Figure 19a

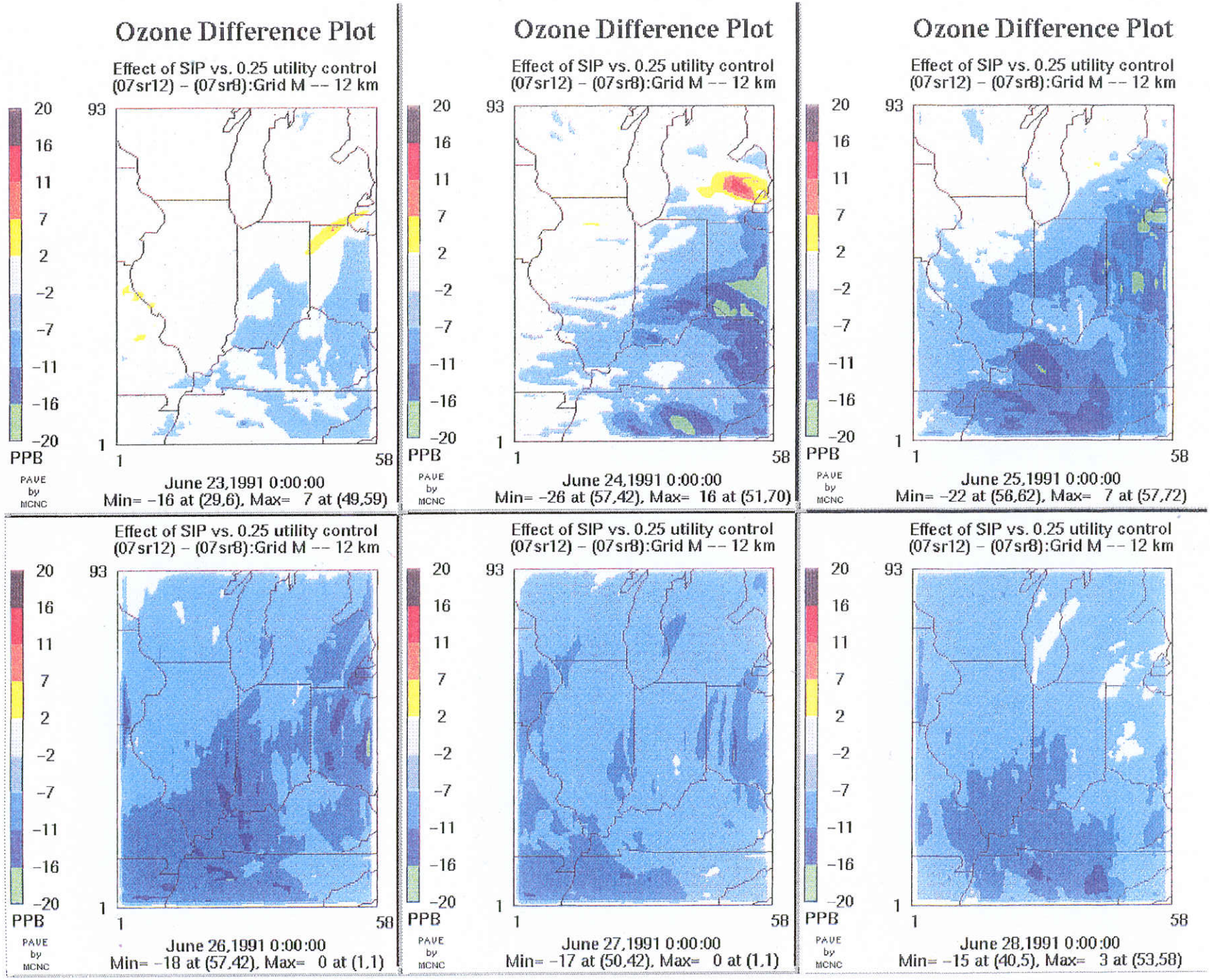

Ozone Difference Plot
Effect of SIP vs. 0.25 utility control
(07sr12) - (07sr8):Grid M -- 12 km
20
16
11
7
2
-2
-7
-11
-16
-20
PPB
93
1
1
58
PAVE by MCNC
June 23,1991 0:00:00
Min= -16 at (29,6), Max= 7 at (49,59)
June 24,1991 0:00:00
Min= -26 at (57,42), Max= 16 at (51,70)
June 25,1991 0:00:00
Min= -22 at (56,62), Max= 7 at (57,72)
June 26,1991 0:00:00
Min= -18 at (57,42), Max= 0 at (1,1)
June 27,1991 0:00:00
Min= -17 at (50,42), Max= 0 at (1,1)
June 28,1991 0:00:00
Min= -15 at (40,5), Max= 3 at (53,58)

Figure 19b

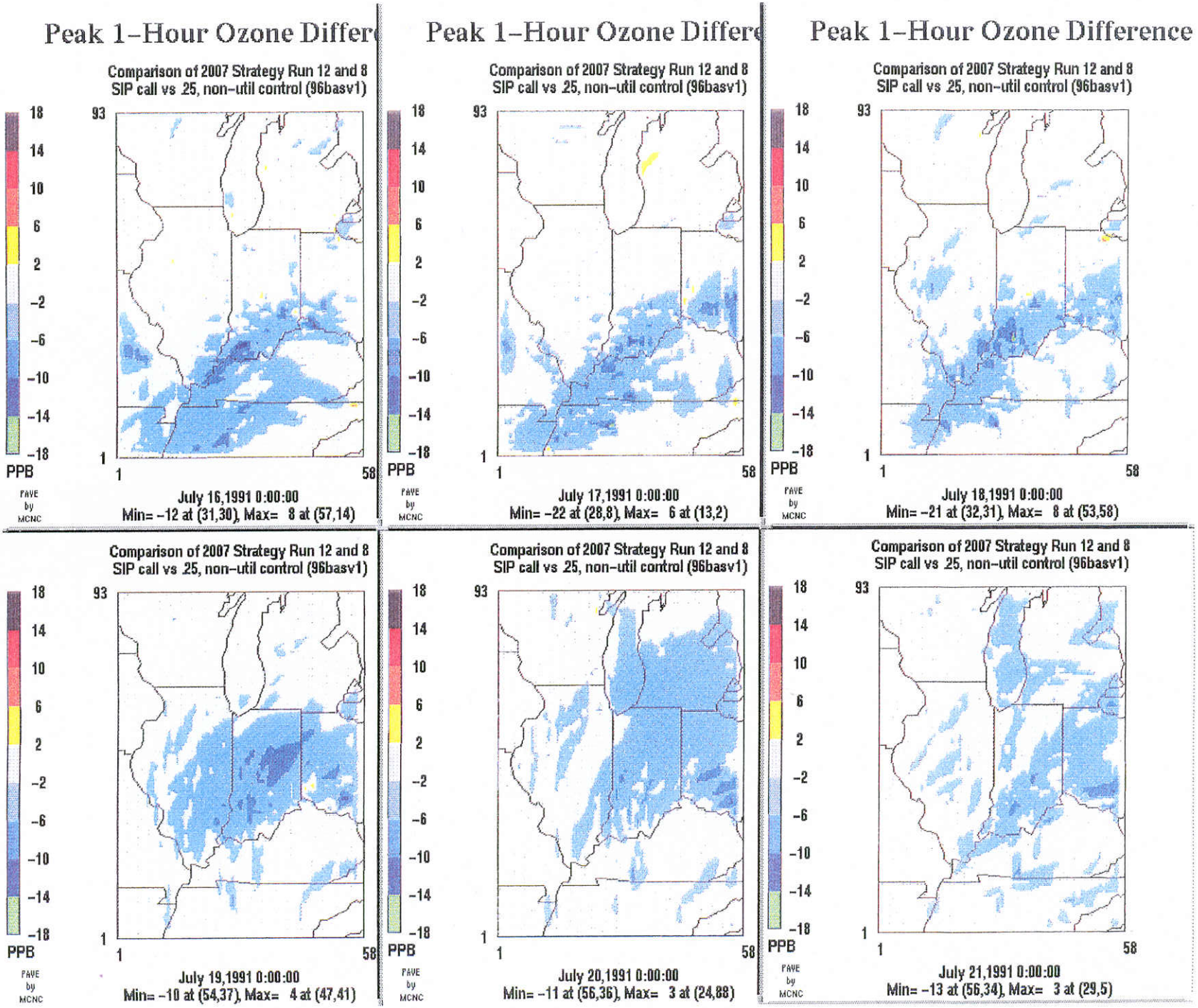

Peak 1-Hour Ozone Differe
Comparison of 2007 Strategy Run 12 and 8
SIP call vs .25, non-util control (96basv1)
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
PAVE by MCNC
July 16,1991 0:00:00
Min= -12 at (31,30), Max= 8 at (57,14)
Peak 1-Hour Ozone Differe
Comparison of 2007 Strategy Run 12 and 8
SIP call vs .25, non-util control (96basv1)
July 17,1991 0:00:00
Min= -22 at (28,8), Max= 6 at (13,2)
Peak 1-Hour Ozone Difference
Comparison of 2007 Strategy Run 12 and 8
SIP call vs .25, non-util control (96basv1)
July 18,1991 0:00:00
Min= -21 at (32,31), Max= 8 at (53,58)
Comparison of 2007 Strategy Run 12 and 8
SIP call vs .25, non-util control (96basv1)
July 19,1991 0:00:00
Min= -10 at (54,37), Max= 4 at (47,41)
Comparison of 2007 Strategy Run 12 and 8
SIP call vs .25, non-util control (96basv1)
July 20,1991 0:00:00
Min= -11 at (56,36), Max= 3 at (24,88)
Comparison of 2007 Strategy Run 12 and 8
SIP call vs .25, non-util control (96basv1)
July 21,1991 0:00:00
Min= -13 at (56,34), Max= 3 at (29,5)

Figure 19c

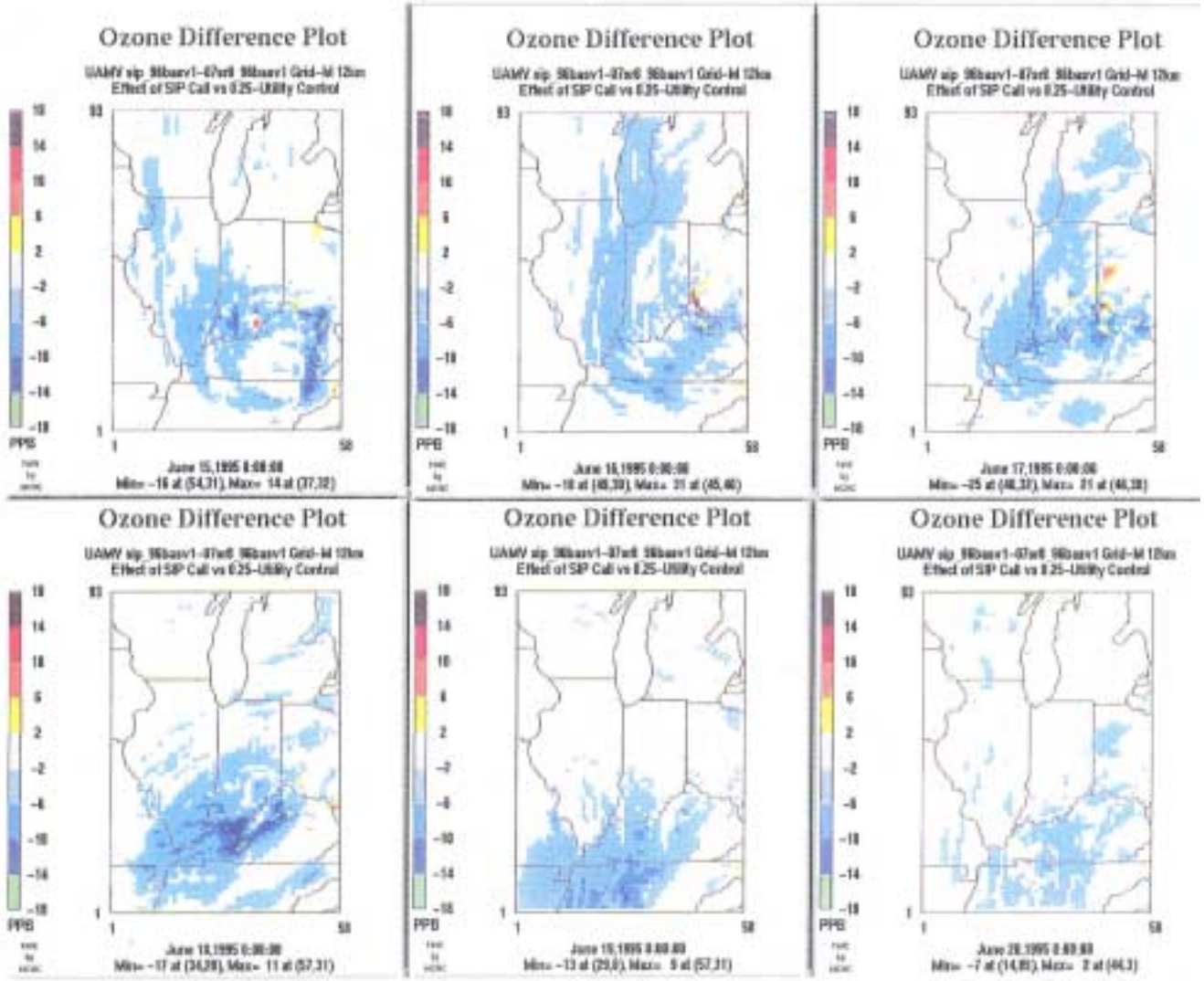

Ozone Difference Plot
Ozone Difference Plot
Ozone Difference Plot
Ozone Difference Plot
Ozone Difference Plot
Ozone Difference Plot
PPB

Figure 19d

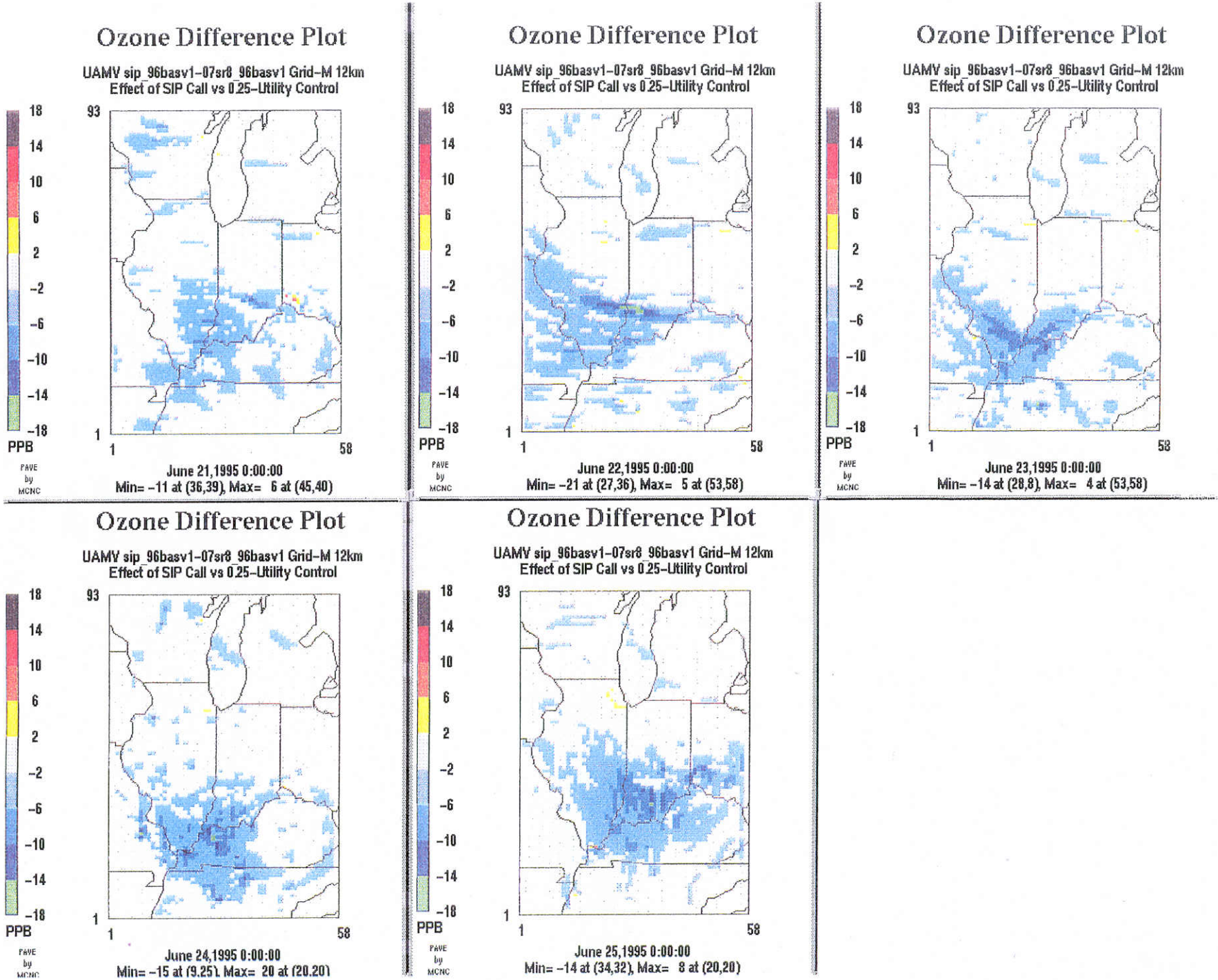
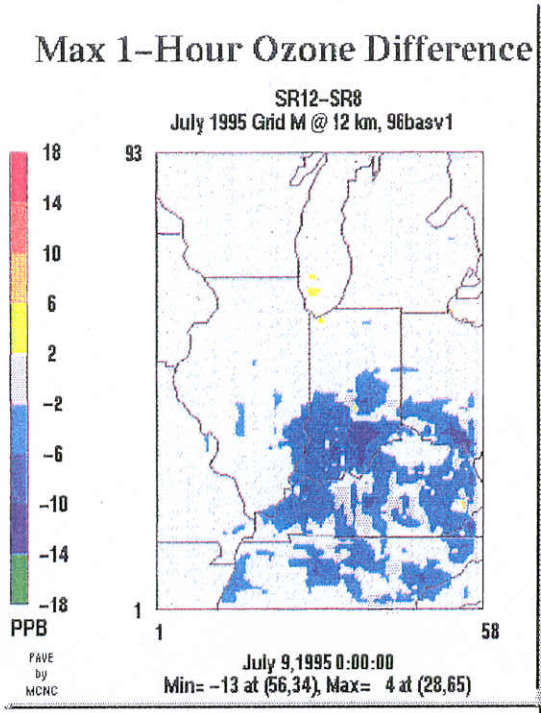
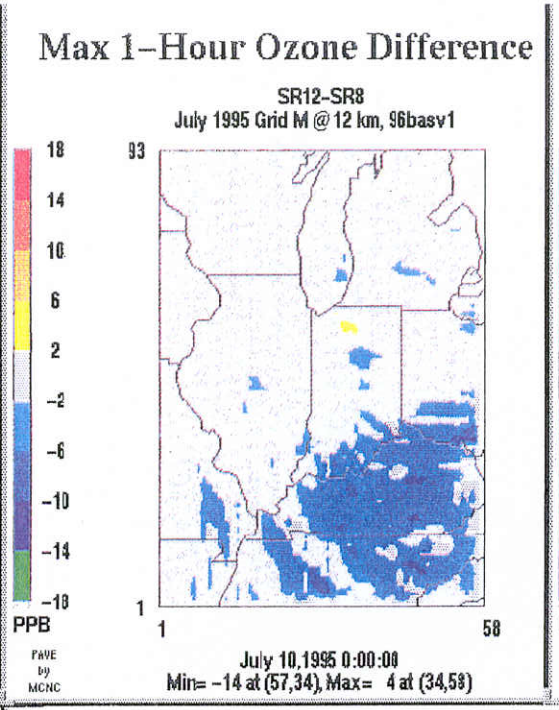
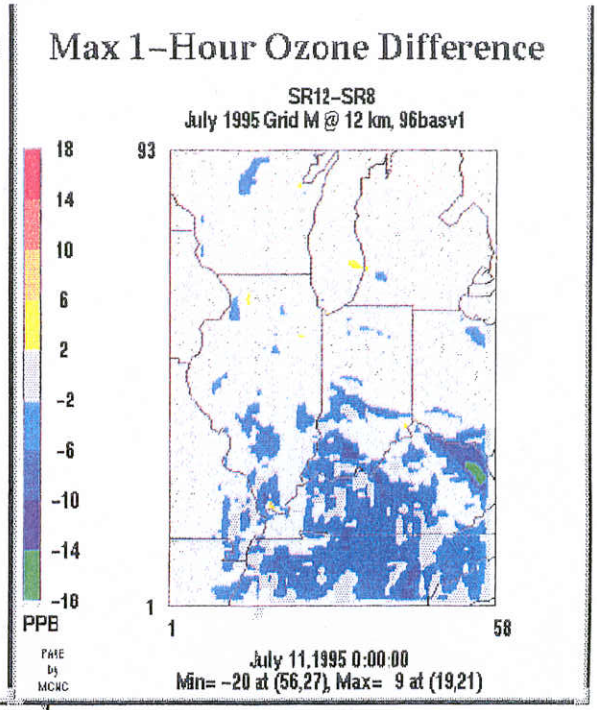
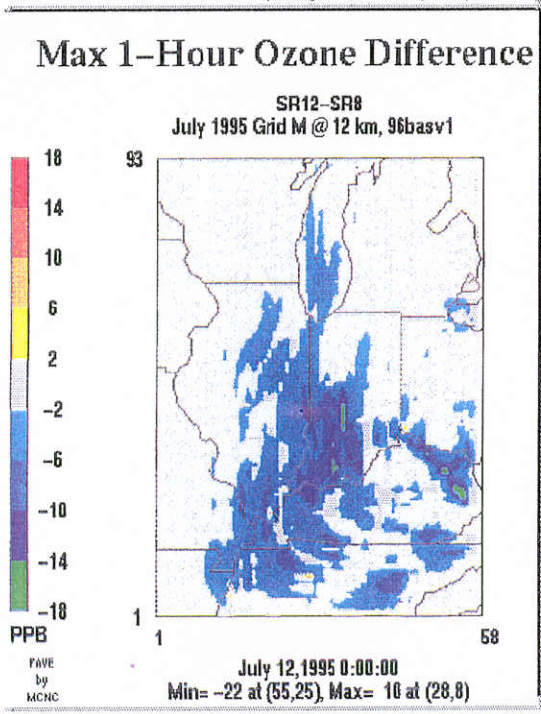

Ozone Difference Plot
UAMV sip_96basv1-07sr8_96basv1 Grid-M 12km
Effect of SIP Call vs 0.25-Utility Control
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
June 21,1995 0:00:00
Min= -11 at (36,39), Max= 6 at (45,40)
June 22,1995 0:00:00
Min= -21 at (27,36), Max= 5 at (53,58)
June 23,1995 0:00:00
Min= -14 at (28,8), Max= 4 at (53,58)
June 24,1995 0:00:00
Min= -15 at (9,25), Max= 20 at (20,20)
June 25,1995 0:00:00
Min= -14 at (34,32), Max= 8 at (20,20)
PAVE by MCNC

Figure 19e


Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
PAVE by MCNC
July 9,1995 0:00:00
Min= -13 at (56,34), Max= 4 at (28,65)


Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
PAVE by MCNC
July 10,1995 0:00:00
Min= -14 at (57,34), Max= 4 at (34,58)


Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
PAVE by MCNC
July 11,1995 0:00:00
Min= -20 at (56,27), Max= 9 at (19,21)


Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
PAVE by MCNC
July 12,1995 0:00:00
Min= -22 at (55,25), Max= 10 at (28,8)

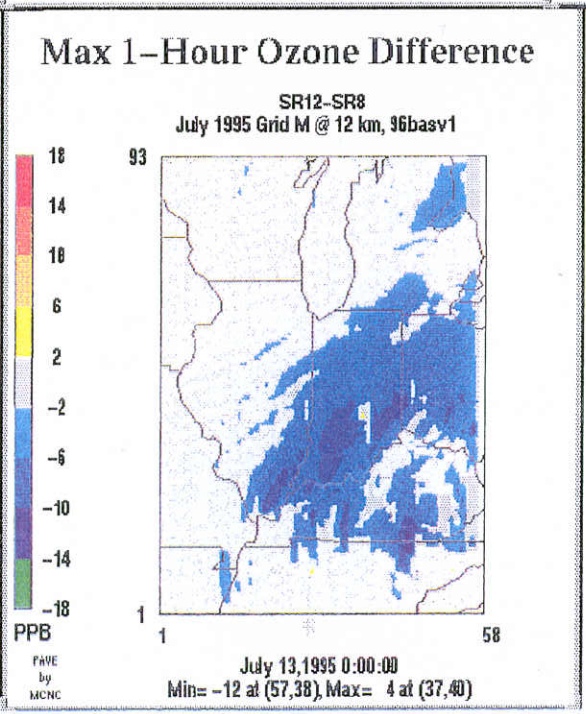
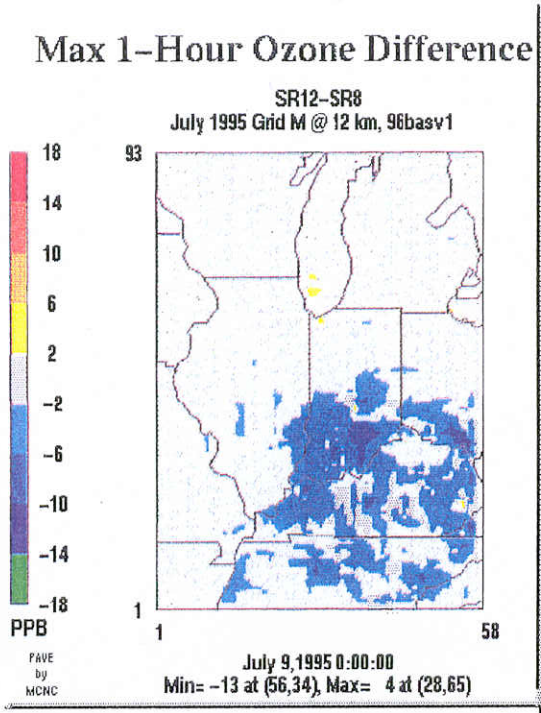
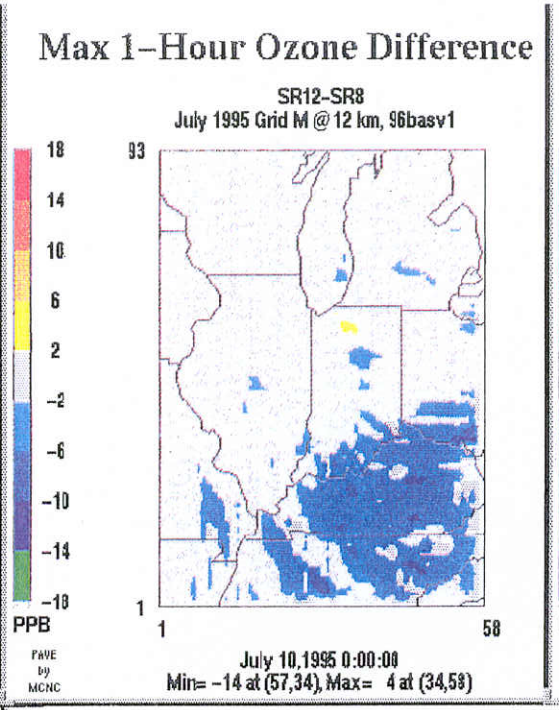
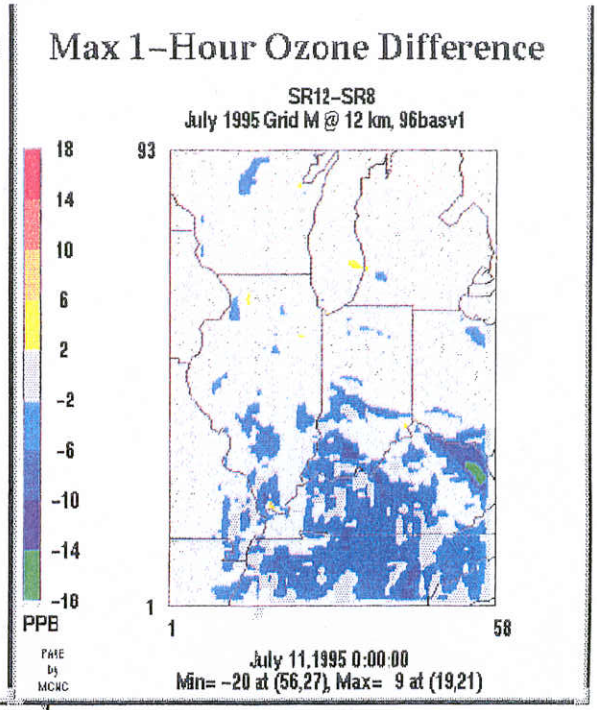
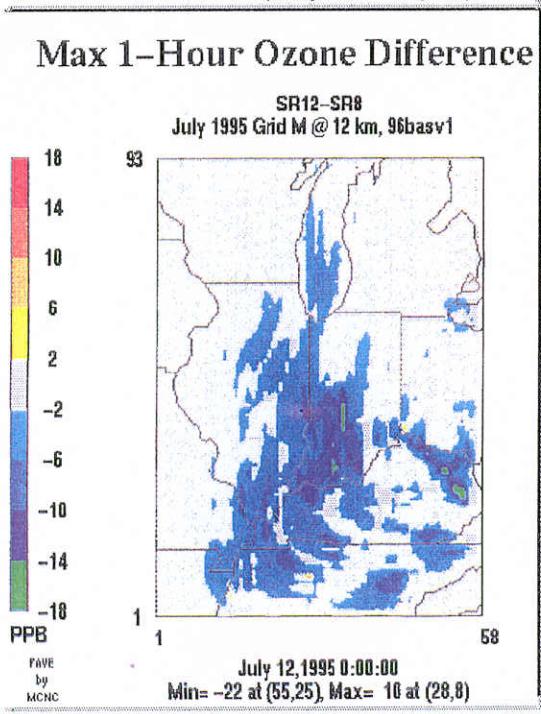

Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
PAVE by MCNC
July 13,1995 0:00:00
Min= -12 at (57,38), Max= 4 at (37,40)

Figure 19e


Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
PAVE by MCNC
July 9,1995 0:00:00
Min= -13 at (56,34), Max= 4 at (28,65)


Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
PAVE by MCNC
July 10,1995 0:00:00
Min= -14 at (57,34), Max= 4 at (34,58)


Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
PAVE by MCNC
July 11,1995 0:00:00
Min= -20 at (56,27), Max= 9 at (19,21)


Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
PAVE by MCNC
July 12,1995 0:00:00
Min= -22 at (55,25), Max= 10 at (28,8)

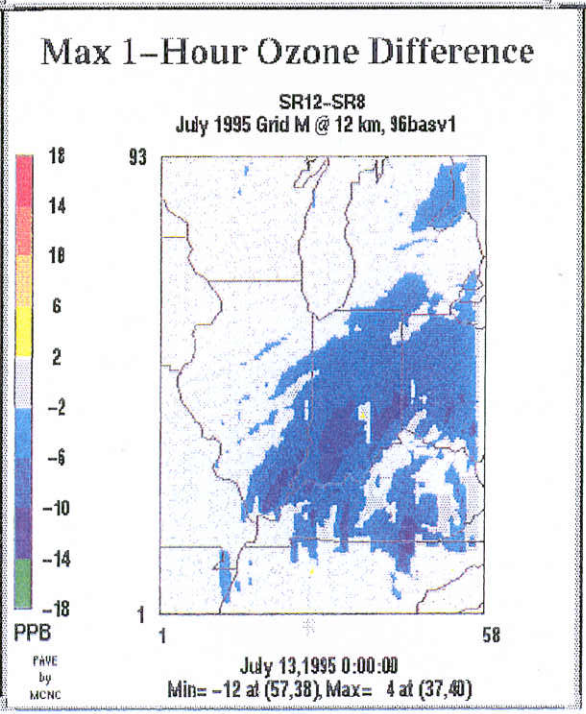
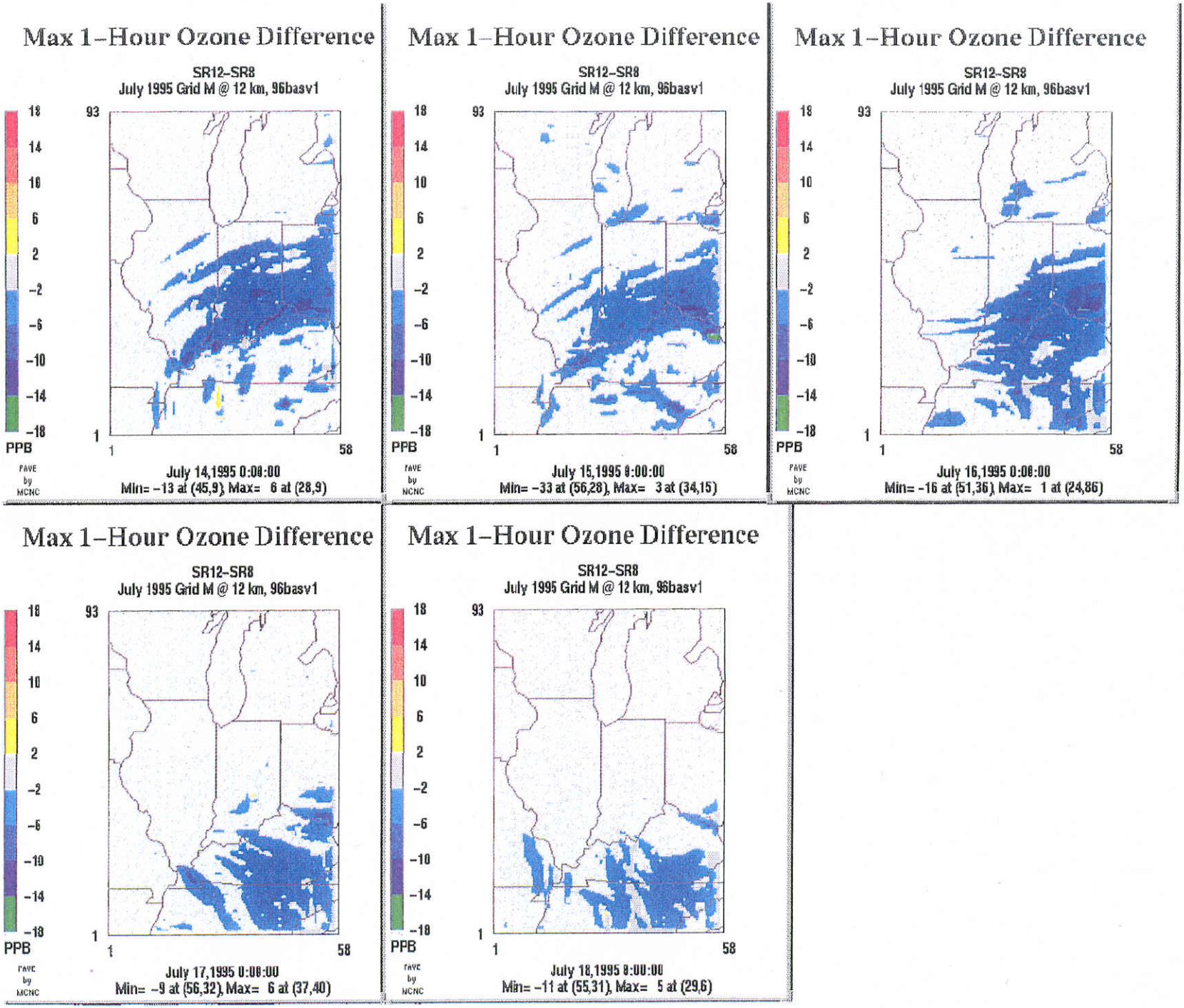

Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
PAVE by MCNC
July 13,1995 0:00:00
Min= -12 at (57,38), Max= 4 at (37,40)

Figure 19f


Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
18
14
10
6
2
-2
-6
-10
-14
-18
PPB
93
1
1
58
PAVE by MCNC
July 14,1995 0:00:00
Min= -13 at (45,9), Max= 6 at (28,9)
Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
July 15,1995 0:00:00
Min= -33 at (56,28), Max= 3 at (34,15)
Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
July 16,1995 0:00:00
Min= -16 at (51,36), Max= 1 at (24,86)
Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
July 17,1995 0:00:00
Min= -9 at (56,32), Max= 6 at (37,40)
Max 1-Hour Ozone Difference
SR12-SR8
July 1995 Grid M @ 12 km, 96basv1
July 18,1995 0:00:00
Min= -11 at (55,31), Max= 5 at (29,6)