

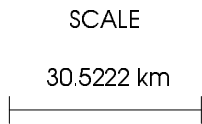
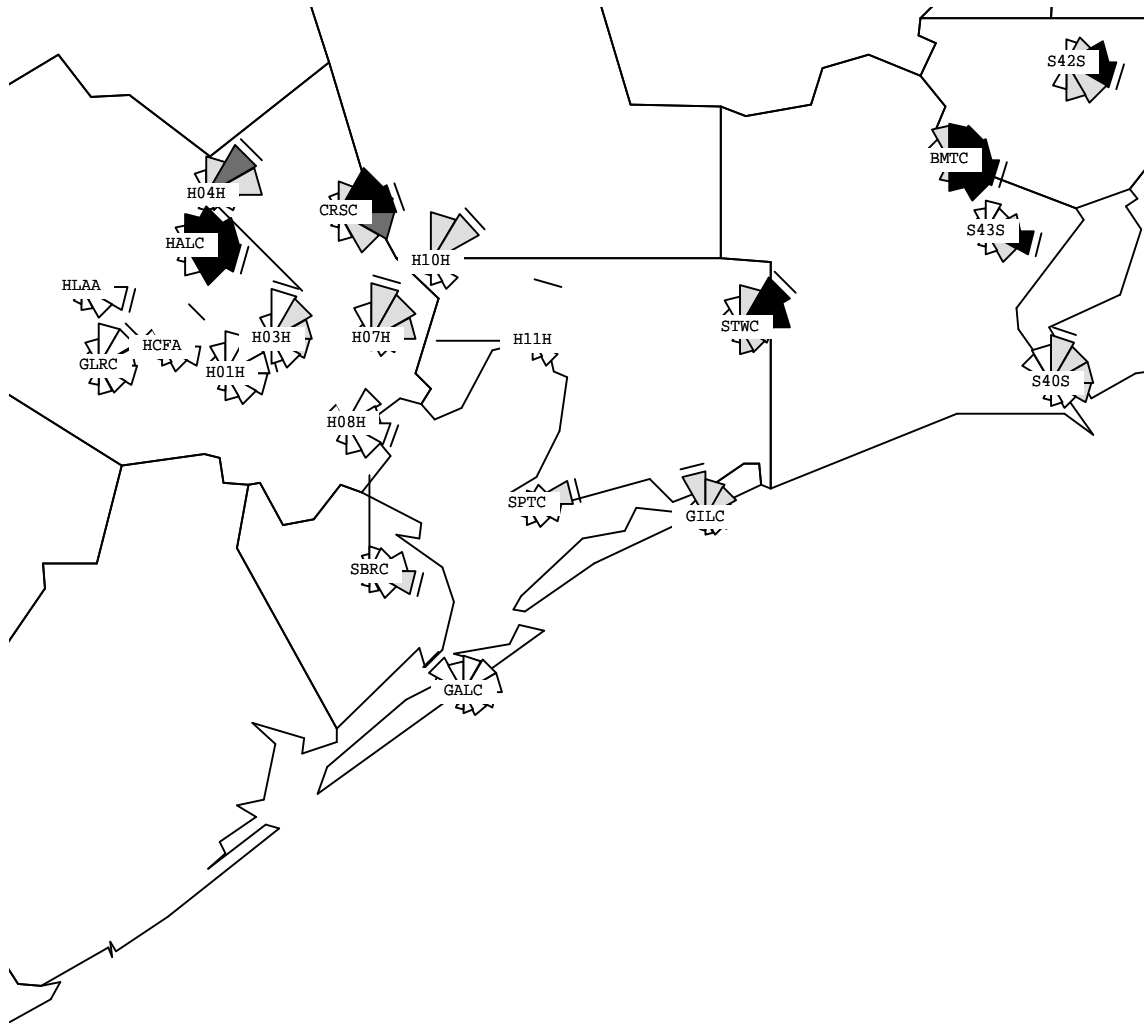
## APPENDIX C. MAP DISPLAYS FOR TEXAS

In this appendix, map displays are provided for individual ozone-episode days occurring in Texas. The calculations were carried out using the  $\text{NO}_y$  version of the SP algorithm (see Section 2). The expected bias in the calculated extent of reaction caused by the bias of the " $\text{NO}_x$ " 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.

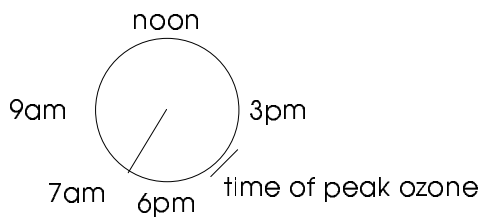
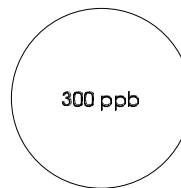
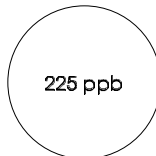
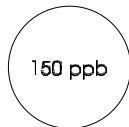
# COAST

18 Aug 1993



EQUATION: Revised, NO<sub>y</sub> Version ( alpha= 0.667, beta= 19.000, O<sub>3</sub>(0)= 40.000, no NO<sub>y</sub> correction )

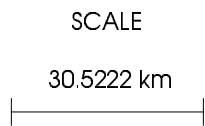
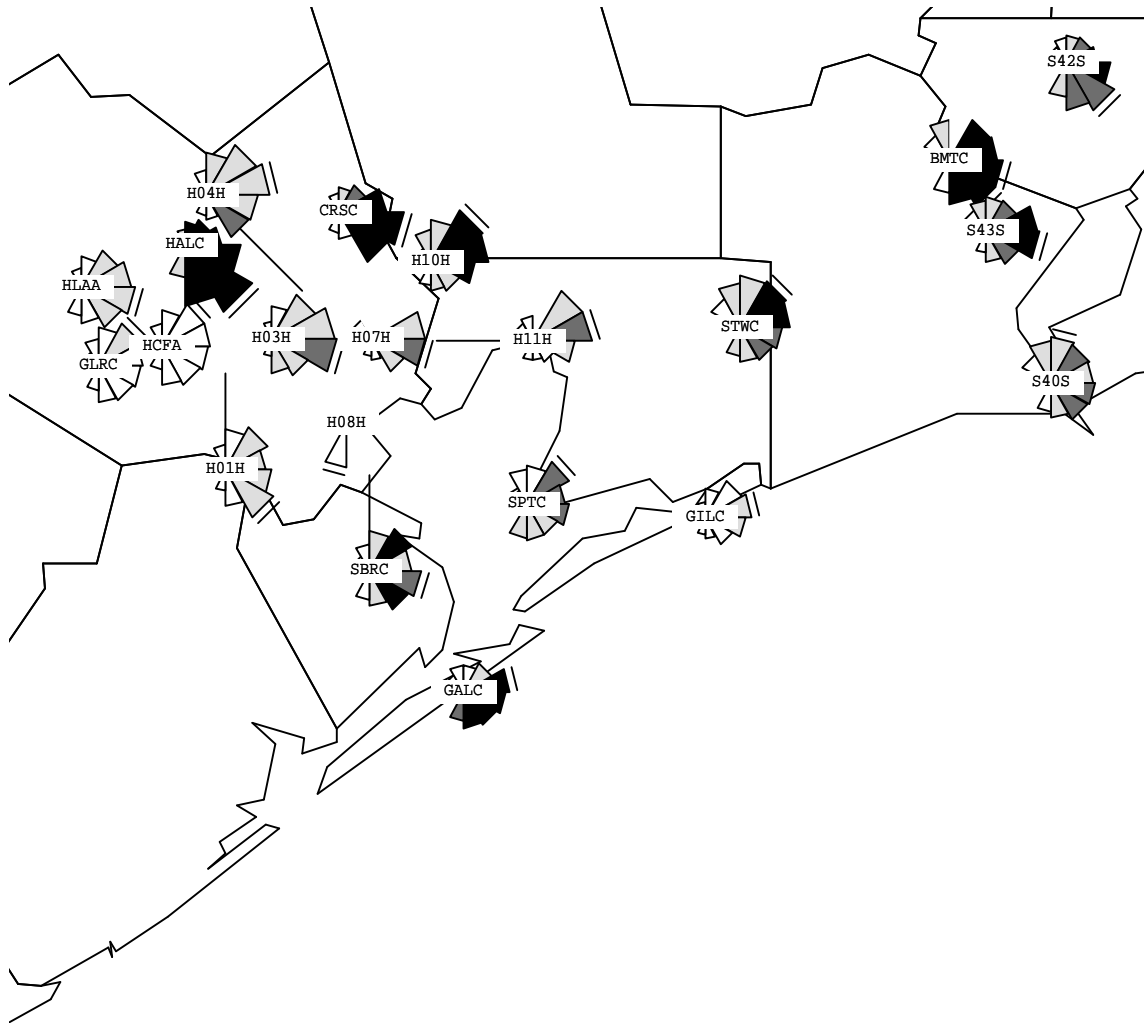
PEAK OZONE:



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

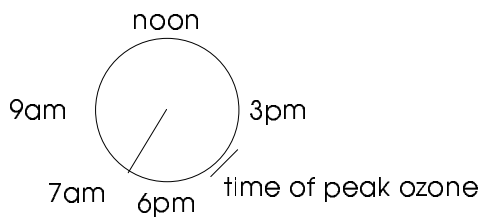
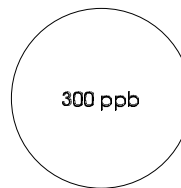
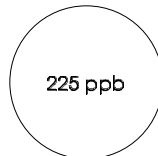
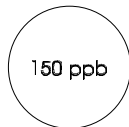
# COAST

19 Aug 1993



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

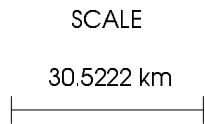
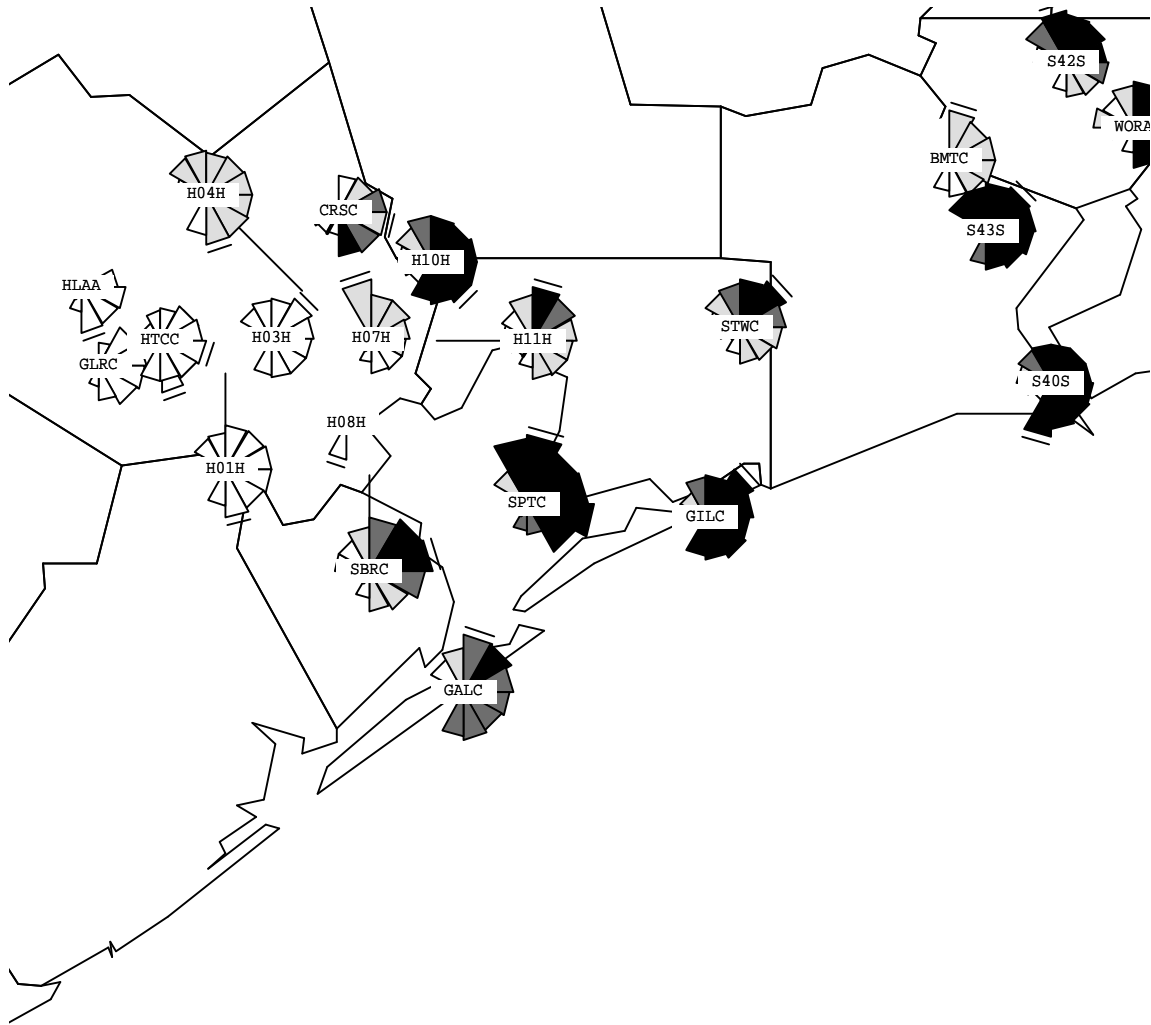
PEAK OZONE:



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

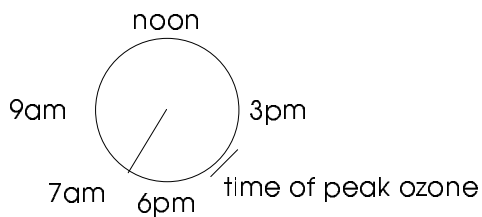
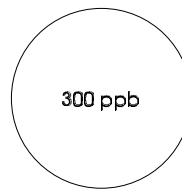
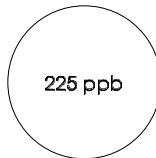
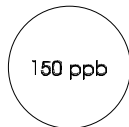
# COAST

09 Sep 1993



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

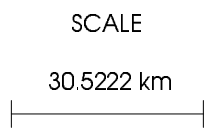
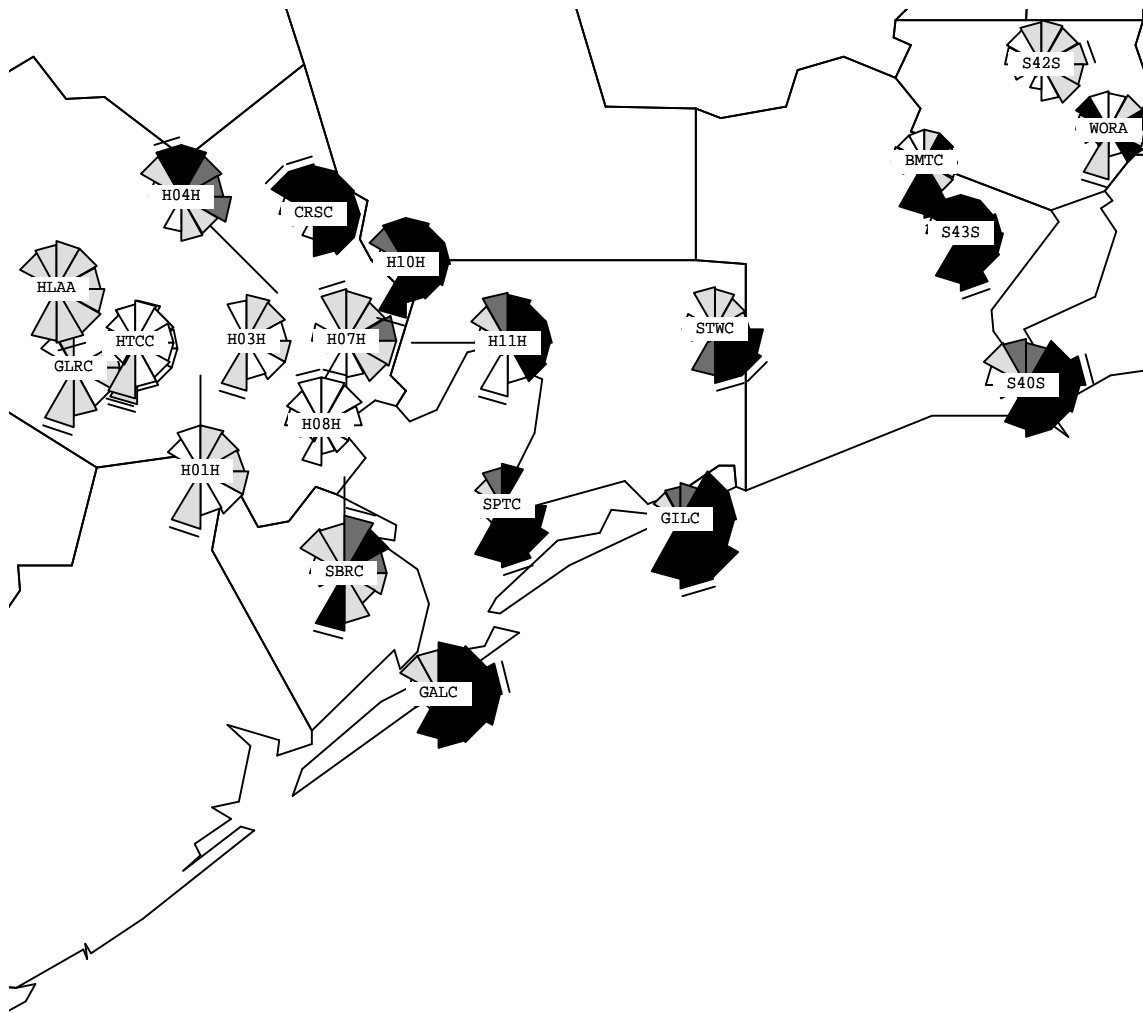
PEAK OZONE:



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

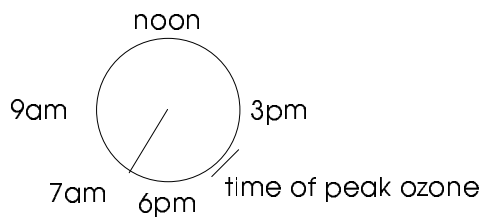
# COAST

10 Sep 1993



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

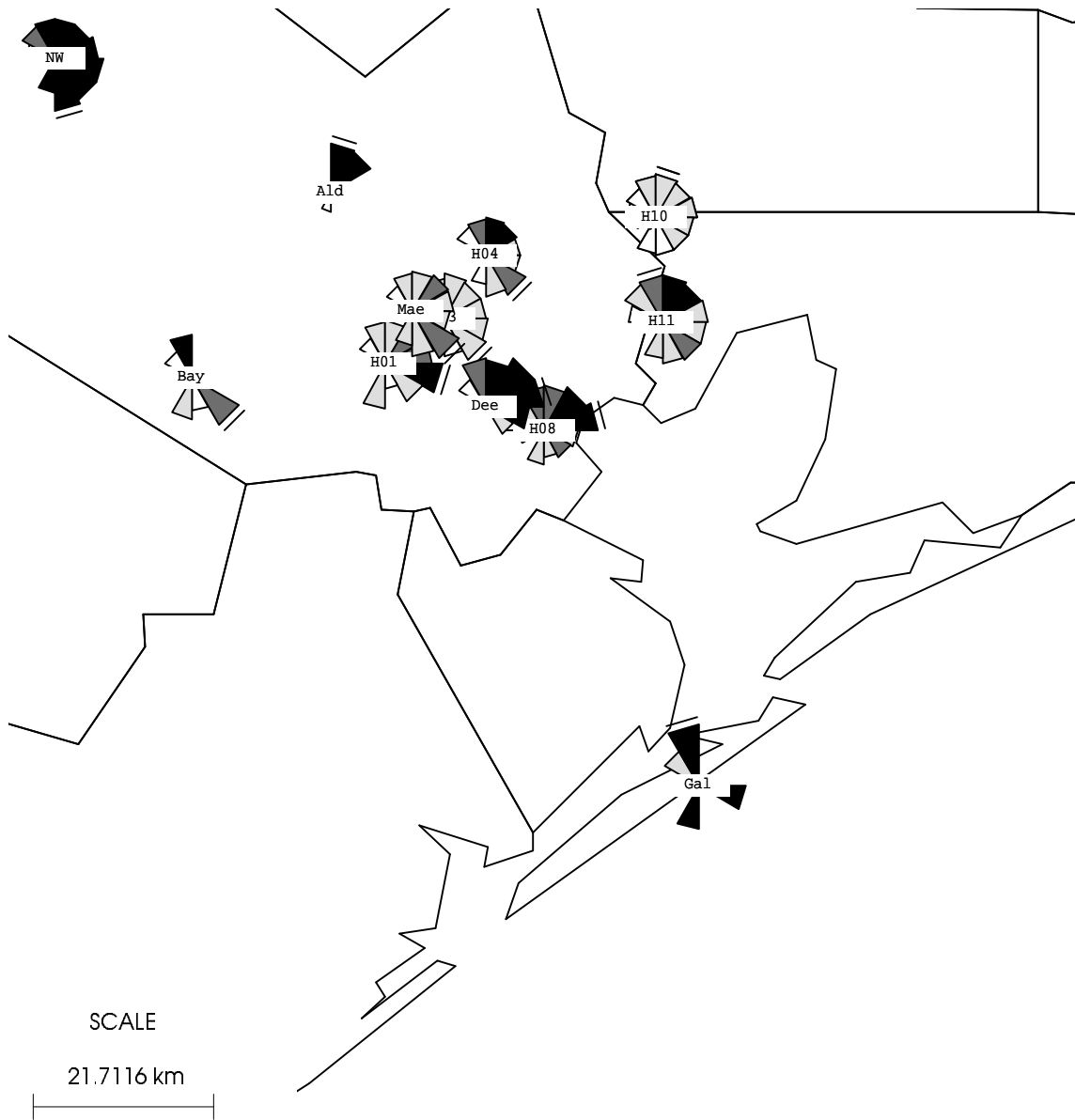
PEAK OZONE:



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

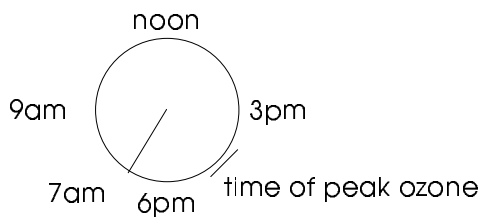
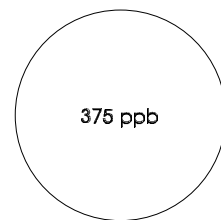
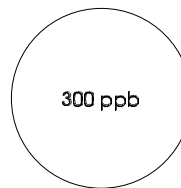
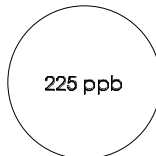
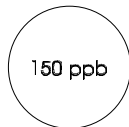
# HOUSTON AREA

29 Aug 1998



EQUATION: Revised, NO<sub>y</sub> Version ( alpha= 0.667, beta= 19.000, O<sub>3</sub>(0)= 40.000, no NO<sub>y</sub> correction )

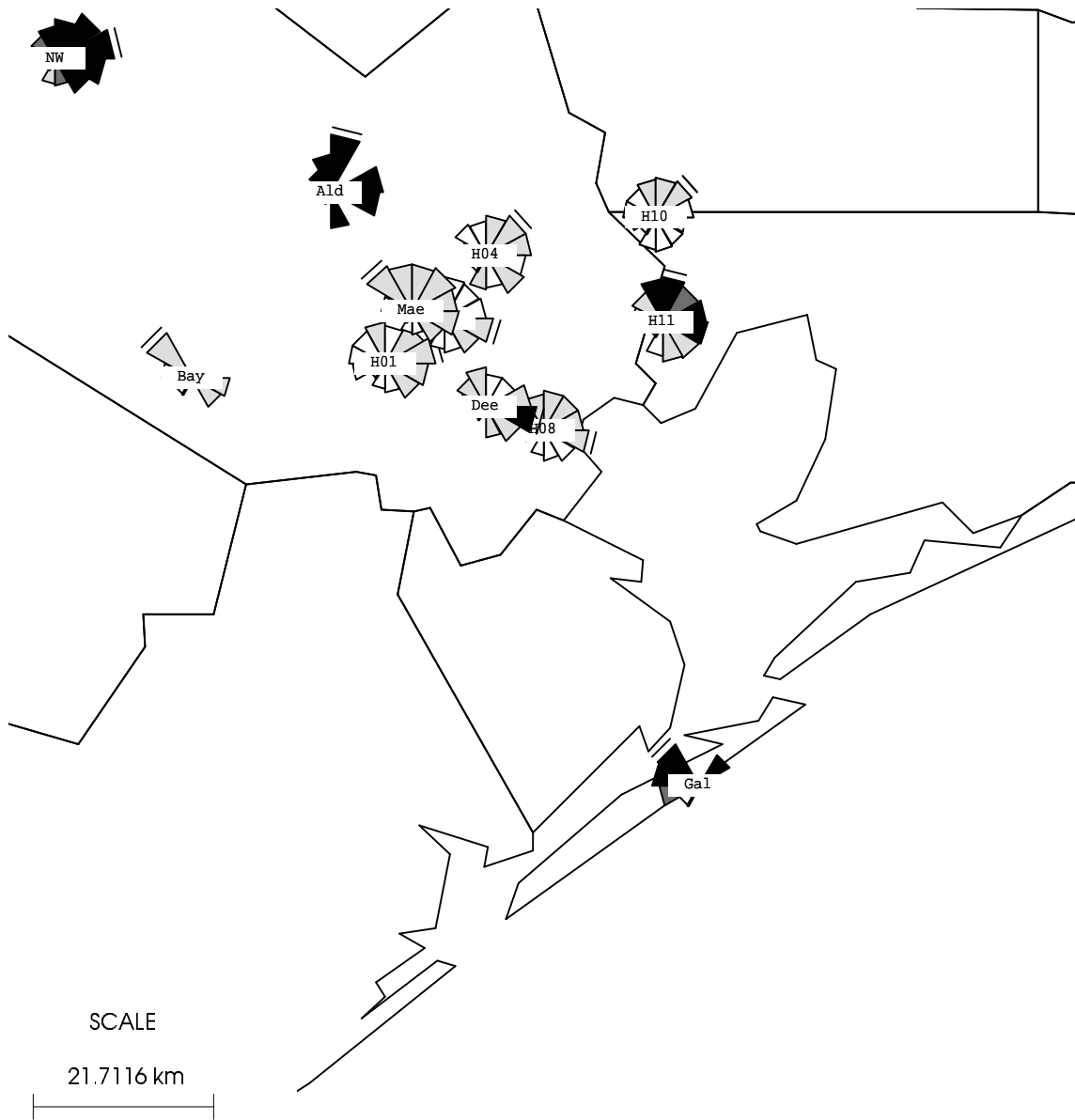
PEAK OZONE:



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

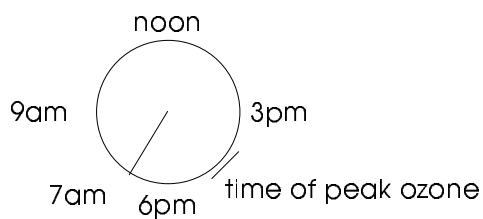
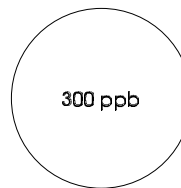
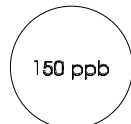
# HOUSTON AREA

30 Aug 1998



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

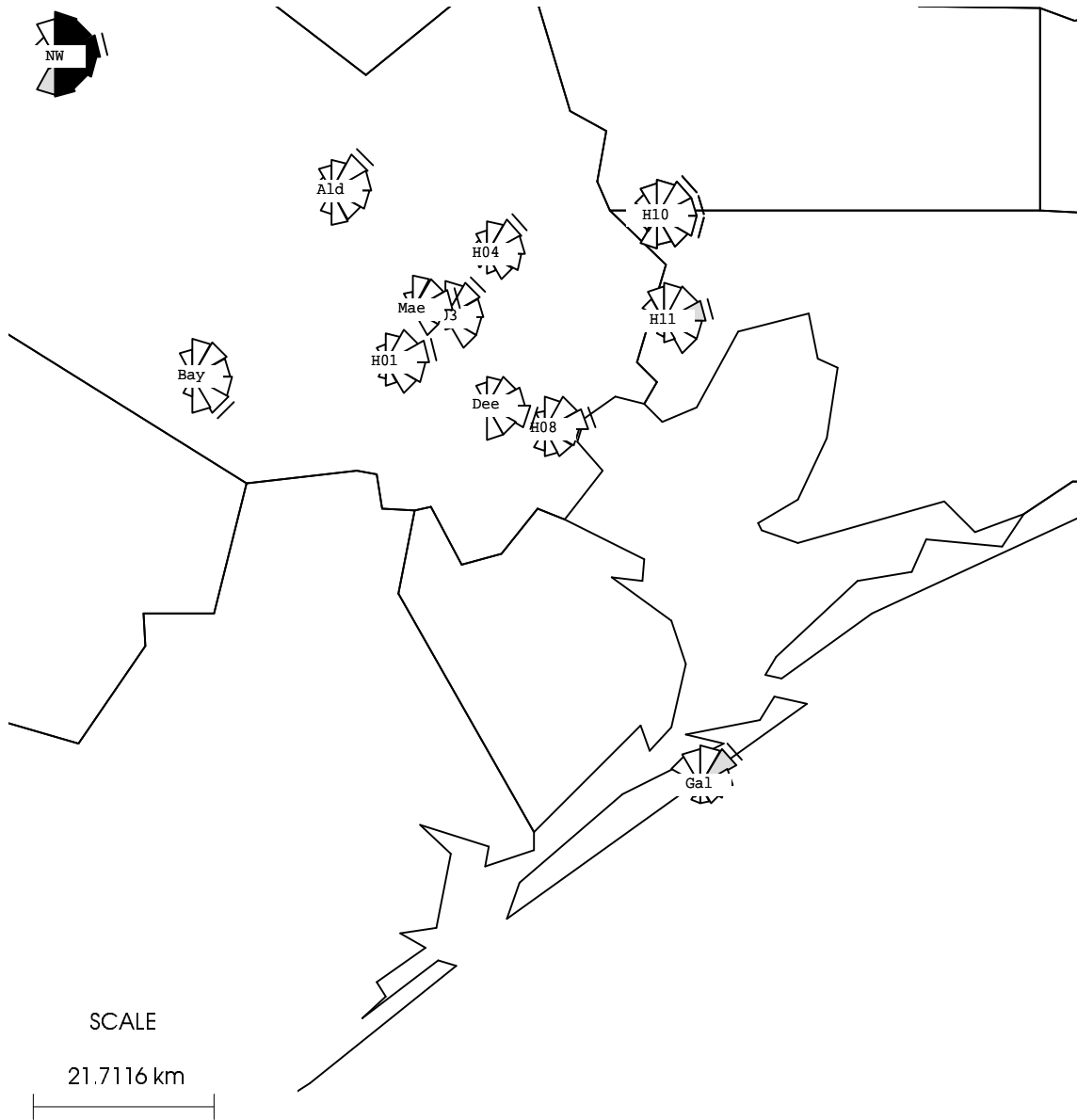
PEAK OZONE:



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

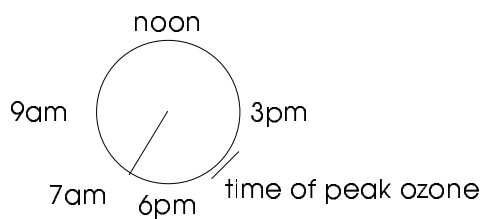
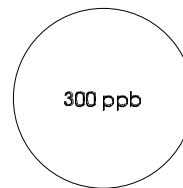
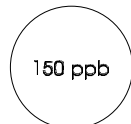
# HOUSTON AREA

31 Aug 1998



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

PEAK OZONE:

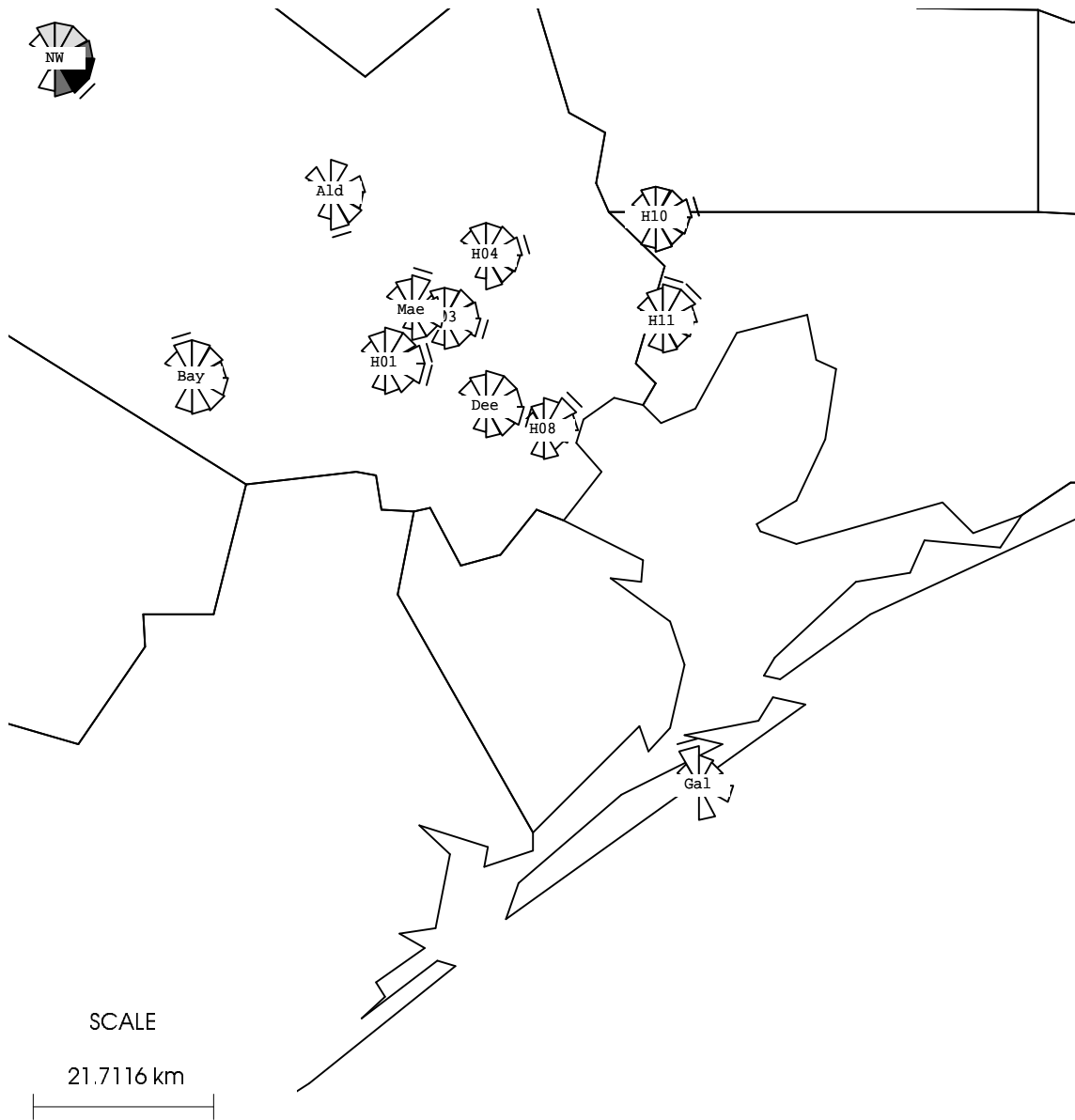


EXTENT	SHADING
Insufficient Data	Blank
.0 - .50	White
.51 - .80	Light Gray
.81 - .95	Medium Gray
.96 - 1.0	Black



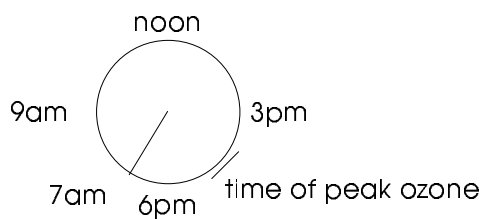
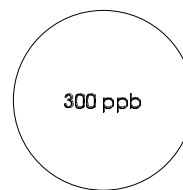
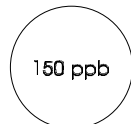
# HOUSTON AREA

01 Sep 1998



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

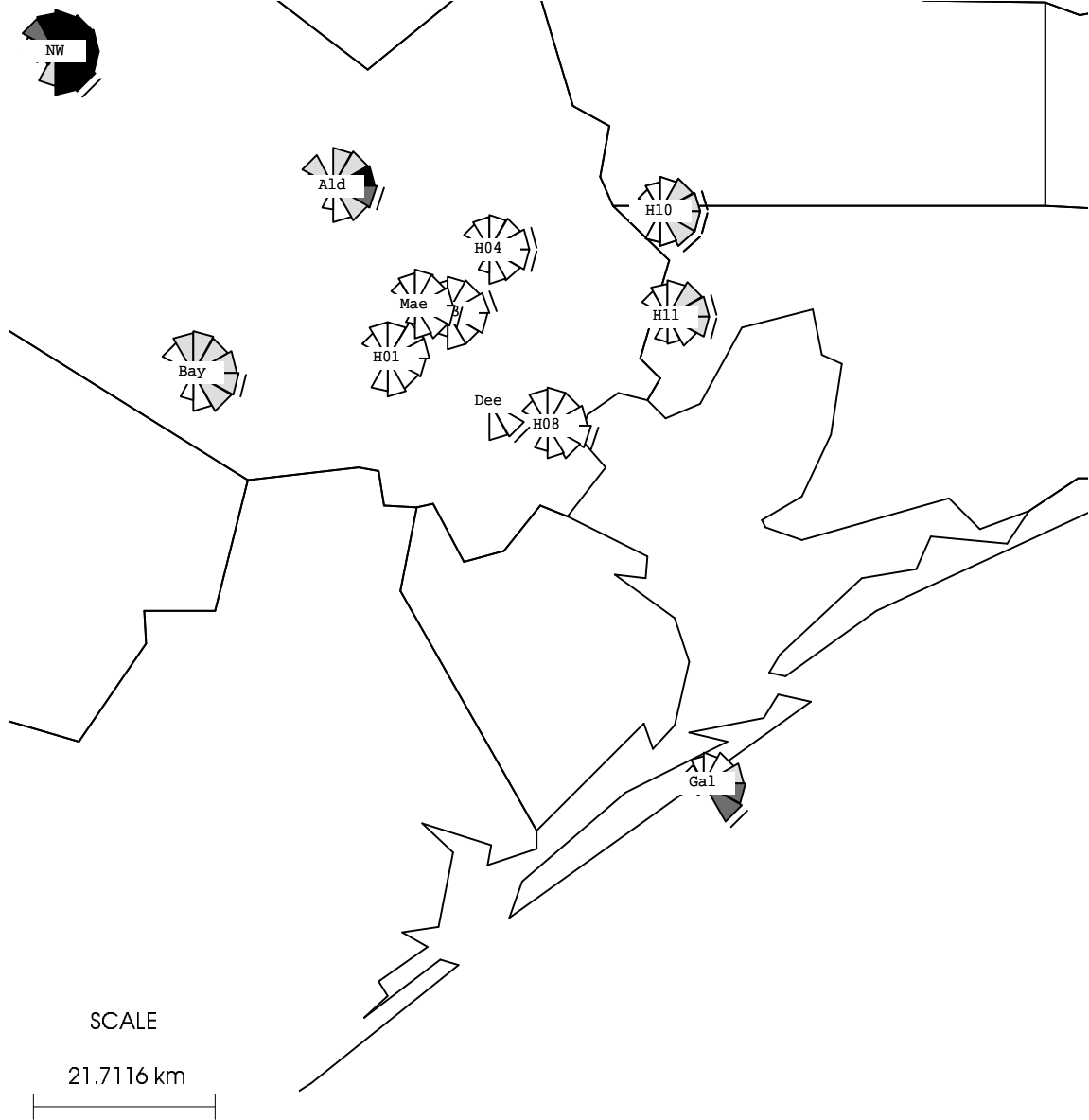
PEAK OZONE:



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

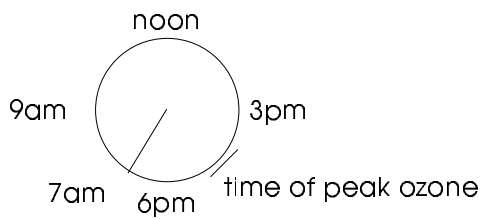
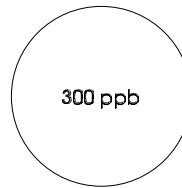
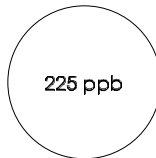
# HOUSTON AREA

02 Sep 1998



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

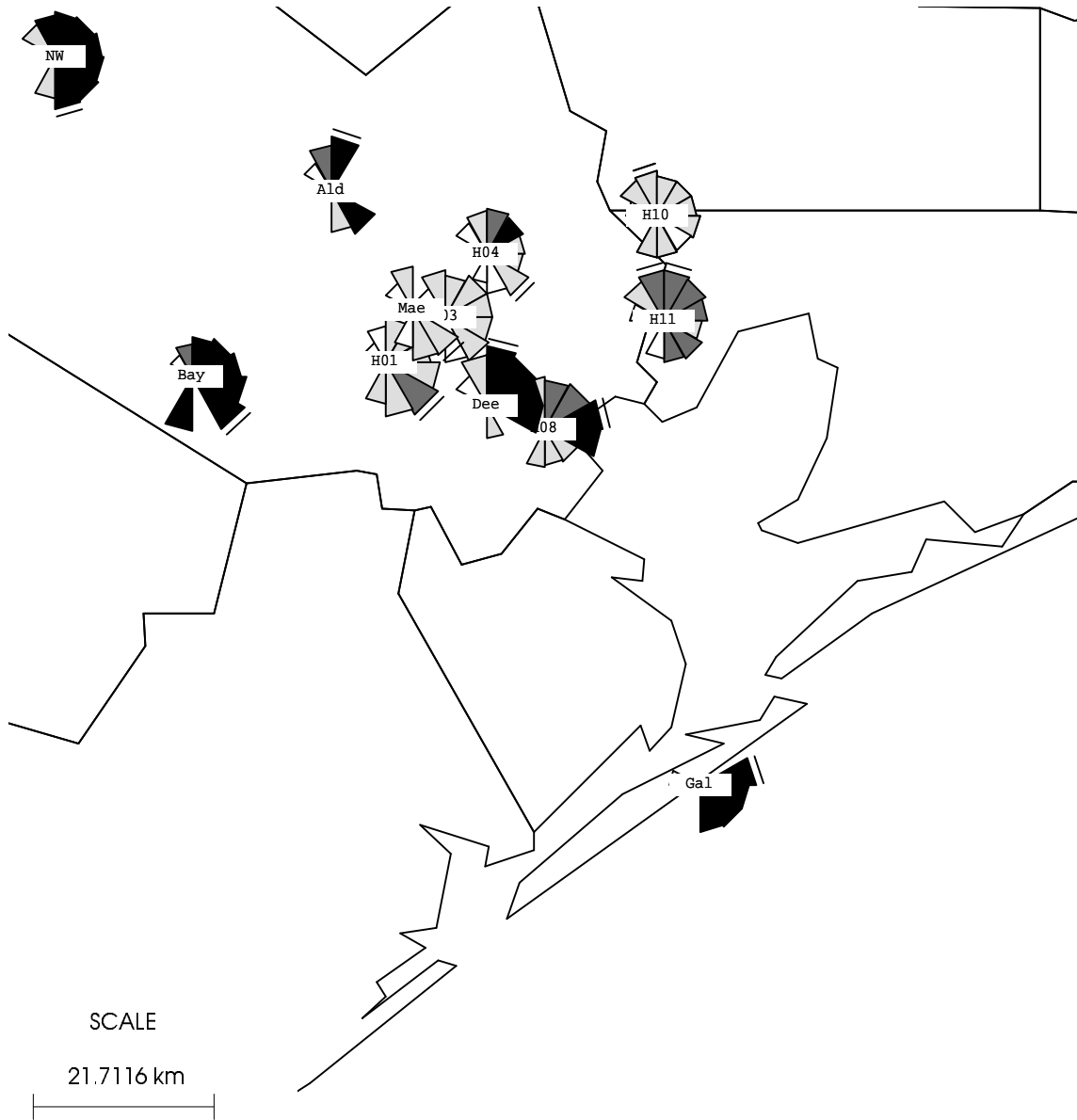
PEAK OZONE:



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

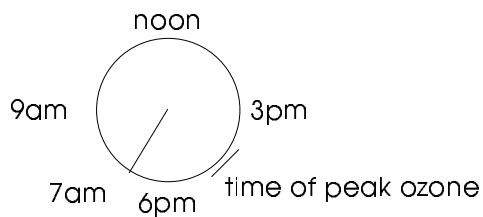
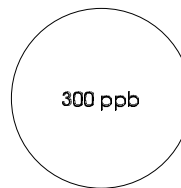
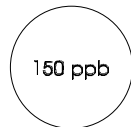
# HOUSTON AREA

03 Sep 1998



EQUATION: Revised, NO<sub>y</sub> Version ( alpha= 0.667, beta= 19.000, O<sub>3</sub>(0)= 40.000, no NO<sub>y</sub> correction )

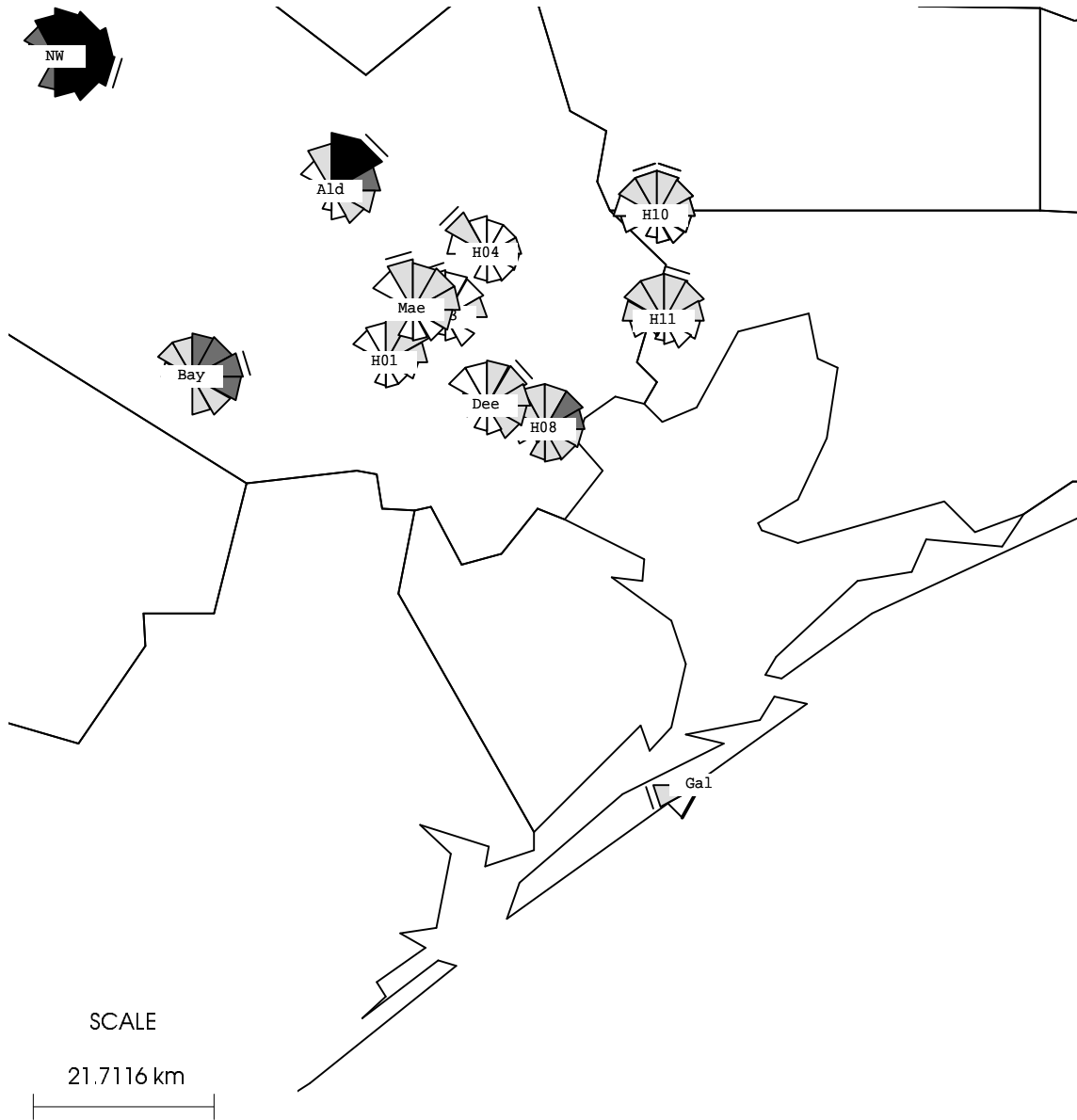
PEAK OZONE:



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

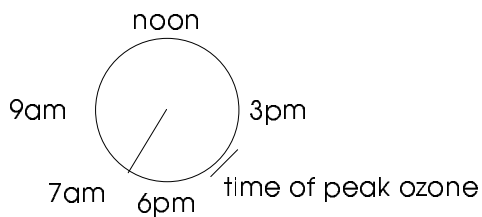
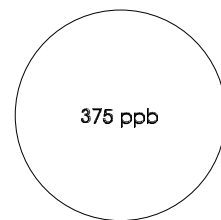
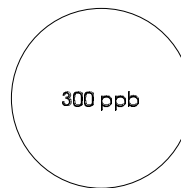
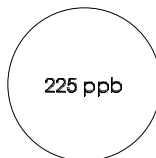
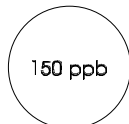
# HOUSTON AREA

04 Sep 1998



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

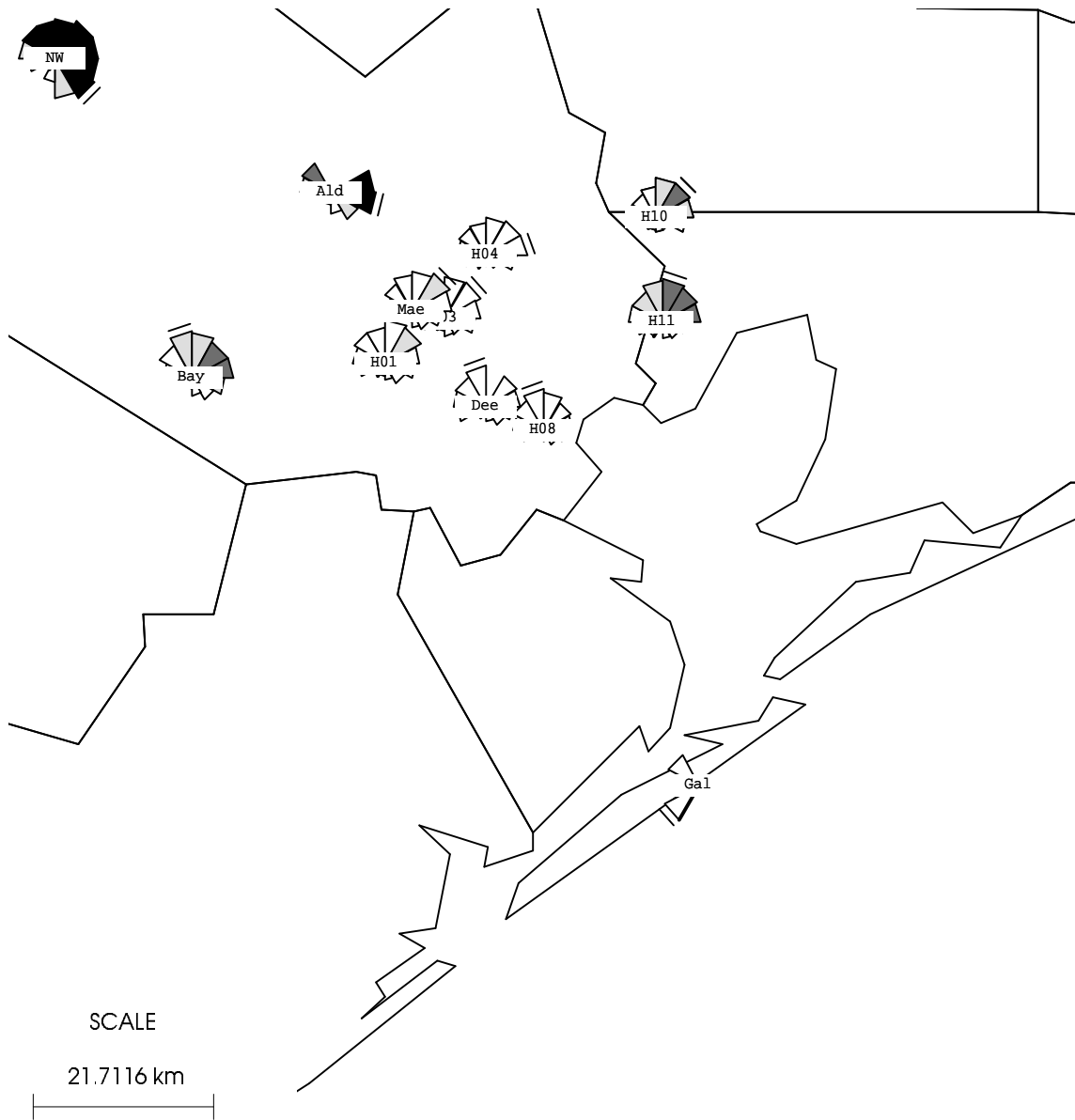
PEAK OZONE:



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

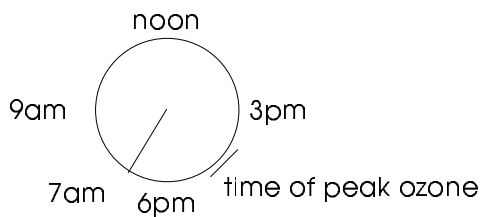
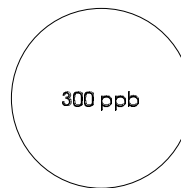
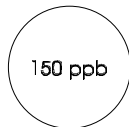
# HOUSTON AREA

05 Sep 1998



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

PEAK OZONE:



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