APPENDIX A. MAP DISPLAYS FOR CENTRAL CALIFORNIA

In this appendix, map displays are provided for individual ozone-episode days occurring in central California. The calculations were carried out using the NO\textsubscript{3} version of the SP algorithm (see Section 2). The expected bias in the calculated extent of reaction caused by the bias of the "NO\textsubscript{3}" data is discussed in Section 5. The bias is negligible for extent less than 0.5. When the true extent approaches one, the displayed values overestimate the true extent by 0.1 to 0.2 units.

One or more typical ozone episodes are shown for each region. A common display format is used for all days. On each map, the extent of reaction is indicated for each daytime hour by the shading (see legends). Circle wedge sizes are proportional to the hourly ozone concentrations and the hour of the ozone peak is marked according to the positions on a conventional clock (see legends). In some cases, one or more overlapping sites have been displaced from their actual locations. A line has been drawn from the displaced to actual positions.
EQUATION: Revised, NOy Version (α = 0.667, β = 19,000, O3(0) = 40,000, no NOy correction)

PEAK OZONE:

- 50 ppb
- 100 ppb
- 150 ppb
- 200 ppb
- 250 ppb

EXTENT
- Insufficient Data
- .0 - .50
- .51 - .80
- .81 - .95
- .96 - 1.0

SHADING
- Blank
- White
- Light Gray
- Medium Gray
- Black

SCALE
22.4479 km
SAN FRANCISCO BAY AREA
25 Jun 1995

EQUATION: Revised, NOy Version (alpha = 0.667, beta = 19,000, O3(x) = 40,000, no NOy correction)

PEAK OZONE:

50 ppb  100 ppb  150 ppb  200 ppb  250 ppb

EXTENT
Insufficient Data
.0 - .50
.51 - .80
.81 - .95
.96 - 1.0

SHADING
Blank
White
Light Gray
Medium Gray
Black

noon
3pm
9am
7am
6pm
time of peak ozone
EQUATION: Revised, NOy Version (alpha = 0.667, beta = 19,000, O3(0) = 40,000, no NOy correction)

PEAK OZONE:

60 ppb  100 ppb  150 ppb  200 ppb  250 ppb

9am  noon  3pm  6pm

EXTENT
Insufficient Data
0 - .50
.51 - .80
.81 - .95
.96 - 1.0

SHADING
Blank
White
Light Gray
Medium Gray
Black
SAN FRANCISCO BAY AREA
09 Aug 1996

EQUATION: Revised, NOy Version (alpha = 0.667, beta = 19,000, O3(0) = 40,000, no NOy correction)

PEAK OZONE:

- 50 ppb
- 100 ppb
- 150 ppb
- 200 ppb
- 250 ppb

9am 3pm noon
7am time of peak ozone

EXTENT
Insufficient Data
.0 - .50
.51 - .80
.81 - .95
.96 - 1.0

SHADING
Blank
White
Light Gray
Medium Gray
Black
EQUATION: Revised, NOy Version ( alpha = 0.667, beta = 19,000, O3(0) = 40,000, no NOy correction)

PEAK OZONE:

- 50 ppb
- 100 ppb
- 150 ppb
- 200 ppb
- 250 ppb

EXTENT
- Insufficient Data
- .0 - .50
- .51 - .80
- .81 - .95
- .96 - 1.0

SHADING
- Blank
- White
- Light Gray
- Medium Gray
- Black
SAN FRANCISCO BAY AREA
03 Sep 1998

EQUATION: Revised, NOy Version (alpha = 0.667, beta = 19,000, O3(0) = 40,000, no NOy correction)

PEAK OZONE:

50 ppb
100 ppb
150 ppb
200 ppb
250 ppb

EXTENT
Insufficient Data
.0 - .50
.51 - .80
.81 - .95
.96 - 1.0

SHADING
Blank
White
Light Gray
Medium Gray
Black

SCALE
22.4479 km

noon
9am
7am
6pm
3pm
time of peak ozone
EQUATION: Revised, NOy Version (alpha= 0.667, beta= 19.000, O3(0)= 40.000, no NOy correction)

PEAK OZONE:

- 60 ppb
- 100 ppb
- 150 ppb
- 200 ppb
- 250 ppb

EXTENT
- Insufficient Data
- Blank
- .0 - .50
- White
- .51 - .80
- Light Gray
- .81 - .95
- Medium Gray
- .96 - 1.0
- Black

SHADING

noon
9am 3pm 6pm
time of peak ozone

SCALE
58.5538 km
EQUATION: Revised, NOy Version (alpha = 0.667, beta = 19,000, O3() = 40,000, no NOy correction)

PEAK OZONE:

60 ppb
100 ppb
150 ppb
200 ppb
250 ppb

EXTENT
Insufficient Data
0 - .50
.51 - .80
.81 - .95
.96 - 1.0

SHADING
Blank
White
Light Gray
Medium Gray
Black

noon
9am
3pm
6pm
7am

time of peak ozone
EQUATION: Revised, NOy Version (alpha = 0.667, beta = 19.000, O3(0) = 40.000, no NOy correction)

PEAK OZONE:

- 50 ppb
- 100 ppb
- 150 ppb
- 200 ppb
- 250 ppb

EXTENT
Insufficient Data Blank
0 - 0.50 White
0.51 - 0.80 Light Gray
0.81 - 0.95 Medium Gray
0.96 - 1.0 Black

SHADING

TIME
9am noon 3pm
7am 6pm time of peak ozone
EQUATION: Revised, NOy Version (alpha= 0.667, beta= 19.000, O3(0)= 40.000, no NOy correction)

PEAK OZONE:

EXTENT
Insufficient Data
.0 - .50
.51 - .80
.81 - .95
.96 - 1.0

SHADING
Blank
White
Light Gray
Medium Gray
Black

SCALE
58.5538 km