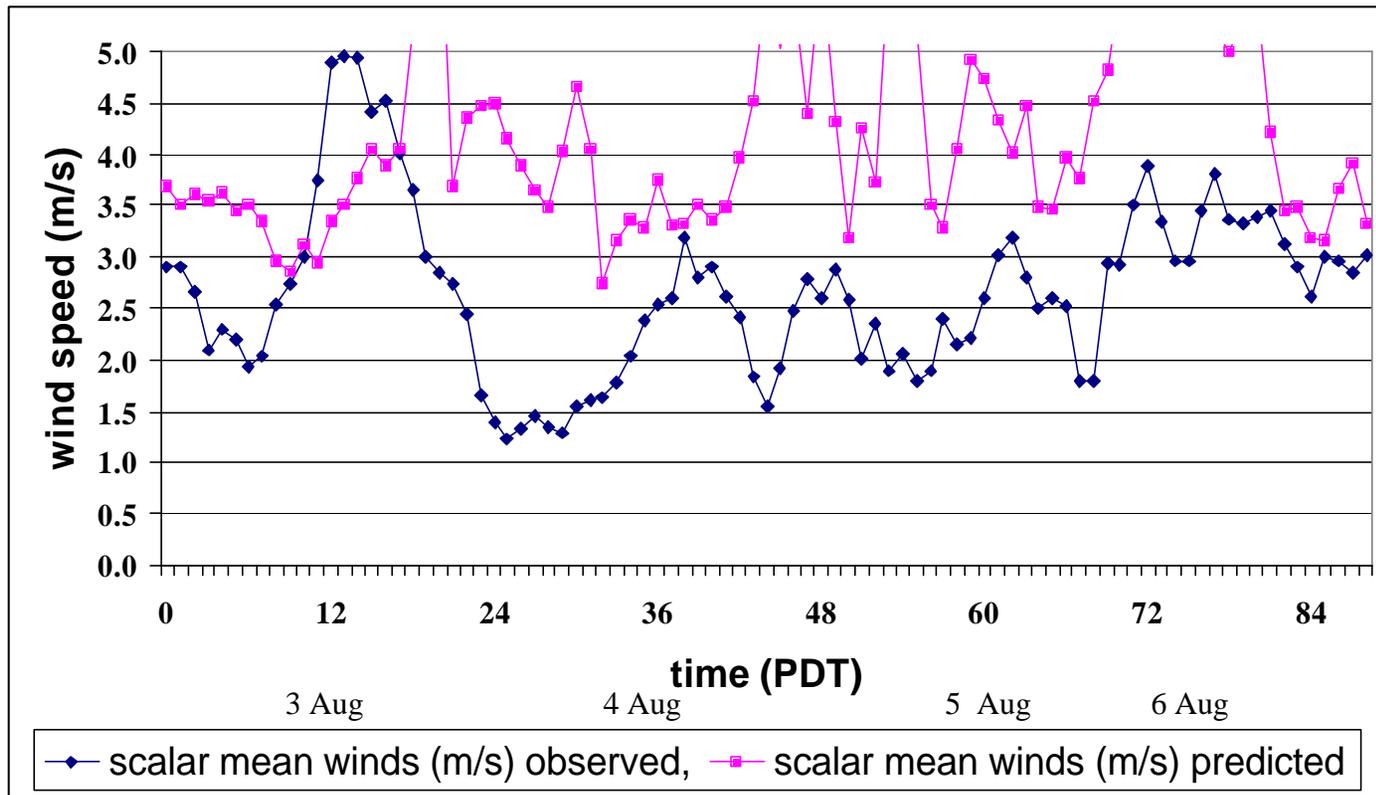


Figure 111a . Scalar mean wind speed (m/s) for the Desert subdomain for RUN5 -- uncorrected for heights.

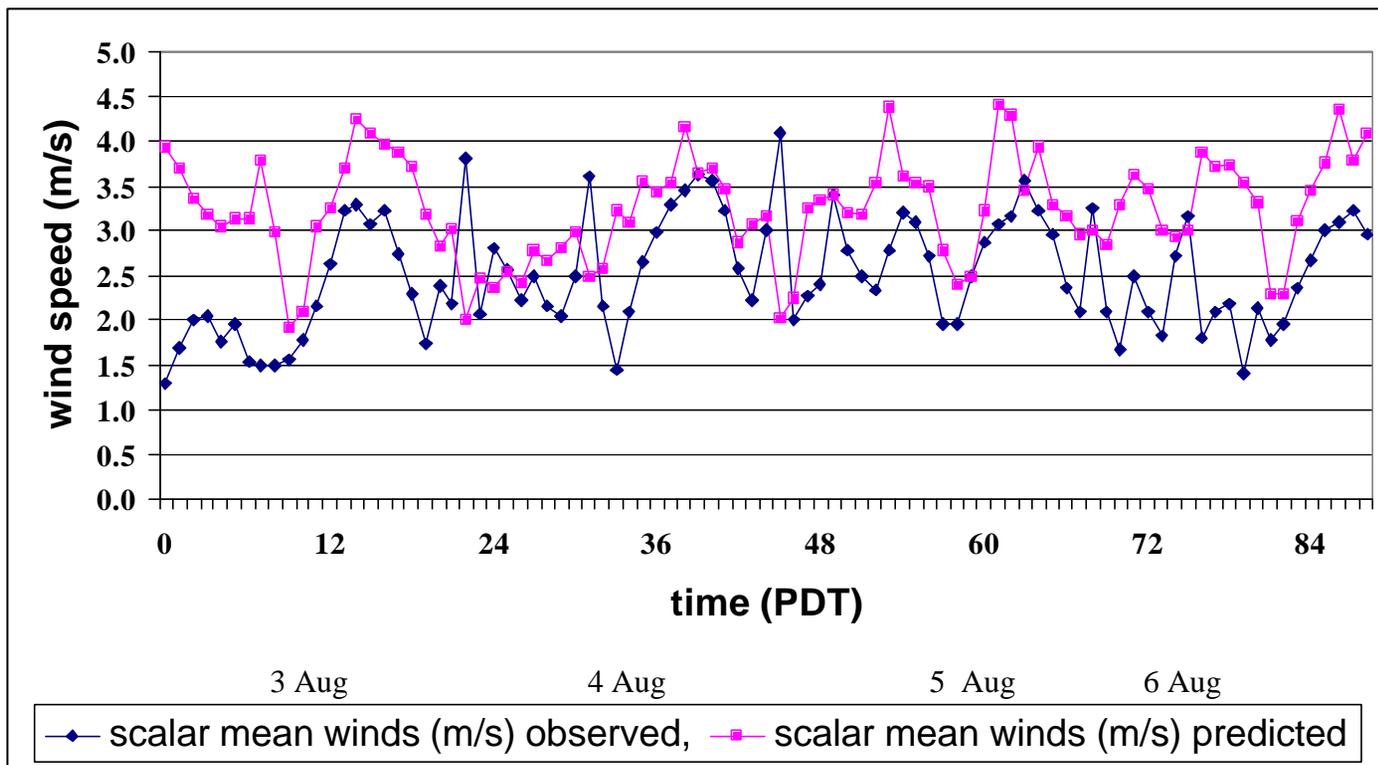


Figure 111b. Scalar mean wind speed (m/s) for the Foothills subdomain for RUN5 -- uncorrected for heights.

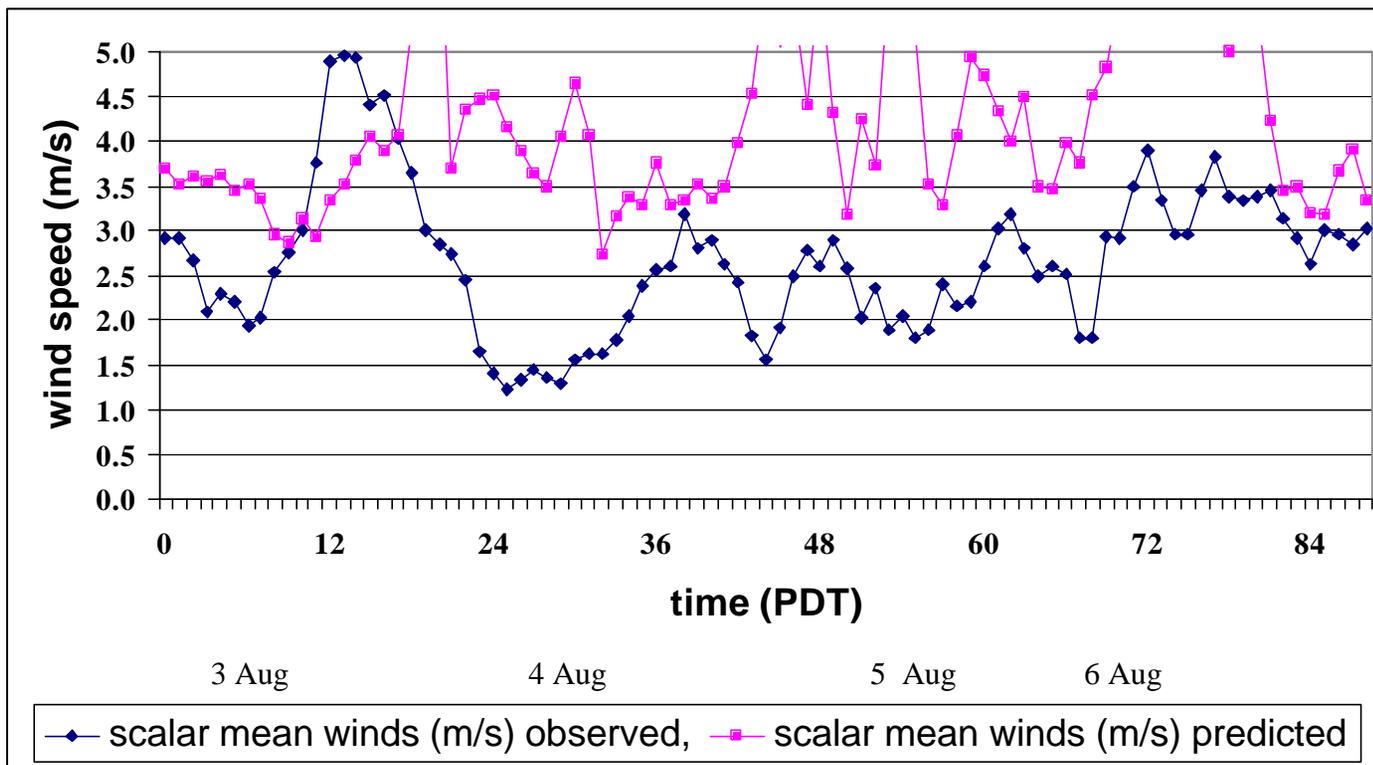


Figure 111c. Scalar mean wind speed (m/s) for the Interior subdomain for RUN5 -- uncorrected for heights.

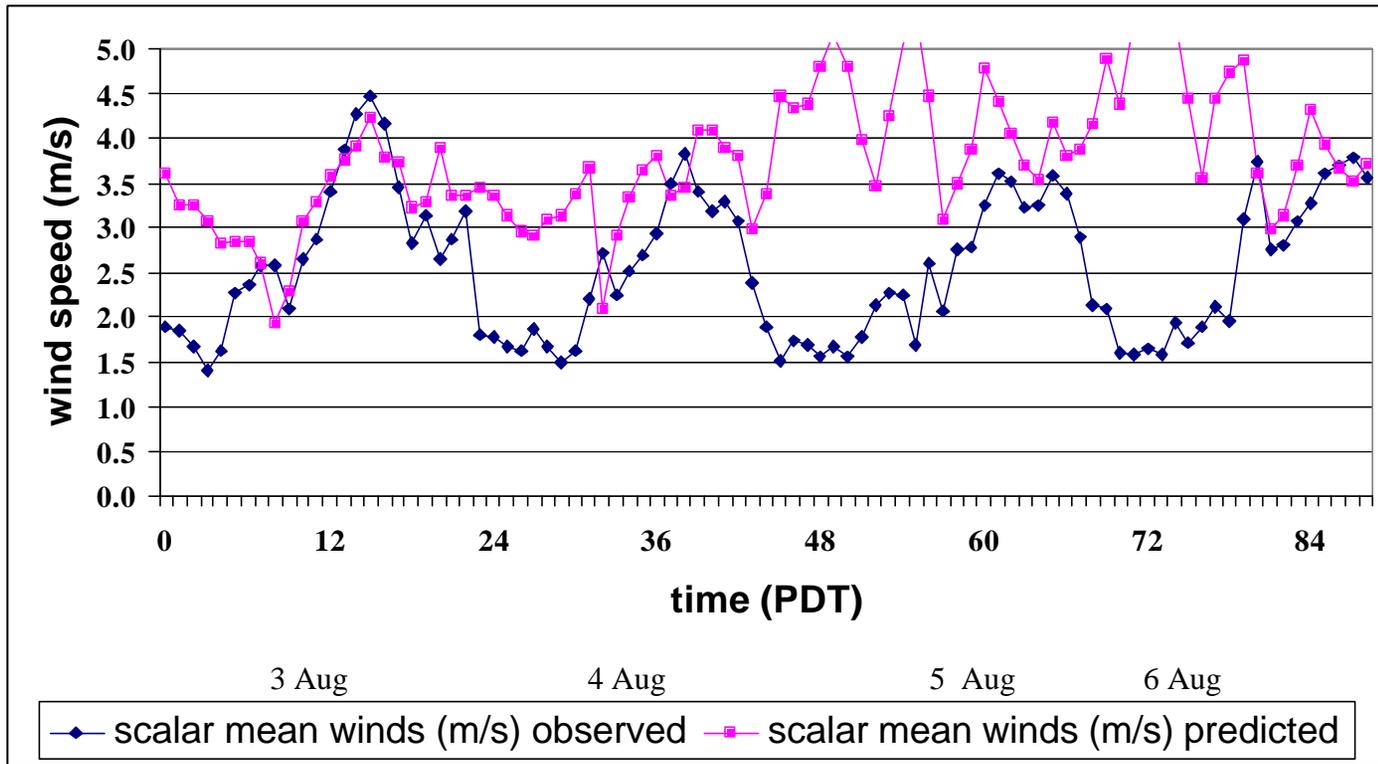


Figure 111d. Scalar mean wind speed (m/s) for the Mountains subdomain for RUN5 -- uncorrected for heights.

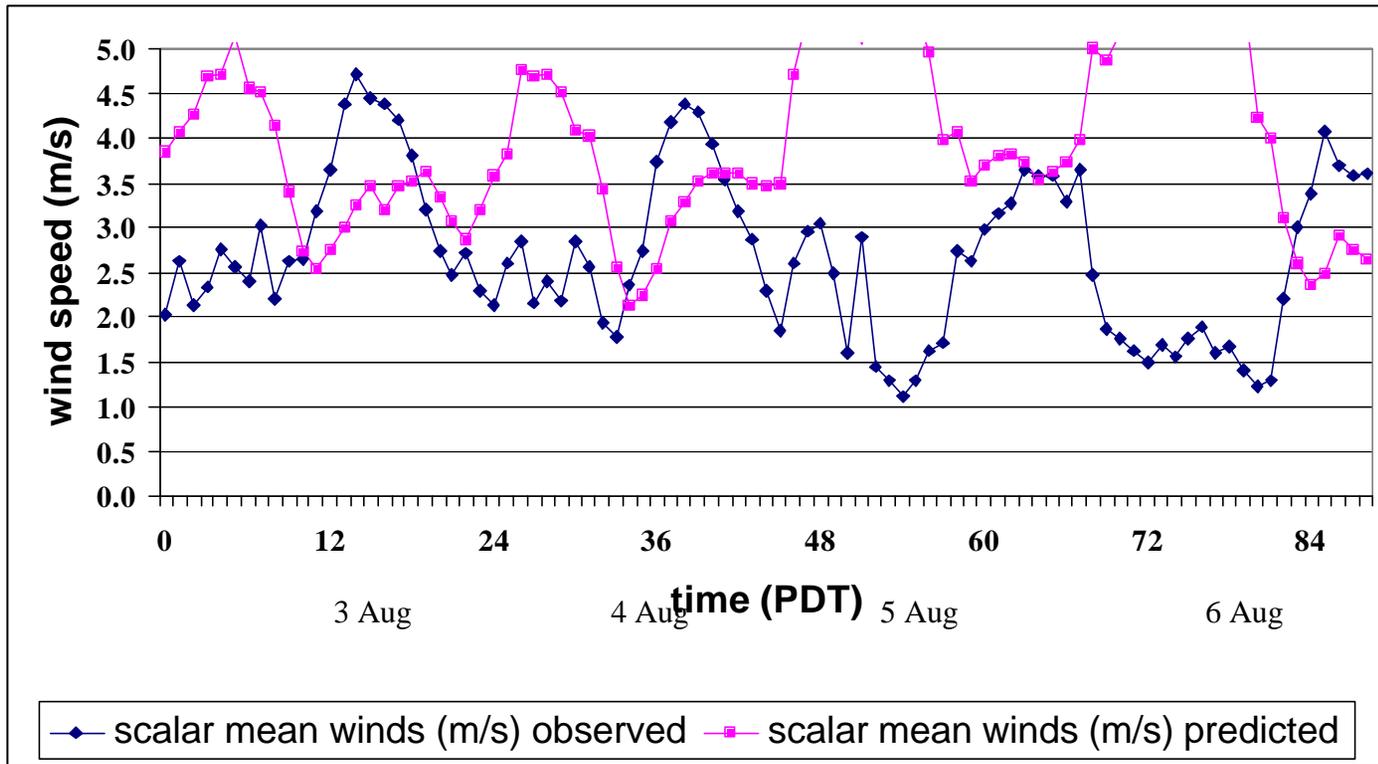


Figure 111e. Scalar mean wind speed (m/s) for the South Central Coast subdomain for RUN5 -- uncorrected for heights. .

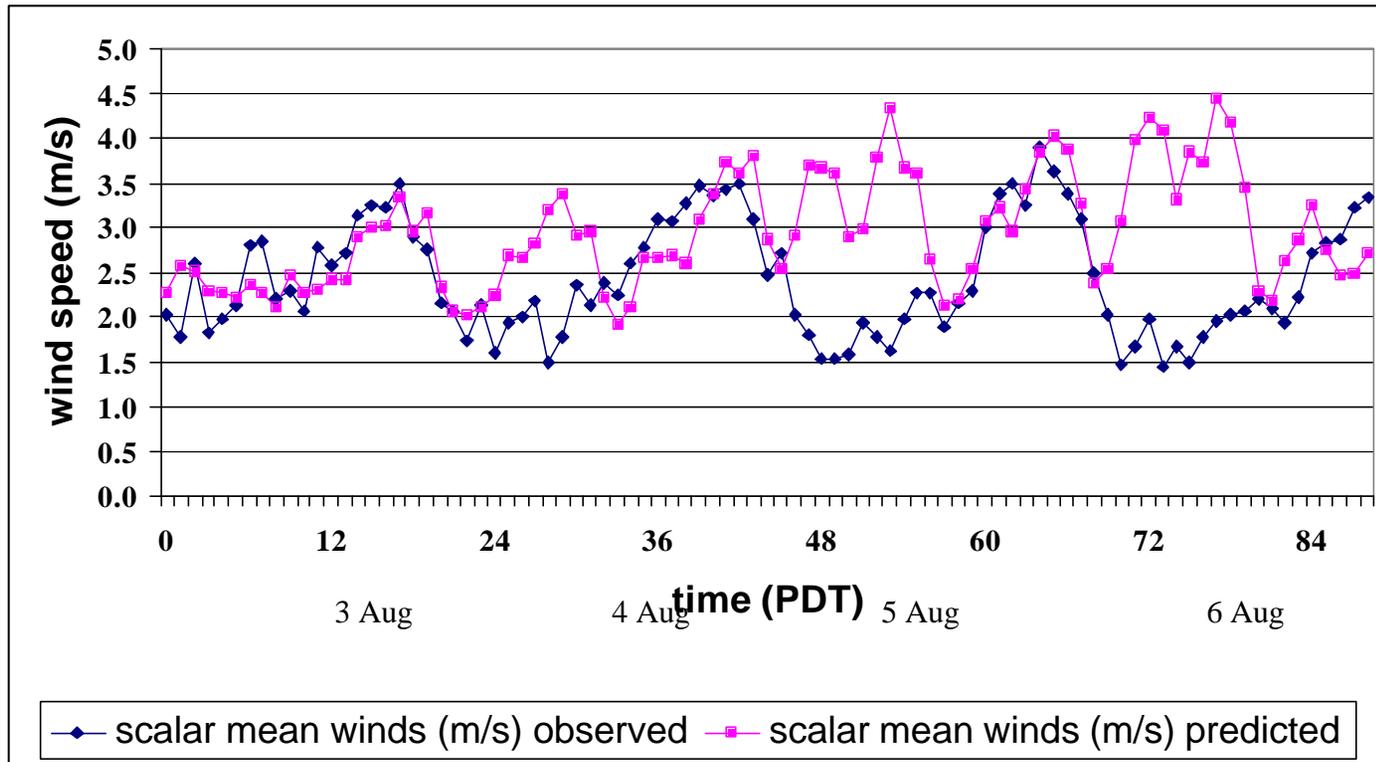


Figure 111f . Scalar mean wind speed (m/s) for the South Central Valley subdomain for RUN5 -- uncorrected for heights.

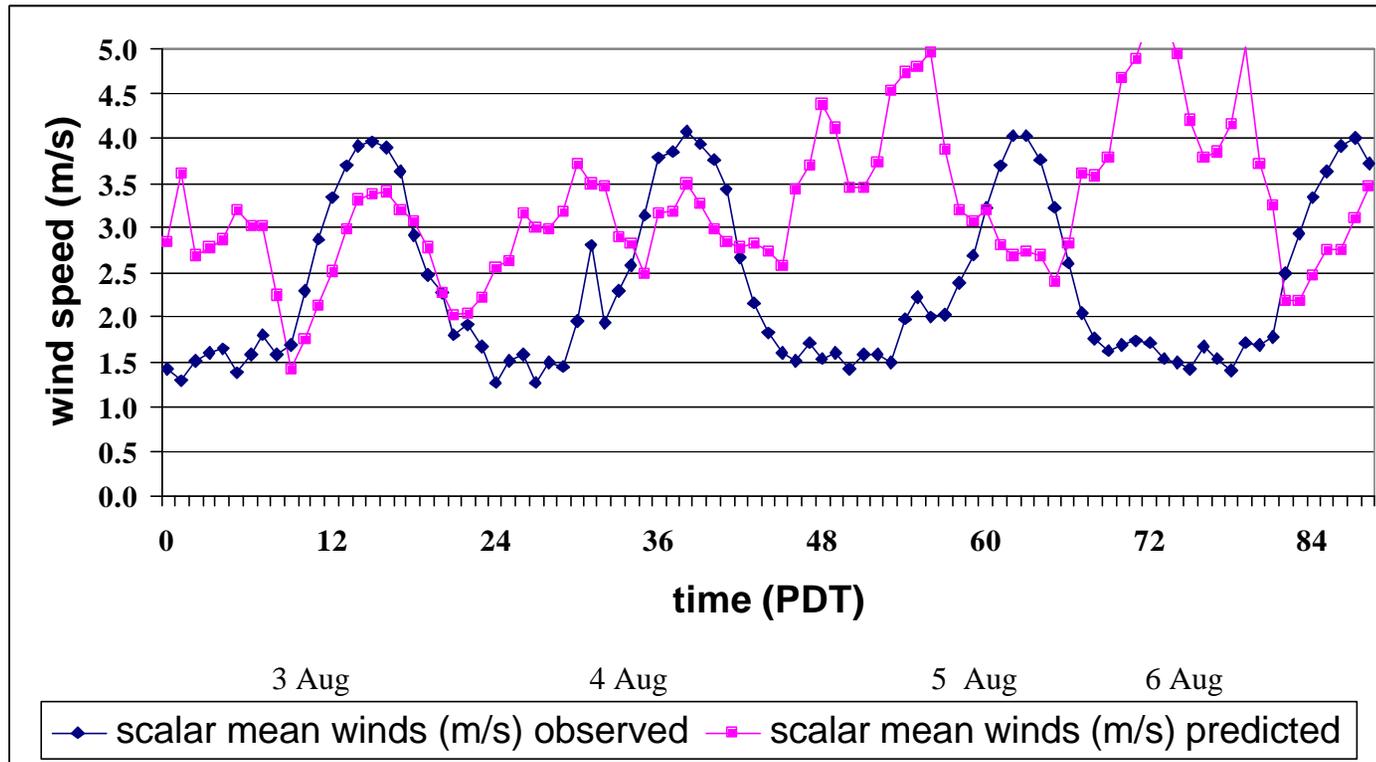


Figure 111g. Scalar mean wind speed (m/s) for the South Coast subdomain for RUN5 -- uncorrected for heights.

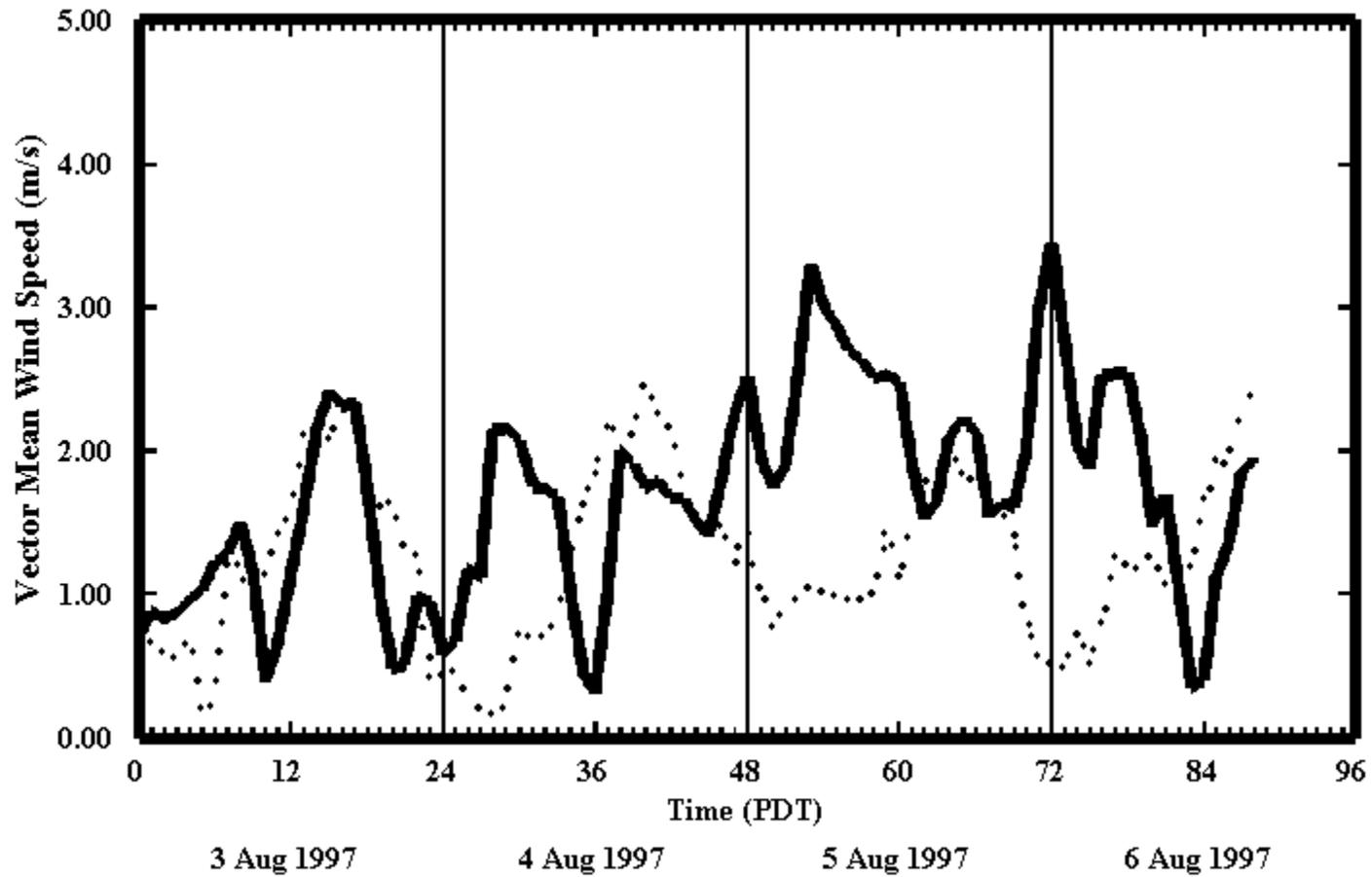


Figure 112. Vector mean wind speed (m/s) for the full domain for RUN5 -- uncorrected for heights. Solid line is the predicted vector mean wind speed, and dotted line is observed vector mean wind speed.

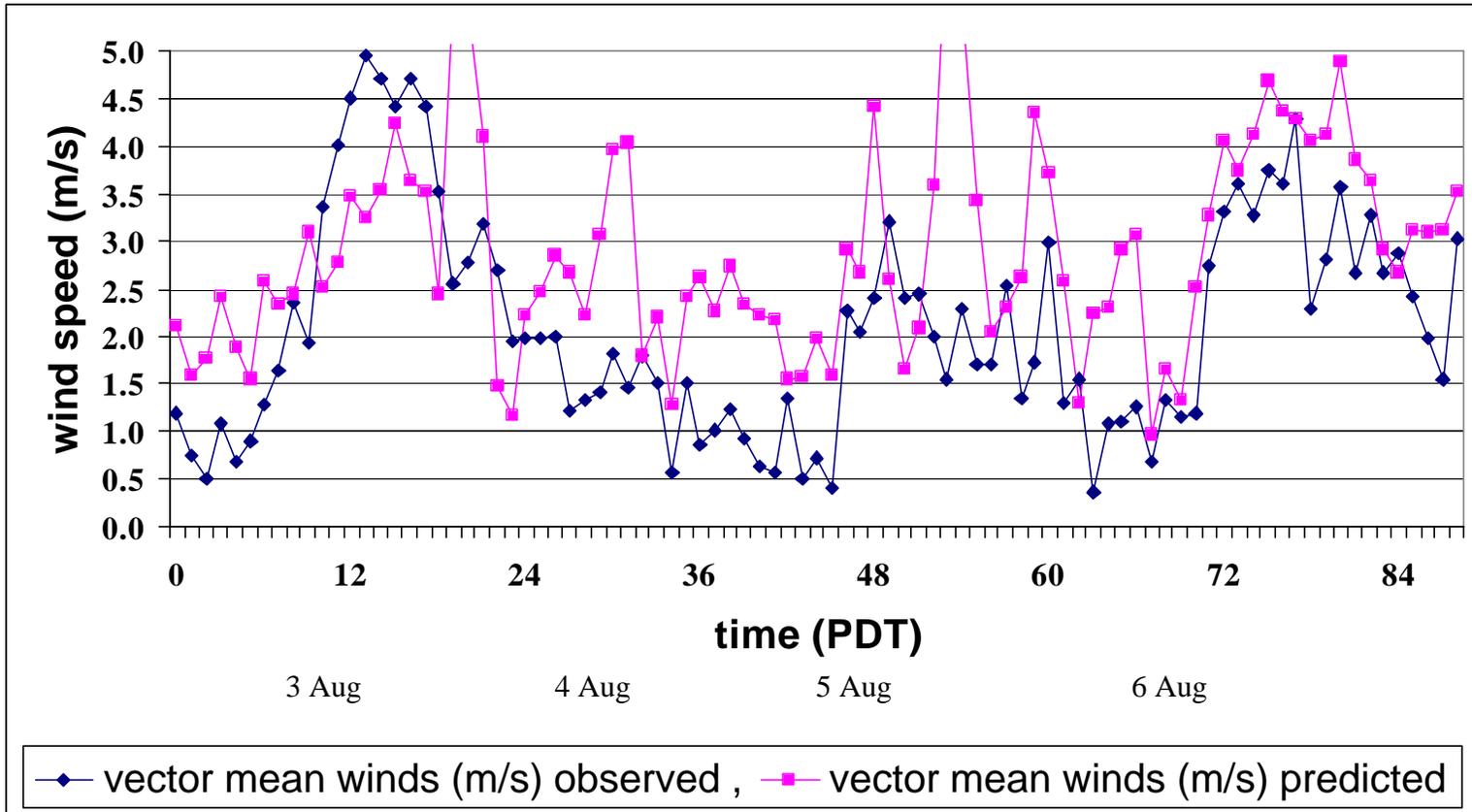


Figure 113a . Vector mean wind speed (m/s) for the Desert subdomain for RUN5 -- uncorrected for heights.

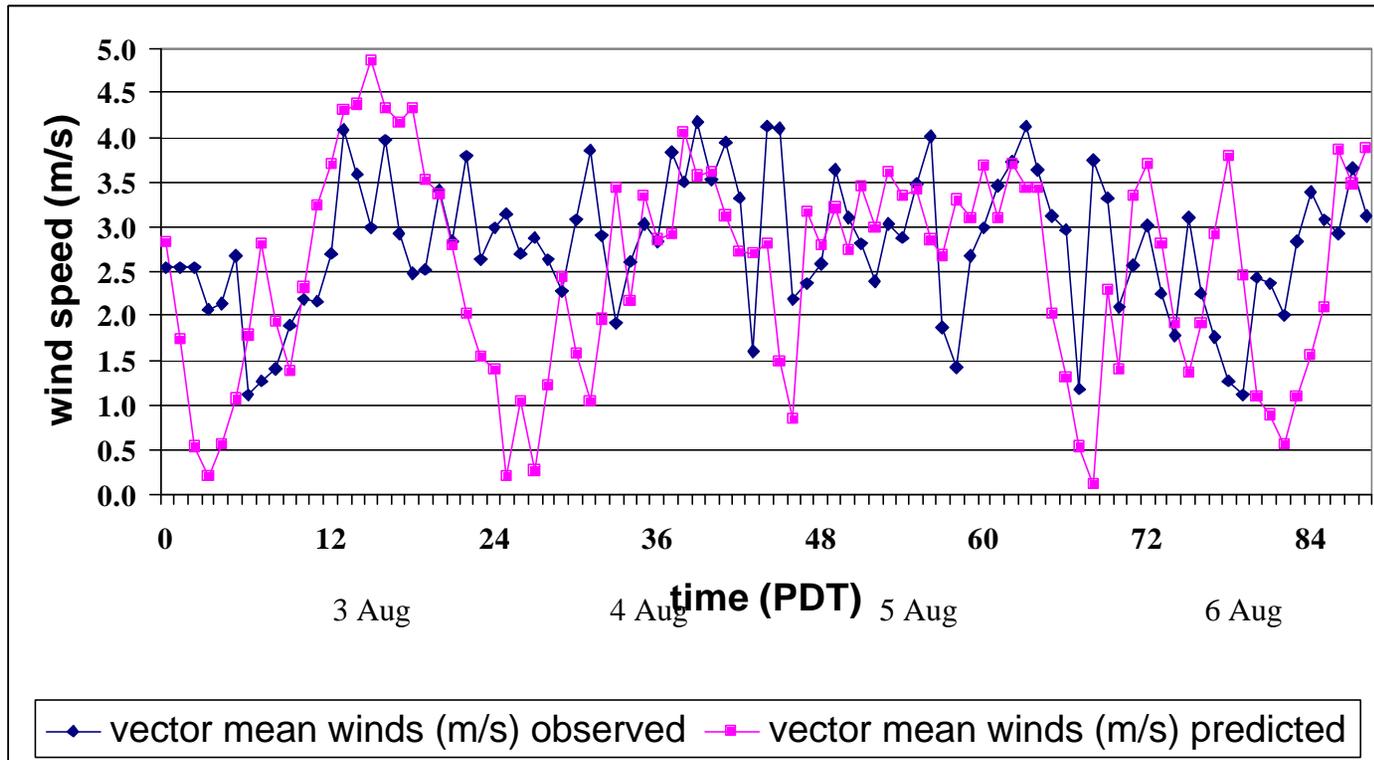


Figure 113b . Vector mean wind speed (m/s) for the Foothills subdomain for RUN5 -- uncorrected for heights.

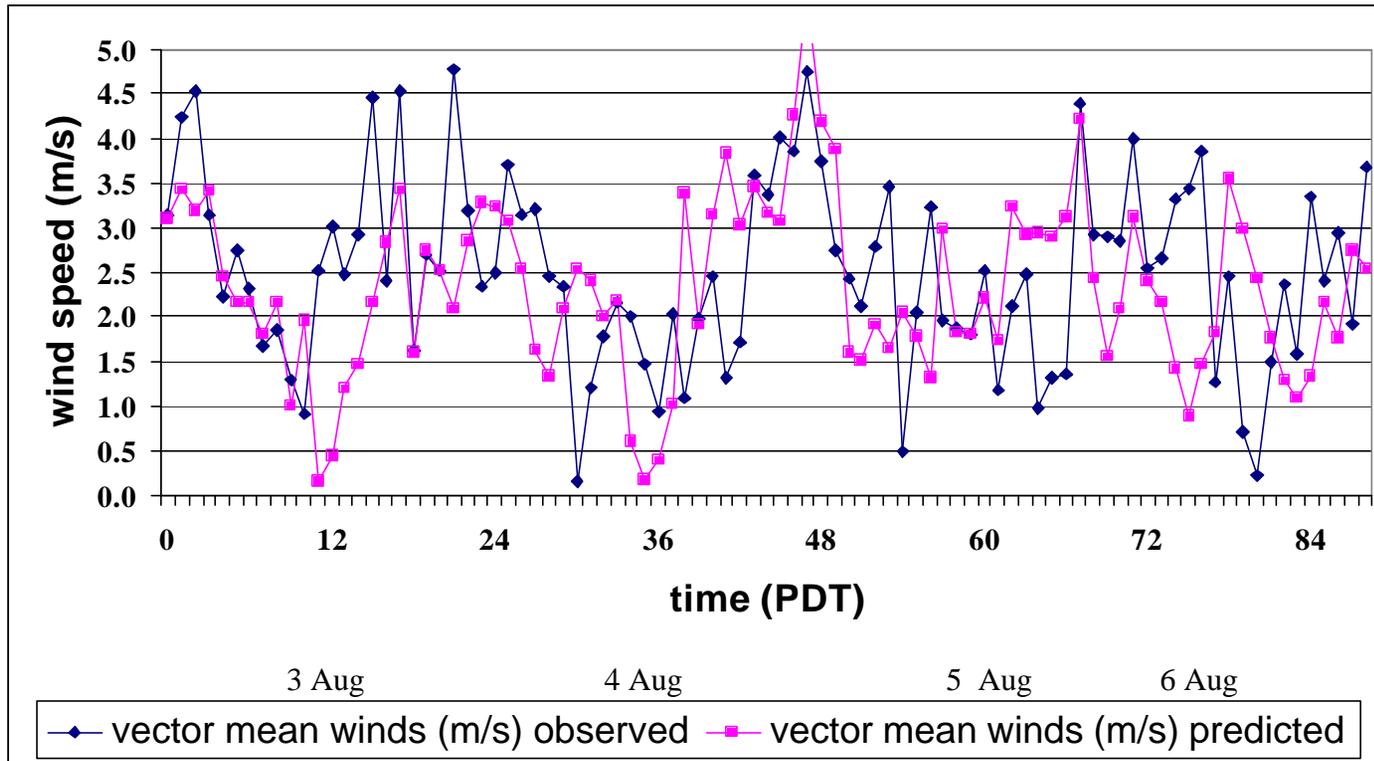


Figure 113c. Vector mean wind speed (m/s) for the Interior subdomain for RUN5 -- uncorrected for heights.

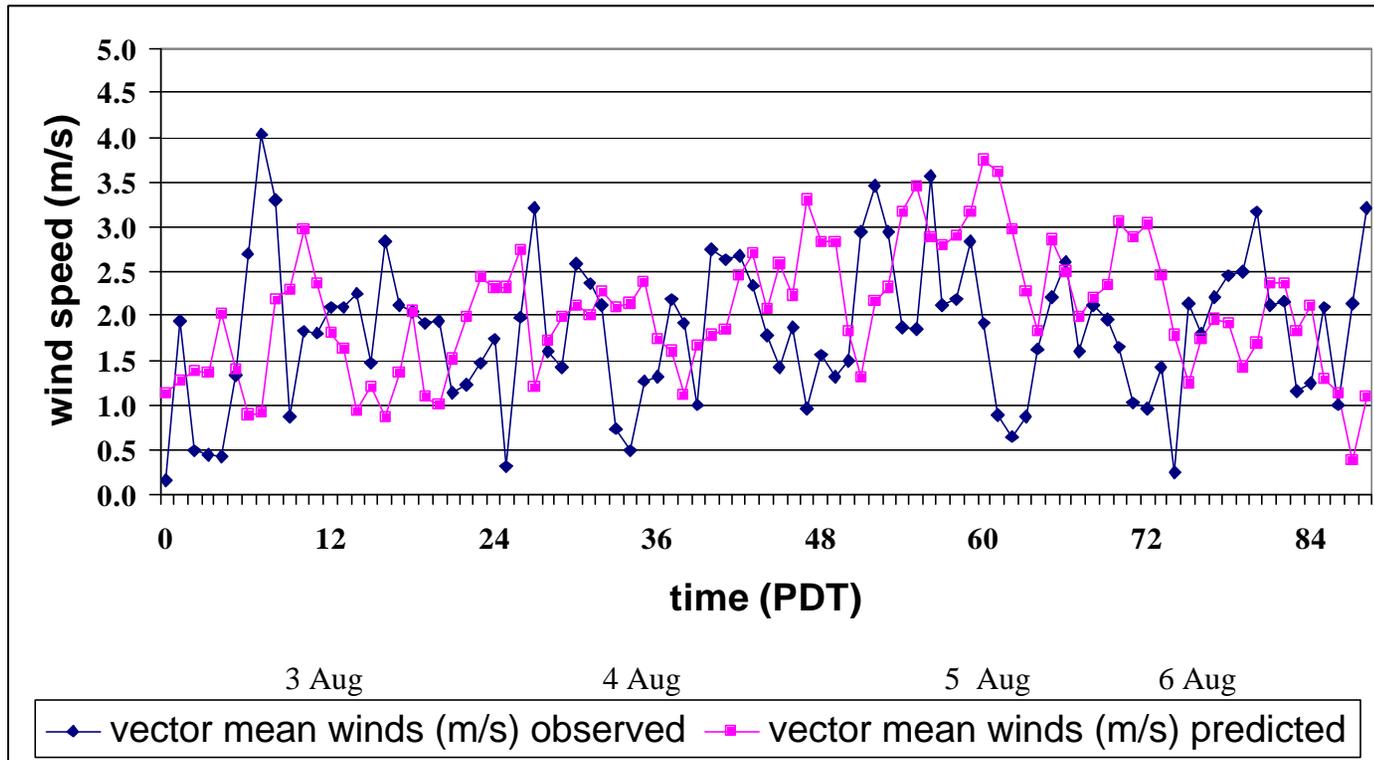


Figure 113d . Vector mean wind speed (m/s) for the Mountains subdomain for RUN5 -- uncorrected for heights

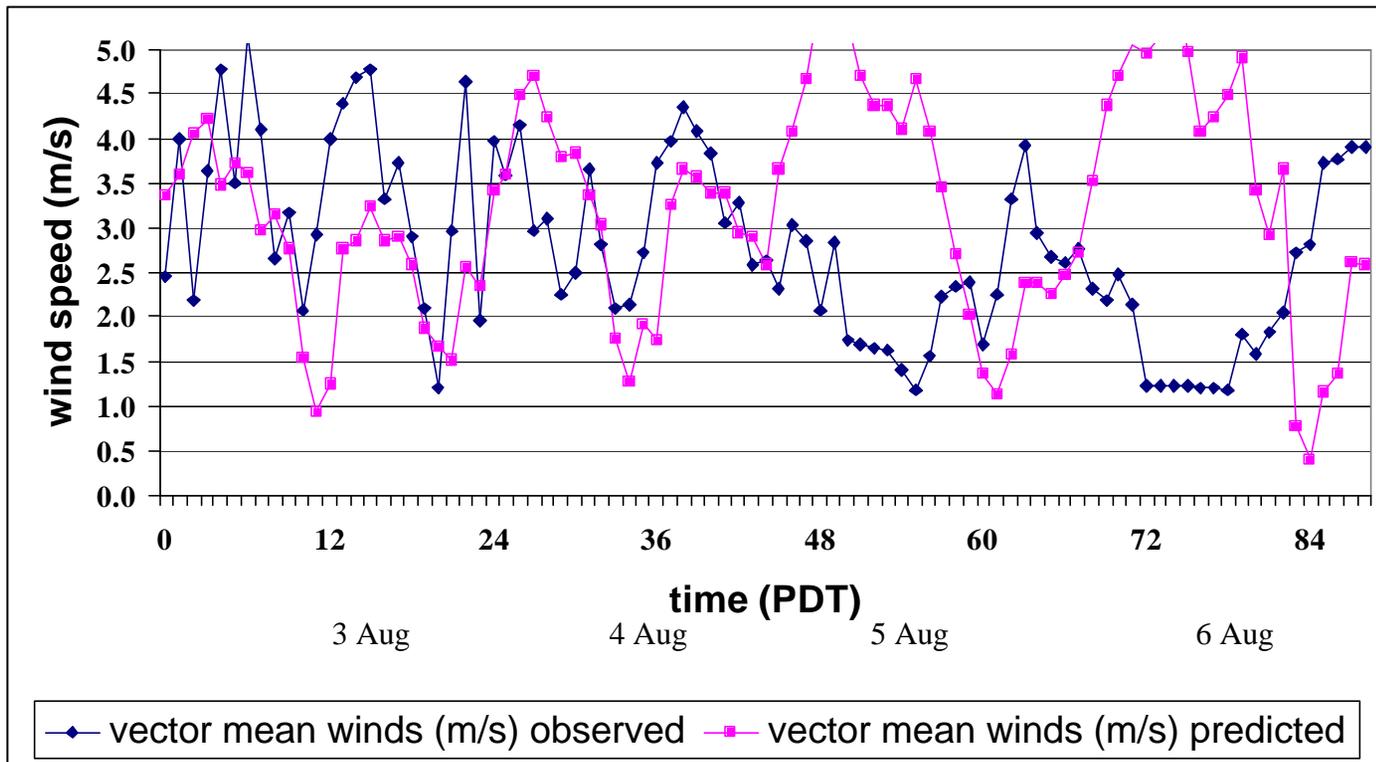


Figure 113e . Vector mean wind speed (m/s) for the South Central Coast subdomain for RUN5 – uncorrected for heights.

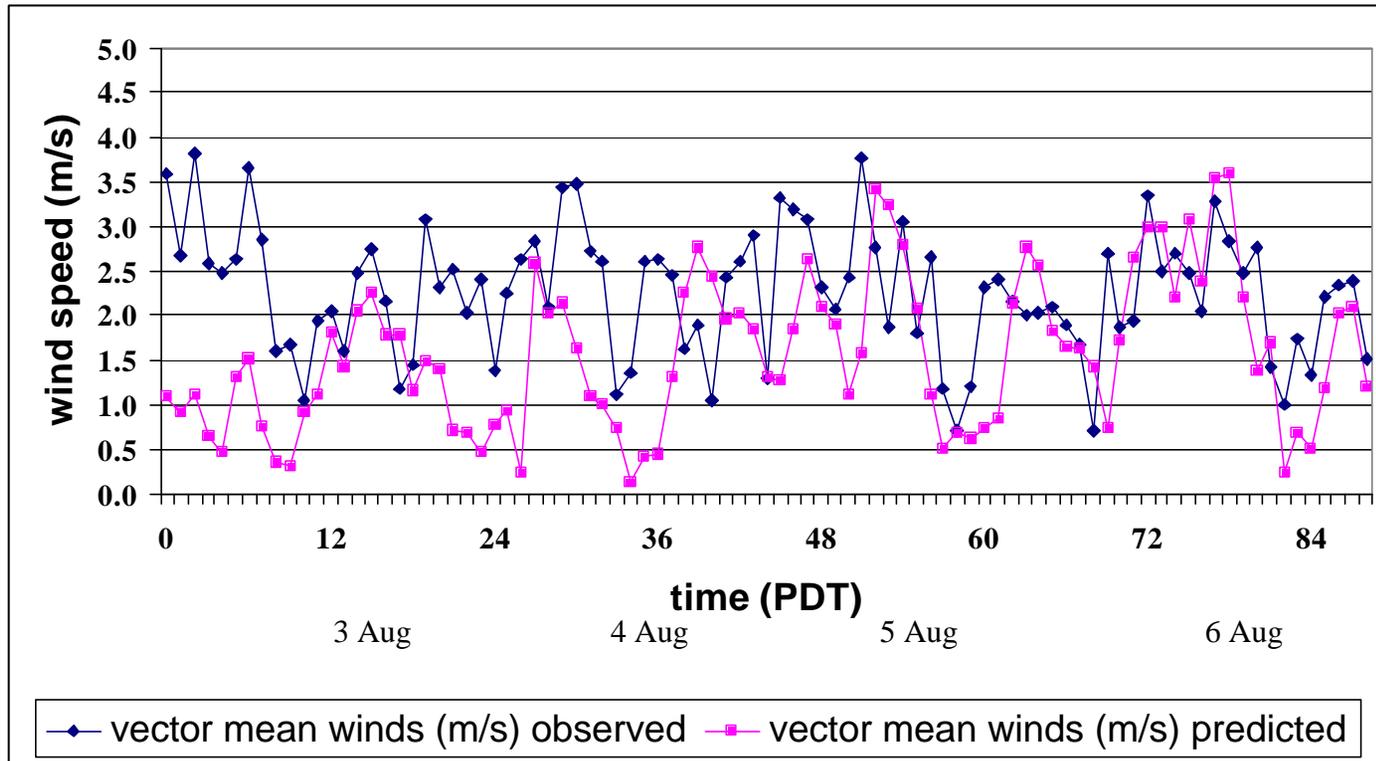


Figure 113f. Vector mean wind speed (m/s) for the South Central Valley subdomain for RUN5 -- uncorrected for heights.

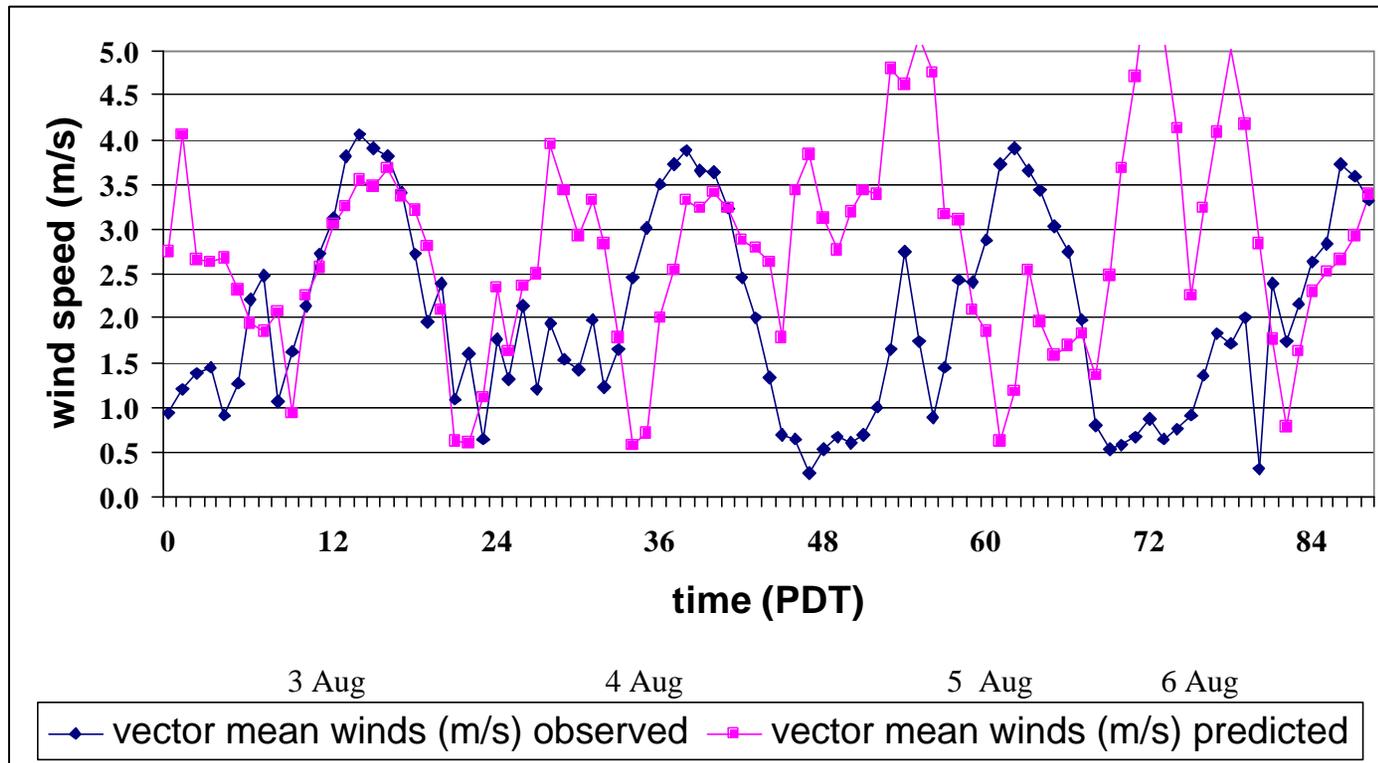


Figure 113g. Vector mean wind speed (m/s) for the South Coast subdomain for RUN5 -- uncorrected for heights.

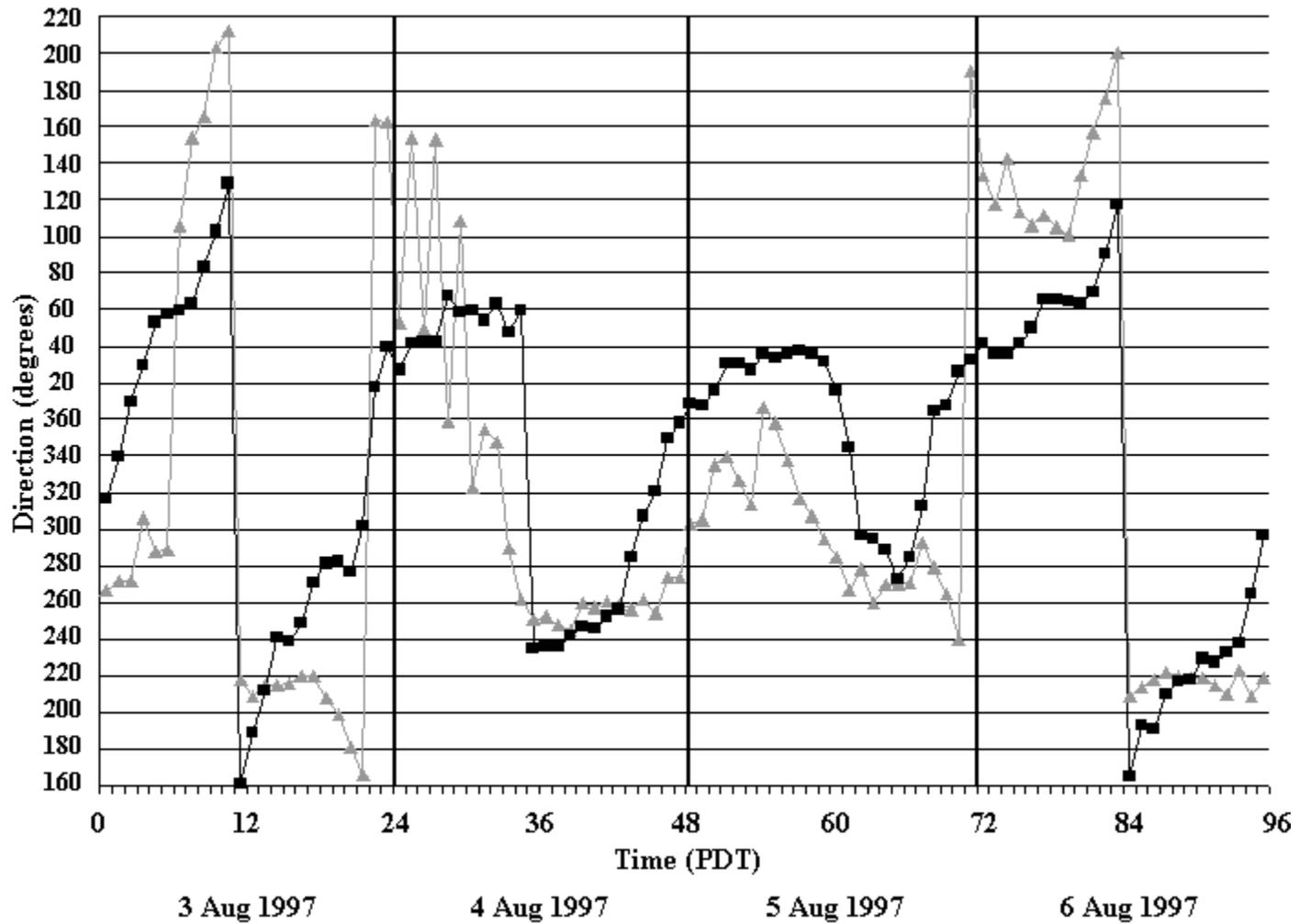


Figure 114. Average wind direction for full domain for RUN5. The black line with black squares is the predicted wind direction, and the gray line with gray triangles is the observed wind direction.

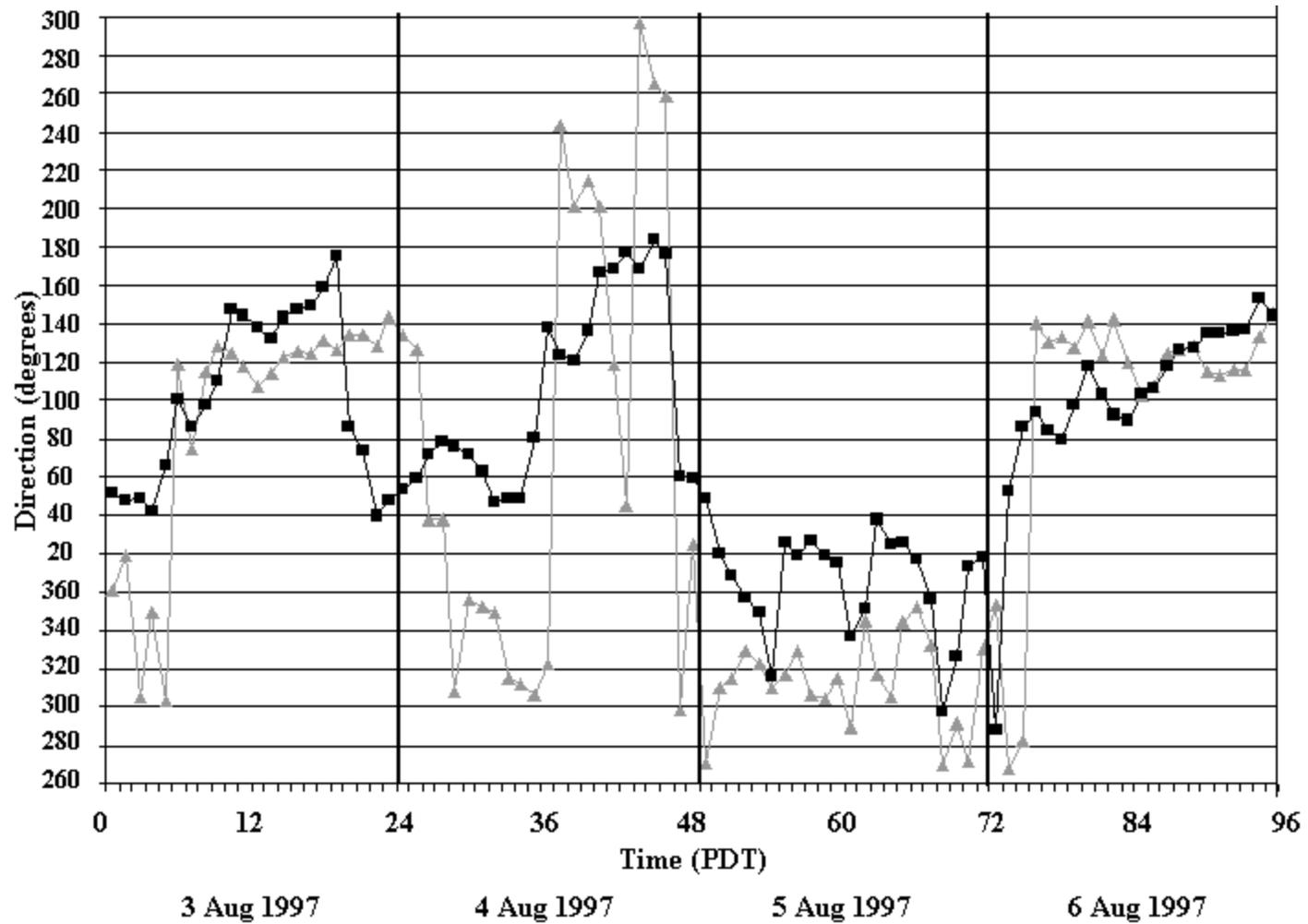


Figure 115a. Average wind direction for Desert subdomain for RUN5. The black line with black squares is the predicted wind direction, and the gray line with gray triangles is the observed wind direction.

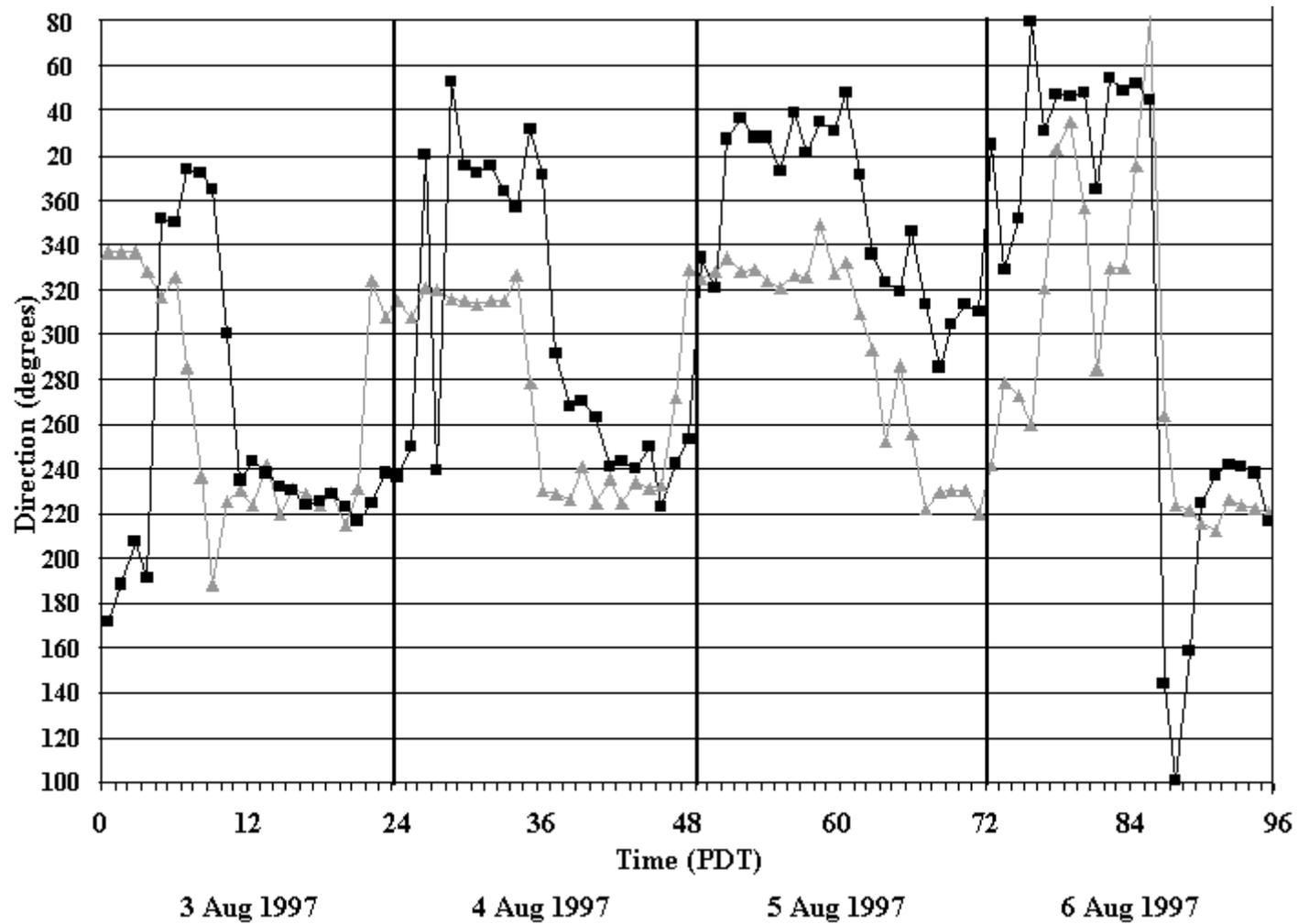


Figure 115b. Average wind direction for Foothills subdomain for RUN5. The black line with black squares is the predicted wind direction, and the gray line with gray triangles is the observed wind direction.

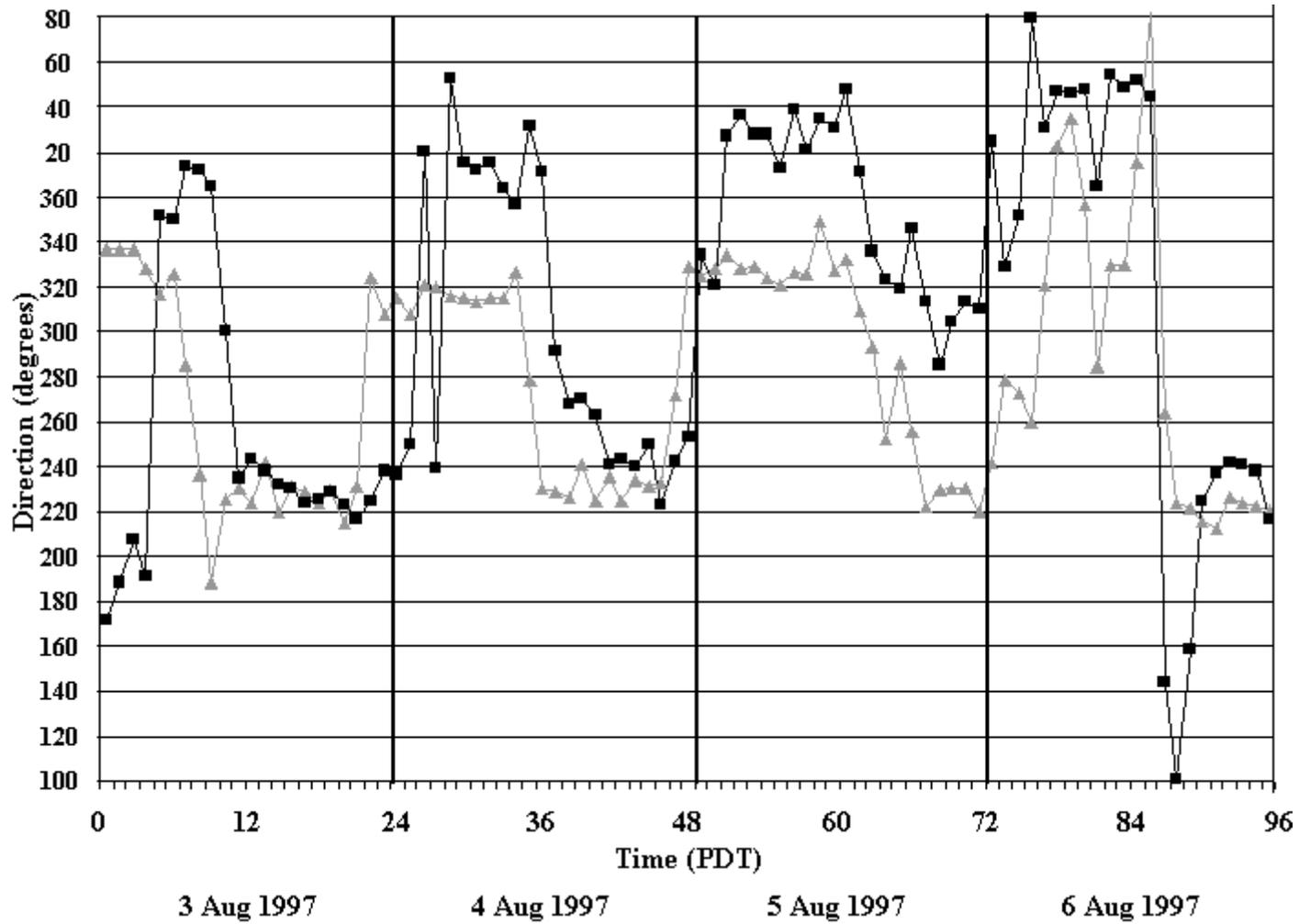


Figure 115c. Average wind direction for Interior subdomain for RUN5. The black line with black squares is the predicted wind direction, and the gray line with gray triangles is the observed wind direction.

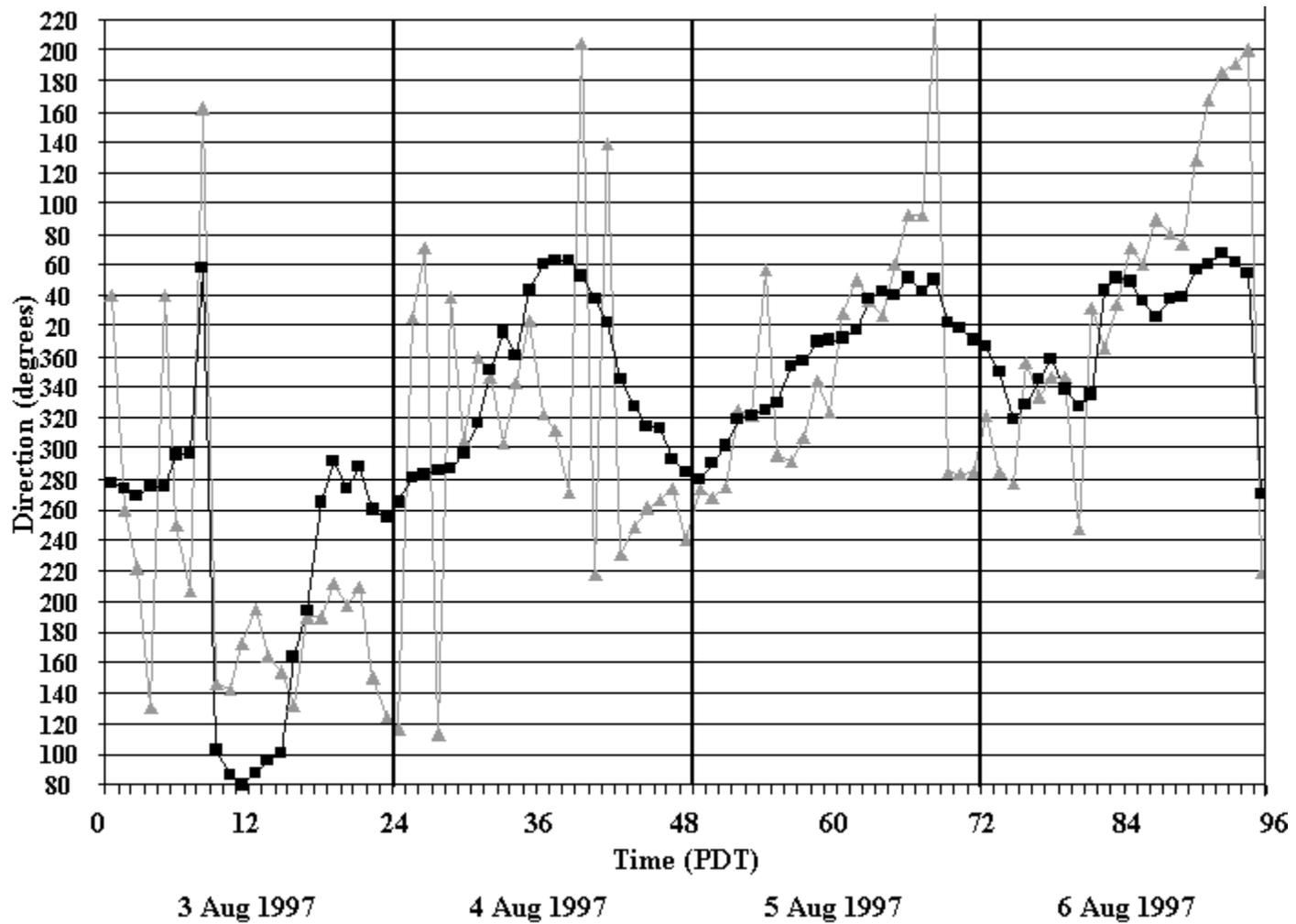


Figure 115d. Average wind direction for Mountains subdomain for RUN5. The black line with black squares is the predicted wind direction, and the gray line with gray triangles is the observed wind direction.

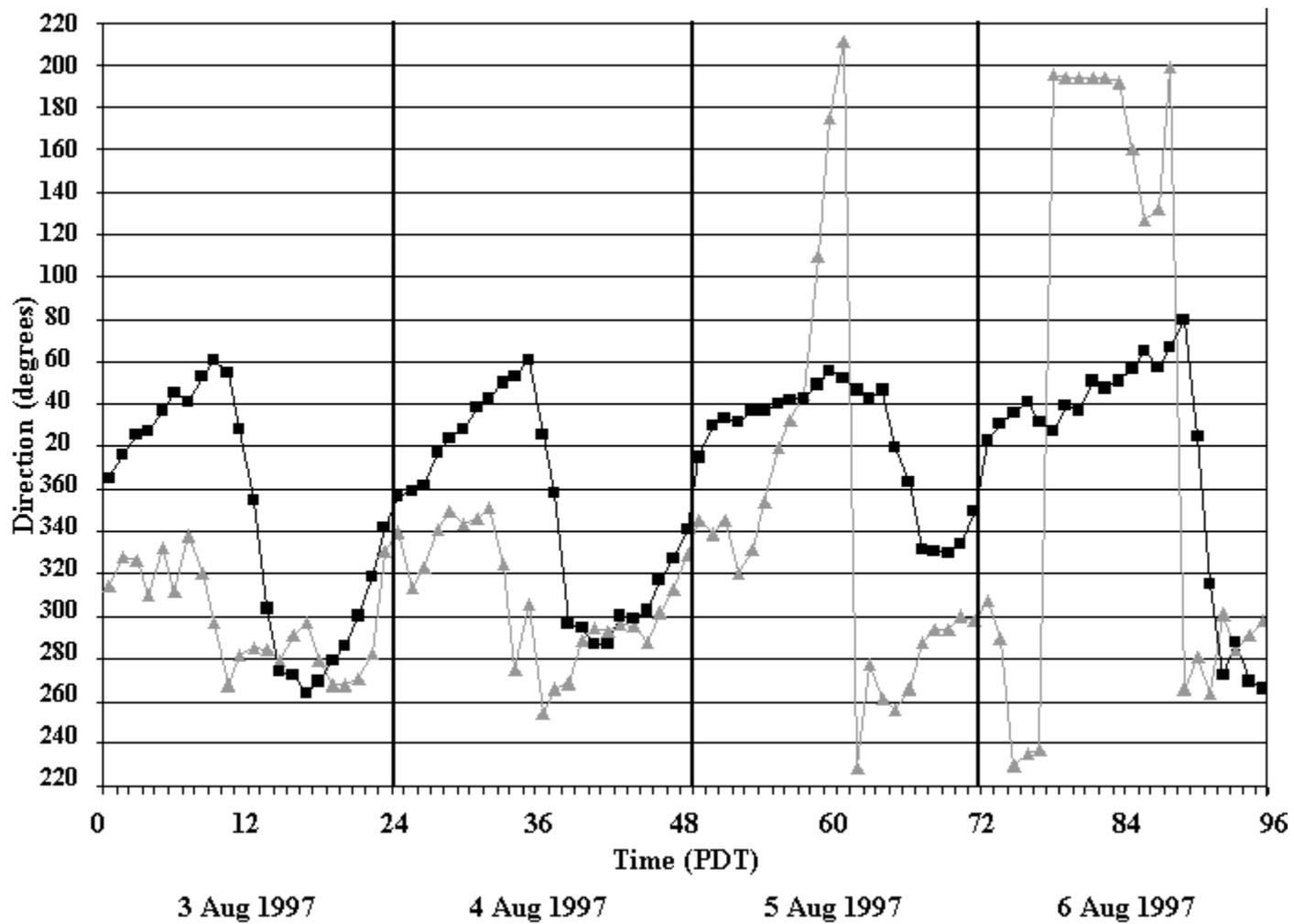


Figure 115e. Average wind direction for South Central Coast subdomain for RUN5. The black line with black squares is the predicted wind direction, and the gray line with gray triangles is the observed wind direction.

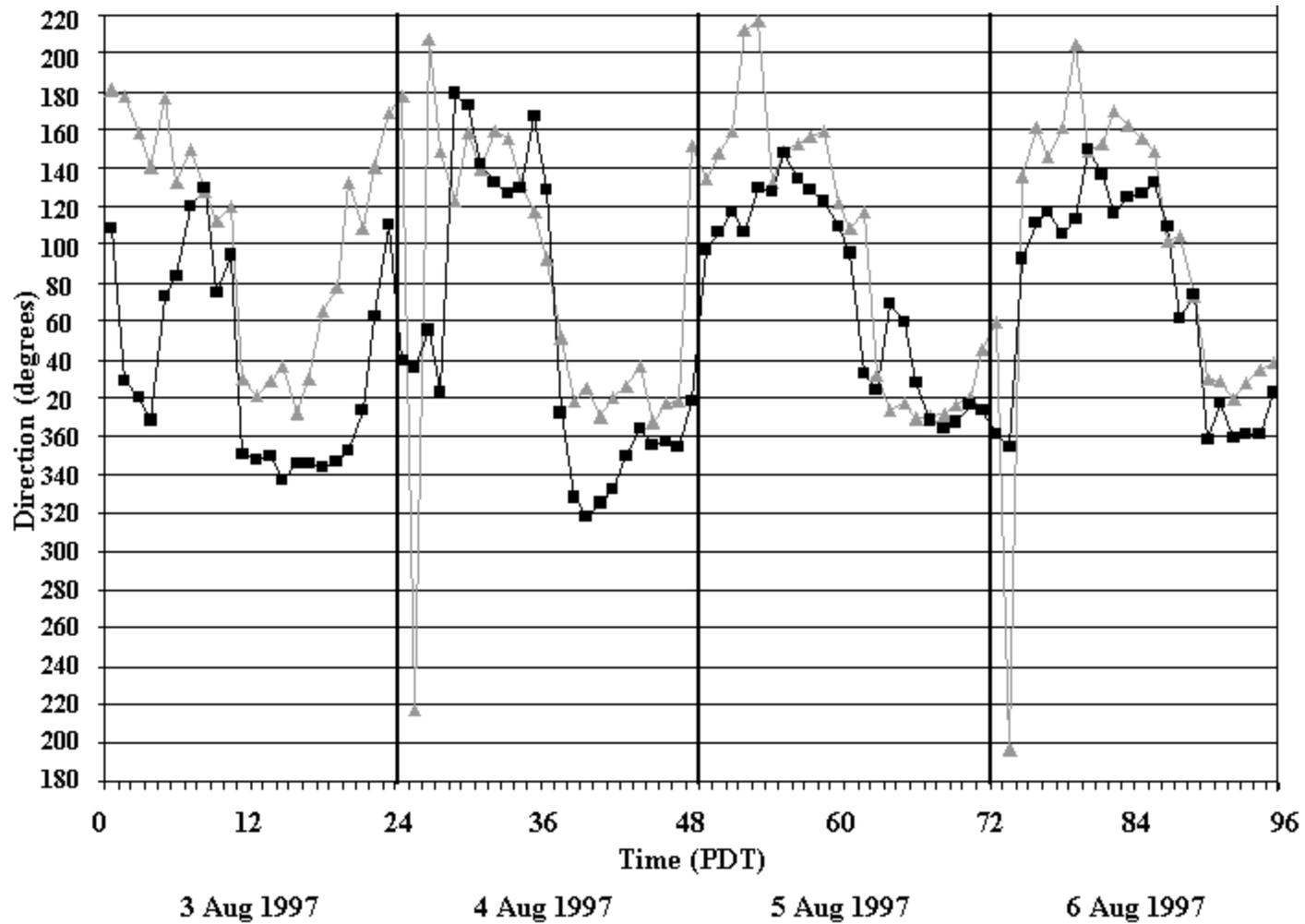


Figure 115f. Average wind direction for South Central Valley subdomain for RUN5. The black line with black squares is the predicted wind direction, and the gray line with gray triangles is the observed wind direction.

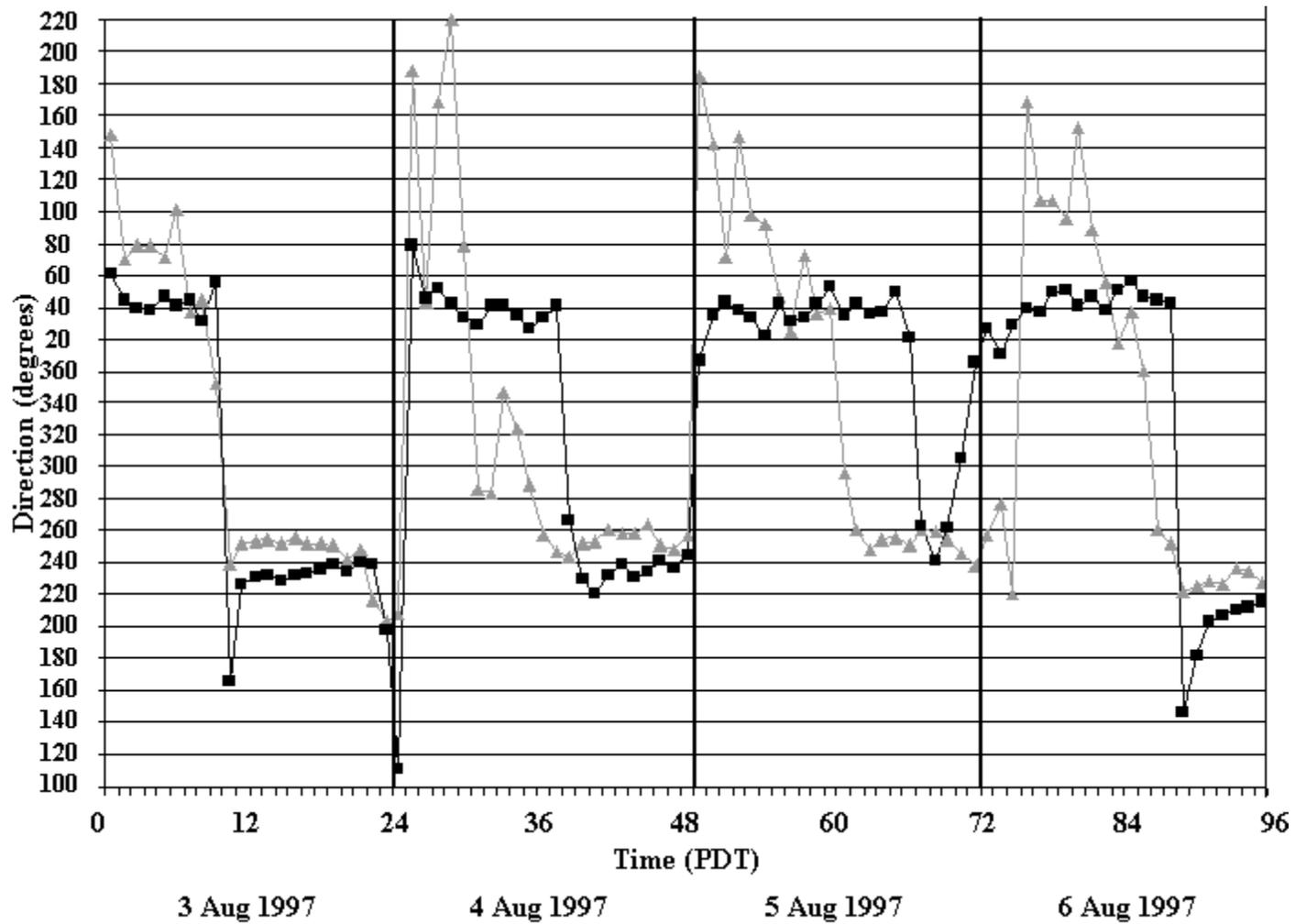


Figure 115g. Average wind direction for South Coast subdomain for RUN5. The black line with black squares is the predicted wind direction, and the gray line with gray triangles is the observed wind direction.

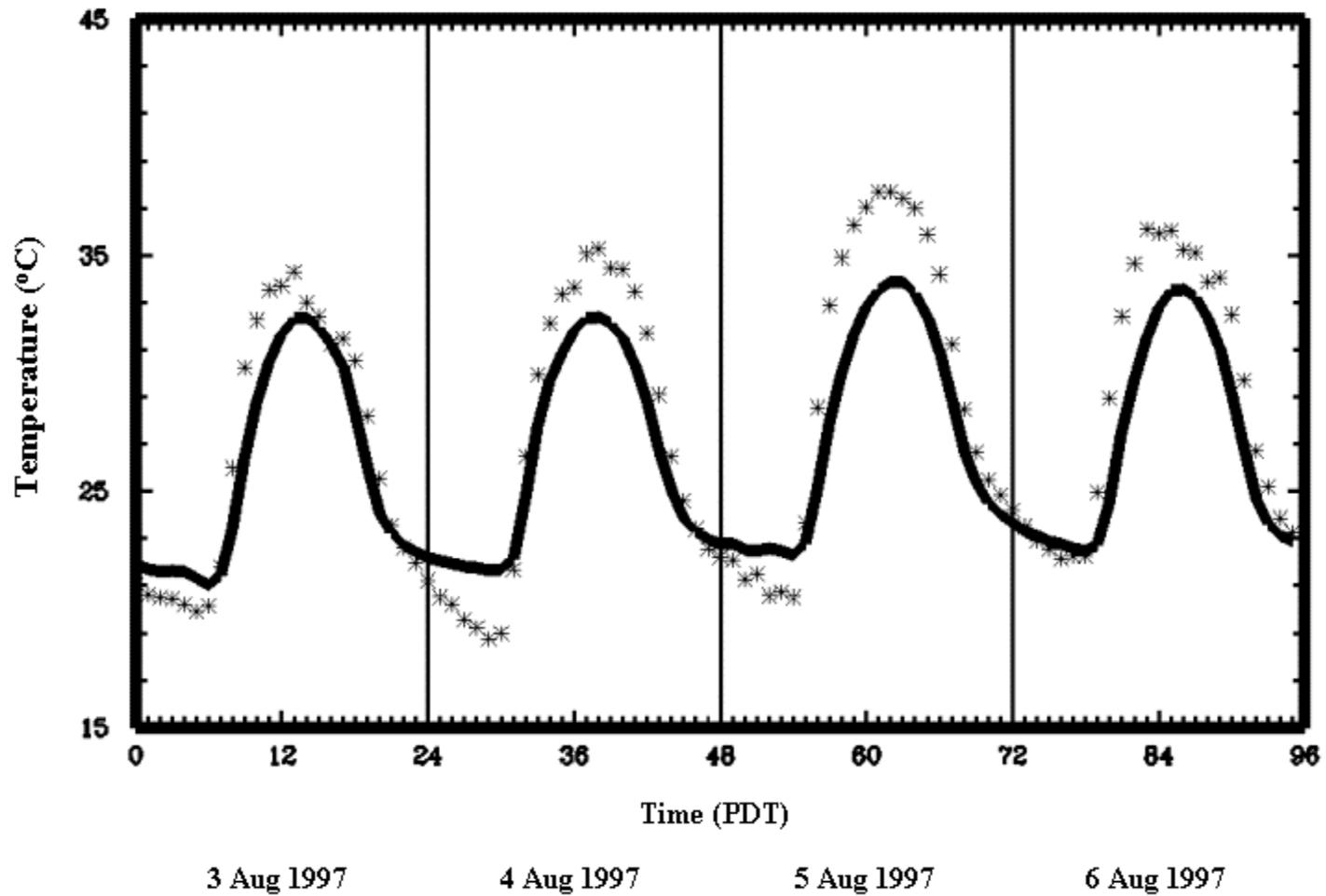


Figure 116. Spatial mean temperature (°C) at two meters above the ground for the Mountains subdomain for RUN6. Solid line represents the predicted temperature, and the dotted line represents the observed temperatures.

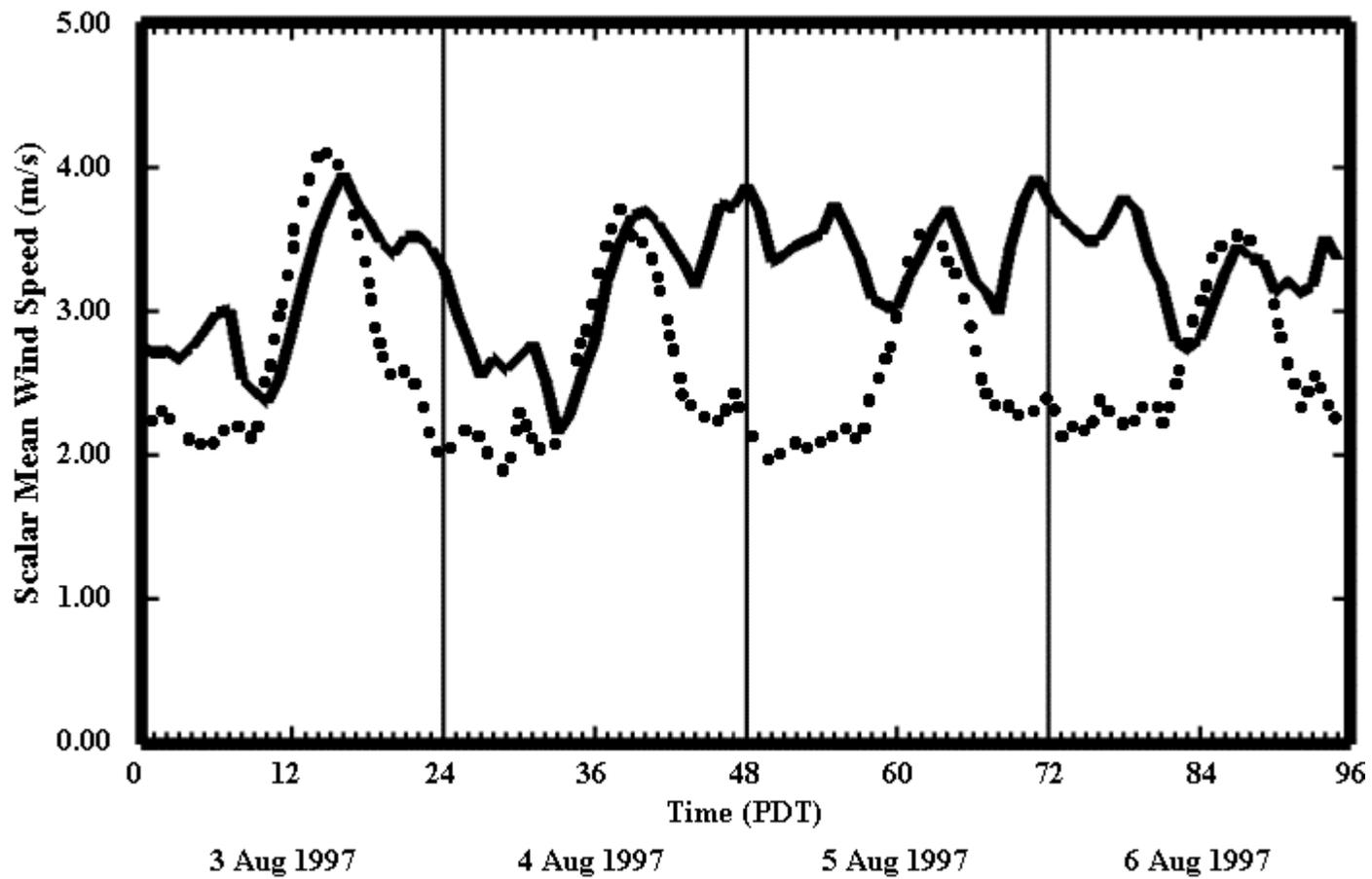


Figure 117 Scalar mean wind speed (m/s) for the full domain for RUN6 -- uncorrected for heights. Solid line is the predicted scalar mean wind speed, and dotted line is observed scalar mean wind.

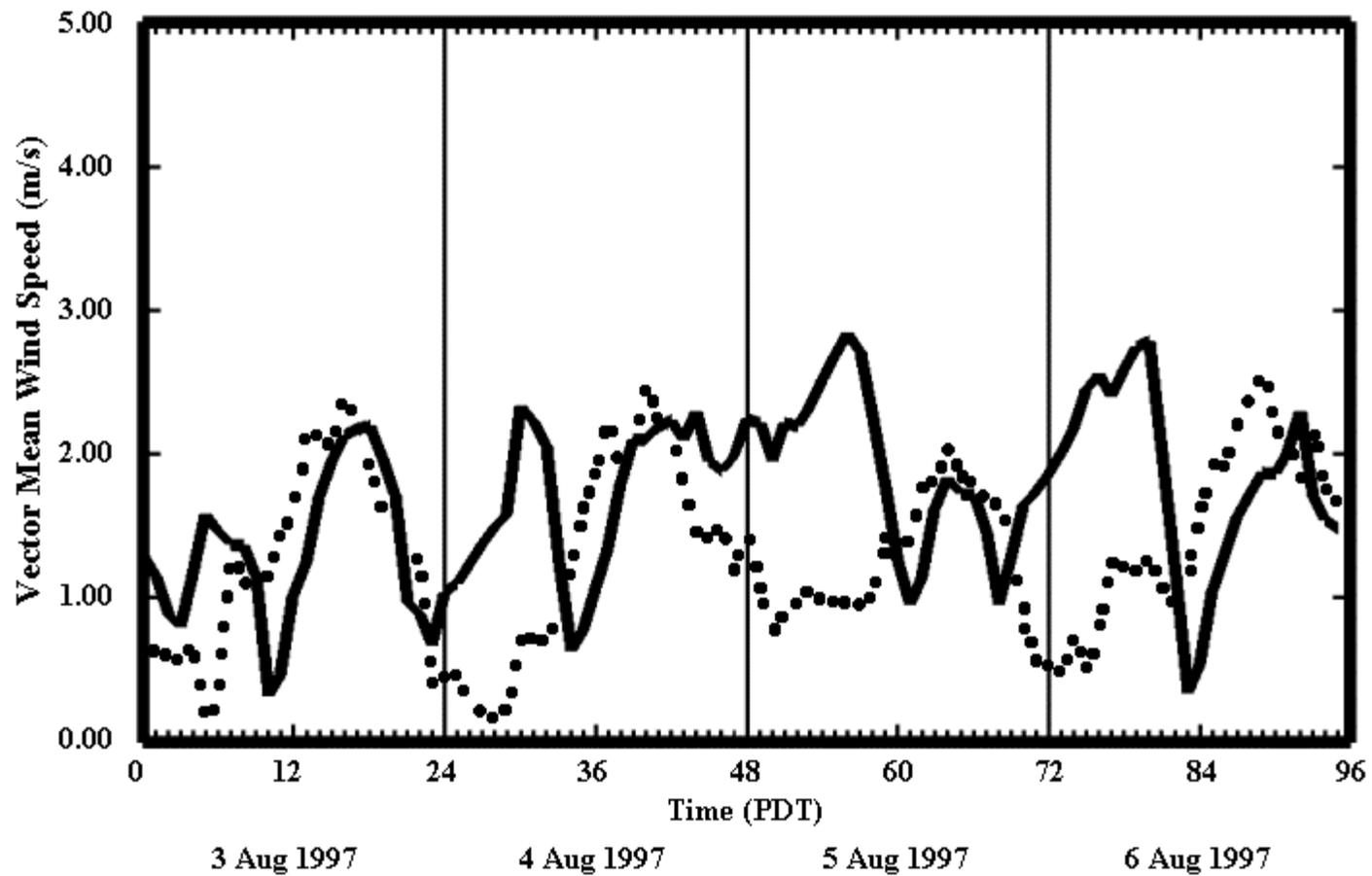


Figure 118. Vector mean wind speed (m/s) for the full domain for RUN6 -- uncorrected for heights. Solid line is the predicted vector mean wind speed, and dotted line is observed vector mean wind speed.

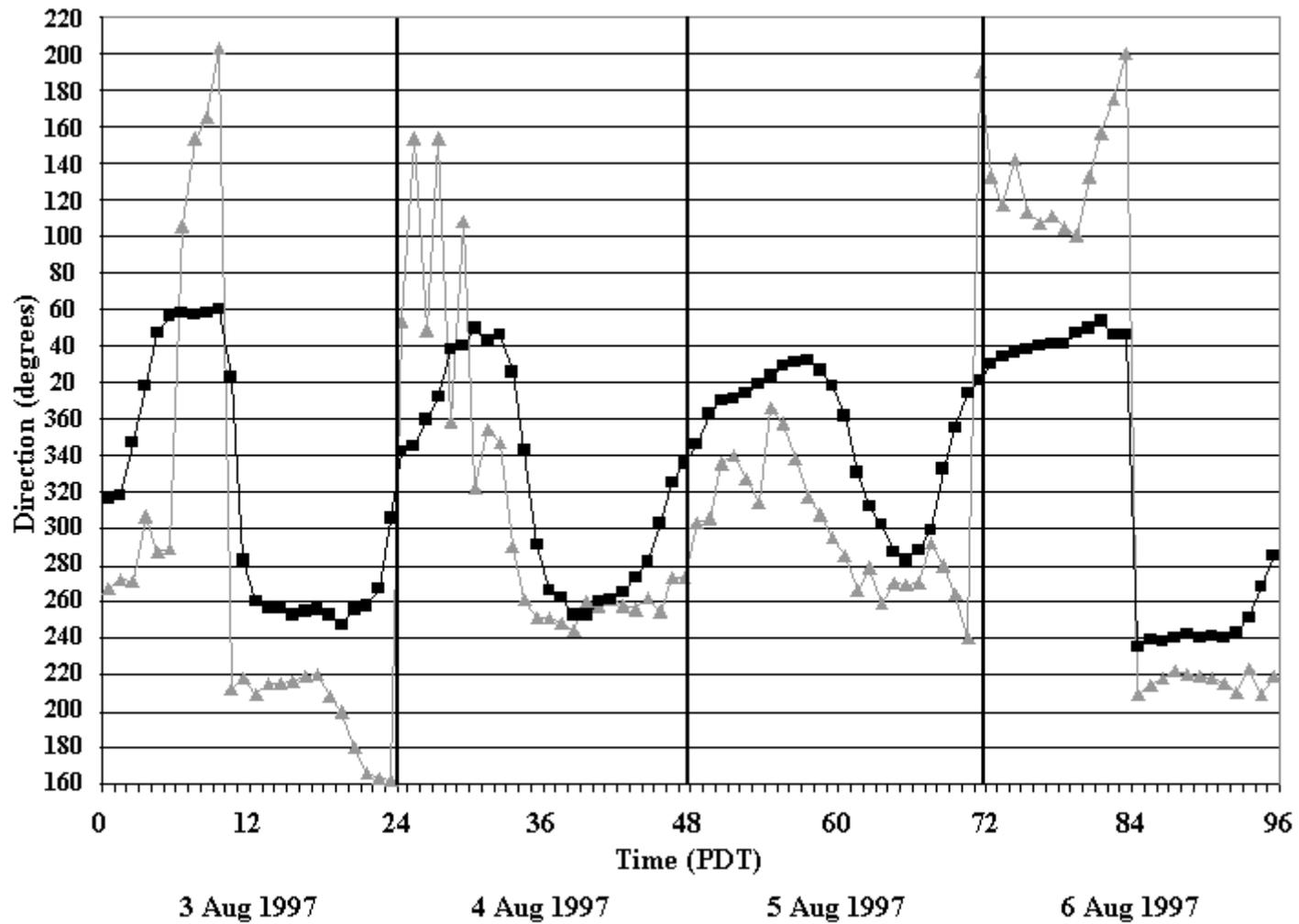


Figure 119. Average wind direction for full domain for RUN6. The black line with black squares is the predicted wind direction, and the gray line with gray triangles is the observed wind direction.

