

ISCST3x VERSION 4.4.3  
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Run Began on 4/20/2008 at 15:49:41

\*\* BREEZE ISC GIS Pro v5.1.2 - C:\NCRA\Modeling\DPM Risk\Traveling  
Trains\Petaluma\20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound.dat

\*\* Trinity Consultants

CO STARTING  
CO TITLEONE NCRA Cumulative DPM Impacts  
CO TITLETWO Maximum train overlap at SE/NW Bound Direction  
CO MODELOPT DFAULT CONC URBAN  
CO AVERTIME ANNUAL  
CO POLLUTID OTHER  
CO TERRHGTS FLAT  
CO FLAGPOLE 1.2  
CO RUNORNOT RUN  
CO FINISHED

SO STARTING  
SO ELEVUNIT METERS  
SO LOCATION NCRA\_S1 AREA 98.64 -92.28 0  
\*\* SRCDESCR NCRA Cumulative Trains 2, 3 &4\_North-South  
SO LOCATION NCRA\_S2 AREA 35.0 -28.64 0  
\*\* SRCDESCR NCRA Cumulative Trains 2, 3 &4\_North-South  
SO LOCATION NCRA\_S3 AREA -28.64 35.0 0  
\*\* SRCDESCR NCRA Cumulative Trains 2, 3 &4\_North-South  
SO LOCATION NCRA\_S4 AREA -92.28 98.64 0  
\*\* SRCDESCR NCRA Cumulative Trains 2, 3 &4\_North-South  
SO LOCATION NCRA\_S5 AREA -155.92 162.28 0  
\*\* SRCDESCR NCRA Cumulative Trains 2, 3 &4\_North-South  
SO SRCPARAM NCRA\_S1 2.110000E-08 4.953 9 90 135 2.3  
SO SRCPARAM NCRA\_S2 2.110000E-08 4.953 9 90 135 2.3  
SO SRCPARAM NCRA\_S3 2.110000E-08 4.953 9 90 135 2.3  
SO SRCPARAM NCRA\_S4 2.110000E-08 4.953 9 90 135 2.3  
SO SRCPARAM NCRA\_S5 2.110000E-08 4.953 9 90 135 2.3  
SO SRCGROUP NCRA\_S1 NCRA\_S1  
SO SRCGROUP NCRA\_S2 NCRA\_S2  
SO SRCGROUP NCRA\_S3 NCRA\_S3  
SO SRCGROUP NCRA\_S4 NCRA\_S4  
SO SRCGROUP NCRA\_S5 NCRA\_S5  
SO SRCGROUP ALL  
SO FINISHED

RE STARTING

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | -106.07 | 247.49 | 1.2 |
| RE DISCCART | -113.14 | 240.42 | 1.2 |
| RE DISCCART | -120.21 | 233.35 | 1.2 |
| RE DISCCART | -127.28 | 226.27 | 1.2 |
| RE DISCCART | -134.35 | 219.2  | 1.2 |
| RE DISCCART | -141.42 | 212.13 | 1.2 |
| RE DISCCART | -148.49 | 205.06 | 1.2 |
| RE DISCCART | -155.56 | 197.99 | 1.2 |
| RE DISCCART | -159.1  | 194.45 | 1.2 |
| RE DISCCART | -162.63 | 190.92 | 1.2 |
| RE DISCCART | -164.76 | 188.8  | 1.2 |
| RE DISCCART | -166.17 | 187.38 | 1.2 |
| RE DISCCART | -167.58 | 185.97 | 1.2 |
| RE DISCCART | -169.0  | 184.55 | 1.2 |
| RE DISCCART | -170.41 | 183.14 | 1.2 |
| RE DISCCART | -183.14 | 170.41 | 1.2 |
| RE DISCCART | -184.55 | 169.0  | 1.2 |
| RE DISCCART | -185.97 | 167.58 | 1.2 |
| RE DISCCART | -187.38 | 166.17 | 1.2 |
| RE DISCCART | -188.8  | 164.76 | 1.2 |
| RE DISCCART | -190.92 | 162.63 | 1.2 |
| RE DISCCART | -194.45 | 159.1  | 1.2 |
| RE DISCCART | -197.99 | 155.56 | 1.2 |
| RE DISCCART | -205.06 | 148.49 | 1.2 |
| RE DISCCART | -212.13 | 141.42 | 1.2 |
| RE DISCCART | -219.2  | 134.35 | 1.2 |
| RE DISCCART | -226.27 | 127.28 | 1.2 |
| RE DISCCART | -233.35 | 120.21 | 1.2 |
| RE DISCCART | -240.42 | 113.14 | 1.2 |
| RE DISCCART | -247.49 | 106.07 | 1.2 |
| RE DISCCART | -98.99  | 240.42 | 1.2 |
| RE DISCCART | -106.07 | 233.35 | 1.2 |
| RE DISCCART | -113.14 | 226.27 | 1.2 |
| RE DISCCART | -120.21 | 219.2  | 1.2 |
| RE DISCCART | -127.28 | 212.13 | 1.2 |
| RE DISCCART | -134.35 | 205.06 | 1.2 |
| RE DISCCART | -141.42 | 197.99 | 1.2 |
| RE DISCCART | -148.49 | 190.92 | 1.2 |
| RE DISCCART | -152.03 | 187.38 | 1.2 |
| RE DISCCART | -155.56 | 183.85 | 1.2 |
| RE DISCCART | -157.68 | 181.73 | 1.2 |
| RE DISCCART | -159.1  | 180.31 | 1.2 |
| RE DISCCART | -160.51 | 178.9  | 1.2 |

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | -161.93 | 177.48 | 1.2 |
| RE DISCCART | -163.34 | 176.07 | 1.2 |
| RE DISCCART | -176.07 | 163.34 | 1.2 |
| RE DISCCART | -177.48 | 161.93 | 1.2 |
| RE DISCCART | -178.9  | 160.51 | 1.2 |
| RE DISCCART | -180.31 | 159.1  | 1.2 |
| RE DISCCART | -181.73 | 157.68 | 1.2 |
| RE DISCCART | -183.85 | 155.56 | 1.2 |
| RE DISCCART | -187.38 | 152.03 | 1.2 |
| RE DISCCART | -190.92 | 148.49 | 1.2 |
| RE DISCCART | -197.99 | 141.42 | 1.2 |
| RE DISCCART | -205.06 | 134.35 | 1.2 |
| RE DISCCART | -212.13 | 127.28 | 1.2 |
| RE DISCCART | -219.2  | 120.21 | 1.2 |
| RE DISCCART | -226.27 | 113.14 | 1.2 |
| RE DISCCART | -233.35 | 106.07 | 1.2 |
| RE DISCCART | -240.42 | 98.99  | 1.2 |
| RE DISCCART | -91.92  | 233.35 | 1.2 |
| RE DISCCART | -98.99  | 226.27 | 1.2 |
| RE DISCCART | -106.07 | 219.2  | 1.2 |
| RE DISCCART | -113.14 | 212.13 | 1.2 |
| RE DISCCART | -120.21 | 205.06 | 1.2 |
| RE DISCCART | -127.28 | 197.99 | 1.2 |
| RE DISCCART | -134.35 | 190.92 | 1.2 |
| RE DISCCART | -141.42 | 183.85 | 1.2 |
| RE DISCCART | -144.96 | 180.31 | 1.2 |
| RE DISCCART | -148.49 | 176.78 | 1.2 |
| RE DISCCART | -150.61 | 174.66 | 1.2 |
| RE DISCCART | -152.03 | 173.24 | 1.2 |
| RE DISCCART | -153.44 | 171.83 | 1.2 |
| RE DISCCART | -154.86 | 170.41 | 1.2 |
| RE DISCCART | -156.27 | 169.0  | 1.2 |
| RE DISCCART | -169.0  | 156.27 | 1.2 |
| RE DISCCART | -170.41 | 154.86 | 1.2 |
| RE DISCCART | -171.83 | 153.44 | 1.2 |
| RE DISCCART | -173.24 | 152.03 | 1.2 |
| RE DISCCART | -174.66 | 150.61 | 1.2 |
| RE DISCCART | -176.78 | 148.49 | 1.2 |
| RE DISCCART | -180.31 | 144.96 | 1.2 |
| RE DISCCART | -183.85 | 141.42 | 1.2 |
| RE DISCCART | -190.92 | 134.35 | 1.2 |
| RE DISCCART | -197.99 | 127.28 | 1.2 |
| RE DISCCART | -205.06 | 120.21 | 1.2 |
| RE DISCCART | -212.13 | 113.14 | 1.2 |

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | -219.2  | 106.07 | 1.2 |
| RE DISCCART | -226.27 | 99.0   | 1.2 |
| RE DISCCART | -233.35 | 91.92  | 1.2 |
| RE DISCCART | -84.85  | 226.27 | 1.2 |
| RE DISCCART | -91.92  | 219.2  | 1.2 |
| RE DISCCART | -98.99  | 212.13 | 1.2 |
| RE DISCCART | -106.07 | 205.06 | 1.2 |
| RE DISCCART | -113.14 | 197.99 | 1.2 |
| RE DISCCART | -120.21 | 190.92 | 1.2 |
| RE DISCCART | -127.28 | 183.85 | 1.2 |
| RE DISCCART | -134.35 | 176.78 | 1.2 |
| RE DISCCART | -137.89 | 173.24 | 1.2 |
| RE DISCCART | -141.42 | 169.71 | 1.2 |
| RE DISCCART | -143.54 | 167.58 | 1.2 |
| RE DISCCART | -144.96 | 166.17 | 1.2 |
| RE DISCCART | -146.37 | 164.76 | 1.2 |
| RE DISCCART | -147.79 | 163.34 | 1.2 |
| RE DISCCART | -149.2  | 161.93 | 1.2 |
| RE DISCCART | -161.93 | 149.2  | 1.2 |
| RE DISCCART | -163.34 | 147.79 | 1.2 |
| RE DISCCART | -164.76 | 146.37 | 1.2 |
| RE DISCCART | -166.17 | 144.96 | 1.2 |
| RE DISCCART | -167.58 | 143.54 | 1.2 |
| RE DISCCART | -169.71 | 141.42 | 1.2 |
| RE DISCCART | -173.24 | 137.89 | 1.2 |
| RE DISCCART | -176.78 | 134.35 | 1.2 |
| RE DISCCART | -183.85 | 127.28 | 1.2 |
| RE DISCCART | -190.92 | 120.21 | 1.2 |
| RE DISCCART | -197.99 | 113.14 | 1.2 |
| RE DISCCART | -205.06 | 106.07 | 1.2 |
| RE DISCCART | -212.13 | 99.0   | 1.2 |
| RE DISCCART | -219.2  | 91.92  | 1.2 |
| RE DISCCART | -226.27 | 84.85  | 1.2 |
| RE DISCCART | -77.78  | 219.2  | 1.2 |
| RE DISCCART | -84.85  | 212.13 | 1.2 |
| RE DISCCART | -91.92  | 205.06 | 1.2 |
| RE DISCCART | -98.99  | 197.99 | 1.2 |
| RE DISCCART | -106.07 | 190.92 | 1.2 |
| RE DISCCART | -113.14 | 183.85 | 1.2 |
| RE DISCCART | -120.21 | 176.78 | 1.2 |
| RE DISCCART | -127.28 | 169.71 | 1.2 |
| RE DISCCART | -130.81 | 166.17 | 1.2 |
| RE DISCCART | -134.35 | 162.63 | 1.2 |
| RE DISCCART | -136.47 | 160.51 | 1.2 |

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | -137.89 | 159.1  | 1.2 |
| RE DISCCART | -139.3  | 157.68 | 1.2 |
| RE DISCCART | -140.71 | 156.27 | 1.2 |
| RE DISCCART | -142.13 | 154.86 | 1.2 |
| RE DISCCART | -154.86 | 142.13 | 1.2 |
| RE DISCCART | -156.27 | 140.71 | 1.2 |
| RE DISCCART | -157.68 | 139.3  | 1.2 |
| RE DISCCART | -159.1  | 137.89 | 1.2 |
| RE DISCCART | -160.51 | 136.47 | 1.2 |
| RE DISCCART | -162.63 | 134.35 | 1.2 |
| RE DISCCART | -166.17 | 130.81 | 1.2 |
| RE DISCCART | -169.71 | 127.28 | 1.2 |
| RE DISCCART | -176.78 | 120.21 | 1.2 |
| RE DISCCART | -183.85 | 113.14 | 1.2 |
| RE DISCCART | -190.92 | 106.07 | 1.2 |
| RE DISCCART | -197.99 | 99.0   | 1.2 |
| RE DISCCART | -205.06 | 91.92  | 1.2 |
| RE DISCCART | -212.13 | 84.85  | 1.2 |
| RE DISCCART | -219.2  | 77.78  | 1.2 |
| RE DISCCART | -70.71  | 212.13 | 1.2 |
| RE DISCCART | -77.78  | 205.06 | 1.2 |
| RE DISCCART | -84.85  | 197.99 | 1.2 |
| RE DISCCART | -91.92  | 190.92 | 1.2 |
| RE DISCCART | -98.99  | 183.85 | 1.2 |
| RE DISCCART | -106.07 | 176.78 | 1.2 |
| RE DISCCART | -113.14 | 169.71 | 1.2 |
| RE DISCCART | -120.21 | 162.63 | 1.2 |
| RE DISCCART | -123.74 | 159.1  | 1.2 |
| RE DISCCART | -127.28 | 155.56 | 1.2 |
| RE DISCCART | -129.4  | 153.44 | 1.2 |
| RE DISCCART | -130.81 | 152.03 | 1.2 |
| RE DISCCART | -132.23 | 150.61 | 1.2 |
| RE DISCCART | -133.64 | 149.2  | 1.2 |
| RE DISCCART | -135.06 | 147.79 | 1.2 |
| RE DISCCART | -147.79 | 135.06 | 1.2 |
| RE DISCCART | -149.2  | 133.64 | 1.2 |
| RE DISCCART | -150.61 | 132.23 | 1.2 |
| RE DISCCART | -152.03 | 130.81 | 1.2 |
| RE DISCCART | -153.44 | 129.4  | 1.2 |
| RE DISCCART | -155.56 | 127.28 | 1.2 |
| RE DISCCART | -159.1  | 123.74 | 1.2 |
| RE DISCCART | -162.63 | 120.21 | 1.2 |
| RE DISCCART | -169.71 | 113.14 | 1.2 |
| RE DISCCART | -176.78 | 106.07 | 1.2 |

RE DISCCART -183.85 98.99 1.2  
 RE DISCCART -190.92 91.92 1.2  
 RE DISCCART -197.99 84.85 1.2  
 RE DISCCART -205.06 77.78 1.2  
 RE DISCCART -212.13 70.71 1.2  
 RE DISCCART -63.64 205.06 1.2  
 RE DISCCART -70.71 197.99 1.2  
 RE DISCCART -77.78 190.92 1.2  
 RE DISCCART -84.85 183.85 1.2  
 RE DISCCART -91.92 176.78 1.2  
 RE DISCCART -98.99 169.71 1.2  
 RE DISCCART -106.07 162.63 1.2  
 RE DISCCART -113.14 155.56 1.2  
 RE DISCCART -116.67 152.03 1.2  
 RE DISCCART -120.21 148.49 1.2  
 RE DISCCART -122.33 146.37 1.2  
 RE DISCCART -123.74 144.96 1.2  
 RE DISCCART -125.16 143.54 1.2  
 RE DISCCART -126.57 142.13 1.2  
 RE DISCCART -127.99 140.71 1.2  
 RE DISCCART -140.71 127.99 1.2  
 RE DISCCART -142.13 126.57 1.2  
 RE DISCCART -143.54 125.16 1.2  
 RE DISCCART -144.96 123.74 1.2  
 RE DISCCART -146.37 122.33 1.2  
 RE DISCCART -148.49 120.21 1.2  
 RE DISCCART -152.03 116.67 1.2  
 RE DISCCART -155.56 113.14 1.2  
 RE DISCCART -162.63 106.07 1.2  
 RE DISCCART -169.71 98.99 1.2  
 RE DISCCART -176.78 91.92 1.2  
 RE DISCCART -183.85 84.85 1.2  
 RE DISCCART -190.92 77.78 1.2  
 RE DISCCART -197.99 70.71 1.2  
 RE DISCCART -205.06 63.64 1.2  
 RE DISCCART -56.57 197.99 1.2  
 RE DISCCART -63.64 190.92 1.2  
 RE DISCCART -70.71 183.85 1.2  
 RE DISCCART -77.78 176.78 1.2  
 RE DISCCART -84.85 169.71 1.2  
 RE DISCCART -91.92 162.63 1.2  
 RE DISCCART -98.99 155.56 1.2  
 RE DISCCART -106.07 148.49 1.2  
 RE DISCCART -109.6 144.96 1.2

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | -113.14 | 141.42 | 1.2 |
| RE DISCCART | -115.26 | 139.3  | 1.2 |
| RE DISCCART | -116.67 | 137.89 | 1.2 |
| RE DISCCART | -118.09 | 136.47 | 1.2 |
| RE DISCCART | -119.5  | 135.06 | 1.2 |
| RE DISCCART | -120.92 | 133.64 | 1.2 |
| RE DISCCART | -133.64 | 120.92 | 1.2 |
| RE DISCCART | -135.06 | 119.5  | 1.2 |
| RE DISCCART | -136.47 | 118.09 | 1.2 |
| RE DISCCART | -137.89 | 116.67 | 1.2 |
| RE DISCCART | -139.3  | 115.26 | 1.2 |
| RE DISCCART | -141.42 | 113.14 | 1.2 |
| RE DISCCART | -144.96 | 109.6  | 1.2 |
| RE DISCCART | -148.49 | 106.07 | 1.2 |
| RE DISCCART | -155.56 | 98.99  | 1.2 |
| RE DISCCART | -162.63 | 91.92  | 1.2 |
| RE DISCCART | -169.71 | 84.85  | 1.2 |
| RE DISCCART | -176.78 | 77.78  | 1.2 |
| RE DISCCART | -183.85 | 70.71  | 1.2 |
| RE DISCCART | -190.92 | 63.64  | 1.2 |
| RE DISCCART | -197.99 | 56.57  | 1.2 |
| RE DISCCART | -49.5   | 190.92 | 1.2 |
| RE DISCCART | -56.57  | 183.85 | 1.2 |
| RE DISCCART | -63.64  | 176.78 | 1.2 |
| RE DISCCART | -70.71  | 169.71 | 1.2 |
| RE DISCCART | -77.78  | 162.63 | 1.2 |
| RE DISCCART | -84.85  | 155.56 | 1.2 |
| RE DISCCART | -91.92  | 148.49 | 1.2 |
| RE DISCCART | -98.99  | 141.42 | 1.2 |
| RE DISCCART | -102.53 | 137.89 | 1.2 |
| RE DISCCART | -106.07 | 134.35 | 1.2 |
| RE DISCCART | -108.19 | 132.23 | 1.2 |
| RE DISCCART | -109.6  | 130.81 | 1.2 |
| RE DISCCART | -111.02 | 129.4  | 1.2 |
| RE DISCCART | -112.43 | 127.99 | 1.2 |
| RE DISCCART | -113.84 | 126.57 | 1.2 |
| RE DISCCART | -126.57 | 113.84 | 1.2 |
| RE DISCCART | -127.99 | 112.43 | 1.2 |
| RE DISCCART | -129.4  | 111.02 | 1.2 |
| RE DISCCART | -130.81 | 109.6  | 1.2 |
| RE DISCCART | -132.23 | 108.19 | 1.2 |
| RE DISCCART | -134.35 | 106.07 | 1.2 |
| RE DISCCART | -137.89 | 102.53 | 1.2 |
| RE DISCCART | -141.42 | 98.99  | 1.2 |

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | -148.49 | 91.92  | 1.2 |
| RE DISCCART | -155.56 | 84.85  | 1.2 |
| RE DISCCART | -162.63 | 77.78  | 1.2 |
| RE DISCCART | -169.71 | 70.71  | 1.2 |
| RE DISCCART | -176.78 | 63.64  | 1.2 |
| RE DISCCART | -183.85 | 56.57  | 1.2 |
| RE DISCCART | -190.92 | 49.5   | 1.2 |
| RE DISCCART | -42.43  | 183.85 | 1.2 |
| RE DISCCART | -49.5   | 176.78 | 1.2 |
| RE DISCCART | -56.57  | 169.71 | 1.2 |
| RE DISCCART | -63.64  | 162.63 | 1.2 |
| RE DISCCART | -70.71  | 155.56 | 1.2 |
| RE DISCCART | -77.78  | 148.49 | 1.2 |
| RE DISCCART | -84.85  | 141.42 | 1.2 |
| RE DISCCART | -91.92  | 134.35 | 1.2 |
| RE DISCCART | -95.46  | 130.81 | 1.2 |
| RE DISCCART | -98.99  | 127.28 | 1.2 |
| RE DISCCART | -101.12 | 125.16 | 1.2 |
| RE DISCCART | -102.53 | 123.74 | 1.2 |
| RE DISCCART | -103.94 | 122.33 | 1.2 |
| RE DISCCART | -105.36 | 120.92 | 1.2 |
| RE DISCCART | -106.77 | 119.5  | 1.2 |
| RE DISCCART | -119.5  | 106.77 | 1.2 |
| RE DISCCART | -120.92 | 105.36 | 1.2 |
| RE DISCCART | -122.33 | 103.94 | 1.2 |
| RE DISCCART | -123.74 | 102.53 | 1.2 |
| RE DISCCART | -125.16 | 101.12 | 1.2 |
| RE DISCCART | -127.28 | 98.99  | 1.2 |
| RE DISCCART | -130.81 | 95.46  | 1.2 |
| RE DISCCART | -134.35 | 91.92  | 1.2 |
| RE DISCCART | -141.42 | 84.85  | 1.2 |
| RE DISCCART | -148.49 | 77.78  | 1.2 |
| RE DISCCART | -155.56 | 70.71  | 1.2 |
| RE DISCCART | -162.63 | 63.64  | 1.2 |
| RE DISCCART | -169.71 | 56.57  | 1.2 |
| RE DISCCART | -176.78 | 49.5   | 1.2 |
| RE DISCCART | -183.85 | 42.43  | 1.2 |
| RE DISCCART | -35.36  | 176.78 | 1.2 |
| RE DISCCART | -42.43  | 169.71 | 1.2 |
| RE DISCCART | -49.5   | 162.63 | 1.2 |
| RE DISCCART | -56.57  | 155.56 | 1.2 |
| RE DISCCART | -63.64  | 148.49 | 1.2 |
| RE DISCCART | -70.71  | 141.42 | 1.2 |
| RE DISCCART | -77.78  | 134.35 | 1.2 |



RE DISCCART -84.85 127.28 1.2  
 RE DISCCART -88.39 123.74 1.2  
 RE DISCCART -91.92 120.21 1.2  
 RE DISCCART -94.05 118.09 1.2  
 RE DISCCART -95.46 116.67 1.2  
 RE DISCCART -96.87 115.26 1.2  
 RE DISCCART -98.29 113.84 1.2  
 RE DISCCART -99.7 112.43 1.2  
 RE DISCCART -112.43 99.7 1.2  
 RE DISCCART -113.84 98.29 1.2  
 RE DISCCART -115.26 96.87 1.2  
 RE DISCCART -116.67 95.46 1.2  
 RE DISCCART -118.09 94.05 1.2  
 RE DISCCART -120.21 91.92 1.2  
 RE DISCCART -123.74 88.39 1.2  
 RE DISCCART -127.28 84.85 1.2  
 RE DISCCART -134.35 77.78 1.2  
 RE DISCCART -141.42 70.71 1.2  
 RE DISCCART -148.49 63.64 1.2  
 RE DISCCART -155.56 56.57 1.2  
 RE DISCCART -162.63 49.5 1.2  
 RE DISCCART -169.71 42.43 1.2  
 RE DISCCART -176.78 35.36 1.2  
 RE DISCCART -28.28 169.71 1.2  
 RE DISCCART -35.36 162.63 1.2  
 RE DISCCART -42.43 155.56 1.2  
 RE DISCCART -49.5 148.49 1.2  
 RE DISCCART -56.57 141.42 1.2  
 RE DISCCART -63.64 134.35 1.2  
 RE DISCCART -70.71 127.28 1.2  
 RE DISCCART -77.78 120.21 1.2  
 RE DISCCART -81.32 116.67 1.2  
 RE DISCCART -84.85 113.14 1.2  
 RE DISCCART -86.97 111.02 1.2  
 RE DISCCART -88.39 109.6 1.2  
 RE DISCCART -89.8 108.19 1.2  
 RE DISCCART -91.22 106.77 1.2  
 RE DISCCART -92.63 105.36 1.2  
 RE DISCCART -105.36 92.63 1.2  
 RE DISCCART -106.77 91.22 1.2  
 RE DISCCART -108.19 89.8 1.2  
 RE DISCCART -109.6 88.39 1.2  
 RE DISCCART -111.02 86.97 1.2  
 RE DISCCART -113.14 84.85 1.2

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | -116.67 | 81.32  | 1.2 |
| RE DISCCART | -120.21 | 77.78  | 1.2 |
| RE DISCCART | -127.28 | 70.71  | 1.2 |
| RE DISCCART | -134.35 | 63.64  | 1.2 |
| RE DISCCART | -141.42 | 56.57  | 1.2 |
| RE DISCCART | -148.49 | 49.5   | 1.2 |
| RE DISCCART | -155.56 | 42.43  | 1.2 |
| RE DISCCART | -162.63 | 35.36  | 1.2 |
| RE DISCCART | -169.71 | 28.28  | 1.2 |
| RE DISCCART | -21.21  | 162.63 | 1.2 |
| RE DISCCART | -28.28  | 155.56 | 1.2 |
| RE DISCCART | -35.36  | 148.49 | 1.2 |
| RE DISCCART | -42.43  | 141.42 | 1.2 |
| RE DISCCART | -49.5   | 134.35 | 1.2 |
| RE DISCCART | -56.57  | 127.28 | 1.2 |
| RE DISCCART | -63.64  | 120.21 | 1.2 |
| RE DISCCART | -70.71  | 113.14 | 1.2 |
| RE DISCCART | -74.25  | 109.6  | 1.2 |
| RE DISCCART | -77.78  | 106.07 | 1.2 |
| RE DISCCART | -79.9   | 103.94 | 1.2 |
| RE DISCCART | -81.32  | 102.53 | 1.2 |
| RE DISCCART | -82.73  | 101.12 | 1.2 |
| RE DISCCART | -84.15  | 99.7   | 1.2 |
| RE DISCCART | -85.56  | 98.29  | 1.2 |
| RE DISCCART | -98.29  | 85.56  | 1.2 |
| RE DISCCART | -99.7   | 84.15  | 1.2 |
| RE DISCCART | -101.12 | 82.73  | 1.2 |
| RE DISCCART | -102.53 | 81.32  | 1.2 |
| RE DISCCART | -103.94 | 79.9   | 1.2 |
| RE DISCCART | -106.07 | 77.78  | 1.2 |
| RE DISCCART | -109.6  | 74.25  | 1.2 |
| RE DISCCART | -113.14 | 70.71  | 1.2 |
| RE DISCCART | -120.21 | 63.64  | 1.2 |
| RE DISCCART | -127.28 | 56.57  | 1.2 |
| RE DISCCART | -134.35 | 49.5   | 1.2 |
| RE DISCCART | -141.42 | 42.43  | 1.2 |
| RE DISCCART | -148.49 | 35.36  | 1.2 |
| RE DISCCART | -155.56 | 28.28  | 1.2 |
| RE DISCCART | -162.63 | 21.21  | 1.2 |
| RE DISCCART | -14.14  | 155.56 | 1.2 |
| RE DISCCART | -21.21  | 148.49 | 1.2 |
| RE DISCCART | -28.28  | 141.42 | 1.2 |
| RE DISCCART | -35.36  | 134.35 | 1.2 |
| RE DISCCART | -42.43  | 127.28 | 1.2 |

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | -49.5   | 120.21 | 1.2 |
| RE DISCCART | -56.57  | 113.14 | 1.2 |
| RE DISCCART | -63.64  | 106.07 | 1.2 |
| RE DISCCART | -67.18  | 102.53 | 1.2 |
| RE DISCCART | -70.71  | 98.99  | 1.2 |
| RE DISCCART | -72.83  | 96.87  | 1.2 |
| RE DISCCART | -74.25  | 95.46  | 1.2 |
| RE DISCCART | -75.66  | 94.05  | 1.2 |
| RE DISCCART | -77.07  | 92.63  | 1.2 |
| RE DISCCART | -78.49  | 91.22  | 1.2 |
| RE DISCCART | -91.22  | 78.49  | 1.2 |
| RE DISCCART | -92.63  | 77.07  | 1.2 |
| RE DISCCART | -94.05  | 75.66  | 1.2 |
| RE DISCCART | -95.46  | 74.25  | 1.2 |
| RE DISCCART | -96.87  | 72.83  | 1.2 |
| RE DISCCART | -98.99  | 70.71  | 1.2 |
| RE DISCCART | -102.53 | 67.18  | 1.2 |
| RE DISCCART | -106.07 | 63.64  | 1.2 |
| RE DISCCART | -113.14 | 56.57  | 1.2 |
| RE DISCCART | -120.21 | 49.5   | 1.2 |
| RE DISCCART | -127.28 | 42.43  | 1.2 |
| RE DISCCART | -134.35 | 35.36  | 1.2 |
| RE DISCCART | -141.42 | 28.28  | 1.2 |
| RE DISCCART | -148.49 | 21.21  | 1.2 |
| RE DISCCART | -155.56 | 14.14  | 1.2 |
| RE DISCCART | -7.07   | 148.49 | 1.2 |
| RE DISCCART | -14.14  | 141.42 | 1.2 |
| RE DISCCART | -21.21  | 134.35 | 1.2 |
| RE DISCCART | -28.28  | 127.28 | 1.2 |
| RE DISCCART | -35.36  | 120.21 | 1.2 |
| RE DISCCART | -42.43  | 113.14 | 1.2 |
| RE DISCCART | -49.5   | 106.07 | 1.2 |
| RE DISCCART | -56.57  | 98.99  | 1.2 |
| RE DISCCART | -60.1   | 95.46  | 1.2 |
| RE DISCCART | -63.64  | 91.92  | 1.2 |
| RE DISCCART | -65.76  | 89.8   | 1.2 |
| RE DISCCART | -67.18  | 88.39  | 1.2 |
| RE DISCCART | -68.59  | 86.97  | 1.2 |
| RE DISCCART | -70.0   | 85.56  | 1.2 |
| RE DISCCART | -71.42  | 84.15  | 1.2 |
| RE DISCCART | -84.15  | 71.42  | 1.2 |
| RE DISCCART | -85.56  | 70.0   | 1.2 |
| RE DISCCART | -86.97  | 68.59  | 1.2 |
| RE DISCCART | -88.39  | 67.18  | 1.2 |

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | -89.8   | 65.76  | 1.2 |
| RE DISCCART | -91.92  | 63.64  | 1.2 |
| RE DISCCART | -95.46  | 60.1   | 1.2 |
| RE DISCCART | -98.99  | 56.57  | 1.2 |
| RE DISCCART | -106.07 | 49.5   | 1.2 |
| RE DISCCART | -113.14 | 42.43  | 1.2 |
| RE DISCCART | -120.21 | 35.36  | 1.2 |
| RE DISCCART | -127.28 | 28.28  | 1.2 |
| RE DISCCART | -134.35 | 21.21  | 1.2 |
| RE DISCCART | -141.42 | 14.14  | 1.2 |
| RE DISCCART | -148.49 | 7.07   | 1.2 |
| RE DISCCART | 0.0     | 141.42 | 1.2 |
| RE DISCCART | -7.07   | 134.35 | 1.2 |
| RE DISCCART | -14.14  | 127.28 | 1.2 |
| RE DISCCART | -21.21  | 120.21 | 1.2 |
| RE DISCCART | -28.28  | 113.14 | 1.2 |
| RE DISCCART | -35.36  | 106.07 | 1.2 |
| RE DISCCART | -42.43  | 98.99  | 1.2 |
| RE DISCCART | -49.5   | 91.92  | 1.2 |
| RE DISCCART | -53.03  | 88.39  | 1.2 |
| RE DISCCART | -56.57  | 84.85  | 1.2 |
| RE DISCCART | -58.69  | 82.73  | 1.2 |
| RE DISCCART | -60.1   | 81.32  | 1.2 |
| RE DISCCART | -61.52  | 79.9   | 1.2 |
| RE DISCCART | -62.93  | 78.49  | 1.2 |
| RE DISCCART | -64.35  | 77.07  | 1.2 |
| RE DISCCART | -77.07  | 64.35  | 1.2 |
| RE DISCCART | -78.49  | 62.93  | 1.2 |
| RE DISCCART | -79.9   | 61.52  | 1.2 |
| RE DISCCART | -81.32  | 60.1   | 1.2 |
| RE DISCCART | -82.73  | 58.69  | 1.2 |
| RE DISCCART | -84.85  | 56.57  | 1.2 |
| RE DISCCART | -88.39  | 53.03  | 1.2 |
| RE DISCCART | -91.92  | 49.5   | 1.2 |
| RE DISCCART | -98.99  | 42.43  | 1.2 |
| RE DISCCART | -106.07 | 35.36  | 1.2 |
| RE DISCCART | -113.14 | 28.28  | 1.2 |
| RE DISCCART | -120.21 | 21.21  | 1.2 |
| RE DISCCART | -127.28 | 14.14  | 1.2 |
| RE DISCCART | -134.35 | 7.07   | 1.2 |
| RE DISCCART | -141.42 | 0.0    | 1.2 |
| RE DISCCART | 7.07    | 134.35 | 1.2 |
| RE DISCCART | 0.0     | 127.28 | 1.2 |
| RE DISCCART | -7.07   | 120.21 | 1.2 |

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | -14.14  | 113.14 | 1.2 |
| RE DISCCART | -21.21  | 106.07 | 1.2 |
| RE DISCCART | -28.28  | 98.99  | 1.2 |
| RE DISCCART | -35.36  | 91.92  | 1.2 |
| RE DISCCART | -42.43  | 84.85  | 1.2 |
| RE DISCCART | -45.96  | 81.32  | 1.2 |
| RE DISCCART | -49.5   | 77.78  | 1.2 |
| RE DISCCART | -51.62  | 75.66  | 1.2 |
| RE DISCCART | -53.03  | 74.25  | 1.2 |
| RE DISCCART | -54.45  | 72.83  | 1.2 |
| RE DISCCART | -55.86  | 71.42  | 1.2 |
| RE DISCCART | -57.28  | 70.0   | 1.2 |
| RE DISCCART | -70.0   | 57.28  | 1.2 |
| RE DISCCART | -71.42  | 55.86  | 1.2 |
| RE DISCCART | -72.83  | 54.45  | 1.2 |
| RE DISCCART | -74.25  | 53.03  | 1.2 |
| RE DISCCART | -75.66  | 51.62  | 1.2 |
| RE DISCCART | -77.78  | 49.5   | 1.2 |
| RE DISCCART | -81.32  | 45.96  | 1.2 |
| RE DISCCART | -84.85  | 42.43  | 1.2 |
| RE DISCCART | -91.92  | 35.36  | 1.2 |
| RE DISCCART | -98.99  | 28.28  | 1.2 |
| RE DISCCART | -106.07 | 21.21  | 1.2 |
| RE DISCCART | -113.14 | 14.14  | 1.2 |
| RE DISCCART | -120.21 | 7.07   | 1.2 |
| RE DISCCART | -127.28 | 0.0    | 1.2 |
| RE DISCCART | -134.35 | -7.07  | 1.2 |
| RE DISCCART | 14.14   | 127.28 | 1.2 |
| RE DISCCART | 7.07    | 120.21 | 1.2 |
| RE DISCCART | 0.0     | 113.14 | 1.2 |
| RE DISCCART | -7.07   | 106.07 | 1.2 |
| RE DISCCART | -14.14  | 98.99  | 1.2 |
| RE DISCCART | -21.21  | 91.92  | 1.2 |
| RE DISCCART | -28.28  | 84.85  | 1.2 |
| RE DISCCART | -35.36  | 77.78  | 1.2 |
| RE DISCCART | -38.89  | 74.25  | 1.2 |
| RE DISCCART | -42.43  | 70.71  | 1.2 |
| RE DISCCART | -44.55  | 68.59  | 1.2 |
| RE DISCCART | -45.96  | 67.18  | 1.2 |
| RE DISCCART | -47.38  | 65.76  | 1.2 |
| RE DISCCART | -48.79  | 64.35  | 1.2 |
| RE DISCCART | -50.2   | 62.93  | 1.2 |
| RE DISCCART | -62.93  | 50.2   | 1.2 |
| RE DISCCART | -64.35  | 48.79  | 1.2 |

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | -65.76  | 47.38  | 1.2 |
| RE DISCCART | -67.18  | 45.96  | 1.2 |
| RE DISCCART | -68.59  | 44.55  | 1.2 |
| RE DISCCART | -70.71  | 42.43  | 1.2 |
| RE DISCCART | -74.25  | 38.89  | 1.2 |
| RE DISCCART | -77.78  | 35.36  | 1.2 |
| RE DISCCART | -84.85  | 28.28  | 1.2 |
| RE DISCCART | -91.92  | 21.21  | 1.2 |
| RE DISCCART | -98.99  | 14.14  | 1.2 |
| RE DISCCART | -106.07 | 7.07   | 1.2 |
| RE DISCCART | -113.14 | 0.0    | 1.2 |
| RE DISCCART | -120.21 | -7.07  | 1.2 |
| RE DISCCART | -127.28 | -14.14 | 1.2 |
| RE DISCCART | 21.21   | 120.21 | 1.2 |
| RE DISCCART | 14.14   | 113.14 | 1.2 |
| RE DISCCART | 7.07    | 106.07 | 1.2 |
| RE DISCCART | 0.0     | 98.99  | 1.2 |
| RE DISCCART | -7.07   | 91.92  | 1.2 |
| RE DISCCART | -14.14  | 84.85  | 1.2 |
| RE DISCCART | -21.21  | 77.78  | 1.2 |
| RE DISCCART | -28.28  | 70.71  | 1.2 |
| RE DISCCART | -31.82  | 67.18  | 1.2 |
| RE DISCCART | -35.36  | 63.64  | 1.2 |
| RE DISCCART | -37.48  | 61.52  | 1.2 |
| RE DISCCART | -38.89  | 60.1   | 1.2 |
| RE DISCCART | -40.31  | 58.69  | 1.2 |
| RE DISCCART | -41.72  | 57.28  | 1.2 |
| RE DISCCART | -43.13  | 55.86  | 1.2 |
| RE DISCCART | -55.86  | 43.13  | 1.2 |
| RE DISCCART | -57.28  | 41.72  | 1.2 |
| RE DISCCART | -58.69  | 40.31  | 1.2 |
| RE DISCCART | -60.1   | 38.89  | 1.2 |
| RE DISCCART | -61.52  | 37.48  | 1.2 |
| RE DISCCART | -63.64  | 35.36  | 1.2 |
| RE DISCCART | -67.18  | 31.82  | 1.2 |
| RE DISCCART | -70.71  | 28.28  | 1.2 |
| RE DISCCART | -77.78  | 21.21  | 1.2 |
| RE DISCCART | -84.85  | 14.14  | 1.2 |
| RE DISCCART | -91.92  | 7.07   | 1.2 |
| RE DISCCART | -98.99  | 0.0    | 1.2 |
| RE DISCCART | -106.07 | -7.07  | 1.2 |
| RE DISCCART | -113.14 | -14.14 | 1.2 |
| RE DISCCART | -120.21 | -21.21 | 1.2 |
| RE DISCCART | 28.28   | 113.14 | 1.2 |

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | 21.21   | 106.07 | 1.2 |
| RE DISCCART | 14.14   | 98.99  | 1.2 |
| RE DISCCART | 7.07    | 91.92  | 1.2 |
| RE DISCCART | 0.0     | 84.85  | 1.2 |
| RE DISCCART | -7.07   | 77.78  | 1.2 |
| RE DISCCART | -14.14  | 70.71  | 1.2 |
| RE DISCCART | -21.21  | 63.64  | 1.2 |
| RE DISCCART | -24.75  | 60.1   | 1.2 |
| RE DISCCART | -28.28  | 56.57  | 1.2 |
| RE DISCCART | -30.41  | 54.45  | 1.2 |
| RE DISCCART | -31.82  | 53.03  | 1.2 |
| RE DISCCART | -33.23  | 51.62  | 1.2 |
| RE DISCCART | -34.65  | 50.2   | 1.2 |
| RE DISCCART | -36.06  | 48.79  | 1.2 |
| RE DISCCART | -48.79  | 36.06  | 1.2 |
| RE DISCCART | -50.2   | 34.65  | 1.2 |
| RE DISCCART | -51.62  | 33.23  | 1.2 |
| RE DISCCART | -53.03  | 31.82  | 1.2 |
| RE DISCCART | -54.45  | 30.41  | 1.2 |
| RE DISCCART | -56.57  | 28.28  | 1.2 |
| RE DISCCART | -60.1   | 24.75  | 1.2 |
| RE DISCCART | -63.64  | 21.21  | 1.2 |
| RE DISCCART | -70.71  | 14.14  | 1.2 |
| RE DISCCART | -77.78  | 7.07   | 1.2 |
| RE DISCCART | -84.85  | 0.0    | 1.2 |
| RE DISCCART | -91.92  | -7.07  | 1.2 |
| RE DISCCART | -98.99  | -14.14 | 1.2 |
| RE DISCCART | -106.07 | -21.21 | 1.2 |
| RE DISCCART | -113.14 | -28.28 | 1.2 |
| RE DISCCART | 35.36   | 106.07 | 1.2 |
| RE DISCCART | 28.28   | 98.99  | 1.2 |
| RE DISCCART | 21.21   | 91.92  | 1.2 |
| RE DISCCART | 14.14   | 84.85  | 1.2 |
| RE DISCCART | 7.07    | 77.78  | 1.2 |
| RE DISCCART | 0.0     | 70.71  | 1.2 |
| RE DISCCART | -7.07   | 63.64  | 1.2 |
| RE DISCCART | -14.14  | 56.57  | 1.2 |
| RE DISCCART | -17.68  | 53.03  | 1.2 |
| RE DISCCART | -21.21  | 49.5   | 1.2 |
| RE DISCCART | -23.33  | 47.38  | 1.2 |
| RE DISCCART | -24.75  | 45.96  | 1.2 |
| RE DISCCART | -26.16  | 44.55  | 1.2 |
| RE DISCCART | -27.58  | 43.13  | 1.2 |
| RE DISCCART | -28.99  | 41.72  | 1.2 |

|             |         |        |     |
|-------------|---------|--------|-----|
| RE DISCCART | -41.72  | 28.99  | 1.2 |
| RE DISCCART | -43.13  | 27.58  | 1.2 |
| RE DISCCART | -44.55  | 26.16  | 1.2 |
| RE DISCCART | -45.96  | 24.75  | 1.2 |
| RE DISCCART | -47.38  | 23.33  | 1.2 |
| RE DISCCART | -49.5   | 21.21  | 1.2 |
| RE DISCCART | -53.03  | 17.68  | 1.2 |
| RE DISCCART | -56.57  | 14.14  | 1.2 |
| RE DISCCART | -63.64  | 7.07   | 1.2 |
| RE DISCCART | -70.71  | 0.0    | 1.2 |
| RE DISCCART | -77.78  | -7.07  | 1.2 |
| RE DISCCART | -84.85  | -14.14 | 1.2 |
| RE DISCCART | -91.92  | -21.21 | 1.2 |
| RE DISCCART | -98.99  | -28.28 | 1.2 |
| RE DISCCART | -106.07 | -35.36 | 1.2 |
| RE DISCCART | 42.43   | 98.99  | 1.2 |
| RE DISCCART | 35.36   | 91.92  | 1.2 |
| RE DISCCART | 28.28   | 84.85  | 1.2 |
| RE DISCCART | 21.21   | 77.78  | 1.2 |
| RE DISCCART | 14.14   | 70.71  | 1.2 |
| RE DISCCART | 7.07    | 63.64  | 1.2 |
| RE DISCCART | 0.0     | 56.57  | 1.2 |
| RE DISCCART | -7.07   | 49.5   | 1.2 |
| RE DISCCART | -10.61  | 45.96  | 1.2 |
| RE DISCCART | -14.14  | 42.43  | 1.2 |
| RE DISCCART | -16.26  | 40.31  | 1.2 |
| RE DISCCART | -17.68  | 38.89  | 1.2 |
| RE DISCCART | -19.09  | 37.48  | 1.2 |
| RE DISCCART | -20.51  | 36.06  | 1.2 |
| RE DISCCART | -21.92  | 34.65  | 1.2 |
| RE DISCCART | -34.65  | 21.92  | 1.2 |
| RE DISCCART | -36.06  | 20.51  | 1.2 |
| RE DISCCART | -37.48  | 19.09  | 1.2 |
| RE DISCCART | -38.89  | 17.68  | 1.2 |
| RE DISCCART | -40.31  | 16.26  | 1.2 |
| RE DISCCART | -42.43  | 14.14  | 1.2 |
| RE DISCCART | -45.96  | 10.61  | 1.2 |
| RE DISCCART | -49.5   | 7.07   | 1.2 |
| RE DISCCART | -56.57  | 0.0    | 1.2 |
| RE DISCCART | -63.64  | -7.07  | 1.2 |
| RE DISCCART | -70.71  | -14.14 | 1.2 |
| RE DISCCART | -77.78  | -21.21 | 1.2 |
| RE DISCCART | -84.85  | -28.28 | 1.2 |
| RE DISCCART | -91.92  | -35.36 | 1.2 |



|             |        |        |     |
|-------------|--------|--------|-----|
| RE DISCCART | -98.99 | -42.43 | 1.2 |
| RE DISCCART | 49.5   | 91.92  | 1.2 |
| RE DISCCART | 42.43  | 84.85  | 1.2 |
| RE DISCCART | 35.36  | 77.78  | 1.2 |
| RE DISCCART | 28.28  | 70.71  | 1.2 |
| RE DISCCART | 21.21  | 63.64  | 1.2 |
| RE DISCCART | 14.14  | 56.57  | 1.2 |
| RE DISCCART | 7.07   | 49.5   | 1.2 |
| RE DISCCART | 0.0    | 42.43  | 1.2 |
| RE DISCCART | -3.54  | 38.89  | 1.2 |
| RE DISCCART | -7.07  | 35.36  | 1.2 |
| RE DISCCART | -9.19  | 33.23  | 1.2 |
| RE DISCCART | -10.61 | 31.82  | 1.2 |
| RE DISCCART | -12.02 | 30.41  | 1.2 |
| RE DISCCART | -13.44 | 28.99  | 1.2 |
| RE DISCCART | -14.85 | 27.58  | 1.2 |
| RE DISCCART | -27.58 | 14.85  | 1.2 |
| RE DISCCART | -28.99 | 13.44  | 1.2 |
| RE DISCCART | -30.41 | 12.02  | 1.2 |
| RE DISCCART | -31.82 | 10.61  | 1.2 |
| RE DISCCART | -33.23 | 9.19   | 1.2 |
| RE DISCCART | -35.36 | 7.07   | 1.2 |
| RE DISCCART | -38.89 | 3.54   | 1.2 |
| RE DISCCART | -42.43 | 0.0    | 1.2 |
| RE DISCCART | -49.5  | -7.07  | 1.2 |
| RE DISCCART | -56.57 | -14.14 | 1.2 |
| RE DISCCART | -63.64 | -21.21 | 1.2 |
| RE DISCCART | -70.71 | -28.28 | 1.2 |
| RE DISCCART | -77.78 | -35.36 | 1.2 |
| RE DISCCART | -84.85 | -42.43 | 1.2 |
| RE DISCCART | -91.92 | -49.5  | 1.2 |
| RE DISCCART | 56.57  | 84.85  | 1.2 |
| RE DISCCART | 49.5   | 77.78  | 1.2 |
| RE DISCCART | 42.43  | 70.71  | 1.2 |
| RE DISCCART | 35.36  | 63.64  | 1.2 |
| RE DISCCART | 28.28  | 56.57  | 1.2 |
| RE DISCCART | 21.21  | 49.5   | 1.2 |
| RE DISCCART | 14.14  | 42.43  | 1.2 |
| RE DISCCART | 7.07   | 35.36  | 1.2 |
| RE DISCCART | 3.54   | 31.82  | 1.2 |
| RE DISCCART | 0.0    | 28.28  | 1.2 |
| RE DISCCART | -2.12  | 26.16  | 1.2 |
| RE DISCCART | -3.54  | 24.75  | 1.2 |
| RE DISCCART | -4.95  | 23.33  | 1.2 |

|             |        |        |     |
|-------------|--------|--------|-----|
| RE DISCCART | -6.36  | 21.92  | 1.2 |
| RE DISCCART | -7.78  | 20.51  | 1.2 |
| RE DISCCART | -20.51 | 7.78   | 1.2 |
| RE DISCCART | -21.92 | 6.36   | 1.2 |
| RE DISCCART | -23.33 | 4.95   | 1.2 |
| RE DISCCART | -24.75 | 3.54   | 1.2 |
| RE DISCCART | -26.16 | 2.12   | 1.2 |
| RE DISCCART | -28.28 | 0.0    | 1.2 |
| RE DISCCART | -31.82 | -3.54  | 1.2 |
| RE DISCCART | -35.36 | -7.07  | 1.2 |
| RE DISCCART | -42.43 | -14.14 | 1.2 |
| RE DISCCART | -49.5  | -21.21 | 1.2 |
| RE DISCCART | -56.57 | -28.28 | 1.2 |
| RE DISCCART | -63.64 | -35.36 | 1.2 |
| RE DISCCART | -70.71 | -42.43 | 1.2 |
| RE DISCCART | -77.78 | -49.5  | 1.2 |
| RE DISCCART | -84.85 | -56.57 | 1.2 |
| RE DISCCART | 63.64  | 77.78  | 1.2 |
| RE DISCCART | 56.57  | 70.71  | 1.2 |
| RE DISCCART | 49.5   | 63.64  | 1.2 |
| RE DISCCART | 42.43  | 56.57  | 1.2 |
| RE DISCCART | 35.36  | 49.5   | 1.2 |
| RE DISCCART | 28.28  | 42.43  | 1.2 |
| RE DISCCART | 21.21  | 35.36  | 1.2 |
| RE DISCCART | 14.14  | 28.28  | 1.2 |
| RE DISCCART | 10.61  | 24.75  | 1.2 |
| RE DISCCART | 7.07   | 21.21  | 1.2 |
| RE DISCCART | 4.95   | 19.09  | 1.2 |
| RE DISCCART | 3.54   | 17.68  | 1.2 |
| RE DISCCART | 2.12   | 16.26  | 1.2 |
| RE DISCCART | 0.71   | 14.85  | 1.2 |
| RE DISCCART | -0.71  | 13.44  | 1.2 |
| RE DISCCART | -13.44 | 0.71   | 1.2 |
| RE DISCCART | -14.85 | -0.71  | 1.2 |
| RE DISCCART | -16.26 | -2.12  | 1.2 |
| RE DISCCART | -17.68 | -3.54  | 1.2 |
| RE DISCCART | -19.09 | -4.95  | 1.2 |
| RE DISCCART | -21.21 | -7.07  | 1.2 |
| RE DISCCART | -24.75 | -10.61 | 1.2 |
| RE DISCCART | -28.28 | -14.14 | 1.2 |
| RE DISCCART | -35.36 | -21.21 | 1.2 |
| RE DISCCART | -42.43 | -28.28 | 1.2 |
| RE DISCCART | -49.5  | -35.36 | 1.2 |
| RE DISCCART | -56.57 | -42.43 | 1.2 |

|             |        |        |     |
|-------------|--------|--------|-----|
| RE DISCCART | -63.64 | -49.5  | 1.2 |
| RE DISCCART | -70.71 | -56.57 | 1.2 |
| RE DISCCART | -77.78 | -63.64 | 1.2 |
| RE DISCCART | 70.71  | 70.71  | 1.2 |
| RE DISCCART | 63.64  | 63.64  | 1.2 |
| RE DISCCART | 56.57  | 56.57  | 1.2 |
| RE DISCCART | 49.5   | 49.5   | 1.2 |
| RE DISCCART | 42.43  | 42.43  | 1.2 |
| RE DISCCART | 35.36  | 35.36  | 1.2 |
| RE DISCCART | 28.28  | 28.28  | 1.2 |
| RE DISCCART | 21.21  | 21.21  | 1.2 |
| RE DISCCART | 17.68  | 17.68  | 1.2 |
| RE DISCCART | 14.14  | 14.14  | 1.2 |
| RE DISCCART | 12.02  | 12.02  | 1.2 |
| RE DISCCART | 10.61  | 10.61  | 1.2 |
| RE DISCCART | 9.19   | 9.19   | 1.2 |
| RE DISCCART | 7.78   | 7.78   | 1.2 |
| RE DISCCART | 6.36   | 6.36   | 1.2 |
| RE DISCCART | -6.36  | -6.36  | 1.2 |
| RE DISCCART | -7.78  | -7.78  | 1.2 |
| RE DISCCART | -9.19  | -9.19  | 1.2 |
| RE DISCCART | -10.61 | -10.61 | 1.2 |
| RE DISCCART | -12.02 | -12.02 | 1.2 |
| RE DISCCART | -14.14 | -14.14 | 1.2 |
| RE DISCCART | -17.68 | -17.68 | 1.2 |
| RE DISCCART | -21.21 | -21.21 | 1.2 |
| RE DISCCART | -28.28 | -28.28 | 1.2 |
| RE DISCCART | -35.36 | -35.36 | 1.2 |
| RE DISCCART | -42.43 | -42.43 | 1.2 |
| RE DISCCART | -49.5  | -49.5  | 1.2 |
| RE DISCCART | -56.57 | -56.57 | 1.2 |
| RE DISCCART | -63.64 | -63.64 | 1.2 |
| RE DISCCART | -70.71 | -70.71 | 1.2 |
| RE DISCCART | 77.78  | 63.64  | 1.2 |
| RE DISCCART | 70.71  | 56.57  | 1.2 |
| RE DISCCART | 63.64  | 49.5   | 1.2 |
| RE DISCCART | 56.57  | 42.43  | 1.2 |
| RE DISCCART | 49.5   | 35.36  | 1.2 |
| RE DISCCART | 42.43  | 28.28  | 1.2 |
| RE DISCCART | 35.36  | 21.21  | 1.2 |
| RE DISCCART | 28.28  | 14.14  | 1.2 |
| RE DISCCART | 24.75  | 10.61  | 1.2 |
| RE DISCCART | 21.21  | 7.07   | 1.2 |
| RE DISCCART | 19.09  | 4.95   | 1.2 |

|             |        |        |     |
|-------------|--------|--------|-----|
| RE DISCCART | 17.68  | 3.54   | 1.2 |
| RE DISCCART | 16.26  | 2.12   | 1.2 |
| RE DISCCART | 14.85  | 0.71   | 1.2 |
| RE DISCCART | 13.44  | -0.71  | 1.2 |
| RE DISCCART | 0.71   | -13.44 | 1.2 |
| RE DISCCART | -0.71  | -14.85 | 1.2 |
| RE DISCCART | -2.12  | -16.26 | 1.2 |
| RE DISCCART | -3.54  | -17.68 | 1.2 |
| RE DISCCART | -4.95  | -19.09 | 1.2 |
| RE DISCCART | -7.07  | -21.21 | 1.2 |
| RE DISCCART | -10.61 | -24.75 | 1.2 |
| RE DISCCART | -14.14 | -28.28 | 1.2 |
| RE DISCCART | -21.21 | -35.36 | 1.2 |
| RE DISCCART | -28.28 | -42.43 | 1.2 |
| RE DISCCART | -35.36 | -49.5  | 1.2 |
| RE DISCCART | -42.43 | -56.57 | 1.2 |
| RE DISCCART | -49.5  | -63.64 | 1.2 |
| RE DISCCART | -56.57 | -70.71 | 1.2 |
| RE DISCCART | -63.64 | -77.78 | 1.2 |
| RE DISCCART | 84.85  | 56.57  | 1.2 |
| RE DISCCART | 77.78  | 49.5   | 1.2 |
| RE DISCCART | 70.71  | 42.43  | 1.2 |
| RE DISCCART | 63.64  | 35.36  | 1.2 |
| RE DISCCART | 56.57  | 28.28  | 1.2 |
| RE DISCCART | 49.5   | 21.21  | 1.2 |
| RE DISCCART | 42.43  | 14.14  | 1.2 |
| RE DISCCART | 35.36  | 7.07   | 1.2 |
| RE DISCCART | 31.82  | 3.54   | 1.2 |
| RE DISCCART | 28.28  | 0.0    | 1.2 |
| RE DISCCART | 26.16  | -2.12  | 1.2 |
| RE DISCCART | 24.75  | -3.54  | 1.2 |
| RE DISCCART | 23.33  | -4.95  | 1.2 |
| RE DISCCART | 21.92  | -6.36  | 1.2 |
| RE DISCCART | 20.51  | -7.78  | 1.2 |
| RE DISCCART | 7.78   | -20.51 | 1.2 |
| RE DISCCART | 6.36   | -21.92 | 1.2 |
| RE DISCCART | 4.95   | -23.33 | 1.2 |
| RE DISCCART | 3.54   | -24.75 | 1.2 |
| RE DISCCART | 2.12   | -26.16 | 1.2 |
| RE DISCCART | 0.0    | -28.28 | 1.2 |
| RE DISCCART | -3.54  | -31.82 | 1.2 |
| RE DISCCART | -7.07  | -35.36 | 1.2 |
| RE DISCCART | -14.14 | -42.43 | 1.2 |
| RE DISCCART | -21.21 | -49.5  | 1.2 |

|             |        |        |     |
|-------------|--------|--------|-----|
| RE DISCCART | -28.28 | -56.57 | 1.2 |
| RE DISCCART | -35.36 | -63.64 | 1.2 |
| RE DISCCART | -42.43 | -70.71 | 1.2 |
| RE DISCCART | -49.5  | -77.78 | 1.2 |
| RE DISCCART | -56.57 | -84.85 | 1.2 |
| RE DISCCART | 91.92  | 49.5   | 1.2 |
| RE DISCCART | 84.85  | 42.43  | 1.2 |
| RE DISCCART | 77.78  | 35.36  | 1.2 |
| RE DISCCART | 70.71  | 28.28  | 1.2 |
| RE DISCCART | 63.64  | 21.21  | 1.2 |
| RE DISCCART | 56.57  | 14.14  | 1.2 |
| RE DISCCART | 49.5   | 7.07   | 1.2 |
| RE DISCCART | 42.43  | 0.0    | 1.2 |
| RE DISCCART | 38.89  | -3.54  | 1.2 |
| RE DISCCART | 35.36  | -7.07  | 1.2 |
| RE DISCCART | 33.23  | -9.19  | 1.2 |
| RE DISCCART | 31.82  | -10.61 | 1.2 |
| RE DISCCART | 30.41  | -12.02 | 1.2 |
| RE DISCCART | 28.99  | -13.44 | 1.2 |
| RE DISCCART | 27.58  | -14.85 | 1.2 |
| RE DISCCART | 14.85  | -27.58 | 1.2 |
| RE DISCCART | 13.44  | -28.99 | 1.2 |
| RE DISCCART | 12.02  | -30.41 | 1.2 |
| RE DISCCART | 10.61  | -31.82 | 1.2 |
| RE DISCCART | 9.19   | -33.23 | 1.2 |
| RE DISCCART | 7.07   | -35.36 | 1.2 |
| RE DISCCART | 3.54   | -38.89 | 1.2 |
| RE DISCCART | 0.0    | -42.43 | 1.2 |
| RE DISCCART | -7.07  | -49.5  | 1.2 |
| RE DISCCART | -14.14 | -56.57 | 1.2 |
| RE DISCCART | -21.21 | -63.64 | 1.2 |
| RE DISCCART | -28.28 | -70.71 | 1.2 |
| RE DISCCART | -35.36 | -77.78 | 1.2 |
| RE DISCCART | -42.43 | -84.85 | 1.2 |
| RE DISCCART | -49.5  | -91.92 | 1.2 |
| RE DISCCART | 98.99  | 42.43  | 1.2 |
| RE DISCCART | 91.92  | 35.36  | 1.2 |
| RE DISCCART | 84.85  | 28.28  | 1.2 |
| RE DISCCART | 77.78  | 21.21  | 1.2 |
| RE DISCCART | 70.71  | 14.14  | 1.2 |
| RE DISCCART | 63.64  | 7.07   | 1.2 |
| RE DISCCART | 56.57  | 0.0    | 1.2 |
| RE DISCCART | 49.5   | -7.07  | 1.2 |
| RE DISCCART | 45.96  | -10.61 | 1.2 |

|             |        |        |     |
|-------------|--------|--------|-----|
| RE DISCCART | 42.43  | -14.14 | 1.2 |
| RE DISCCART | 40.31  | -16.26 | 1.2 |
| RE DISCCART | 38.89  | -17.68 | 1.2 |
| RE DISCCART | 37.48  | -19.09 | 1.2 |
| RE DISCCART | 36.06  | -20.51 | 1.2 |
| RE DISCCART | 34.65  | -21.92 | 1.2 |
| RE DISCCART | 21.92  | -34.65 | 1.2 |
| RE DISCCART | 20.51  | -36.06 | 1.2 |
| RE DISCCART | 19.09  | -37.48 | 1.2 |
| RE DISCCART | 17.68  | -38.89 | 1.2 |
| RE DISCCART | 16.26  | -40.31 | 1.2 |
| RE DISCCART | 14.14  | -42.43 | 1.2 |
| RE DISCCART | 10.61  | -45.96 | 1.2 |
| RE DISCCART | 7.07   | -49.5  | 1.2 |
| RE DISCCART | 0.0    | -56.57 | 1.2 |
| RE DISCCART | -7.07  | -63.64 | 1.2 |
| RE DISCCART | -14.14 | -70.71 | 1.2 |
| RE DISCCART | -21.21 | -77.78 | 1.2 |
| RE DISCCART | -28.28 | -84.85 | 1.2 |
| RE DISCCART | -35.36 | -91.92 | 1.2 |
| RE DISCCART | -42.43 | -98.99 | 1.2 |
| RE DISCCART | 106.07 | 35.36  | 1.2 |
| RE DISCCART | 98.99  | 28.28  | 1.2 |
| RE DISCCART | 91.92  | 21.21  | 1.2 |
| RE DISCCART | 84.85  | 14.14  | 1.2 |
| RE DISCCART | 77.78  | 7.07   | 1.2 |
| RE DISCCART | 70.71  | 0.0    | 1.2 |
| RE DISCCART | 63.64  | -7.07  | 1.2 |
| RE DISCCART | 56.57  | -14.14 | 1.2 |
| RE DISCCART | 53.03  | -17.68 | 1.2 |
| RE DISCCART | 49.5   | -21.21 | 1.2 |
| RE DISCCART | 47.38  | -23.33 | 1.2 |
| RE DISCCART | 45.96  | -24.75 | 1.2 |
| RE DISCCART | 44.55  | -26.16 | 1.2 |
| RE DISCCART | 43.13  | -27.58 | 1.2 |
| RE DISCCART | 41.72  | -28.99 | 1.2 |
| RE DISCCART | 28.99  | -41.72 | 1.2 |
| RE DISCCART | 27.58  | -43.13 | 1.2 |
| RE DISCCART | 26.16  | -44.55 | 1.2 |
| RE DISCCART | 24.75  | -45.96 | 1.2 |
| RE DISCCART | 23.33  | -47.38 | 1.2 |
| RE DISCCART | 21.21  | -49.5  | 1.2 |
| RE DISCCART | 17.68  | -53.03 | 1.2 |
| RE DISCCART | 14.14  | -56.57 | 1.2 |

RE DISCCART 7.07 -63.64 1.2  
RE DISCCART 0.0 -70.71 1.2  
RE DISCCART -7.07 -77.78 1.2  
RE DISCCART -14.14 -84.85 1.2  
RE DISCCART -21.21 -91.92 1.2  
RE DISCCART -28.28 -98.99 1.2  
RE DISCCART -35.36 -106.07 1.2  
RE DISCCART 113.14 28.28 1.2  
RE DISCCART 106.07 21.21 1.2  
RE DISCCART 98.99 14.14 1.2  
RE DISCCART 91.92 7.07 1.2  
RE DISCCART 84.85 0.0 1.2  
RE DISCCART 77.78 -7.07 1.2  
RE DISCCART 70.71 -14.14 1.2  
RE DISCCART 63.64 -21.21 1.2  
RE DISCCART 60.1 -24.75 1.2  
RE DISCCART 56.57 -28.28 1.2  
RE DISCCART 54.45 -30.41 1.2  
RE DISCCART 53.03 -31.82 1.2  
RE DISCCART 51.62 -33.23 1.2  
RE DISCCART 50.2 -34.65 1.2  
RE DISCCART 48.79 -36.06 1.2  
RE DISCCART 36.06 -48.79 1.2  
RE DISCCART 34.65 -50.2 1.2  
RE DISCCART 33.23 -51.62 1.2  
RE DISCCART 31.82 -53.03 1.2  
RE DISCCART 30.41 -54.45 1.2  
RE DISCCART 28.28 -56.57 1.2  
RE DISCCART 24.75 -60.1 1.2  
RE DISCCART 21.21 -63.64 1.2  
RE DISCCART 14.14 -70.71 1.2  
RE DISCCART 7.07 -77.78 1.2  
RE DISCCART 0.0 -84.85 1.2  
RE DISCCART -7.07 -91.92 1.2  
RE DISCCART -14.14 -98.99 1.2  
RE DISCCART -21.21 -106.07 1.2  
RE DISCCART -28.28 -113.14 1.2  
RE DISCCART 120.21 21.21 1.2  
RE DISCCART 113.14 14.14 1.2  
RE DISCCART 106.07 7.07 1.2  
RE DISCCART 98.99 0.0 1.2  
RE DISCCART 91.92 -7.07 1.2  
RE DISCCART 84.85 -14.14 1.2  
RE DISCCART 77.78 -21.21 1.2

|             |        |         |     |
|-------------|--------|---------|-----|
| RE DISCCART | 70.71  | -28.28  | 1.2 |
| RE DISCCART | 67.18  | -31.82  | 1.2 |
| RE DISCCART | 63.64  | -35.36  | 1.2 |
| RE DISCCART | 61.52  | -37.48  | 1.2 |
| RE DISCCART | 60.1   | -38.89  | 1.2 |
| RE DISCCART | 58.69  | -40.31  | 1.2 |
| RE DISCCART | 57.28  | -41.72  | 1.2 |
| RE DISCCART | 55.86  | -43.13  | 1.2 |
| RE DISCCART | 43.13  | -55.86  | 1.2 |
| RE DISCCART | 41.72  | -57.28  | 1.2 |
| RE DISCCART | 40.31  | -58.69  | 1.2 |
| RE DISCCART | 38.89  | -60.1   | 1.2 |
| RE DISCCART | 37.48  | -61.52  | 1.2 |
| RE DISCCART | 35.36  | -63.64  | 1.2 |
| RE DISCCART | 31.82  | -67.18  | 1.2 |
| RE DISCCART | 28.28  | -70.71  | 1.2 |
| RE DISCCART | 21.21  | -77.78  | 1.2 |
| RE DISCCART | 14.14  | -84.85  | 1.2 |
| RE DISCCART | 7.07   | -91.92  | 1.2 |
| RE DISCCART | 0.0    | -98.99  | 1.2 |
| RE DISCCART | -7.07  | -106.07 | 1.2 |
| RE DISCCART | -14.14 | -113.14 | 1.2 |
| RE DISCCART | -21.21 | -120.21 | 1.2 |
| RE DISCCART | 127.28 | 14.14   | 1.2 |
| RE DISCCART | 120.21 | 7.07    | 1.2 |
| RE DISCCART | 113.14 | 0.0     | 1.2 |
| RE DISCCART | 106.07 | -7.07   | 1.2 |
| RE DISCCART | 98.99  | -14.14  | 1.2 |
| RE DISCCART | 91.92  | -21.21  | 1.2 |
| RE DISCCART | 84.85  | -28.28  | 1.2 |
| RE DISCCART | 77.78  | -35.36  | 1.2 |
| RE DISCCART | 74.25  | -38.89  | 1.2 |
| RE DISCCART | 70.71  | -42.43  | 1.2 |
| RE DISCCART | 68.59  | -44.55  | 1.2 |
| RE DISCCART | 67.18  | -45.96  | 1.2 |
| RE DISCCART | 65.76  | -47.38  | 1.2 |
| RE DISCCART | 64.35  | -48.79  | 1.2 |
| RE DISCCART | 62.93  | -50.2   | 1.2 |
| RE DISCCART | 50.2   | -62.93  | 1.2 |
| RE DISCCART | 48.79  | -64.35  | 1.2 |
| RE DISCCART | 47.38  | -65.76  | 1.2 |
| RE DISCCART | 45.96  | -67.18  | 1.2 |
| RE DISCCART | 44.55  | -68.59  | 1.2 |
| RE DISCCART | 42.43  | -70.71  | 1.2 |



|             |        |         |     |
|-------------|--------|---------|-----|
| RE DISCCART | 38.89  | -74.25  | 1.2 |
| RE DISCCART | 35.36  | -77.78  | 1.2 |
| RE DISCCART | 28.28  | -84.85  | 1.2 |
| RE DISCCART | 21.21  | -91.92  | 1.2 |
| RE DISCCART | 14.14  | -98.99  | 1.2 |
| RE DISCCART | 7.07   | -106.07 | 1.2 |
| RE DISCCART | 0.0    | -113.14 | 1.2 |
| RE DISCCART | -7.07  | -120.21 | 1.2 |
| RE DISCCART | -14.14 | -127.28 | 1.2 |
| RE DISCCART | 134.35 | 7.07    | 1.2 |
| RE DISCCART | 127.28 | 0.0     | 1.2 |
| RE DISCCART | 120.21 | -7.07   | 1.2 |
| RE DISCCART | 113.14 | -14.14  | 1.2 |
| RE DISCCART | 106.07 | -21.21  | 1.2 |
| RE DISCCART | 98.99  | -28.28  | 1.2 |
| RE DISCCART | 91.92  | -35.36  | 1.2 |
| RE DISCCART | 84.85  | -42.43  | 1.2 |
| RE DISCCART | 81.32  | -45.96  | 1.2 |
| RE DISCCART | 77.78  | -49.5   | 1.2 |
| RE DISCCART | 75.66  | -51.62  | 1.2 |
| RE DISCCART | 74.25  | -53.03  | 1.2 |
| RE DISCCART | 72.83  | -54.45  | 1.2 |
| RE DISCCART | 71.42  | -55.86  | 1.2 |
| RE DISCCART | 70.0   | -57.28  | 1.2 |
| RE DISCCART | 57.28  | -70.0   | 1.2 |
| RE DISCCART | 55.86  | -71.42  | 1.2 |
| RE DISCCART | 54.45  | -72.83  | 1.2 |
| RE DISCCART | 53.03  | -74.25  | 1.2 |
| RE DISCCART | 51.62  | -75.66  | 1.2 |
| RE DISCCART | 49.5   | -77.78  | 1.2 |
| RE DISCCART | 45.96  | -81.32  | 1.2 |
| RE DISCCART | 42.43  | -84.85  | 1.2 |
| RE DISCCART | 35.36  | -91.92  | 1.2 |
| RE DISCCART | 28.28  | -98.99  | 1.2 |
| RE DISCCART | 21.21  | -106.07 | 1.2 |
| RE DISCCART | 14.14  | -113.14 | 1.2 |
| RE DISCCART | 7.07   | -120.21 | 1.2 |
| RE DISCCART | 0.0    | -127.28 | 1.2 |
| RE DISCCART | -7.07  | -134.35 | 1.2 |
| RE DISCCART | 141.42 | 0.0     | 1.2 |
| RE DISCCART | 134.35 | -7.07   | 1.2 |
| RE DISCCART | 127.28 | -14.14  | 1.2 |
| RE DISCCART | 120.21 | -21.21  | 1.2 |
| RE DISCCART | 113.14 | -28.28  | 1.2 |

|             |        |         |     |
|-------------|--------|---------|-----|
| RE DISCCART | 106.07 | -35.36  | 1.2 |
| RE DISCCART | 98.99  | -42.43  | 1.2 |
| RE DISCCART | 91.92  | -49.5   | 1.2 |
| RE DISCCART | 88.39  | -53.03  | 1.2 |
| RE DISCCART | 84.85  | -56.57  | 1.2 |
| RE DISCCART | 82.73  | -58.69  | 1.2 |
| RE DISCCART | 81.32  | -60.1   | 1.2 |
| RE DISCCART | 79.9   | -61.52  | 1.2 |
| RE DISCCART | 78.49  | -62.93  | 1.2 |
| RE DISCCART | 77.07  | -64.35  | 1.2 |
| RE DISCCART | 64.35  | -77.07  | 1.2 |
| RE DISCCART | 62.93  | -78.49  | 1.2 |
| RE DISCCART | 61.52  | -79.9   | 1.2 |
| RE DISCCART | 60.1   | -81.32  | 1.2 |
| RE DISCCART | 58.69  | -82.73  | 1.2 |
| RE DISCCART | 56.57  | -84.85  | 1.2 |
| RE DISCCART | 53.03  | -88.39  | 1.2 |
| RE DISCCART | 49.5   | -91.92  | 1.2 |
| RE DISCCART | 42.43  | -98.99  | 1.2 |
| RE DISCCART | 35.36  | -106.07 | 1.2 |
| RE DISCCART | 28.28  | -113.14 | 1.2 |
| RE DISCCART | 21.21  | -120.21 | 1.2 |
| RE DISCCART | 14.14  | -127.28 | 1.2 |
| RE DISCCART | 7.07   | -134.35 | 1.2 |
| RE DISCCART | 0.0    | -141.42 | 1.2 |
| RE DISCCART | 148.49 | -7.07   | 1.2 |
| RE DISCCART | 141.42 | -14.14  | 1.2 |
| RE DISCCART | 134.35 | -21.21  | 1.2 |
| RE DISCCART | 127.28 | -28.28  | 1.2 |
| RE DISCCART | 120.21 | -35.36  | 1.2 |
| RE DISCCART | 113.14 | -42.43  | 1.2 |
| RE DISCCART | 106.07 | -49.5   | 1.2 |
| RE DISCCART | 98.99  | -56.57  | 1.2 |
| RE DISCCART | 95.46  | -60.1   | 1.2 |
| RE DISCCART | 91.92  | -63.64  | 1.2 |
| RE DISCCART | 89.8   | -65.76  | 1.2 |
| RE DISCCART | 88.39  | -67.18  | 1.2 |
| RE DISCCART | 86.97  | -68.59  | 1.2 |
| RE DISCCART | 85.56  | -70.0   | 1.2 |
| RE DISCCART | 84.15  | -71.42  | 1.2 |
| RE DISCCART | 71.42  | -84.15  | 1.2 |
| RE DISCCART | 70.0   | -85.56  | 1.2 |
| RE DISCCART | 68.59  | -86.97  | 1.2 |
| RE DISCCART | 67.18  | -88.39  | 1.2 |

|             |        |         |     |
|-------------|--------|---------|-----|
| RE DISCCART | 65.76  | -89.8   | 1.2 |
| RE DISCCART | 63.64  | -91.92  | 1.2 |
| RE DISCCART | 60.1   | -95.46  | 1.2 |
| RE DISCCART | 56.57  | -98.99  | 1.2 |
| RE DISCCART | 49.5   | -106.07 | 1.2 |
| RE DISCCART | 42.43  | -113.14 | 1.2 |
| RE DISCCART | 35.36  | -120.21 | 1.2 |
| RE DISCCART | 28.28  | -127.28 | 1.2 |
| RE DISCCART | 21.21  | -134.35 | 1.2 |
| RE DISCCART | 14.14  | -141.42 | 1.2 |
| RE DISCCART | 7.07   | -148.49 | 1.2 |
| RE DISCCART | 155.56 | -14.14  | 1.2 |
| RE DISCCART | 148.49 | -21.21  | 1.2 |
| RE DISCCART | 141.42 | -28.28  | 1.2 |
| RE DISCCART | 134.35 | -35.36  | 1.2 |
| RE DISCCART | 127.28 | -42.43  | 1.2 |
| RE DISCCART | 120.21 | -49.5   | 1.2 |
| RE DISCCART | 113.14 | -56.57  | 1.2 |
| RE DISCCART | 106.07 | -63.64  | 1.2 |
| RE DISCCART | 102.53 | -67.18  | 1.2 |
| RE DISCCART | 98.99  | -70.71  | 1.2 |
| RE DISCCART | 96.87  | -72.83  | 1.2 |
| RE DISCCART | 95.46  | -74.25  | 1.2 |
| RE DISCCART | 94.05  | -75.66  | 1.2 |
| RE DISCCART | 92.63  | -77.07  | 1.2 |
| RE DISCCART | 91.22  | -78.49  | 1.2 |
| RE DISCCART | 78.49  | -91.22  | 1.2 |
| RE DISCCART | 77.07  | -92.63  | 1.2 |
| RE DISCCART | 75.66  | -94.05  | 1.2 |
| RE DISCCART | 74.25  | -95.46  | 1.2 |
| RE DISCCART | 72.83  | -96.87  | 1.2 |
| RE DISCCART | 70.71  | -98.99  | 1.2 |
| RE DISCCART | 67.18  | -102.53 | 1.2 |
| RE DISCCART | 63.64  | -106.07 | 1.2 |
| RE DISCCART | 56.57  | -113.14 | 1.2 |
| RE DISCCART | 49.5   | -120.21 | 1.2 |
| RE DISCCART | 42.43  | -127.28 | 1.2 |
| RE DISCCART | 35.36  | -134.35 | 1.2 |
| RE DISCCART | 28.28  | -141.42 | 1.2 |
| RE DISCCART | 21.21  | -148.49 | 1.2 |
| RE DISCCART | 14.14  | -155.56 | 1.2 |
| RE DISCCART | 162.63 | -21.21  | 1.2 |
| RE DISCCART | 155.56 | -28.28  | 1.2 |
| RE DISCCART | 148.49 | -35.36  | 1.2 |

|             |        |         |     |
|-------------|--------|---------|-----|
| RE DISCCART | 141.42 | -42.43  | 1.2 |
| RE DISCCART | 134.35 | -49.5   | 1.2 |
| RE DISCCART | 127.28 | -56.57  | 1.2 |
| RE DISCCART | 120.21 | -63.64  | 1.2 |
| RE DISCCART | 113.14 | -70.71  | 1.2 |
| RE DISCCART | 109.6  | -74.25  | 1.2 |
| RE DISCCART | 106.07 | -77.78  | 1.2 |
| RE DISCCART | 103.94 | -79.9   | 1.2 |
| RE DISCCART | 102.53 | -81.32  | 1.2 |
| RE DISCCART | 101.12 | -82.73  | 1.2 |
| RE DISCCART | 99.7   | -84.15  | 1.2 |
| RE DISCCART | 98.29  | -85.56  | 1.2 |
| RE DISCCART | 85.56  | -98.29  | 1.2 |
| RE DISCCART | 84.15  | -99.7   | 1.2 |
| RE DISCCART | 82.73  | -101.12 | 1.2 |
| RE DISCCART | 81.32  | -102.53 | 1.2 |
| RE DISCCART | 79.9   | -103.94 | 1.2 |
| RE DISCCART | 77.78  | -106.07 | 1.2 |
| RE DISCCART | 74.25  | -109.6  | 1.2 |
| RE DISCCART | 70.71  | -113.14 | 1.2 |
| RE DISCCART | 63.64  | -120.21 | 1.2 |
| RE DISCCART | 56.57  | -127.28 | 1.2 |
| RE DISCCART | 49.5   | -134.35 | 1.2 |
| RE DISCCART | 42.43  | -141.42 | 1.2 |
| RE DISCCART | 35.36  | -148.49 | 1.2 |
| RE DISCCART | 28.28  | -155.56 | 1.2 |
| RE DISCCART | 21.21  | -162.63 | 1.2 |
| RE DISCCART | 169.71 | -28.28  | 1.2 |
| RE DISCCART | 162.63 | -35.36  | 1.2 |
| RE DISCCART | 155.56 | -42.43  | 1.2 |
| RE DISCCART | 148.49 | -49.5   | 1.2 |
| RE DISCCART | 141.42 | -56.57  | 1.2 |
| RE DISCCART | 134.35 | -63.64  | 1.2 |
| RE DISCCART | 127.28 | -70.71  | 1.2 |
| RE DISCCART | 120.21 | -77.78  | 1.2 |
| RE DISCCART | 116.67 | -81.32  | 1.2 |
| RE DISCCART | 113.14 | -84.85  | 1.2 |
| RE DISCCART | 111.02 | -86.97  | 1.2 |
| RE DISCCART | 109.6  | -88.39  | 1.2 |
| RE DISCCART | 108.19 | -89.8   | 1.2 |
| RE DISCCART | 106.77 | -91.22  | 1.2 |
| RE DISCCART | 105.36 | -92.63  | 1.2 |
| RE DISCCART | 92.63  | -105.36 | 1.2 |
| RE DISCCART | 91.22  | -106.77 | 1.2 |

|             |        |         |     |
|-------------|--------|---------|-----|
| RE DISCCART | 89.8   | -108.19 | 1.2 |
| RE DISCCART | 88.39  | -109.6  | 1.2 |
| RE DISCCART | 86.97  | -111.02 | 1.2 |
| RE DISCCART | 84.85  | -113.14 | 1.2 |
| RE DISCCART | 81.32  | -116.67 | 1.2 |
| RE DISCCART | 77.78  | -120.21 | 1.2 |
| RE DISCCART | 70.71  | -127.28 | 1.2 |
| RE DISCCART | 63.64  | -134.35 | 1.2 |
| RE DISCCART | 56.57  | -141.42 | 1.2 |
| RE DISCCART | 49.5   | -148.49 | 1.2 |
| RE DISCCART | 42.43  | -155.56 | 1.2 |
| RE DISCCART | 35.36  | -162.63 | 1.2 |
| RE DISCCART | 28.28  | -169.71 | 1.2 |
| RE DISCCART | 176.78 | -35.36  | 1.2 |
| RE DISCCART | 169.71 | -42.43  | 1.2 |
| RE DISCCART | 162.63 | -49.5   | 1.2 |
| RE DISCCART | 155.56 | -56.57  | 1.2 |
| RE DISCCART | 148.49 | -63.64  | 1.2 |
| RE DISCCART | 141.42 | -70.71  | 1.2 |
| RE DISCCART | 134.35 | -77.78  | 1.2 |
| RE DISCCART | 127.28 | -84.85  | 1.2 |
| RE DISCCART | 123.74 | -88.39  | 1.2 |
| RE DISCCART | 120.21 | -91.92  | 1.2 |
| RE DISCCART | 118.09 | -94.05  | 1.2 |
| RE DISCCART | 116.67 | -95.46  | 1.2 |
| RE DISCCART | 115.26 | -96.87  | 1.2 |
| RE DISCCART | 113.84 | -98.29  | 1.2 |
| RE DISCCART | 112.43 | -99.7   | 1.2 |
| RE DISCCART | 99.7   | -112.43 | 1.2 |
| RE DISCCART | 98.29  | -113.84 | 1.2 |
| RE DISCCART | 96.87  | -115.26 | 1.2 |
| RE DISCCART | 95.46  | -116.67 | 1.2 |
| RE DISCCART | 94.05  | -118.09 | 1.2 |
| RE DISCCART | 91.92  | -120.21 | 1.2 |
| RE DISCCART | 88.39  | -123.74 | 1.2 |
| RE DISCCART | 84.85  | -127.28 | 1.2 |
| RE DISCCART | 77.78  | -134.35 | 1.2 |
| RE DISCCART | 70.71  | -141.42 | 1.2 |
| RE DISCCART | 63.64  | -148.49 | 1.2 |
| RE DISCCART | 56.57  | -155.56 | 1.2 |
| RE DISCCART | 49.5   | -162.63 | 1.2 |
| RE DISCCART | 42.43  | -169.71 | 1.2 |
| RE DISCCART | 35.36  | -176.78 | 1.2 |
| RE DISCCART | 183.85 | -42.43  | 1.2 |

|             |        |         |     |
|-------------|--------|---------|-----|
| RE DISCCART | 176.78 | -49.5   | 1.2 |
| RE DISCCART | 169.71 | -56.57  | 1.2 |
| RE DISCCART | 162.63 | -63.64  | 1.2 |
| RE DISCCART | 155.56 | -70.71  | 1.2 |
| RE DISCCART | 148.49 | -77.78  | 1.2 |
| RE DISCCART | 141.42 | -84.85  | 1.2 |
| RE DISCCART | 134.35 | -91.92  | 1.2 |
| RE DISCCART | 130.81 | -95.46  | 1.2 |
| RE DISCCART | 127.28 | -98.99  | 1.2 |
| RE DISCCART | 125.16 | -101.12 | 1.2 |
| RE DISCCART | 123.74 | -102.53 | 1.2 |
| RE DISCCART | 122.33 | -103.94 | 1.2 |
| RE DISCCART | 120.92 | -105.36 | 1.2 |
| RE DISCCART | 119.5  | -106.77 | 1.2 |
| RE DISCCART | 106.77 | -119.5  | 1.2 |
| RE DISCCART | 105.36 | -120.92 | 1.2 |
| RE DISCCART | 103.94 | -122.33 | 1.2 |
| RE DISCCART | 102.53 | -123.74 | 1.2 |
| RE DISCCART | 101.12 | -125.16 | 1.2 |
| RE DISCCART | 98.99  | -127.28 | 1.2 |
| RE DISCCART | 95.46  | -130.81 | 1.2 |
| RE DISCCART | 91.92  | -134.35 | 1.2 |
| RE DISCCART | 84.85  | -141.42 | 1.2 |
| RE DISCCART | 77.78  | -148.49 | 1.2 |
| RE DISCCART | 70.71  | -155.56 | 1.2 |
| RE DISCCART | 63.64  | -162.63 | 1.2 |
| RE DISCCART | 56.57  | -169.71 | 1.2 |
| RE DISCCART | 49.5   | -176.78 | 1.2 |
| RE DISCCART | 42.43  | -183.85 | 1.2 |
| RE DISCCART | 190.92 | -49.5   | 1.2 |
| RE DISCCART | 183.85 | -56.57  | 1.2 |
| RE DISCCART | 176.78 | -63.64  | 1.2 |
| RE DISCCART | 169.71 | -70.71  | 1.2 |
| RE DISCCART | 162.63 | -77.78  | 1.2 |
| RE DISCCART | 155.56 | -84.85  | 1.2 |
| RE DISCCART | 148.49 | -91.92  | 1.2 |
| RE DISCCART | 141.42 | -98.99  | 1.2 |
| RE DISCCART | 137.89 | -102.53 | 1.2 |
| RE DISCCART | 134.35 | -106.07 | 1.2 |
| RE DISCCART | 132.23 | -108.19 | 1.2 |
| RE DISCCART | 130.81 | -109.6  | 1.2 |
| RE DISCCART | 129.4  | -111.02 | 1.2 |
| RE DISCCART | 127.99 | -112.43 | 1.2 |
| RE DISCCART | 126.57 | -113.84 | 1.2 |

|             |        |         |     |
|-------------|--------|---------|-----|
| RE DISCCART | 113.84 | -126.57 | 1.2 |
| RE DISCCART | 112.43 | -127.99 | 1.2 |
| RE DISCCART | 111.02 | -129.4  | 1.2 |
| RE DISCCART | 109.6  | -130.81 | 1.2 |
| RE DISCCART | 108.19 | -132.23 | 1.2 |
| RE DISCCART | 106.07 | -134.35 | 1.2 |
| RE DISCCART | 102.53 | -137.89 | 1.2 |
| RE DISCCART | 98.99  | -141.42 | 1.2 |
| RE DISCCART | 91.92  | -148.49 | 1.2 |
| RE DISCCART | 84.85  | -155.56 | 1.2 |
| RE DISCCART | 77.78  | -162.63 | 1.2 |
| RE DISCCART | 70.71  | -169.71 | 1.2 |
| RE DISCCART | 63.64  | -176.78 | 1.2 |
| RE DISCCART | 56.57  | -183.85 | 1.2 |
| RE DISCCART | 49.5   | -190.92 | 1.2 |
| RE DISCCART | 197.99 | -56.57  | 1.2 |
| RE DISCCART | 190.92 | -63.64  | 1.2 |
| RE DISCCART | 183.85 | -70.71  | 1.2 |
| RE DISCCART | 176.78 | -77.78  | 1.2 |
| RE DISCCART | 169.71 | -84.85  | 1.2 |
| RE DISCCART | 162.63 | -91.92  | 1.2 |
| RE DISCCART | 155.56 | -98.99  | 1.2 |
| RE DISCCART | 148.49 | -106.07 | 1.2 |
| RE DISCCART | 144.96 | -109.6  | 1.2 |
| RE DISCCART | 141.42 | -113.14 | 1.2 |
| RE DISCCART | 139.3  | -115.26 | 1.2 |
| RE DISCCART | 137.89 | -116.67 | 1.2 |
| RE DISCCART | 136.47 | -118.09 | 1.2 |
| RE DISCCART | 135.06 | -119.5  | 1.2 |
| RE DISCCART | 133.64 | -120.92 | 1.2 |
| RE DISCCART | 120.92 | -133.64 | 1.2 |
| RE DISCCART | 119.5  | -135.06 | 1.2 |
| RE DISCCART | 118.09 | -136.47 | 1.2 |
| RE DISCCART | 116.67 | -137.89 | 1.2 |
| RE DISCCART | 115.26 | -139.3  | 1.2 |
| RE DISCCART | 113.14 | -141.42 | 1.2 |
| RE DISCCART | 109.6  | -144.96 | 1.2 |
| RE DISCCART | 106.07 | -148.49 | 1.2 |
| RE DISCCART | 98.99  | -155.56 | 1.2 |
| RE DISCCART | 91.92  | -162.63 | 1.2 |
| RE DISCCART | 84.85  | -169.71 | 1.2 |
| RE DISCCART | 77.78  | -176.78 | 1.2 |
| RE DISCCART | 70.71  | -183.85 | 1.2 |
| RE DISCCART | 63.64  | -190.92 | 1.2 |

|             |        |         |     |
|-------------|--------|---------|-----|
| RE DISCCART | 56.57  | -197.99 | 1.2 |
| RE DISCCART | 205.06 | -63.64  | 1.2 |
| RE DISCCART | 197.99 | -70.71  | 1.2 |
| RE DISCCART | 190.92 | -77.78  | 1.2 |
| RE DISCCART | 183.85 | -84.85  | 1.2 |
| RE DISCCART | 176.78 | -91.92  | 1.2 |
| RE DISCCART | 169.71 | -98.99  | 1.2 |
| RE DISCCART | 162.63 | -106.07 | 1.2 |
| RE DISCCART | 155.56 | -113.14 | 1.2 |
| RE DISCCART | 152.03 | -116.67 | 1.2 |
| RE DISCCART | 148.49 | -120.21 | 1.2 |
| RE DISCCART | 146.37 | -122.33 | 1.2 |
| RE DISCCART | 144.96 | -123.74 | 1.2 |
| RE DISCCART | 143.54 | -125.16 | 1.2 |
| RE DISCCART | 142.13 | -126.57 | 1.2 |
| RE DISCCART | 140.71 | -127.99 | 1.2 |
| RE DISCCART | 127.99 | -140.71 | 1.2 |
| RE DISCCART | 126.57 | -142.13 | 1.2 |
| RE DISCCART | 125.16 | -143.54 | 1.2 |
| RE DISCCART | 123.74 | -144.96 | 1.2 |
| RE DISCCART | 122.33 | -146.37 | 1.2 |
| RE DISCCART | 120.21 | -148.49 | 1.2 |
| RE DISCCART | 116.67 | -152.03 | 1.2 |
| RE DISCCART | 113.14 | -155.56 | 1.2 |
| RE DISCCART | 106.07 | -162.63 | 1.2 |
| RE DISCCART | 98.99  | -169.71 | 1.2 |
| RE DISCCART | 91.92  | -176.78 | 1.2 |
| RE DISCCART | 84.85  | -183.85 | 1.2 |
| RE DISCCART | 77.78  | -190.92 | 1.2 |
| RE DISCCART | 70.71  | -197.99 | 1.2 |
| RE DISCCART | 63.64  | -205.06 | 1.2 |
| RE DISCCART | 212.13 | -70.71  | 1.2 |
| RE DISCCART | 205.06 | -77.78  | 1.2 |
| RE DISCCART | 197.99 | -84.85  | 1.2 |
| RE DISCCART | 190.92 | -91.92  | 1.2 |
| RE DISCCART | 183.85 | -98.99  | 1.2 |
| RE DISCCART | 176.78 | -106.07 | 1.2 |
| RE DISCCART | 169.71 | -113.14 | 1.2 |
| RE DISCCART | 162.63 | -120.21 | 1.2 |
| RE DISCCART | 159.1  | -123.74 | 1.2 |
| RE DISCCART | 155.56 | -127.28 | 1.2 |
| RE DISCCART | 153.44 | -129.4  | 1.2 |
| RE DISCCART | 152.03 | -130.81 | 1.2 |
| RE DISCCART | 150.61 | -132.23 | 1.2 |



|             |        |         |     |
|-------------|--------|---------|-----|
| RE DISCCART | 149.2  | -133.64 | 1.2 |
| RE DISCCART | 147.79 | -135.06 | 1.2 |
| RE DISCCART | 135.06 | -147.79 | 1.2 |
| RE DISCCART | 133.64 | -149.2  | 1.2 |
| RE DISCCART | 132.23 | -150.61 | 1.2 |
| RE DISCCART | 130.81 | -152.03 | 1.2 |
| RE DISCCART | 129.4  | -153.44 | 1.2 |
| RE DISCCART | 127.28 | -155.56 | 1.2 |
| RE DISCCART | 123.74 | -159.1  | 1.2 |
| RE DISCCART | 120.21 | -162.63 | 1.2 |
| RE DISCCART | 113.14 | -169.71 | 1.2 |
| RE DISCCART | 106.07 | -176.78 | 1.2 |
| RE DISCCART | 98.99  | -183.85 | 1.2 |
| RE DISCCART | 91.92  | -190.92 | 1.2 |
| RE DISCCART | 84.85  | -197.99 | 1.2 |
| RE DISCCART | 77.78  | -205.06 | 1.2 |
| RE DISCCART | 70.71  | -212.13 | 1.2 |
| RE DISCCART | 219.2  | -77.78  | 1.2 |
| RE DISCCART | 212.13 | -84.85  | 1.2 |
| RE DISCCART | 205.06 | -91.92  | 1.2 |
| RE DISCCART | 197.99 | -98.99  | 1.2 |
| RE DISCCART | 190.92 | -106.07 | 1.2 |
| RE DISCCART | 183.85 | -113.14 | 1.2 |
| RE DISCCART | 176.78 | -120.21 | 1.2 |
| RE DISCCART | 169.71 | -127.28 | 1.2 |
| RE DISCCART | 166.17 | -130.81 | 1.2 |
| RE DISCCART | 162.63 | -134.35 | 1.2 |
| RE DISCCART | 160.51 | -136.47 | 1.2 |
| RE DISCCART | 159.1  | -137.89 | 1.2 |
| RE DISCCART | 157.68 | -139.3  | 1.2 |
| RE DISCCART | 156.27 | -140.71 | 1.2 |
| RE DISCCART | 154.86 | -142.13 | 1.2 |
| RE DISCCART | 142.13 | -154.86 | 1.2 |
| RE DISCCART | 140.71 | -156.27 | 1.2 |
| RE DISCCART | 139.3  | -157.68 | 1.2 |
| RE DISCCART | 137.89 | -159.1  | 1.2 |
| RE DISCCART | 136.47 | -160.51 | 1.2 |
| RE DISCCART | 134.35 | -162.63 | 1.2 |
| RE DISCCART | 130.81 | -166.17 | 1.2 |
| RE DISCCART | 127.28 | -169.71 | 1.2 |
| RE DISCCART | 120.21 | -176.78 | 1.2 |
| RE DISCCART | 113.14 | -183.85 | 1.2 |
| RE DISCCART | 106.07 | -190.92 | 1.2 |
| RE DISCCART | 98.99  | -197.99 | 1.2 |

|             |        |         |     |
|-------------|--------|---------|-----|
| RE DISCCART | 91.92  | -205.06 | 1.2 |
| RE DISCCART | 84.85  | -212.13 | 1.2 |
| RE DISCCART | 77.78  | -219.2  | 1.2 |
| RE DISCCART | 226.27 | -84.85  | 1.2 |
| RE DISCCART | 219.2  | -91.92  | 1.2 |
| RE DISCCART | 212.13 | -98.99  | 1.2 |
| RE DISCCART | 205.06 | -106.07 | 1.2 |
| RE DISCCART | 197.99 | -113.14 | 1.2 |
| RE DISCCART | 190.92 | -120.21 | 1.2 |
| RE DISCCART | 183.85 | -127.28 | 1.2 |
| RE DISCCART | 176.78 | -134.35 | 1.2 |
| RE DISCCART | 173.24 | -137.89 | 1.2 |
| RE DISCCART | 169.71 | -141.42 | 1.2 |
| RE DISCCART | 167.58 | -143.54 | 1.2 |
| RE DISCCART | 166.17 | -144.96 | 1.2 |
| RE DISCCART | 164.76 | -146.37 | 1.2 |
| RE DISCCART | 163.34 | -147.79 | 1.2 |
| RE DISCCART | 161.93 | -149.2  | 1.2 |
| RE DISCCART | 149.2  | -161.93 | 1.2 |
| RE DISCCART | 147.79 | -163.34 | 1.2 |
| RE DISCCART | 146.37 | -164.76 | 1.2 |
| RE DISCCART | 144.96 | -166.17 | 1.2 |
| RE DISCCART | 143.54 | -167.58 | 1.2 |
| RE DISCCART | 141.42 | -169.71 | 1.2 |
| RE DISCCART | 137.89 | -173.24 | 1.2 |
| RE DISCCART | 134.35 | -176.78 | 1.2 |
| RE DISCCART | 127.28 | -183.85 | 1.2 |
| RE DISCCART | 120.21 | -190.92 | 1.2 |
| RE DISCCART | 113.14 | -197.99 | 1.2 |
| RE DISCCART | 106.07 | -205.06 | 1.2 |
| RE DISCCART | 98.99  | -212.13 | 1.2 |
| RE DISCCART | 91.92  | -219.2  | 1.2 |
| RE DISCCART | 84.85  | -226.27 | 1.2 |
| RE DISCCART | 233.35 | -91.92  | 1.2 |
| RE DISCCART | 226.27 | -98.99  | 1.2 |
| RE DISCCART | 219.2  | -106.07 | 1.2 |
| RE DISCCART | 212.13 | -113.14 | 1.2 |
| RE DISCCART | 205.06 | -120.21 | 1.2 |
| RE DISCCART | 197.99 | -127.28 | 1.2 |
| RE DISCCART | 190.92 | -134.35 | 1.2 |
| RE DISCCART | 183.85 | -141.42 | 1.2 |
| RE DISCCART | 180.31 | -144.96 | 1.2 |
| RE DISCCART | 176.78 | -148.49 | 1.2 |
| RE DISCCART | 174.66 | -150.61 | 1.2 |

|             |        |         |     |
|-------------|--------|---------|-----|
| RE DISCCART | 173.24 | -152.03 | 1.2 |
| RE DISCCART | 171.83 | -153.44 | 1.2 |
| RE DISCCART | 170.41 | -154.86 | 1.2 |
| RE DISCCART | 169.0  | -156.27 | 1.2 |
| RE DISCCART | 156.27 | -169.0  | 1.2 |
| RE DISCCART | 154.86 | -170.41 | 1.2 |
| RE DISCCART | 153.44 | -171.83 | 1.2 |
| RE DISCCART | 152.03 | -173.24 | 1.2 |
| RE DISCCART | 150.61 | -174.66 | 1.2 |
| RE DISCCART | 148.49 | -176.78 | 1.2 |
| RE DISCCART | 144.96 | -180.31 | 1.2 |
| RE DISCCART | 141.42 | -183.85 | 1.2 |
| RE DISCCART | 134.35 | -190.92 | 1.2 |
| RE DISCCART | 127.28 | -197.99 | 1.2 |
| RE DISCCART | 120.21 | -205.06 | 1.2 |
| RE DISCCART | 113.14 | -212.13 | 1.2 |
| RE DISCCART | 106.07 | -219.2  | 1.2 |
| RE DISCCART | 98.99  | -226.27 | 1.2 |
| RE DISCCART | 91.92  | -233.35 | 1.2 |
| RE DISCCART | 240.42 | -98.99  | 1.2 |
| RE DISCCART | 233.35 | -106.07 | 1.2 |
| RE DISCCART | 226.27 | -113.14 | 1.2 |
| RE DISCCART | 219.2  | -120.21 | 1.2 |
| RE DISCCART | 212.13 | -127.28 | 1.2 |
| RE DISCCART | 205.06 | -134.35 | 1.2 |
| RE DISCCART | 197.99 | -141.42 | 1.2 |
| RE DISCCART | 190.92 | -148.49 | 1.2 |
| RE DISCCART | 187.38 | -152.03 | 1.2 |
| RE DISCCART | 183.85 | -155.56 | 1.2 |
| RE DISCCART | 181.73 | -157.68 | 1.2 |
| RE DISCCART | 180.31 | -159.1  | 1.2 |
| RE DISCCART | 178.9  | -160.51 | 1.2 |
| RE DISCCART | 177.48 | -161.93 | 1.2 |
| RE DISCCART | 176.07 | -163.34 | 1.2 |
| RE DISCCART | 163.34 | -176.07 | 1.2 |
| RE DISCCART | 161.93 | -177.48 | 1.2 |
| RE DISCCART | 160.51 | -178.9  | 1.2 |
| RE DISCCART | 159.1  | -180.31 | 1.2 |
| RE DISCCART | 157.68 | -181.73 | 1.2 |
| RE DISCCART | 155.56 | -183.85 | 1.2 |
| RE DISCCART | 152.03 | -187.38 | 1.2 |
| RE DISCCART | 148.49 | -190.92 | 1.2 |
| RE DISCCART | 141.42 | -197.99 | 1.2 |
| RE DISCCART | 134.35 | -205.06 | 1.2 |

RE DISCCART 127.28 -212.13 1.2  
RE DISCCART 120.21 -219.2 1.2  
RE DISCCART 113.14 -226.27 1.2  
RE DISCCART 106.07 -233.35 1.2  
RE DISCCART 98.99 -240.42 1.2  
RE DISCCART 247.49 -106.07 1.2  
RE DISCCART 240.42 -113.14 1.2  
RE DISCCART 233.35 -120.21 1.2  
RE DISCCART 226.27 -127.28 1.2  
RE DISCCART 219.2 -134.35 1.2  
RE DISCCART 212.13 -141.42 1.2  
RE DISCCART 205.06 -148.49 1.2  
RE DISCCART 197.99 -155.56 1.2  
RE DISCCART 194.45 -159.1 1.2  
RE DISCCART 190.92 -162.63 1.2  
RE DISCCART 188.8 -164.76 1.2  
RE DISCCART 187.38 -166.17 1.2  
RE DISCCART 185.97 -167.58 1.2  
RE DISCCART 184.55 -169.0 1.2  
RE DISCCART 183.14 -170.41 1.2  
RE DISCCART 170.41 -183.14 1.2  
RE DISCCART 169.0 -184.55 1.2  
RE DISCCART 167.58 -185.97 1.2  
RE DISCCART 166.17 -187.38 1.2  
RE DISCCART 164.76 -188.8 1.2  
RE DISCCART 162.63 -190.92 1.2  
RE DISCCART 159.1 -194.45 1.2  
RE DISCCART 155.56 -197.99 1.2  
RE DISCCART 148.49 -205.06 1.2  
RE DISCCART 141.42 -212.13 1.2  
RE DISCCART 134.35 -219.2 1.2  
RE DISCCART 127.28 -226.27 1.2  
RE DISCCART 120.21 -233.35 1.2  
RE DISCCART 113.14 -240.42 1.2  
RE DISCCART 106.07 -247.49 1.2  
RE FINISHED

ME STARTING

ME INPUTFIL "C:\NCRA\Modeling\Met Data\Petaluma\PET97300.ASC"

ME ANEMHGHT 10 METERS

ME SURFDATA 9901 1997

ME UAIRDATA 9901 1997

ME STARTEND 1997 01 01 1 1997 12 31 24

ME FINISHED

OU STARTING

OU FINISHED

\*\* PROJECTN 0 104 7 -177 0 0.9996 500000 0

\*\* OUTFILE "C:\NCRA\Modeling\DPM Risk\Traveling Trains\Petaluma\20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound.lst"

\*\* RAWFILE "C:\NCRA\Modeling\DPM Risk\Traveling Trains\Petaluma\20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound.RAW"

\*\* RAWFMT 2

\*\* HILLBOUN 0 0 0 0

\*\*\*\*\*  
\*\*\* SETUP Finishes Successfully \*\*\*  
\*\*\*\*\*

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTs:

PAGE 1

CONC URBAN FLAT FLGPOL DFAULT

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

\*\*Intermediate Terrain Processing is Selected

\*\*Model Is Setup For Calculation of Average CONCentration Values.

-- SCAVENGING/DEPOSITION LOGIC --

\*\*Model Uses NO DRY DEPLETION. DDPLETE = F

\*\*Model Uses NO WET DEPLETION. WDPLETE = F

\*\*NO WET SCAVENGING Data Provided.

\*\*NO GAS DRY DEPOSITION Data Provided.

\*\*Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

\*\*Model Uses URBAN Dispersion.

\*\*Model Uses Regulatory DEFAULT Options:

- 1. Final Plume Rise.
- 2. Stack-tip Downwash.
- 3. Buoyancy-induced Dispersion.
- 4. Use Calms Processing Routine.
- 5. Not Use Missing Data Processing Routine.
- 6. Default Wind Profile Exponents.
- 7. Default Vertical Potential Temperature Gradients.
- 8. "Upper Bound" Values for Supersquat Buildings.
- 9. No Exponential Decay for URBAN/Non-SO2

\*\*Model Assumes Receptors on FLAT Terrain.

\*\*Model Accepts FLAGPOLE Receptor Heights.

\*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 5 Source(s); 6 Source Group(s); and 1530 Receptor(s)

\*\*The Model Assumes A Pollutant Type of: OTHER

\*\*Model Set To Continue RUNning After the Setup Testing.

\*\*Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

\*\*NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours  
m for Missing Hours  
b for Both Calm and Missing Hours

\*\*Misc. Inputs: Anem. Hgt. (m) = 10.00 ; Decay Coef. = 0.0000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor =

0.10000E+07

Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 1.3 MB of RAM.

\*\*Input Runstream File: C:\NCRA\MODELING\DPMRIS-1\TRAVEL-1\PETALUMA\20NCRA-1.DAT

\*\*Output Print File:

C:\NCRA\MODELING\DPMRIS-1\TRAVEL-1\PETALUMA\20NCRA-1.LST

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08  
 15:49:41      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*  
 \*\*MODELOPTs:  
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 CONC                      URBAN FLAT    FLGPOL DFAULT

\*\*\* AREA SOURCE DATA \*\*\*

| EMISSION RATE | NUMBER | EMISSION RATE | COORD (SW CORNER) |          | BASE     | RELEASE  | X-DIM    | Y-DIM    | ORIENT. | INIT.    |
|---------------|--------|---------------|-------------------|----------|----------|----------|----------|----------|---------|----------|
| SCALAR VARY   | PART.  | (GRAMS/SEC    | X                 | Y        | ELEV.    | HEIGHT   | OF AREA  | OF AREA  | OF AREA | SZ       |
| ID            | CATS.  | /METER**2)    | (METERS)          | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | (DEG.)  | (METERS) |
| BY            |        |               |                   |          |          |          |          |          |         |          |
| NCRA_S1       | 0      | 0.21100E-07   | 98.6              | -92.3    | 0.0      | 4.95     | 9.00     | 90.00    | 135.00  | 2.30     |
| NCRA_S2       | 0      | 0.21100E-07   | 35.0              | -28.6    | 0.0      | 4.95     | 9.00     | 90.00    | 135.00  | 2.30     |
| NCRA_S3       | 0      | 0.21100E-07   | -28.6             | 35.0     | 0.0      | 4.95     | 9.00     | 90.00    | 135.00  | 2.30     |
| NCRA_S4       | 0      | 0.21100E-07   | -92.3             | 98.6     | 0.0      | 4.95     | 9.00     | 90.00    | 135.00  | 2.30     |
| NCRA_S5       | 0      | 0.21100E-07   | -155.9            | 162.3    | 0.0      | 4.95     | 9.00     | 90.00    | 135.00  | 2.30     |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08  
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 \*\*MODELOPTs:  
 PAGE 3  
 CONC                      URBAN FLAT    FLGPOL DFAULT

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

GROUP ID                                      SOURCE IDs

NCRA\_S1    NCRA\_S1 ,

NCRA\_S2    NCRA\_S2 ,

NCRA\_S3    NCRA\_S3 ,

NCRA\_S4    NCRA\_S4 ,

NCRA\_S5    NCRA\_S5 ,

ALL                      NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08  
 15:49:41      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*  
 \*\*MODELOPTs:  
 PAGE 4  
 CONC                      URBAN FLAT    FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZFLAG)  
 (METERS)

( -106.1,    247.5,    0.0,    1.2);      ( -113.1,    240.4,    0.0,    1.2);

( -120.2,    233.4,    0.0,    1.2);      ( -127.3,    226.3,    0.0,    1.2);

( -134.4,    219.2,    0.0,    1.2);      ( -141.4,    212.1,    0.0,    1.2);

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|           |        |      |       |           |        |      |       |
|-----------|--------|------|-------|-----------|--------|------|-------|
| ( -148.5, | 205.1, | 0.0, | 1.2); | ( -155.6, | 198.0, | 0.0, | 1.2); |
| ( -159.1, | 194.4, | 0.0, | 1.2); | ( -162.6, | 190.9, | 0.0, | 1.2); |
| ( -164.8, | 188.8, | 0.0, | 1.2); | ( -166.2, | 187.4, | 0.0, | 1.2); |
| ( -167.6, | 186.0, | 0.0, | 1.2); | ( -169.0, | 184.6, | 0.0, | 1.2); |
| ( -170.4, | 183.1, | 0.0, | 1.2); | ( -183.1, | 170.4, | 0.0, | 1.2); |
| ( -184.6, | 169.0, | 0.0, | 1.2); | ( -186.0, | 167.6, | 0.0, | 1.2); |
| ( -187.4, | 166.2, | 0.0, | 1.2); | ( -188.8, | 164.8, | 0.0, | 1.2); |
| ( -190.9, | 162.6, | 0.0, | 1.2); | ( -194.4, | 159.1, | 0.0, | 1.2); |
| ( -198.0, | 155.6, | 0.0, | 1.2); | ( -205.1, | 148.5, | 0.0, | 1.2); |
| ( -212.1, | 141.4, | 0.0, | 1.2); | ( -219.2, | 134.4, | 0.0, | 1.2); |
| ( -226.3, | 127.3, | 0.0, | 1.2); | ( -233.4, | 120.2, | 0.0, | 1.2); |
| ( -240.4, | 113.1, | 0.0, | 1.2); | ( -247.5, | 106.1, | 0.0, | 1.2); |
| ( -99.0,  | 240.4, | 0.0, | 1.2); | ( -106.1, | 233.4, | 0.0, | 1.2); |
| ( -113.1, | 226.3, | 0.0, | 1.2); | ( -120.2, | 219.2, | 0.0, | 1.2); |
| ( -127.3, | 212.1, | 0.0, | 1.2); | ( -134.4, | 205.1, | 0.0, | 1.2); |
| ( -141.4, | 198.0, | 0.0, | 1.2); | ( -148.5, | 190.9, | 0.0, | 1.2); |
| ( -152.0, | 187.4, | 0.0, | 1.2); | ( -155.6, | 183.9, | 0.0, | 1.2); |
| ( -157.7, | 181.7, | 0.0, | 1.2); | ( -159.1, | 180.3, | 0.0, | 1.2); |
| ( -160.5, | 178.9, | 0.0, | 1.2); | ( -161.9, | 177.5, | 0.0, | 1.2); |
| ( -163.3, | 176.1, | 0.0, | 1.2); | ( -176.1, | 163.3, | 0.0, | 1.2); |
| ( -177.5, | 161.9, | 0.0, | 1.2); | ( -178.9, | 160.5, | 0.0, | 1.2); |
| ( -180.3, | 159.1, | 0.0, | 1.2); | ( -181.7, | 157.7, | 0.0, | 1.2); |
| ( -183.9, | 155.6, | 0.0, | 1.2); | ( -187.4, | 152.0, | 0.0, | 1.2); |
| ( -190.9, | 148.5, | 0.0, | 1.2); | ( -198.0, | 141.4, | 0.0, | 1.2); |
| ( -205.1, | 134.4, | 0.0, | 1.2); | ( -212.1, | 127.3, | 0.0, | 1.2); |
| ( -219.2, | 120.2, | 0.0, | 1.2); | ( -226.3, | 113.1, | 0.0, | 1.2); |
| ( -233.4, | 106.1, | 0.0, | 1.2); | ( -240.4, | 99.0,  | 0.0, | 1.2); |
| ( -91.9,  | 233.4, | 0.0, | 1.2); | ( -99.0,  | 226.3, | 0.0, | 1.2); |
| ( -106.1, | 219.2, | 0.0, | 1.2); | ( -113.1, | 212.1, | 0.0, | 1.2); |
| ( -120.2, | 205.1, | 0.0, | 1.2); | ( -127.3, | 198.0, | 0.0, | 1.2); |
| ( -134.4, | 190.9, | 0.0, | 1.2); | ( -141.4, | 183.9, | 0.0, | 1.2); |
| ( -145.0, | 180.3, | 0.0, | 1.2); | ( -148.5, | 176.8, | 0.0, | 1.2); |
| ( -150.6, | 174.7, | 0.0, | 1.2); | ( -152.0, | 173.2, | 0.0, | 1.2); |
| ( -153.4, | 171.8, | 0.0, | 1.2); | ( -154.9, | 170.4, | 0.0, | 1.2); |
| ( -156.3, | 169.0, | 0.0, | 1.2); | ( -169.0, | 156.3, | 0.0, | 1.2); |
| ( -170.4, | 154.9, | 0.0, | 1.2); | ( -171.8, | 153.4, | 0.0, | 1.2); |
| ( -173.2, | 152.0, | 0.0, | 1.2); | ( -174.7, | 150.6, | 0.0, | 1.2); |
| ( -176.8, | 148.5, | 0.0, | 1.2); | ( -180.3, | 145.0, | 0.0, | 1.2); |
| ( -183.9, | 141.4, | 0.0, | 1.2); | ( -190.9, | 134.4, | 0.0, | 1.2); |
| ( -198.0, | 127.3, | 0.0, | 1.2); | ( -205.1, | 120.2, | 0.0, | 1.2); |
| ( -212.1, | 113.1, | 0.0, | 1.2); | ( -219.2, | 106.1, | 0.0, | 1.2); |
| ( -226.3, | 99.0,  | 0.0, | 1.2); | ( -233.4, | 91.9,  | 0.0, | 1.2); |

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZFLAG)  
(METERS)

|                             |                             |
|-----------------------------|-----------------------------|
| ( -84.8, 226.3, 0.0, 1.2);  | ( -91.9, 219.2, 0.0, 1.2);  |
| ( -99.0, 212.1, 0.0, 1.2);  | ( -106.1, 205.1, 0.0, 1.2); |
| ( -113.1, 198.0, 0.0, 1.2); | ( -120.2, 190.9, 0.0, 1.2); |
| ( -127.3, 183.9, 0.0, 1.2); | ( -134.4, 176.8, 0.0, 1.2); |
| ( -137.9, 173.2, 0.0, 1.2); | ( -141.4, 169.7, 0.0, 1.2); |
| ( -143.5, 167.6, 0.0, 1.2); | ( -145.0, 166.2, 0.0, 1.2); |
| ( -146.4, 164.8, 0.0, 1.2); | ( -147.8, 163.3, 0.0, 1.2); |
| ( -149.2, 161.9, 0.0, 1.2); | ( -161.9, 149.2, 0.0, 1.2); |
| ( -163.3, 147.8, 0.0, 1.2); | ( -164.8, 146.4, 0.0, 1.2); |
| ( -166.2, 145.0, 0.0, 1.2); | ( -167.6, 143.5, 0.0, 1.2); |
| ( -169.7, 141.4, 0.0, 1.2); | ( -173.2, 137.9, 0.0, 1.2); |
| ( -176.8, 134.4, 0.0, 1.2); | ( -183.9, 127.3, 0.0, 1.2); |
| ( -190.9, 120.2, 0.0, 1.2); | ( -198.0, 113.1, 0.0, 1.2); |
| ( -205.1, 106.1, 0.0, 1.2); | ( -212.1, 99.0, 0.0, 1.2);  |
| ( -219.2, 91.9, 0.0, 1.2);  | ( -226.3, 84.8, 0.0, 1.2);  |
| ( -77.8, 219.2, 0.0, 1.2);  | ( -84.8, 212.1, 0.0, 1.2);  |
| ( -91.9, 205.1, 0.0, 1.2);  | ( -99.0, 198.0, 0.0, 1.2);  |
| ( -106.1, 190.9, 0.0, 1.2); | ( -113.1, 183.9, 0.0, 1.2); |
| ( -120.2, 176.8, 0.0, 1.2); | ( -127.3, 169.7, 0.0, 1.2); |
| ( -130.8, 166.2, 0.0, 1.2); | ( -134.4, 162.6, 0.0, 1.2); |
| ( -136.5, 160.5, 0.0, 1.2); | ( -137.9, 159.1, 0.0, 1.2); |
| ( -139.3, 157.7, 0.0, 1.2); | ( -140.7, 156.3, 0.0, 1.2); |
| ( -142.1, 154.9, 0.0, 1.2); | ( -154.9, 142.1, 0.0, 1.2); |
| ( -156.3, 140.7, 0.0, 1.2); | ( -157.7, 139.3, 0.0, 1.2); |
| ( -159.1, 137.9, 0.0, 1.2); | ( -160.5, 136.5, 0.0, 1.2); |
| ( -162.6, 134.4, 0.0, 1.2); | ( -166.2, 130.8, 0.0, 1.2); |
| ( -169.7, 127.3, 0.0, 1.2); | ( -176.8, 120.2, 0.0, 1.2); |
| ( -183.9, 113.1, 0.0, 1.2); | ( -190.9, 106.1, 0.0, 1.2); |
| ( -198.0, 99.0, 0.0, 1.2);  | ( -205.1, 91.9, 0.0, 1.2);  |
| ( -212.1, 84.8, 0.0, 1.2);  | ( -219.2, 77.8, 0.0, 1.2);  |
| ( -70.7, 212.1, 0.0, 1.2);  | ( -77.8, 205.1, 0.0, 1.2);  |
| ( -84.8, 198.0, 0.0, 1.2);  | ( -91.9, 190.9, 0.0, 1.2);  |
| ( -99.0, 183.9, 0.0, 1.2);  | ( -106.1, 176.8, 0.0, 1.2); |
| ( -113.1, 169.7, 0.0, 1.2); | ( -120.2, 162.6, 0.0, 1.2); |
| ( -123.7, 159.1, 0.0, 1.2); | ( -127.3, 155.6, 0.0, 1.2); |
| ( -129.4, 153.4, 0.0, 1.2); | ( -130.8, 152.0, 0.0, 1.2); |
| ( -132.2, 150.6, 0.0, 1.2); | ( -133.6, 149.2, 0.0, 1.2); |
| ( -135.1, 147.8, 0.0, 1.2); | ( -147.8, 135.1, 0.0, 1.2); |
| ( -149.2, 133.6, 0.0, 1.2); | ( -150.6, 132.2, 0.0, 1.2); |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|           |        |      |       |           |        |      |       |
|-----------|--------|------|-------|-----------|--------|------|-------|
| ( -152.0, | 130.8, | 0.0, | 1.2); | ( -153.4, | 129.4, | 0.0, | 1.2); |
| ( -155.6, | 127.3, | 0.0, | 1.2); | ( -159.1, | 123.7, | 0.0, | 1.2); |
| ( -162.6, | 120.2, | 0.0, | 1.2); | ( -169.7, | 113.1, | 0.0, | 1.2); |
| ( -176.8, | 106.1, | 0.0, | 1.2); | ( -183.9, | 99.0,  | 0.0, | 1.2); |
| ( -190.9, | 91.9,  | 0.0, | 1.2); | ( -198.0, | 84.8,  | 0.0, | 1.2); |
| ( -205.1, | 77.8,  | 0.0, | 1.2); | ( -212.1, | 70.7,  | 0.0, | 1.2); |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTs:

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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZFLAG)  
 (METERS)

|           |        |      |       |           |        |      |       |
|-----------|--------|------|-------|-----------|--------|------|-------|
| ( -63.6,  | 205.1, | 0.0, | 1.2); | ( -70.7,  | 198.0, | 0.0, | 1.2); |
| ( -77.8,  | 190.9, | 0.0, | 1.2); | ( -84.8,  | 183.9, | 0.0, | 1.2); |
| ( -91.9,  | 176.8, | 0.0, | 1.2); | ( -99.0,  | 169.7, | 0.0, | 1.2); |
| ( -106.1, | 162.6, | 0.0, | 1.2); | ( -113.1, | 155.6, | 0.0, | 1.2); |
| ( -116.7, | 152.0, | 0.0, | 1.2); | ( -120.2, | 148.5, | 0.0, | 1.2); |
| ( -122.3, | 146.4, | 0.0, | 1.2); | ( -123.7, | 145.0, | 0.0, | 1.2); |
| ( -125.2, | 143.5, | 0.0, | 1.2); | ( -126.6, | 142.1, | 0.0, | 1.2); |
| ( -128.0, | 140.7, | 0.0, | 1.2); | ( -140.7, | 128.0, | 0.0, | 1.2); |
| ( -142.1, | 126.6, | 0.0, | 1.2); | ( -143.5, | 125.2, | 0.0, | 1.2); |
| ( -145.0, | 123.7, | 0.0, | 1.2); | ( -146.4, | 122.3, | 0.0, | 1.2); |
| ( -148.5, | 120.2, | 0.0, | 1.2); | ( -152.0, | 116.7, | 0.0, | 1.2); |
| ( -155.6, | 113.1, | 0.0, | 1.2); | ( -162.6, | 106.1, | 0.0, | 1.2); |
| ( -169.7, | 99.0,  | 0.0, | 1.2); | ( -176.8, | 91.9,  | 0.0, | 1.2); |
| ( -183.9, | 84.8,  | 0.0, | 1.2); | ( -190.9, | 77.8,  | 0.0, | 1.2); |
| ( -198.0, | 70.7,  | 0.0, | 1.2); | ( -205.1, | 63.6,  | 0.0, | 1.2); |
| ( -56.6,  | 198.0, | 0.0, | 1.2); | ( -63.6,  | 190.9, | 0.0, | 1.2); |
| ( -70.7,  | 183.9, | 0.0, | 1.2); | ( -77.8,  | 176.8, | 0.0, | 1.2); |
| ( -84.8,  | 169.7, | 0.0, | 1.2); | ( -91.9,  | 162.6, | 0.0, | 1.2); |
| ( -99.0,  | 155.6, | 0.0, | 1.2); | ( -106.1, | 148.5, | 0.0, | 1.2); |
| ( -109.6, | 145.0, | 0.0, | 1.2); | ( -113.1, | 141.4, | 0.0, | 1.2); |
| ( -115.3, | 139.3, | 0.0, | 1.2); | ( -116.7, | 137.9, | 0.0, | 1.2); |
| ( -118.1, | 136.5, | 0.0, | 1.2); | ( -119.5, | 135.1, | 0.0, | 1.2); |
| ( -120.9, | 133.6, | 0.0, | 1.2); | ( -133.6, | 120.9, | 0.0, | 1.2); |
| ( -135.1, | 119.5, | 0.0, | 1.2); | ( -136.5, | 118.1, | 0.0, | 1.2); |
| ( -137.9, | 116.7, | 0.0, | 1.2); | ( -139.3, | 115.3, | 0.0, | 1.2); |
| ( -141.4, | 113.1, | 0.0, | 1.2); | ( -145.0, | 109.6, | 0.0, | 1.2); |
| ( -148.5, | 106.1, | 0.0, | 1.2); | ( -155.6, | 99.0,  | 0.0, | 1.2); |
| ( -162.6, | 91.9,  | 0.0, | 1.2); | ( -169.7, | 84.8,  | 0.0, | 1.2); |
| ( -176.8, | 77.8,  | 0.0, | 1.2); | ( -183.9, | 70.7,  | 0.0, | 1.2); |
| ( -190.9, | 63.6,  | 0.0, | 1.2); | ( -198.0, | 56.6,  | 0.0, | 1.2); |
| ( -49.5,  | 190.9, | 0.0, | 1.2); | ( -56.6,  | 183.9, | 0.0, | 1.2); |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|           |        |      |       |           |        |      |       |
|-----------|--------|------|-------|-----------|--------|------|-------|
| ( -63.6,  | 176.8, | 0.0, | 1.2); | ( -70.7,  | 169.7, | 0.0, | 1.2); |
| ( -77.8,  | 162.6, | 0.0, | 1.2); | ( -84.8,  | 155.6, | 0.0, | 1.2); |
| ( -91.9,  | 148.5, | 0.0, | 1.2); | ( -99.0,  | 141.4, | 0.0, | 1.2); |
| ( -102.5, | 137.9, | 0.0, | 1.2); | ( -106.1, | 134.4, | 0.0, | 1.2); |
| ( -108.2, | 132.2, | 0.0, | 1.2); | ( -109.6, | 130.8, | 0.0, | 1.2); |
| ( -111.0, | 129.4, | 0.0, | 1.2); | ( -112.4, | 128.0, | 0.0, | 1.2); |
| ( -113.8, | 126.6, | 0.0, | 1.2); | ( -126.6, | 113.8, | 0.0, | 1.2); |
| ( -128.0, | 112.4, | 0.0, | 1.2); | ( -129.4, | 111.0, | 0.0, | 1.2); |
| ( -130.8, | 109.6, | 0.0, | 1.2); | ( -132.2, | 108.2, | 0.0, | 1.2); |
| ( -134.4, | 106.1, | 0.0, | 1.2); | ( -137.9, | 102.5, | 0.0, | 1.2); |
| ( -141.4, | 99.0,  | 0.0, | 1.2); | ( -148.5, | 91.9,  | 0.0, | 1.2); |
| ( -155.6, | 84.8,  | 0.0, | 1.2); | ( -162.6, | 77.8,  | 0.0, | 1.2); |
| ( -169.7, | 70.7,  | 0.0, | 1.2); | ( -176.8, | 63.6,  | 0.0, | 1.2); |
| ( -183.9, | 56.6,  | 0.0, | 1.2); | ( -190.9, | 49.5,  | 0.0, | 1.2); |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
 PAGE 7  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZFLAG)  
 (METERS)

|           |        |      |       |           |        |      |       |
|-----------|--------|------|-------|-----------|--------|------|-------|
| ( -42.4,  | 183.9, | 0.0, | 1.2); | ( -49.5,  | 176.8, | 0.0, | 1.2); |
| ( -56.6,  | 169.7, | 0.0, | 1.2); | ( -63.6,  | 162.6, | 0.0, | 1.2); |
| ( -70.7,  | 155.6, | 0.0, | 1.2); | ( -77.8,  | 148.5, | 0.0, | 1.2); |
| ( -84.8,  | 141.4, | 0.0, | 1.2); | ( -91.9,  | 134.4, | 0.0, | 1.2); |
| ( -95.5,  | 130.8, | 0.0, | 1.2); | ( -99.0,  | 127.3, | 0.0, | 1.2); |
| ( -101.1, | 125.2, | 0.0, | 1.2); | ( -102.5, | 123.7, | 0.0, | 1.2); |
| ( -103.9, | 122.3, | 0.0, | 1.2); | ( -105.4, | 120.9, | 0.0, | 1.2); |
| ( -106.8, | 119.5, | 0.0, | 1.2); | ( -119.5, | 106.8, | 0.0, | 1.2); |
| ( -120.9, | 105.4, | 0.0, | 1.2); | ( -122.3, | 103.9, | 0.0, | 1.2); |
| ( -123.7, | 102.5, | 0.0, | 1.2); | ( -125.2, | 101.1, | 0.0, | 1.2); |
| ( -127.3, | 99.0,  | 0.0, | 1.2); | ( -130.8, | 95.5,  | 0.0, | 1.2); |
| ( -134.4, | 91.9,  | 0.0, | 1.2); | ( -141.4, | 84.8,  | 0.0, | 1.2); |
| ( -148.5, | 77.8,  | 0.0, | 1.2); | ( -155.6, | 70.7,  | 0.0, | 1.2); |
| ( -162.6, | 63.6,  | 0.0, | 1.2); | ( -169.7, | 56.6,  | 0.0, | 1.2); |
| ( -176.8, | 49.5,  | 0.0, | 1.2); | ( -183.9, | 42.4,  | 0.0, | 1.2); |
| ( -35.4,  | 176.8, | 0.0, | 1.2); | ( -42.4,  | 169.7, | 0.0, | 1.2); |
| ( -49.5,  | 162.6, | 0.0, | 1.2); | ( -56.6,  | 155.6, | 0.0, | 1.2); |
| ( -63.6,  | 148.5, | 0.0, | 1.2); | ( -70.7,  | 141.4, | 0.0, | 1.2); |
| ( -77.8,  | 134.4, | 0.0, | 1.2); | ( -84.8,  | 127.3, | 0.0, | 1.2); |
| ( -88.4,  | 123.7, | 0.0, | 1.2); | ( -91.9,  | 120.2, | 0.0, | 1.2); |
| ( -94.1,  | 118.1, | 0.0, | 1.2); | ( -95.5,  | 116.7, | 0.0, | 1.2); |
| ( -96.9,  | 115.3, | 0.0, | 1.2); | ( -98.3,  | 113.8, | 0.0, | 1.2); |
| ( -99.7,  | 112.4, | 0.0, | 1.2); | ( -112.4, | 99.7,  | 0.0, | 1.2); |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|           |        |      |       |           |        |      |       |
|-----------|--------|------|-------|-----------|--------|------|-------|
| ( -113.8, | 98.3,  | 0.0, | 1.2); | ( -115.3, | 96.9,  | 0.0, | 1.2); |
| ( -116.7, | 95.5,  | 0.0, | 1.2); | ( -118.1, | 94.1,  | 0.0, | 1.2); |
| ( -120.2, | 91.9,  | 0.0, | 1.2); | ( -123.7, | 88.4,  | 0.0, | 1.2); |
| ( -127.3, | 84.8,  | 0.0, | 1.2); | ( -134.4, | 77.8,  | 0.0, | 1.2); |
| ( -141.4, | 70.7,  | 0.0, | 1.2); | ( -148.5, | 63.6,  | 0.0, | 1.2); |
| ( -155.6, | 56.6,  | 0.0, | 1.2); | ( -162.6, | 49.5,  | 0.0, | 1.2); |
| ( -169.7, | 42.4,  | 0.0, | 1.2); | ( -176.8, | 35.4,  | 0.0, | 1.2); |
| ( -28.3,  | 169.7, | 0.0, | 1.2); | ( -35.4,  | 162.6, | 0.0, | 1.2); |
| ( -42.4,  | 155.6, | 0.0, | 1.2); | ( -49.5,  | 148.5, | 0.0, | 1.2); |
| ( -56.6,  | 141.4, | 0.0, | 1.2); | ( -63.6,  | 134.4, | 0.0, | 1.2); |
| ( -70.7,  | 127.3, | 0.0, | 1.2); | ( -77.8,  | 120.2, | 0.0, | 1.2); |
| ( -81.3,  | 116.7, | 0.0, | 1.2); | ( -84.8,  | 113.1, | 0.0, | 1.2); |
| ( -87.0,  | 111.0, | 0.0, | 1.2); | ( -88.4,  | 109.6, | 0.0, | 1.2); |
| ( -89.8,  | 108.2, | 0.0, | 1.2); | ( -91.2,  | 106.8, | 0.0, | 1.2); |
| ( -92.6,  | 105.4, | 0.0, | 1.2); | ( -105.4, | 92.6,  | 0.0, | 1.2); |
| ( -106.8, | 91.2,  | 0.0, | 1.2); | ( -108.2, | 89.8,  | 0.0, | 1.2); |
| ( -109.6, | 88.4,  | 0.0, | 1.2); | ( -111.0, | 87.0,  | 0.0, | 1.2); |
| ( -113.1, | 84.8,  | 0.0, | 1.2); | ( -116.7, | 81.3,  | 0.0, | 1.2); |
| ( -120.2, | 77.8,  | 0.0, | 1.2); | ( -127.3, | 70.7,  | 0.0, | 1.2); |
| ( -134.4, | 63.6,  | 0.0, | 1.2); | ( -141.4, | 56.6,  | 0.0, | 1.2); |
| ( -148.5, | 49.5,  | 0.0, | 1.2); | ( -155.6, | 42.4,  | 0.0, | 1.2); |
| ( -162.6, | 35.4,  | 0.0, | 1.2); | ( -169.7, | 28.3,  | 0.0, | 1.2); |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
 PAGE 8  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZFLAG)  
 (METERS)

|           |        |      |       |           |        |      |       |
|-----------|--------|------|-------|-----------|--------|------|-------|
| ( -21.2,  | 162.6, | 0.0, | 1.2); | ( -28.3,  | 155.6, | 0.0, | 1.2); |
| ( -35.4,  | 148.5, | 0.0, | 1.2); | ( -42.4,  | 141.4, | 0.0, | 1.2); |
| ( -49.5,  | 134.4, | 0.0, | 1.2); | ( -56.6,  | 127.3, | 0.0, | 1.2); |
| ( -63.6,  | 120.2, | 0.0, | 1.2); | ( -70.7,  | 113.1, | 0.0, | 1.2); |
| ( -74.2,  | 109.6, | 0.0, | 1.2); | ( -77.8,  | 106.1, | 0.0, | 1.2); |
| ( -79.9,  | 103.9, | 0.0, | 1.2); | ( -81.3,  | 102.5, | 0.0, | 1.2); |
| ( -82.7,  | 101.1, | 0.0, | 1.2); | ( -84.2,  | 99.7,  | 0.0, | 1.2); |
| ( -85.6,  | 98.3,  | 0.0, | 1.2); | ( -98.3,  | 85.6,  | 0.0, | 1.2); |
| ( -99.7,  | 84.2,  | 0.0, | 1.2); | ( -101.1, | 82.7,  | 0.0, | 1.2); |
| ( -102.5, | 81.3,  | 0.0, | 1.2); | ( -103.9, | 79.9,  | 0.0, | 1.2); |
| ( -106.1, | 77.8,  | 0.0, | 1.2); | ( -109.6, | 74.2,  | 0.0, | 1.2); |
| ( -113.1, | 70.7,  | 0.0, | 1.2); | ( -120.2, | 63.6,  | 0.0, | 1.2); |
| ( -127.3, | 56.6,  | 0.0, | 1.2); | ( -134.4, | 49.5,  | 0.0, | 1.2); |
| ( -141.4, | 42.4,  | 0.0, | 1.2); | ( -148.5, | 35.4,  | 0.0, | 1.2); |
| ( -155.6, | 28.3,  | 0.0, | 1.2); | ( -162.6, | 21.2,  | 0.0, | 1.2); |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|           |        |      |       |           |        |      |       |
|-----------|--------|------|-------|-----------|--------|------|-------|
| ( -14.1,  | 155.6, | 0.0, | 1.2); | ( -21.2,  | 148.5, | 0.0, | 1.2); |
| ( -28.3,  | 141.4, | 0.0, | 1.2); | ( -35.4,  | 134.4, | 0.0, | 1.2); |
| ( -42.4,  | 127.3, | 0.0, | 1.2); | ( -49.5,  | 120.2, | 0.0, | 1.2); |
| ( -56.6,  | 113.1, | 0.0, | 1.2); | ( -63.6,  | 106.1, | 0.0, | 1.2); |
| ( -67.2,  | 102.5, | 0.0, | 1.2); | ( -70.7,  | 99.0,  | 0.0, | 1.2); |
| ( -72.8,  | 96.9,  | 0.0, | 1.2); | ( -74.2,  | 95.5,  | 0.0, | 1.2); |
| ( -75.7,  | 94.1,  | 0.0, | 1.2); | ( -77.1,  | 92.6,  | 0.0, | 1.2); |
| ( -78.5,  | 91.2,  | 0.0, | 1.2); | ( -91.2,  | 78.5,  | 0.0, | 1.2); |
| ( -92.6,  | 77.1,  | 0.0, | 1.2); | ( -94.1,  | 75.7,  | 0.0, | 1.2); |
| ( -95.5,  | 74.2,  | 0.0, | 1.2); | ( -96.9,  | 72.8,  | 0.0, | 1.2); |
| ( -99.0,  | 70.7,  | 0.0, | 1.2); | ( -102.5, | 67.2,  | 0.0, | 1.2); |
| ( -106.1, | 63.6,  | 0.0, | 1.2); | ( -113.1, | 56.6,  | 0.0, | 1.2); |
| ( -120.2, | 49.5,  | 0.0, | 1.2); | ( -127.3, | 42.4,  | 0.0, | 1.2); |
| ( -134.4, | 35.4,  | 0.0, | 1.2); | ( -141.4, | 28.3,  | 0.0, | 1.2); |
| ( -148.5, | 21.2,  | 0.0, | 1.2); | ( -155.6, | 14.1,  | 0.0, | 1.2); |
| ( -7.1,   | 148.5, | 0.0, | 1.2); | ( -14.1,  | 141.4, | 0.0, | 1.2); |
| ( -21.2,  | 134.4, | 0.0, | 1.2); | ( -28.3,  | 127.3, | 0.0, | 1.2); |
| ( -35.4,  | 120.2, | 0.0, | 1.2); | ( -42.4,  | 113.1, | 0.0, | 1.2); |
| ( -49.5,  | 106.1, | 0.0, | 1.2); | ( -56.6,  | 99.0,  | 0.0, | 1.2); |
| ( -60.1,  | 95.5,  | 0.0, | 1.2); | ( -63.6,  | 91.9,  | 0.0, | 1.2); |
| ( -65.8,  | 89.8,  | 0.0, | 1.2); | ( -67.2,  | 88.4,  | 0.0, | 1.2); |
| ( -68.6,  | 87.0,  | 0.0, | 1.2); | ( -70.0,  | 85.6,  | 0.0, | 1.2); |
| ( -71.4,  | 84.2,  | 0.0, | 1.2); | ( -84.2,  | 71.4,  | 0.0, | 1.2); |
| ( -85.6,  | 70.0,  | 0.0, | 1.2); | ( -87.0,  | 68.6,  | 0.0, | 1.2); |
| ( -88.4,  | 67.2,  | 0.0, | 1.2); | ( -89.8,  | 65.8,  | 0.0, | 1.2); |
| ( -91.9,  | 63.6,  | 0.0, | 1.2); | ( -95.5,  | 60.1,  | 0.0, | 1.2); |
| ( -99.0,  | 56.6,  | 0.0, | 1.2); | ( -106.1, | 49.5,  | 0.0, | 1.2); |
| ( -113.1, | 42.4,  | 0.0, | 1.2); | ( -120.2, | 35.4,  | 0.0, | 1.2); |
| ( -127.3, | 28.3,  | 0.0, | 1.2); | ( -134.4, | 21.2,  | 0.0, | 1.2); |
| ( -141.4, | 14.1,  | 0.0, | 1.2); | ( -148.5, | 7.1,   | 0.0, | 1.2); |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*

04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTs:  
PAGE 9

CONC URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZFLAG)  
(METERS)

|          |        |      |       |          |        |      |       |
|----------|--------|------|-------|----------|--------|------|-------|
| ( 0.0,   | 141.4, | 0.0, | 1.2); | ( -7.1,  | 134.4, | 0.0, | 1.2); |
| ( -14.1, | 127.3, | 0.0, | 1.2); | ( -21.2, | 120.2, | 0.0, | 1.2); |
| ( -28.3, | 113.1, | 0.0, | 1.2); | ( -35.4, | 106.1, | 0.0, | 1.2); |
| ( -42.4, | 99.0,  | 0.0, | 1.2); | ( -49.5, | 91.9,  | 0.0, | 1.2); |
| ( -53.0, | 88.4,  | 0.0, | 1.2); | ( -56.6, | 84.8,  | 0.0, | 1.2); |
| ( -58.7, | 82.7,  | 0.0, | 1.2); | ( -60.1, | 81.3,  | 0.0, | 1.2); |
| ( -61.5, | 79.9,  | 0.0, | 1.2); | ( -62.9, | 78.5,  | 0.0, | 1.2); |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|           |        |      |       |           |        |      |       |
|-----------|--------|------|-------|-----------|--------|------|-------|
| ( -64.3,  | 77.1,  | 0.0, | 1.2); | ( -77.1,  | 64.3,  | 0.0, | 1.2); |
| ( -78.5,  | 62.9,  | 0.0, | 1.2); | ( -79.9,  | 61.5,  | 0.0, | 1.2); |
| ( -81.3,  | 60.1,  | 0.0, | 1.2); | ( -82.7,  | 58.7,  | 0.0, | 1.2); |
| ( -84.8,  | 56.6,  | 0.0, | 1.2); | ( -88.4,  | 53.0,  | 0.0, | 1.2); |
| ( -91.9,  | 49.5,  | 0.0, | 1.2); | ( -99.0,  | 42.4,  | 0.0, | 1.2); |
| ( -106.1, | 35.4,  | 0.0, | 1.2); | ( -113.1, | 28.3,  | 0.0, | 1.2); |
| ( -120.2, | 21.2,  | 0.0, | 1.2); | ( -127.3, | 14.1,  | 0.0, | 1.2); |
| ( -134.4, | 7.1,   | 0.0, | 1.2); | ( -141.4, | 0.0,   | 0.0, | 1.2); |
| ( 7.1,    | 134.4, | 0.0, | 1.2); | ( 0.0,    | 127.3, | 0.0, | 1.2); |
| ( -7.1,   | 120.2, | 0.0, | 1.2); | ( -14.1,  | 113.1, | 0.0, | 1.2); |
| ( -21.2,  | 106.1, | 0.0, | 1.2); | ( -28.3,  | 99.0,  | 0.0, | 1.2); |
| ( -35.4,  | 91.9,  | 0.0, | 1.2); | ( -42.4,  | 84.8,  | 0.0, | 1.2); |
| ( -46.0,  | 81.3,  | 0.0, | 1.2); | ( -49.5,  | 77.8,  | 0.0, | 1.2); |
| ( -51.6,  | 75.7,  | 0.0, | 1.2); | ( -53.0,  | 74.2,  | 0.0, | 1.2); |
| ( -54.5,  | 72.8,  | 0.0, | 1.2); | ( -55.9,  | 71.4,  | 0.0, | 1.2); |
| ( -57.3,  | 70.0,  | 0.0, | 1.2); | ( -70.0,  | 57.3,  | 0.0, | 1.2); |
| ( -71.4,  | 55.9,  | 0.0, | 1.2); | ( -72.8,  | 54.5,  | 0.0, | 1.2); |
| ( -74.2,  | 53.0,  | 0.0, | 1.2); | ( -75.7,  | 51.6,  | 0.0, | 1.2); |
| ( -77.8,  | 49.5,  | 0.0, | 1.2); | ( -81.3,  | 46.0,  | 0.0, | 1.2); |
| ( -84.8,  | 42.4,  | 0.0, | 1.2); | ( -91.9,  | 35.4,  | 0.0, | 1.2); |
| ( -99.0,  | 28.3,  | 0.0, | 1.2); | ( -106.1, | 21.2,  | 0.0, | 1.2); |
| ( -113.1, | 14.1,  | 0.0, | 1.2); | ( -120.2, | 7.1,   | 0.0, | 1.2); |
| ( -127.3, | 0.0,   | 0.0, | 1.2); | ( -134.4, | -7.1,  | 0.0, | 1.2); |
| ( 14.1,   | 127.3, | 0.0, | 1.2); | ( 7.1,    | 120.2, | 0.0, | 1.2); |
| ( 0.0,    | 113.1, | 0.0, | 1.2); | ( -7.1,   | 106.1, | 0.0, | 1.2); |
| ( -14.1,  | 99.0,  | 0.0, | 1.2); | ( -21.2,  | 91.9,  | 0.0, | 1.2); |
| ( -28.3,  | 84.8,  | 0.0, | 1.2); | ( -35.4,  | 77.8,  | 0.0, | 1.2); |
| ( -38.9,  | 74.2,  | 0.0, | 1.2); | ( -42.4,  | 70.7,  | 0.0, | 1.2); |
| ( -44.5,  | 68.6,  | 0.0, | 1.2); | ( -46.0,  | 67.2,  | 0.0, | 1.2); |
| ( -47.4,  | 65.8,  | 0.0, | 1.2); | ( -48.8,  | 64.3,  | 0.0, | 1.2); |
| ( -50.2,  | 62.9,  | 0.0, | 1.2); | ( -62.9,  | 50.2,  | 0.0, | 1.2); |
| ( -64.3,  | 48.8,  | 0.0, | 1.2); | ( -65.8,  | 47.4,  | 0.0, | 1.2); |
| ( -67.2,  | 46.0,  | 0.0, | 1.2); | ( -68.6,  | 44.5,  | 0.0, | 1.2); |
| ( -70.7,  | 42.4,  | 0.0, | 1.2); | ( -74.2,  | 38.9,  | 0.0, | 1.2); |
| ( -77.8,  | 35.4,  | 0.0, | 1.2); | ( -84.8,  | 28.3,  | 0.0, | 1.2); |
| ( -91.9,  | 21.2,  | 0.0, | 1.2); | ( -99.0,  | 14.1,  | 0.0, | 1.2); |
| ( -106.1, | 7.1,   | 0.0, | 1.2); | ( -113.1, | 0.0,   | 0.0, | 1.2); |
| ( -120.2, | -7.1,  | 0.0, | 1.2); | ( -127.3, | -14.1, | 0.0, | 1.2); |

1 \*\*\* ISCS T3 - VERSION 02035 \*\*\*  
04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

15:49:41

\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZFLAG)

20NCRA\_PL97-300\_DPM\_TRAV\_ANN SE-NW Bound  
(METERS)

|                             |                             |
|-----------------------------|-----------------------------|
| ( 21.2, 120.2, 0.0, 1.2);   | ( 14.1, 113.1, 0.0, 1.2);   |
| ( 7.1, 106.1, 0.0, 1.2);    | ( 0.0, 99.0, 0.0, 1.2);     |
| ( -7.1, 91.9, 0.0, 1.2);    | ( -14.1, 84.8, 0.0, 1.2);   |
| ( -21.2, 77.8, 0.0, 1.2);   | ( -28.3, 70.7, 0.0, 1.2);   |
| ( -31.8, 67.2, 0.0, 1.2);   | ( -35.4, 63.6, 0.0, 1.2);   |
| ( -37.5, 61.5, 0.0, 1.2);   | ( -38.9, 60.1, 0.0, 1.2);   |
| ( -40.3, 58.7, 0.0, 1.2);   | ( -41.7, 57.3, 0.0, 1.2);   |
| ( -43.1, 55.9, 0.0, 1.2);   | ( -55.9, 43.1, 0.0, 1.2);   |
| ( -57.3, 41.7, 0.0, 1.2);   | ( -58.7, 40.3, 0.0, 1.2);   |
| ( -60.1, 38.9, 0.0, 1.2);   | ( -61.5, 37.5, 0.0, 1.2);   |
| ( -63.6, 35.4, 0.0, 1.2);   | ( -67.2, 31.8, 0.0, 1.2);   |
| ( -70.7, 28.3, 0.0, 1.2);   | ( -77.8, 21.2, 0.0, 1.2);   |
| ( -84.8, 14.1, 0.0, 1.2);   | ( -91.9, 7.1, 0.0, 1.2);    |
| ( -99.0, 0.0, 0.0, 1.2);    | ( -106.1, -7.1, 0.0, 1.2);  |
| ( -113.1, -14.1, 0.0, 1.2); | ( -120.2, -21.2, 0.0, 1.2); |
| ( 28.3, 113.1, 0.0, 1.2);   | ( 21.2, 106.1, 0.0, 1.2);   |
| ( 14.1, 99.0, 0.0, 1.2);    | ( 7.1, 91.9, 0.0, 1.2);     |
| ( 0.0, 84.8, 0.0, 1.2);     | ( -7.1, 77.8, 0.0, 1.2);    |
| ( -14.1, 70.7, 0.0, 1.2);   | ( -21.2, 63.6, 0.0, 1.2);   |
| ( -24.8, 60.1, 0.0, 1.2);   | ( -28.3, 56.6, 0.0, 1.2);   |
| ( -30.4, 54.5, 0.0, 1.2);   | ( -31.8, 53.0, 0.0, 1.2);   |
| ( -33.2, 51.6, 0.0, 1.2);   | ( -34.7, 50.2, 0.0, 1.2);   |
| ( -36.1, 48.8, 0.0, 1.2);   | ( -48.8, 36.1, 0.0, 1.2);   |
| ( -50.2, 34.7, 0.0, 1.2);   | ( -51.6, 33.2, 0.0, 1.2);   |
| ( -53.0, 31.8, 0.0, 1.2);   | ( -54.5, 30.4, 0.0, 1.2);   |
| ( -56.6, 28.3, 0.0, 1.2);   | ( -60.1, 24.8, 0.0, 1.2);   |
| ( -63.6, 21.2, 0.0, 1.2);   | ( -70.7, 14.1, 0.0, 1.2);   |
| ( -77.8, 7.1, 0.0, 1.2);    | ( -84.8, 0.0, 0.0, 1.2);    |
| ( -91.9, -7.1, 0.0, 1.2);   | ( -99.0, -14.1, 0.0, 1.2);  |
| ( -106.1, -21.2, 0.0, 1.2); | ( -113.1, -28.3, 0.0, 1.2); |
| ( 35.4, 106.1, 0.0, 1.2);   | ( 28.3, 99.0, 0.0, 1.2);    |
| ( 21.2, 91.9, 0.0, 1.2);    | ( 14.1, 84.8, 0.0, 1.2);    |
| ( 7.1, 77.8, 0.0, 1.2);     | ( 0.0, 70.7, 0.0, 1.2);     |
| ( -7.1, 63.6, 0.0, 1.2);    | ( -14.1, 56.6, 0.0, 1.2);   |
| ( -17.7, 53.0, 0.0, 1.2);   | ( -21.2, 49.5, 0.0, 1.2);   |
| ( -23.3, 47.4, 0.0, 1.2);   | ( -24.8, 46.0, 0.0, 1.2);   |
| ( -26.2, 44.5, 0.0, 1.2);   | ( -27.6, 43.1, 0.0, 1.2);   |
| ( -29.0, 41.7, 0.0, 1.2);   | ( -41.7, 29.0, 0.0, 1.2);   |
| ( -43.1, 27.6, 0.0, 1.2);   | ( -44.5, 26.2, 0.0, 1.2);   |
| ( -46.0, 24.8, 0.0, 1.2);   | ( -47.4, 23.3, 0.0, 1.2);   |
| ( -49.5, 21.2, 0.0, 1.2);   | ( -53.0, 17.7, 0.0, 1.2);   |
| ( -56.6, 14.1, 0.0, 1.2);   | ( -63.6, 7.1, 0.0, 1.2);    |
| ( -70.7, 0.0, 0.0, 1.2);    | ( -77.8, -7.1, 0.0, 1.2);   |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

( -84.8, -14.1, 0.0, 1.2); ( -91.9, -21.2, 0.0, 1.2);  
( -99.0, -28.3, 0.0, 1.2); ( -106.1, -35.4, 0.0, 1.2);

1 \*\*\* ICSCT3 - VERSION 02035 \*\*\*  
04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

15:49:41

\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZFLAG)  
(METERS)

( 42.4, 99.0, 0.0, 1.2); ( 35.4, 91.9, 0.0, 1.2);  
( 28.3, 84.8, 0.0, 1.2); ( 21.2, 77.8, 0.0, 1.2);  
( 14.1, 70.7, 0.0, 1.2); ( 7.1, 63.6, 0.0, 1.2);  
( 0.0, 56.6, 0.0, 1.2); ( -7.1, 49.5, 0.0, 1.2);  
( -10.6, 46.0, 0.0, 1.2); ( -14.1, 42.4, 0.0, 1.2);  
( -16.3, 40.3, 0.0, 1.2); ( -17.7, 38.9, 0.0, 1.2);  
( -19.1, 37.5, 0.0, 1.2); ( -20.5, 36.1, 0.0, 1.2);  
( -21.9, 34.7, 0.0, 1.2); ( -34.7, 21.9, 0.0, 1.2);  
( -36.1, 20.5, 0.0, 1.2); ( -37.5, 19.1, 0.0, 1.2);  
( -38.9, 17.7, 0.0, 1.2); ( -40.3, 16.3, 0.0, 1.2);  
( -42.4, 14.1, 0.0, 1.2); ( -46.0, 10.6, 0.0, 1.2);  
( -49.5, 7.1, 0.0, 1.2); ( -56.6, 0.0, 0.0, 1.2);  
( -63.6, -7.1, 0.0, 1.2); ( -70.7, -14.1, 0.0, 1.2);  
( -77.8, -21.2, 0.0, 1.2); ( -84.8, -28.3, 0.0, 1.2);  
( -91.9, -35.4, 0.0, 1.2); ( -99.0, -42.4, 0.0, 1.2);  
( 49.5, 91.9, 0.0, 1.2); ( 42.4, 84.8, 0.0, 1.2);  
( 35.4, 77.8, 0.0, 1.2); ( 28.3, 70.7, 0.0, 1.2);  
( 21.2, 63.6, 0.0, 1.2); ( 14.1, 56.6, 0.0, 1.2);  
( 7.1, 49.5, 0.0, 1.2); ( 0.0, 42.4, 0.0, 1.2);  
( -3.5, 38.9, 0.0, 1.2); ( -7.1, 35.4, 0.0, 1.2);  
( -9.2, 33.2, 0.0, 1.2); ( -10.6, 31.8, 0.0, 1.2);  
( -12.0, 30.4, 0.0, 1.2); ( -13.4, 29.0, 0.0, 1.2);  
( -14.9, 27.6, 0.0, 1.2); ( -27.6, 14.9, 0.0, 1.2);  
( -29.0, 13.4, 0.0, 1.2); ( -30.4, 12.0, 0.0, 1.2);  
( -31.8, 10.6, 0.0, 1.2); ( -33.2, 9.2, 0.0, 1.2);  
( -35.4, 7.1, 0.0, 1.2); ( -38.9, 3.5, 0.0, 1.2);  
( -42.4, 0.0, 0.0, 1.2); ( -49.5, -7.1, 0.0, 1.2);  
( -56.6, -14.1, 0.0, 1.2); ( -63.6, -21.2, 0.0, 1.2);  
( -70.7, -28.3, 0.0, 1.2); ( -77.8, -35.4, 0.0, 1.2);  
( -84.8, -42.4, 0.0, 1.2); ( -91.9, -49.5, 0.0, 1.2);  
( 56.6, 84.8, 0.0, 1.2); ( 49.5, 77.8, 0.0, 1.2);  
( 42.4, 70.7, 0.0, 1.2); ( 35.4, 63.6, 0.0, 1.2);  
( 28.3, 56.6, 0.0, 1.2); ( 21.2, 49.5, 0.0, 1.2);  
( 14.1, 42.4, 0.0, 1.2); ( 7.1, 35.4, 0.0, 1.2);  
( 3.5, 31.8, 0.0, 1.2); ( 0.0, 28.3, 0.0, 1.2);

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|          |        |      |       |          |        |      |       |
|----------|--------|------|-------|----------|--------|------|-------|
| ( -2.1,  | 26.2,  | 0.0, | 1.2); | ( -3.5,  | 24.8,  | 0.0, | 1.2); |
| ( -4.9,  | 23.3,  | 0.0, | 1.2); | ( -6.4,  | 21.9,  | 0.0, | 1.2); |
| ( -7.8,  | 20.5,  | 0.0, | 1.2); | ( -20.5, | 7.8,   | 0.0, | 1.2); |
| ( -21.9, | 6.4,   | 0.0, | 1.2); | ( -23.3, | 4.9,   | 0.0, | 1.2); |
| ( -24.8, | 3.5,   | 0.0, | 1.2); | ( -26.2, | 2.1,   | 0.0, | 1.2); |
| ( -28.3, | 0.0,   | 0.0, | 1.2); | ( -31.8, | -3.5,  | 0.0, | 1.2); |
| ( -35.4, | -7.1,  | 0.0, | 1.2); | ( -42.4, | -14.1, | 0.0, | 1.2); |
| ( -49.5, | -21.2, | 0.0, | 1.2); | ( -56.6, | -28.3, | 0.0, | 1.2); |
| ( -63.6, | -35.4, | 0.0, | 1.2); | ( -70.7, | -42.4, | 0.0, | 1.2); |
| ( -77.8, | -49.5, | 0.0, | 1.2); | ( -84.8, | -56.6, | 0.0, | 1.2); |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41

\*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZFLAG)  
 (METERS)

|          |        |      |       |          |        |      |       |
|----------|--------|------|-------|----------|--------|------|-------|
| ( 63.6,  | 77.8,  | 0.0, | 1.2); | ( 56.6,  | 70.7,  | 0.0, | 1.2); |
| ( 49.5,  | 63.6,  | 0.0, | 1.2); | ( 42.4,  | 56.6,  | 0.0, | 1.2); |
| ( 35.4,  | 49.5,  | 0.0, | 1.2); | ( 28.3,  | 42.4,  | 0.0, | 1.2); |
| ( 21.2,  | 35.4,  | 0.0, | 1.2); | ( 14.1,  | 28.3,  | 0.0, | 1.2); |
| ( 10.6,  | 24.8,  | 0.0, | 1.2); | ( 7.1,   | 21.2,  | 0.0, | 1.2); |
| ( 4.9,   | 19.1,  | 0.0, | 1.2); | ( 3.5,   | 17.7,  | 0.0, | 1.2); |
| ( 2.1,   | 16.3,  | 0.0, | 1.2); | ( 0.7,   | 14.9,  | 0.0, | 1.2); |
| ( -0.7,  | 13.4,  | 0.0, | 1.2); | ( -13.4, | 0.7,   | 0.0, | 1.2); |
| ( -14.9, | -0.7,  | 0.0, | 1.2); | ( -16.3, | -2.1,  | 0.0, | 1.2); |
| ( -17.7, | -3.5,  | 0.0, | 1.2); | ( -19.1, | -4.9,  | 0.0, | 1.2); |
| ( -21.2, | -7.1,  | 0.0, | 1.2); | ( -24.8, | -10.6, | 0.0, | 1.2); |
| ( -28.3, | -14.1, | 0.0, | 1.2); | ( -35.4, | -21.2, | 0.0, | 1.2); |
| ( -42.4, | -28.3, | 0.0, | 1.2); | ( -49.5, | -35.4, | 0.0, | 1.2); |
| ( -56.6, | -42.4, | 0.0, | 1.2); | ( -63.6, | -49.5, | 0.0, | 1.2); |
| ( -70.7, | -56.6, | 0.0, | 1.2); | ( -77.8, | -63.6, | 0.0, | 1.2); |
| ( 70.7,  | 70.7,  | 0.0, | 1.2); | ( 63.6,  | 63.6,  | 0.0, | 1.2); |
| ( 56.6,  | 56.6,  | 0.0, | 1.2); | ( 49.5,  | 49.5,  | 0.0, | 1.2); |
| ( 42.4,  | 42.4,  | 0.0, | 1.2); | ( 35.4,  | 35.4,  | 0.0, | 1.2); |
| ( 28.3,  | 28.3,  | 0.0, | 1.2); | ( 21.2,  | 21.2,  | 0.0, | 1.2); |
| ( 17.7,  | 17.7,  | 0.0, | 1.2); | ( 14.1,  | 14.1,  | 0.0, | 1.2); |
| ( 12.0,  | 12.0,  | 0.0, | 1.2); | ( 10.6,  | 10.6,  | 0.0, | 1.2); |
| ( 9.2,   | 9.2,   | 0.0, | 1.2); | ( 7.8,   | 7.8,   | 0.0, | 1.2); |
| ( 6.4,   | 6.4,   | 0.0, | 1.2); | ( -6.4,  | -6.4,  | 0.0, | 1.2); |
| ( -7.8,  | -7.8,  | 0.0, | 1.2); | ( -9.2,  | -9.2,  | 0.0, | 1.2); |
| ( -10.6, | -10.6, | 0.0, | 1.2); | ( -12.0, | -12.0, | 0.0, | 1.2); |
| ( -14.1, | -14.1, | 0.0, | 1.2); | ( -17.7, | -17.7, | 0.0, | 1.2); |
| ( -21.2, | -21.2, | 0.0, | 1.2); | ( -28.3, | -28.3, | 0.0, | 1.2); |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|                            |                            |
|----------------------------|----------------------------|
| ( -35.4, -35.4, 0.0, 1.2); | ( -42.4, -42.4, 0.0, 1.2); |
| ( -49.5, -49.5, 0.0, 1.2); | ( -56.6, -56.6, 0.0, 1.2); |
| ( -63.6, -63.6, 0.0, 1.2); | ( -70.7, -70.7, 0.0, 1.2); |
| ( 77.8, 63.6, 0.0, 1.2);   | ( 70.7, 56.6, 0.0, 1.2);   |
| ( 63.6, 49.5, 0.0, 1.2);   | ( 56.6, 42.4, 0.0, 1.2);   |
| ( 49.5, 35.4, 0.0, 1.2);   | ( 42.4, 28.3, 0.0, 1.2);   |
| ( 35.4, 21.2, 0.0, 1.2);   | ( 28.3, 14.1, 0.0, 1.2);   |
| ( 24.8, 10.6, 0.0, 1.2);   | ( 21.2, 7.1, 0.0, 1.2);    |
| ( 19.1, 4.9, 0.0, 1.2);    | ( 17.7, 3.5, 0.0, 1.2);    |
| ( 16.3, 2.1, 0.0, 1.2);    | ( 14.9, 0.7, 0.0, 1.2);    |
| ( 13.4, -0.7, 0.0, 1.2);   | ( 0.7, -13.4, 0.0, 1.2);   |
| ( -0.7, -14.9, 0.0, 1.2);  | ( -2.1, -16.3, 0.0, 1.2);  |
| ( -3.5, -17.7, 0.0, 1.2);  | ( -4.9, -19.1, 0.0, 1.2);  |
| ( -7.1, -21.2, 0.0, 1.2);  | ( -10.6, -24.8, 0.0, 1.2); |
| ( -14.1, -28.3, 0.0, 1.2); | ( -21.2, -35.4, 0.0, 1.2); |
| ( -28.3, -42.4, 0.0, 1.2); | ( -35.4, -49.5, 0.0, 1.2); |
| ( -42.4, -56.6, 0.0, 1.2); | ( -49.5, -63.6, 0.0, 1.2); |
| ( -56.6, -70.7, 0.0, 1.2); | ( -63.6, -77.8, 0.0, 1.2); |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZFLAG)  
 (METERS)

|                            |                            |
|----------------------------|----------------------------|
| ( 84.8, 56.6, 0.0, 1.2);   | ( 77.8, 49.5, 0.0, 1.2);   |
| ( 70.7, 42.4, 0.0, 1.2);   | ( 63.6, 35.4, 0.0, 1.2);   |
| ( 56.6, 28.3, 0.0, 1.2);   | ( 49.5, 21.2, 0.0, 1.2);   |
| ( 42.4, 14.1, 0.0, 1.2);   | ( 35.4, 7.1, 0.0, 1.2);    |
| ( 31.8, 3.5, 0.0, 1.2);    | ( 28.3, 0.0, 0.0, 1.2);    |
| ( 26.2, -2.1, 0.0, 1.2);   | ( 24.8, -3.5, 0.0, 1.2);   |
| ( 23.3, -4.9, 0.0, 1.2);   | ( 21.9, -6.4, 0.0, 1.2);   |
| ( 20.5, -7.8, 0.0, 1.2);   | ( 7.8, -20.5, 0.0, 1.2);   |
| ( 6.4, -21.9, 0.0, 1.2);   | ( 4.9, -23.3, 0.0, 1.2);   |
| ( 3.5, -24.8, 0.0, 1.2);   | ( 2.1, -26.2, 0.0, 1.2);   |
| ( 0.0, -28.3, 0.0, 1.2);   | ( -3.5, -31.8, 0.0, 1.2);  |
| ( -7.1, -35.4, 0.0, 1.2);  | ( -14.1, -42.4, 0.0, 1.2); |
| ( -21.2, -49.5, 0.0, 1.2); | ( -28.3, -56.6, 0.0, 1.2); |
| ( -35.4, -63.6, 0.0, 1.2); | ( -42.4, -70.7, 0.0, 1.2); |
| ( -49.5, -77.8, 0.0, 1.2); | ( -56.6, -84.8, 0.0, 1.2); |
| ( 91.9, 49.5, 0.0, 1.2);   | ( 84.8, 42.4, 0.0, 1.2);   |
| ( 77.8, 35.4, 0.0, 1.2);   | ( 70.7, 28.3, 0.0, 1.2);   |
| ( 63.6, 21.2, 0.0, 1.2);   | ( 56.6, 14.1, 0.0, 1.2);   |
| ( 49.5, 7.1, 0.0, 1.2);    | ( 42.4, 0.0, 0.0, 1.2);    |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|                            |                            |
|----------------------------|----------------------------|
| ( 38.9, -3.5, 0.0, 1.2);   | ( 35.4, -7.1, 0.0, 1.2);   |
| ( 33.2, -9.2, 0.0, 1.2);   | ( 31.8, -10.6, 0.0, 1.2);  |
| ( 30.4, -12.0, 0.0, 1.2);  | ( 29.0, -13.4, 0.0, 1.2);  |
| ( 27.6, -14.9, 0.0, 1.2);  | ( 14.9, -27.6, 0.0, 1.2);  |
| ( 13.4, -29.0, 0.0, 1.2);  | ( 12.0, -30.4, 0.0, 1.2);  |
| ( 10.6, -31.8, 0.0, 1.2);  | ( 9.2, -33.2, 0.0, 1.2);   |
| ( 7.1, -35.4, 0.0, 1.2);   | ( 3.5, -38.9, 0.0, 1.2);   |
| ( 0.0, -42.4, 0.0, 1.2);   | ( -7.1, -49.5, 0.0, 1.2);  |
| ( -14.1, -56.6, 0.0, 1.2); | ( -21.2, -63.6, 0.0, 1.2); |
| ( -28.3, -70.7, 0.0, 1.2); | ( -35.4, -77.8, 0.0, 1.2); |
| ( -42.4, -84.8, 0.0, 1.2); | ( -49.5, -91.9, 0.0, 1.2); |
| ( 99.0, 42.4, 0.0, 1.2);   | ( 91.9, 35.4, 0.0, 1.2);   |
| ( 84.8, 28.3, 0.0, 1.2);   | ( 77.8, 21.2, 0.0, 1.2);   |
| ( 70.7, 14.1, 0.0, 1.2);   | ( 63.6, 7.1, 0.0, 1.2);    |
| ( 56.6, 0.0, 0.0, 1.2);    | ( 49.5, -7.1, 0.0, 1.2);   |
| ( 46.0, -10.6, 0.0, 1.2);  | ( 42.4, -14.1, 0.0, 1.2);  |
| ( 40.3, -16.3, 0.0, 1.2);  | ( 38.9, -17.7, 0.0, 1.2);  |
| ( 37.5, -19.1, 0.0, 1.2);  | ( 36.1, -20.5, 0.0, 1.2);  |
| ( 34.7, -21.9, 0.0, 1.2);  | ( 21.9, -34.7, 0.0, 1.2);  |
| ( 20.5, -36.1, 0.0, 1.2);  | ( 19.1, -37.5, 0.0, 1.2);  |
| ( 17.7, -38.9, 0.0, 1.2);  | ( 16.3, -40.3, 0.0, 1.2);  |
| ( 14.1, -42.4, 0.0, 1.2);  | ( 10.6, -46.0, 0.0, 1.2);  |
| ( 7.1, -49.5, 0.0, 1.2);   | ( 0.0, -56.6, 0.0, 1.2);   |
| ( -7.1, -63.6, 0.0, 1.2);  | ( -14.1, -70.7, 0.0, 1.2); |
| ( -21.2, -77.8, 0.0, 1.2); | ( -28.3, -84.8, 0.0, 1.2); |
| ( -35.4, -91.9, 0.0, 1.2); | ( -42.4, -99.0, 0.0, 1.2); |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

15:49:41

\*\*MODELOPTs:

PAGE 14

CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZFLAG)  
(METERS)

|                           |                           |
|---------------------------|---------------------------|
| ( 106.1, 35.4, 0.0, 1.2); | ( 99.0, 28.3, 0.0, 1.2);  |
| ( 91.9, 21.2, 0.0, 1.2);  | ( 84.8, 14.1, 0.0, 1.2);  |
| ( 77.8, 7.1, 0.0, 1.2);   | ( 70.7, 0.0, 0.0, 1.2);   |
| ( 63.6, -7.1, 0.0, 1.2);  | ( 56.6, -14.1, 0.0, 1.2); |
| ( 53.0, -17.7, 0.0, 1.2); | ( 49.5, -21.2, 0.0, 1.2); |
| ( 47.4, -23.3, 0.0, 1.2); | ( 46.0, -24.8, 0.0, 1.2); |
| ( 44.5, -26.2, 0.0, 1.2); | ( 43.1, -27.6, 0.0, 1.2); |
| ( 41.7, -29.0, 0.0, 1.2); | ( 29.0, -41.7, 0.0, 1.2); |
| ( 27.6, -43.1, 0.0, 1.2); | ( 26.2, -44.5, 0.0, 1.2); |
| ( 24.8, -46.0, 0.0, 1.2); | ( 23.3, -47.4, 0.0, 1.2); |
| ( 21.2, -49.5, 0.0, 1.2); | ( 17.7, -53.0, 0.0, 1.2); |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|          |         |      |       |          |         |      |       |
|----------|---------|------|-------|----------|---------|------|-------|
| ( 14.1,  | -56.6,  | 0.0, | 1.2); | ( 7.1,   | -63.6,  | 0.0, | 1.2); |
| ( 0.0,   | -70.7,  | 0.0, | 1.2); | ( -7.1,  | -77.8,  | 0.0, | 1.2); |
| ( -14.1, | -84.8,  | 0.0, | 1.2); | ( -21.2, | -91.9,  | 0.0, | 1.2); |
| ( -28.3, | -99.0,  | 0.0, | 1.2); | ( -35.4, | -106.1, | 0.0, | 1.2); |
| ( 113.1, | 28.3,   | 0.0, | 1.2); | ( 106.1, | 21.2,   | 0.0, | 1.2); |
| ( 99.0,  | 14.1,   | 0.0, | 1.2); | ( 91.9,  | 7.1,    | 0.0, | 1.2); |
| ( 84.8,  | 0.0,    | 0.0, | 1.2); | ( 77.8,  | -7.1,   | 0.0, | 1.2); |
| ( 70.7,  | -14.1,  | 0.0, | 1.2); | ( 63.6,  | -21.2,  | 0.0, | 1.2); |
| ( 60.1,  | -24.8,  | 0.0, | 1.2); | ( 56.6,  | -28.3,  | 0.0, | 1.2); |
| ( 54.5,  | -30.4,  | 0.0, | 1.2); | ( 53.0,  | -31.8,  | 0.0, | 1.2); |
| ( 51.6,  | -33.2,  | 0.0, | 1.2); | ( 50.2,  | -34.7,  | 0.0, | 1.2); |
| ( 48.8,  | -36.1,  | 0.0, | 1.2); | ( 36.1,  | -48.8,  | 0.0, | 1.2); |
| ( 34.7,  | -50.2,  | 0.0, | 1.2); | ( 33.2,  | -51.6,  | 0.0, | 1.2); |
| ( 31.8,  | -53.0,  | 0.0, | 1.2); | ( 30.4,  | -54.5,  | 0.0, | 1.2); |
| ( 28.3,  | -56.6,  | 0.0, | 1.2); | ( 24.8,  | -60.1,  | 0.0, | 1.2); |
| ( 21.2,  | -63.6,  | 0.0, | 1.2); | ( 14.1,  | -70.7,  | 0.0, | 1.2); |
| ( 7.1,   | -77.8,  | 0.0, | 1.2); | ( 0.0,   | -84.8,  | 0.0, | 1.2); |
| ( -7.1,  | -91.9,  | 0.0, | 1.2); | ( -14.1, | -99.0,  | 0.0, | 1.2); |
| ( -21.2, | -106.1, | 0.0, | 1.2); | ( -28.3, | -113.1, | 0.0, | 1.2); |
| ( 120.2, | 21.2,   | 0.0, | 1.2); | ( 113.1, | 14.1,   | 0.0, | 1.2); |
| ( 106.1, | 7.1,    | 0.0, | 1.2); | ( 99.0,  | 0.0,    | 0.0, | 1.2); |
| ( 91.9,  | -7.1,   | 0.0, | 1.2); | ( 84.8,  | -14.1,  | 0.0, | 1.2); |
| ( 77.8,  | -21.2,  | 0.0, | 1.2); | ( 70.7,  | -28.3,  | 0.0, | 1.2); |
| ( 67.2,  | -31.8,  | 0.0, | 1.2); | ( 63.6,  | -35.4,  | 0.0, | 1.2); |
| ( 61.5,  | -37.5,  | 0.0, | 1.2); | ( 60.1,  | -38.9,  | 0.0, | 1.2); |
| ( 58.7,  | -40.3,  | 0.0, | 1.2); | ( 57.3,  | -41.7,  | 0.0, | 1.2); |
| ( 55.9,  | -43.1,  | 0.0, | 1.2); | ( 43.1,  | -55.9,  | 0.0, | 1.2); |
| ( 41.7,  | -57.3,  | 0.0, | 1.2); | ( 40.3,  | -58.7,  | 0.0, | 1.2); |
| ( 38.9,  | -60.1,  | 0.0, | 1.2); | ( 37.5,  | -61.5,  | 0.0, | 1.2); |
| ( 35.4,  | -63.6,  | 0.0, | 1.2); | ( 31.8,  | -67.2,  | 0.0, | 1.2); |
| ( 28.3,  | -70.7,  | 0.0, | 1.2); | ( 21.2,  | -77.8,  | 0.0, | 1.2); |
| ( 14.1,  | -84.8,  | 0.0, | 1.2); | ( 7.1,   | -91.9,  | 0.0, | 1.2); |
| ( 0.0,   | -99.0,  | 0.0, | 1.2); | ( -7.1,  | -106.1, | 0.0, | 1.2); |
| ( -14.1, | -113.1, | 0.0, | 1.2); | ( -21.2, | -120.2, | 0.0, | 1.2); |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*

04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTs:

PAGE 15

CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZFLAG)  
(METERS)

|          |        |      |       |          |        |      |       |
|----------|--------|------|-------|----------|--------|------|-------|
| ( 127.3, | 14.1,  | 0.0, | 1.2); | ( 120.2, | 7.1,   | 0.0, | 1.2); |
| ( 113.1, | 0.0,   | 0.0, | 1.2); | ( 106.1, | -7.1,  | 0.0, | 1.2); |
| ( 99.0,  | -14.1, | 0.0, | 1.2); | ( 91.9,  | -21.2, | 0.0, | 1.2); |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|          |         |      |       |          |         |      |       |
|----------|---------|------|-------|----------|---------|------|-------|
| ( 84.8,  | -28.3,  | 0.0, | 1.2); | ( 77.8,  | -35.4,  | 0.0, | 1.2); |
| ( 74.2,  | -38.9,  | 0.0, | 1.2); | ( 70.7,  | -42.4,  | 0.0, | 1.2); |
| ( 68.6,  | -44.5,  | 0.0, | 1.2); | ( 67.2,  | -46.0,  | 0.0, | 1.2); |
| ( 65.8,  | -47.4,  | 0.0, | 1.2); | ( 64.3,  | -48.8,  | 0.0, | 1.2); |
| ( 62.9,  | -50.2,  | 0.0, | 1.2); | ( 50.2,  | -62.9,  | 0.0, | 1.2); |
| ( 48.8,  | -64.3,  | 0.0, | 1.2); | ( 47.4,  | -65.8,  | 0.0, | 1.2); |
| ( 46.0,  | -67.2,  | 0.0, | 1.2); | ( 44.5,  | -68.6,  | 0.0, | 1.2); |
| ( 42.4,  | -70.7,  | 0.0, | 1.2); | ( 38.9,  | -74.2,  | 0.0, | 1.2); |
| ( 35.4,  | -77.8,  | 0.0, | 1.2); | ( 28.3,  | -84.8,  | 0.0, | 1.2); |
| ( 21.2,  | -91.9,  | 0.0, | 1.2); | ( 14.1,  | -99.0,  | 0.0, | 1.2); |
| ( 7.1,   | -106.1, | 0.0, | 1.2); | ( 0.0,   | -113.1, | 0.0, | 1.2); |
| ( -7.1,  | -120.2, | 0.0, | 1.2); | ( -14.1, | -127.3, | 0.0, | 1.2); |
| ( 134.4, | 7.1,    | 0.0, | 1.2); | ( 127.3, | 0.0,    | 0.0, | 1.2); |
| ( 120.2, | -7.1,   | 0.0, | 1.2); | ( 113.1, | -14.1,  | 0.0, | 1.2); |
| ( 106.1, | -21.2,  | 0.0, | 1.2); | ( 99.0,  | -28.3,  | 0.0, | 1.2); |
| ( 91.9,  | -35.4,  | 0.0, | 1.2); | ( 84.8,  | -42.4,  | 0.0, | 1.2); |
| ( 81.3,  | -46.0,  | 0.0, | 1.2); | ( 77.8,  | -49.5,  | 0.0, | 1.2); |
| ( 75.7,  | -51.6,  | 0.0, | 1.2); | ( 74.2,  | -53.0,  | 0.0, | 1.2); |
| ( 72.8,  | -54.5,  | 0.0, | 1.2); | ( 71.4,  | -55.9,  | 0.0, | 1.2); |
| ( 70.0,  | -57.3,  | 0.0, | 1.2); | ( 57.3,  | -70.0,  | 0.0, | 1.2); |
| ( 55.9,  | -71.4,  | 0.0, | 1.2); | ( 54.5,  | -72.8,  | 0.0, | 1.2); |
| ( 53.0,  | -74.2,  | 0.0, | 1.2); | ( 51.6,  | -75.7,  | 0.0, | 1.2); |
| ( 49.5,  | -77.8,  | 0.0, | 1.2); | ( 46.0,  | -81.3,  | 0.0, | 1.2); |
| ( 42.4,  | -84.8,  | 0.0, | 1.2); | ( 35.4,  | -91.9,  | 0.0, | 1.2); |
| ( 28.3,  | -99.0,  | 0.0, | 1.2); | ( 21.2,  | -106.1, | 0.0, | 1.2); |
| ( 14.1,  | -113.1, | 0.0, | 1.2); | ( 7.1,   | -120.2, | 0.0, | 1.2); |
| ( 0.0,   | -127.3, | 0.0, | 1.2); | ( -7.1,  | -134.4, | 0.0, | 1.2); |
| ( 141.4, | 0.0,    | 0.0, | 1.2); | ( 134.4, | -7.1,   | 0.0, | 1.2); |
| ( 127.3, | -14.1,  | 0.0, | 1.2); | ( 120.2, | -21.2,  | 0.0, | 1.2); |
| ( 113.1, | -28.3,  | 0.0, | 1.2); | ( 106.1, | -35.4,  | 0.0, | 1.2); |
| ( 99.0,  | -42.4,  | 0.0, | 1.2); | ( 91.9,  | -49.5,  | 0.0, | 1.2); |
| ( 88.4,  | -53.0,  | 0.0, | 1.2); | ( 84.8,  | -56.6,  | 0.0, | 1.2); |
| ( 82.7,  | -58.7,  | 0.0, | 1.2); | ( 81.3,  | -60.1,  | 0.0, | 1.2); |
| ( 79.9,  | -61.5,  | 0.0, | 1.2); | ( 78.5,  | -62.9,  | 0.0, | 1.2); |
| ( 77.1,  | -64.3,  | 0.0, | 1.2); | ( 64.3,  | -77.1,  | 0.0, | 1.2); |
| ( 62.9,  | -78.5,  | 0.0, | 1.2); | ( 61.5,  | -79.9,  | 0.0, | 1.2); |
| ( 60.1,  | -81.3,  | 0.0, | 1.2); | ( 58.7,  | -82.7,  | 0.0, | 1.2); |
| ( 56.6,  | -84.8,  | 0.0, | 1.2); | ( 53.0,  | -88.4,  | 0.0, | 1.2); |
| ( 49.5,  | -91.9,  | 0.0, | 1.2); | ( 42.4,  | -99.0,  | 0.0, | 1.2); |
| ( 35.4,  | -106.1, | 0.0, | 1.2); | ( 28.3,  | -113.1, | 0.0, | 1.2); |
| ( 21.2,  | -120.2, | 0.0, | 1.2); | ( 14.1,  | -127.3, | 0.0, | 1.2); |
| ( 7.1,   | -134.4, | 0.0, | 1.2); | ( 0.0,   | -141.4, | 0.0, | 1.2); |

\*\*MODELOPTs:  
PAGE 16  
CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZFLAG)  
(METERS)

|                            |                            |
|----------------------------|----------------------------|
| ( 148.5, -7.1, 0.0, 1.2);  | ( 141.4, -14.1, 0.0, 1.2); |
| ( 134.4, -21.2, 0.0, 1.2); | ( 127.3, -28.3, 0.0, 1.2); |
| ( 120.2, -35.4, 0.0, 1.2); | ( 113.1, -42.4, 0.0, 1.2); |
| ( 106.1, -49.5, 0.0, 1.2); | ( 99.0, -56.6, 0.0, 1.2);  |
| ( 95.5, -60.1, 0.0, 1.2);  | ( 91.9, -63.6, 0.0, 1.2);  |
| ( 89.8, -65.8, 0.0, 1.2);  | ( 88.4, -67.2, 0.0, 1.2);  |
| ( 87.0, -68.6, 0.0, 1.2);  | ( 85.6, -70.0, 0.0, 1.2);  |
| ( 84.2, -71.4, 0.0, 1.2);  | ( 71.4, -84.2, 0.0, 1.2);  |
| ( 70.0, -85.6, 0.0, 1.2);  | ( 68.6, -87.0, 0.0, 1.2);  |
| ( 67.2, -88.4, 0.0, 1.2);  | ( 65.8, -89.8, 0.0, 1.2);  |
| ( 63.6, -91.9, 0.0, 1.2);  | ( 60.1, -95.5, 0.0, 1.2);  |
| ( 56.6, -99.0, 0.0, 1.2);  | ( 49.5, -106.1, 0.0, 1.2); |
| ( 42.4, -113.1, 0.0, 1.2); | ( 35.4, -120.2, 0.0, 1.2); |
| ( 28.3, -127.3, 0.0, 1.2); | ( 21.2, -134.4, 0.0, 1.2); |
| ( 14.1, -141.4, 0.0, 1.2); | ( 7.1, -148.5, 0.0, 1.2);  |
| ( 155.6, -14.1, 0.0, 1.2); | ( 148.5, -21.2, 0.0, 1.2); |
| ( 141.4, -28.3, 0.0, 1.2); | ( 134.4, -35.4, 0.0, 1.2); |
| ( 127.3, -42.4, 0.0, 1.2); | ( 120.2, -49.5, 0.0, 1.2); |
| ( 113.1, -56.6, 0.0, 1.2); | ( 106.1, -63.6, 0.0, 1.2); |
| ( 102.5, -67.2, 0.0, 1.2); | ( 99.0, -70.7, 0.0, 1.2);  |
| ( 96.9, -72.8, 0.0, 1.2);  | ( 95.5, -74.2, 0.0, 1.2);  |
| ( 94.1, -75.7, 0.0, 1.2);  | ( 92.6, -77.1, 0.0, 1.2);  |
| ( 91.2, -78.5, 0.0, 1.2);  | ( 78.5, -91.2, 0.0, 1.2);  |
| ( 77.1, -92.6, 0.0, 1.2);  | ( 75.7, -94.1, 0.0, 1.2);  |
| ( 74.2, -95.5, 0.0, 1.2);  | ( 72.8, -96.9, 0.0, 1.2);  |
| ( 70.7, -99.0, 0.0, 1.2);  | ( 67.2, -102.5, 0.0, 1.2); |
| ( 63.6, -106.1, 0.0, 1.2); | ( 56.6, -113.1, 0.0, 1.2); |
| ( 49.5, -120.2, 0.0, 1.2); | ( 42.4, -127.3, 0.0, 1.2); |
| ( 35.4, -134.4, 0.0, 1.2); | ( 28.3, -141.4, 0.0, 1.2); |
| ( 21.2, -148.5, 0.0, 1.2); | ( 14.1, -155.6, 0.0, 1.2); |
| ( 162.6, -21.2, 0.0, 1.2); | ( 155.6, -28.3, 0.0, 1.2); |
| ( 148.5, -35.4, 0.0, 1.2); | ( 141.4, -42.4, 0.0, 1.2); |
| ( 134.4, -49.5, 0.0, 1.2); | ( 127.3, -56.6, 0.0, 1.2); |
| ( 120.2, -63.6, 0.0, 1.2); | ( 113.1, -70.7, 0.0, 1.2); |
| ( 109.6, -74.2, 0.0, 1.2); | ( 106.1, -77.8, 0.0, 1.2); |
| ( 103.9, -79.9, 0.0, 1.2); | ( 102.5, -81.3, 0.0, 1.2); |
| ( 101.1, -82.7, 0.0, 1.2); | ( 99.7, -84.2, 0.0, 1.2);  |
| ( 98.3, -85.6, 0.0, 1.2);  | ( 85.6, -98.3, 0.0, 1.2);  |
| ( 84.2, -99.7, 0.0, 1.2);  | ( 82.7, -101.1, 0.0, 1.2); |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |         |      |       |         |         |      |       |
|---------|---------|------|-------|---------|---------|------|-------|
| ( 81.3, | -102.5, | 0.0, | 1.2); | ( 79.9, | -103.9, | 0.0, | 1.2); |
| ( 77.8, | -106.1, | 0.0, | 1.2); | ( 74.2, | -109.6, | 0.0, | 1.2); |
| ( 70.7, | -113.1, | 0.0, | 1.2); | ( 63.6, | -120.2, | 0.0, | 1.2); |
| ( 56.6, | -127.3, | 0.0, | 1.2); | ( 49.5, | -134.4, | 0.0, | 1.2); |
| ( 42.4, | -141.4, | 0.0, | 1.2); | ( 35.4, | -148.5, | 0.0, | 1.2); |
| ( 28.3, | -155.6, | 0.0, | 1.2); | ( 21.2, | -162.6, | 0.0, | 1.2); |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTs:

PAGE 17

CONC URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZFLAG)  
 (METERS)

|          |         |      |       |          |         |      |       |
|----------|---------|------|-------|----------|---------|------|-------|
| ( 169.7, | -28.3,  | 0.0, | 1.2); | ( 162.6, | -35.4,  | 0.0, | 1.2); |
| ( 155.6, | -42.4,  | 0.0, | 1.2); | ( 148.5, | -49.5,  | 0.0, | 1.2); |
| ( 141.4, | -56.6,  | 0.0, | 1.2); | ( 134.4, | -63.6,  | 0.0, | 1.2); |
| ( 127.3, | -70.7,  | 0.0, | 1.2); | ( 120.2, | -77.8,  | 0.0, | 1.2); |
| ( 116.7, | -81.3,  | 0.0, | 1.2); | ( 113.1, | -84.8,  | 0.0, | 1.2); |
| ( 111.0, | -87.0,  | 0.0, | 1.2); | ( 109.6, | -88.4,  | 0.0, | 1.2); |
| ( 108.2, | -89.8,  | 0.0, | 1.2); | ( 106.8, | -91.2,  | 0.0, | 1.2); |
| ( 105.4, | -92.6,  | 0.0, | 1.2); | ( 92.6,  | -105.4, | 0.0, | 1.2); |
| ( 91.2,  | -106.8, | 0.0, | 1.2); | ( 89.8,  | -108.2, | 0.0, | 1.2); |
| ( 88.4,  | -109.6, | 0.0, | 1.2); | ( 87.0,  | -111.0, | 0.0, | 1.2); |
| ( 84.8,  | -113.1, | 0.0, | 1.2); | ( 81.3,  | -116.7, | 0.0, | 1.2); |
| ( 77.8,  | -120.2, | 0.0, | 1.2); | ( 70.7,  | -127.3, | 0.0, | 1.2); |
| ( 63.6,  | -134.4, | 0.0, | 1.2); | ( 56.6,  | -141.4, | 0.0, | 1.2); |
| ( 49.5,  | -148.5, | 0.0, | 1.2); | ( 42.4,  | -155.6, | 0.0, | 1.2); |
| ( 35.4,  | -162.6, | 0.0, | 1.2); | ( 28.3,  | -169.7, | 0.0, | 1.2); |
| ( 176.8, | -35.4,  | 0.0, | 1.2); | ( 169.7, | -42.4,  | 0.0, | 1.2); |
| ( 162.6, | -49.5,  | 0.0, | 1.2); | ( 155.6, | -56.6,  | 0.0, | 1.2); |
| ( 148.5, | -63.6,  | 0.0, | 1.2); | ( 141.4, | -70.7,  | 0.0, | 1.2); |
| ( 134.4, | -77.8,  | 0.0, | 1.2); | ( 127.3, | -84.8,  | 0.0, | 1.2); |
| ( 123.7, | -88.4,  | 0.0, | 1.2); | ( 120.2, | -91.9,  | 0.0, | 1.2); |
| ( 118.1, | -94.1,  | 0.0, | 1.2); | ( 116.7, | -95.5,  | 0.0, | 1.2); |
| ( 115.3, | -96.9,  | 0.0, | 1.2); | ( 113.8, | -98.3,  | 0.0, | 1.2); |
| ( 112.4, | -99.7,  | 0.0, | 1.2); | ( 99.7,  | -112.4, | 0.0, | 1.2); |
| ( 98.3,  | -113.8, | 0.0, | 1.2); | ( 96.9,  | -115.3, | 0.0, | 1.2); |
| ( 95.5,  | -116.7, | 0.0, | 1.2); | ( 94.1,  | -118.1, | 0.0, | 1.2); |
| ( 91.9,  | -120.2, | 0.0, | 1.2); | ( 88.4,  | -123.7, | 0.0, | 1.2); |
| ( 84.8,  | -127.3, | 0.0, | 1.2); | ( 77.8,  | -134.4, | 0.0, | 1.2); |
| ( 70.7,  | -141.4, | 0.0, | 1.2); | ( 63.6,  | -148.5, | 0.0, | 1.2); |
| ( 56.6,  | -155.6, | 0.0, | 1.2); | ( 49.5,  | -162.6, | 0.0, | 1.2); |
| ( 42.4,  | -169.7, | 0.0, | 1.2); | ( 35.4,  | -176.8, | 0.0, | 1.2); |
| ( 183.9, | -42.4,  | 0.0, | 1.2); | ( 176.8, | -49.5,  | 0.0, | 1.2); |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|          |         |      |       |          |         |      |       |
|----------|---------|------|-------|----------|---------|------|-------|
| ( 169.7, | -56.6,  | 0.0, | 1.2); | ( 162.6, | -63.6,  | 0.0, | 1.2); |
| ( 155.6, | -70.7,  | 0.0, | 1.2); | ( 148.5, | -77.8,  | 0.0, | 1.2); |
| ( 141.4, | -84.8,  | 0.0, | 1.2); | ( 134.4, | -91.9,  | 0.0, | 1.2); |
| ( 130.8, | -95.5,  | 0.0, | 1.2); | ( 127.3, | -99.0,  | 0.0, | 1.2); |
| ( 125.2, | -101.1, | 0.0, | 1.2); | ( 123.7, | -102.5, | 0.0, | 1.2); |
| ( 122.3, | -103.9, | 0.0, | 1.2); | ( 120.9, | -105.4, | 0.0, | 1.2); |
| ( 119.5, | -106.8, | 0.0, | 1.2); | ( 106.8, | -119.5, | 0.0, | 1.2); |
| ( 105.4, | -120.9, | 0.0, | 1.2); | ( 103.9, | -122.3, | 0.0, | 1.2); |
| ( 102.5, | -123.7, | 0.0, | 1.2); | ( 101.1, | -125.2, | 0.0, | 1.2); |
| ( 99.0,  | -127.3, | 0.0, | 1.2); | ( 95.5,  | -130.8, | 0.0, | 1.2); |
| ( 91.9,  | -134.4, | 0.0, | 1.2); | ( 84.8,  | -141.4, | 0.0, | 1.2); |
| ( 77.8,  | -148.5, | 0.0, | 1.2); | ( 70.7,  | -155.6, | 0.0, | 1.2); |
| ( 63.6,  | -162.6, | 0.0, | 1.2); | ( 56.6,  | -169.7, | 0.0, | 1.2); |
| ( 49.5,  | -176.8, | 0.0, | 1.2); | ( 42.4,  | -183.9, | 0.0, | 1.2); |

1 \*\*\* ICSCT3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
 PAGE 18  
 CONC

URBAN FLAT    FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZFLAG)  
 (METERS)

|          |         |      |       |          |         |      |       |
|----------|---------|------|-------|----------|---------|------|-------|
| ( 190.9, | -49.5,  | 0.0, | 1.2); | ( 183.9, | -56.6,  | 0.0, | 1.2); |
| ( 176.8, | -63.6,  | 0.0, | 1.2); | ( 169.7, | -70.7,  | 0.0, | 1.2); |
| ( 162.6, | -77.8,  | 0.0, | 1.2); | ( 155.6, | -84.8,  | 0.0, | 1.2); |
| ( 148.5, | -91.9,  | 0.0, | 1.2); | ( 141.4, | -99.0,  | 0.0, | 1.2); |
| ( 137.9, | -102.5, | 0.0, | 1.2); | ( 134.4, | -106.1, | 0.0, | 1.2); |
| ( 132.2, | -108.2, | 0.0, | 1.2); | ( 130.8, | -109.6, | 0.0, | 1.2); |
| ( 129.4, | -111.0, | 0.0, | 1.2); | ( 128.0, | -112.4, | 0.0, | 1.2); |
| ( 126.6, | -113.8, | 0.0, | 1.2); | ( 113.8, | -126.6, | 0.0, | 1.2); |
| ( 112.4, | -128.0, | 0.0, | 1.2); | ( 111.0, | -129.4, | 0.0, | 1.2); |
| ( 109.6, | -130.8, | 0.0, | 1.2); | ( 108.2, | -132.2, | 0.0, | 1.2); |
| ( 106.1, | -134.4, | 0.0, | 1.2); | ( 102.5, | -137.9, | 0.0, | 1.2); |
| ( 99.0,  | -141.4, | 0.0, | 1.2); | ( 91.9,  | -148.5, | 0.0, | 1.2); |
| ( 84.8,  | -155.6, | 0.0, | 1.2); | ( 77.8,  | -162.6, | 0.0, | 1.2); |
| ( 70.7,  | -169.7, | 0.0, | 1.2); | ( 63.6,  | -176.8, | 0.0, | 1.2); |
| ( 56.6,  | -183.9, | 0.0, | 1.2); | ( 49.5,  | -190.9, | 0.0, | 1.2); |
| ( 198.0, | -56.6,  | 0.0, | 1.2); | ( 190.9, | -63.6,  | 0.0, | 1.2); |
| ( 183.9, | -70.7,  | 0.0, | 1.2); | ( 176.8, | -77.8,  | 0.0, | 1.2); |
| ( 169.7, | -84.8,  | 0.0, | 1.2); | ( 162.6, | -91.9,  | 0.0, | 1.2); |
| ( 155.6, | -99.0,  | 0.0, | 1.2); | ( 148.5, | -106.1, | 0.0, | 1.2); |
| ( 145.0, | -109.6, | 0.0, | 1.2); | ( 141.4, | -113.1, | 0.0, | 1.2); |
| ( 139.3, | -115.3, | 0.0, | 1.2); | ( 137.9, | -116.7, | 0.0, | 1.2); |
| ( 136.5, | -118.1, | 0.0, | 1.2); | ( 135.1, | -119.5, | 0.0, | 1.2); |
| ( 133.6, | -120.9, | 0.0, | 1.2); | ( 120.9, | -133.6, | 0.0, | 1.2); |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|                             |                             |
|-----------------------------|-----------------------------|
| ( 119.5, -135.1, 0.0, 1.2); | ( 118.1, -136.5, 0.0, 1.2); |
| ( 116.7, -137.9, 0.0, 1.2); | ( 115.3, -139.3, 0.0, 1.2); |
| ( 113.1, -141.4, 0.0, 1.2); | ( 109.6, -145.0, 0.0, 1.2); |
| ( 106.1, -148.5, 0.0, 1.2); | ( 99.0, -155.6, 0.0, 1.2);  |
| ( 91.9, -162.6, 0.0, 1.2);  | ( 84.8, -169.7, 0.0, 1.2);  |
| ( 77.8, -176.8, 0.0, 1.2);  | ( 70.7, -183.9, 0.0, 1.2);  |
| ( 63.6, -190.9, 0.0, 1.2);  | ( 56.6, -198.0, 0.0, 1.2);  |
| ( 205.1, -63.6, 0.0, 1.2);  | ( 198.0, -70.7, 0.0, 1.2);  |
| ( 190.9, -77.8, 0.0, 1.2);  | ( 183.9, -84.8, 0.0, 1.2);  |
| ( 176.8, -91.9, 0.0, 1.2);  | ( 169.7, -99.0, 0.0, 1.2);  |
| ( 162.6, -106.1, 0.0, 1.2); | ( 155.6, -113.1, 0.0, 1.2); |
| ( 152.0, -116.7, 0.0, 1.2); | ( 148.5, -120.2, 0.0, 1.2); |
| ( 146.4, -122.3, 0.0, 1.2); | ( 145.0, -123.7, 0.0, 1.2); |
| ( 143.5, -125.2, 0.0, 1.2); | ( 142.1, -126.6, 0.0, 1.2); |
| ( 140.7, -128.0, 0.0, 1.2); | ( 128.0, -140.7, 0.0, 1.2); |
| ( 126.6, -142.1, 0.0, 1.2); | ( 125.2, -143.5, 0.0, 1.2); |
| ( 123.7, -145.0, 0.0, 1.2); | ( 122.3, -146.4, 0.0, 1.2); |
| ( 120.2, -148.5, 0.0, 1.2); | ( 116.7, -152.0, 0.0, 1.2); |
| ( 113.1, -155.6, 0.0, 1.2); | ( 106.1, -162.6, 0.0, 1.2); |
| ( 99.0, -169.7, 0.0, 1.2);  | ( 91.9, -176.8, 0.0, 1.2);  |
| ( 84.8, -183.9, 0.0, 1.2);  | ( 77.8, -190.9, 0.0, 1.2);  |
| ( 70.7, -198.0, 0.0, 1.2);  | ( 63.6, -205.1, 0.0, 1.2);  |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTS:  
 PAGE 19  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZFLAG)  
 (METERS)

|                             |                             |
|-----------------------------|-----------------------------|
| ( 212.1, -70.7, 0.0, 1.2);  | ( 205.1, -77.8, 0.0, 1.2);  |
| ( 198.0, -84.8, 0.0, 1.2);  | ( 190.9, -91.9, 0.0, 1.2);  |
| ( 183.9, -99.0, 0.0, 1.2);  | ( 176.8, -106.1, 0.0, 1.2); |
| ( 169.7, -113.1, 0.0, 1.2); | ( 162.6, -120.2, 0.0, 1.2); |
| ( 159.1, -123.7, 0.0, 1.2); | ( 155.6, -127.3, 0.0, 1.2); |
| ( 153.4, -129.4, 0.0, 1.2); | ( 152.0, -130.8, 0.0, 1.2); |
| ( 150.6, -132.2, 0.0, 1.2); | ( 149.2, -133.6, 0.0, 1.2); |
| ( 147.8, -135.1, 0.0, 1.2); | ( 135.1, -147.8, 0.0, 1.2); |
| ( 133.6, -149.2, 0.0, 1.2); | ( 132.2, -150.6, 0.0, 1.2); |
| ( 130.8, -152.0, 0.0, 1.2); | ( 129.4, -153.4, 0.0, 1.2); |
| ( 127.3, -155.6, 0.0, 1.2); | ( 123.7, -159.1, 0.0, 1.2); |
| ( 120.2, -162.6, 0.0, 1.2); | ( 113.1, -169.7, 0.0, 1.2); |
| ( 106.1, -176.8, 0.0, 1.2); | ( 99.0, -183.9, 0.0, 1.2);  |
| ( 91.9, -190.9, 0.0, 1.2);  | ( 84.8, -198.0, 0.0, 1.2);  |
| ( 77.8, -205.1, 0.0, 1.2);  | ( 70.7, -212.1, 0.0, 1.2);  |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|                             |                             |
|-----------------------------|-----------------------------|
| ( 219.2, -77.8, 0.0, 1.2);  | ( 212.1, -84.8, 0.0, 1.2);  |
| ( 205.1, -91.9, 0.0, 1.2);  | ( 198.0, -99.0, 0.0, 1.2);  |
| ( 190.9, -106.1, 0.0, 1.2); | ( 183.9, -113.1, 0.0, 1.2); |
| ( 176.8, -120.2, 0.0, 1.2); | ( 169.7, -127.3, 0.0, 1.2); |
| ( 166.2, -130.8, 0.0, 1.2); | ( 162.6, -134.4, 0.0, 1.2); |
| ( 160.5, -136.5, 0.0, 1.2); | ( 159.1, -137.9, 0.0, 1.2); |
| ( 157.7, -139.3, 0.0, 1.2); | ( 156.3, -140.7, 0.0, 1.2); |
| ( 154.9, -142.1, 0.0, 1.2); | ( 142.1, -154.9, 0.0, 1.2); |
| ( 140.7, -156.3, 0.0, 1.2); | ( 139.3, -157.7, 0.0, 1.2); |
| ( 137.9, -159.1, 0.0, 1.2); | ( 136.5, -160.5, 0.0, 1.2); |
| ( 134.4, -162.6, 0.0, 1.2); | ( 130.8, -166.2, 0.0, 1.2); |
| ( 127.3, -169.7, 0.0, 1.2); | ( 120.2, -176.8, 0.0, 1.2); |
| ( 113.1, -183.9, 0.0, 1.2); | ( 106.1, -190.9, 0.0, 1.2); |
| ( 99.0, -198.0, 0.0, 1.2);  | ( 91.9, -205.1, 0.0, 1.2);  |
| ( 84.8, -212.1, 0.0, 1.2);  | ( 77.8, -219.2, 0.0, 1.2);  |
| ( 226.3, -84.8, 0.0, 1.2);  | ( 219.2, -91.9, 0.0, 1.2);  |
| ( 212.1, -99.0, 0.0, 1.2);  | ( 205.1, -106.1, 0.0, 1.2); |
| ( 198.0, -113.1, 0.0, 1.2); | ( 190.9, -120.2, 0.0, 1.2); |
| ( 183.9, -127.3, 0.0, 1.2); | ( 176.8, -134.4, 0.0, 1.2); |
| ( 173.2, -137.9, 0.0, 1.2); | ( 169.7, -141.4, 0.0, 1.2); |
| ( 167.6, -143.5, 0.0, 1.2); | ( 166.2, -145.0, 0.0, 1.2); |
| ( 164.8, -146.4, 0.0, 1.2); | ( 163.3, -147.8, 0.0, 1.2); |
| ( 161.9, -149.2, 0.0, 1.2); | ( 149.2, -161.9, 0.0, 1.2); |
| ( 147.8, -163.3, 0.0, 1.2); | ( 146.4, -164.8, 0.0, 1.2); |
| ( 145.0, -166.2, 0.0, 1.2); | ( 143.5, -167.6, 0.0, 1.2); |
| ( 141.4, -169.7, 0.0, 1.2); | ( 137.9, -173.2, 0.0, 1.2); |
| ( 134.4, -176.8, 0.0, 1.2); | ( 127.3, -183.9, 0.0, 1.2); |
| ( 120.2, -190.9, 0.0, 1.2); | ( 113.1, -198.0, 0.0, 1.2); |
| ( 106.1, -205.1, 0.0, 1.2); | ( 99.0, -212.1, 0.0, 1.2);  |
| ( 91.9, -219.2, 0.0, 1.2);  | ( 84.8, -226.3, 0.0, 1.2);  |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41  
 \*\*MODELOPTs:  
 PAGE 20

CONC URBAN FLAT FLGPOL DFAULT

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZFLAG)  
 (METERS)

|                             |                             |
|-----------------------------|-----------------------------|
| ( 233.4, -91.9, 0.0, 1.2);  | ( 226.3, -99.0, 0.0, 1.2);  |
| ( 219.2, -106.1, 0.0, 1.2); | ( 212.1, -113.1, 0.0, 1.2); |
| ( 205.1, -120.2, 0.0, 1.2); | ( 198.0, -127.3, 0.0, 1.2); |
| ( 190.9, -134.4, 0.0, 1.2); | ( 183.9, -141.4, 0.0, 1.2); |
| ( 180.3, -145.0, 0.0, 1.2); | ( 176.8, -148.5, 0.0, 1.2); |
| ( 174.7, -150.6, 0.0, 1.2); | ( 173.2, -152.0, 0.0, 1.2); |
| ( 171.8, -153.4, 0.0, 1.2); | ( 170.4, -154.9, 0.0, 1.2); |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|          |         |      |       |          |         |      |       |
|----------|---------|------|-------|----------|---------|------|-------|
| ( 169.0, | -156.3, | 0.0, | 1.2); | ( 156.3, | -169.0, | 0.0, | 1.2); |
| ( 154.9, | -170.4, | 0.0, | 1.2); | ( 153.4, | -171.8, | 0.0, | 1.2); |
| ( 152.0, | -173.2, | 0.0, | 1.2); | ( 150.6, | -174.7, | 0.0, | 1.2); |
| ( 148.5, | -176.8, | 0.0, | 1.2); | ( 145.0, | -180.3, | 0.0, | 1.2); |
| ( 141.4, | -183.9, | 0.0, | 1.2); | ( 134.4, | -190.9, | 0.0, | 1.2); |
| ( 127.3, | -198.0, | 0.0, | 1.2); | ( 120.2, | -205.1, | 0.0, | 1.2); |
| ( 113.1, | -212.1, | 0.0, | 1.2); | ( 106.1, | -219.2, | 0.0, | 1.2); |
| ( 99.0,  | -226.3, | 0.0, | 1.2); | ( 91.9,  | -233.4, | 0.0, | 1.2); |
| ( 240.4, | -99.0,  | 0.0, | 1.2); | ( 233.4, | -106.1, | 0.0, | 1.2); |
| ( 226.3, | -113.1, | 0.0, | 1.2); | ( 219.2, | -120.2, | 0.0, | 1.2); |
| ( 212.1, | -127.3, | 0.0, | 1.2); | ( 205.1, | -134.4, | 0.0, | 1.2); |
| ( 198.0, | -141.4, | 0.0, | 1.2); | ( 190.9, | -148.5, | 0.0, | 1.2); |
| ( 187.4, | -152.0, | 0.0, | 1.2); | ( 183.9, | -155.6, | 0.0, | 1.2); |
| ( 181.7, | -157.7, | 0.0, | 1.2); | ( 180.3, | -159.1, | 0.0, | 1.2); |
| ( 178.9, | -160.5, | 0.0, | 1.2); | ( 177.5, | -161.9, | 0.0, | 1.2); |
| ( 176.1, | -163.3, | 0.0, | 1.2); | ( 163.3, | -176.1, | 0.0, | 1.2); |
| ( 161.9, | -177.5, | 0.0, | 1.2); | ( 160.5, | -178.9, | 0.0, | 1.2); |
| ( 159.1, | -180.3, | 0.0, | 1.2); | ( 157.7, | -181.7, | 0.0, | 1.2); |
| ( 155.6, | -183.9, | 0.0, | 1.2); | ( 152.0, | -187.4, | 0.0, | 1.2); |
| ( 148.5, | -190.9, | 0.0, | 1.2); | ( 141.4, | -198.0, | 0.0, | 1.2); |
| ( 134.4, | -205.1, | 0.0, | 1.2); | ( 127.3, | -212.1, | 0.0, | 1.2); |
| ( 120.2, | -219.2, | 0.0, | 1.2); | ( 113.1, | -226.3, | 0.0, | 1.2); |
| ( 106.1, | -233.4, | 0.0, | 1.2); | ( 99.0,  | -240.4, | 0.0, | 1.2); |
| ( 247.5, | -106.1, | 0.0, | 1.2); | ( 240.4, | -113.1, | 0.0, | 1.2); |
| ( 233.4, | -120.2, | 0.0, | 1.2); | ( 226.3, | -127.3, | 0.0, | 1.2); |
| ( 219.2, | -134.4, | 0.0, | 1.2); | ( 212.1, | -141.4, | 0.0, | 1.2); |
| ( 205.1, | -148.5, | 0.0, | 1.2); | ( 198.0, | -155.6, | 0.0, | 1.2); |
| ( 194.4, | -159.1, | 0.0, | 1.2); | ( 190.9, | -162.6, | 0.0, | 1.2); |
| ( 188.8, | -164.8, | 0.0, | 1.2); | ( 187.4, | -166.2, | 0.0, | 1.2); |
| ( 186.0, | -167.6, | 0.0, | 1.2); | ( 184.6, | -169.0, | 0.0, | 1.2); |
| ( 183.1, | -170.4, | 0.0, | 1.2); | ( 170.4, | -183.1, | 0.0, | 1.2); |
| ( 169.0, | -184.6, | 0.0, | 1.2); | ( 167.6, | -186.0, | 0.0, | 1.2); |
| ( 166.2, | -187.4, | 0.0, | 1.2); | ( 164.8, | -188.8, | 0.0, | 1.2); |
| ( 162.6, | -190.9, | 0.0, | 1.2); | ( 159.1, | -194.4, | 0.0, | 1.2); |
| ( 155.6, | -198.0, | 0.0, | 1.2); | ( 148.5, | -205.1, | 0.0, | 1.2); |
| ( 141.4, | -212.1, | 0.0, | 1.2); | ( 134.4, | -219.2, | 0.0, | 1.2); |
| ( 127.3, | -226.3, | 0.0, | 1.2); | ( 120.2, | -233.4, | 0.0, | 1.2); |
| ( 113.1, | -240.4, | 0.0, | 1.2); | ( 106.1, | -247.5, | 0.0, | 1.2); |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
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\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* METEOROLOGICAL DAYS SELECTED FOR PROCESSING \*\*\*  
(1=YES; 0=NO)



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

| YR | MN | DY | HR | FLOW VECTOR | SPEED (M/S) | TEMP (K) | STAB CLASS | MIXING RURAL | HEIGHT (M) URBAN | USTAR (M/S) | M-O LENGTH (M) | Z-0 (M) | IPCODE | PRATE (mm/HR) |
|----|----|----|----|-------------|-------------|----------|------------|--------------|------------------|-------------|----------------|---------|--------|---------------|
| 97 | 01 | 01 | 01 | 350.0       | 10.01       | 289.9    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 02 | 6.0         | 6.75        | 289.6    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 03 | 358.0       | 4.65        | 289.4    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 04 | 355.0       | 4.60        | 289.1    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 05 | 25.0        | 3.67        | 289.2    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 06 | 39.0        | 3.62        | 288.8    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 07 | 46.0        | 3.53        | 288.3    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 08 | 37.0        | 2.82        | 288.1    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 09 | 66.0        | 1.74        | 287.9    | 3          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 10 | 6.0         | 2.64        | 288.4    | 2          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 11 | 33.0        | 4.38        | 289.1    | 3          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 12 | 23.0        | 1.83        | 289.1    | 2          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 13 | 313.0       | 2.59        | 289.0    | 3          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 14 | 38.0        | 2.82        | 289.5    | 3          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 15 | 55.0        | 1.88        | 289.1    | 2          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 16 | 33.0        | 2.24        | 289.0    | 3          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 17 | 35.0        | 1.74        | 288.8    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 18 | 44.0        | 1.92        | 288.8    | 5          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 19 | 89.0        | 1.43        | 288.8    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 20 | 234.0       | 1.12        | 288.5    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 21 | 291.0       | 1.03        | 288.4    | 5          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 22 | 309.0       | 1.12        | 288.3    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 23 | 317.0       | 2.10        | 288.0    | 5          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 97 | 01 | 01 | 24 | 296.0       | 2.77        | 287.7    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |

\*\*\* NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.  
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
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\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S1

\*\*\*

INCLUDING SOURCE(S): NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -106.07     | 247.49      | 0.00003 | -113.14     | 240.42      | 0.00003 |
| -120.21     | 233.35      | 0.00003 | -127.28     | 226.27      | 0.00003 |
| -134.35     | 219.20      | 0.00003 | -141.42     | 212.13      | 0.00004 |
| -148.49     | 205.06      | 0.00004 | -155.56     | 197.99      | 0.00004 |
| -159.10     | 194.45      | 0.00004 | -162.63     | 190.92      | 0.00004 |
| -164.76     | 188.80      | 0.00004 | -166.17     | 187.38      | 0.00004 |
| -167.58     | 185.97      | 0.00004 | -169.00     | 184.55      | 0.00004 |
| -170.41     | 183.14      | 0.00004 | -183.14     | 170.41      | 0.00004 |
| -184.55     | 169.00      | 0.00004 | -185.97     | 167.58      | 0.00004 |
| -187.38     | 166.17      | 0.00004 | -188.80     | 164.76      | 0.00004 |
| -190.92     | 162.63      | 0.00004 | -194.45     | 159.10      | 0.00004 |
| -197.99     | 155.56      | 0.00004 | -205.06     | 148.49      | 0.00004 |
| -212.13     | 141.42      | 0.00004 | -219.20     | 134.35      | 0.00004 |
| -226.27     | 127.28      | 0.00004 | -233.35     | 120.21      | 0.00004 |
| -240.42     | 113.14      | 0.00004 | -247.49     | 106.07      | 0.00004 |
| -98.99      | 240.42      | 0.00003 | -106.07     | 233.35      | 0.00003 |
| -113.14     | 226.27      | 0.00003 | -120.21     | 219.20      | 0.00003 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -127.28 | 212.13 | 0.00004 | -134.35 | 205.06 | 0.00004 |
| -141.42 | 197.99 | 0.00004 | -148.49 | 190.92 | 0.00004 |
| -152.03 | 187.38 | 0.00004 | -155.56 | 183.85 | 0.00004 |
| -157.68 | 181.73 | 0.00004 | -159.10 | 180.31 | 0.00004 |
| -160.51 | 178.90 | 0.00004 | -161.93 | 177.48 | 0.00004 |
| -163.34 | 176.07 | 0.00004 | -176.07 | 163.34 | 0.00004 |
| -177.48 | 161.93 | 0.00004 | -178.90 | 160.51 | 0.00004 |
| -180.31 | 159.10 | 0.00004 | -181.73 | 157.68 | 0.00004 |
| -183.85 | 155.56 | 0.00004 | -187.38 | 152.03 | 0.00004 |
| -190.92 | 148.49 | 0.00004 | -197.99 | 141.42 | 0.00004 |
| -205.06 | 134.35 | 0.00004 | -212.13 | 127.28 | 0.00004 |
| -219.20 | 120.21 | 0.00004 | -226.27 | 113.14 | 0.00004 |
| -233.35 | 106.07 | 0.00004 | -240.42 | 98.99  | 0.00004 |
| -91.92  | 233.35 | 0.00003 | -98.99  | 226.27 | 0.00003 |
| -106.07 | 219.20 | 0.00003 | -113.14 | 212.13 | 0.00004 |
| -120.21 | 205.06 | 0.00004 | -127.28 | 197.99 | 0.00004 |
| -134.35 | 190.92 | 0.00004 | -141.42 | 183.85 | 0.00004 |
| -144.96 | 180.31 | 0.00004 | -148.49 | 176.78 | 0.00004 |
| -150.61 | 174.66 | 0.00004 | -152.03 | 173.24 | 0.00004 |
| -153.44 | 171.83 | 0.00004 | -154.86 | 170.41 | 0.00005 |
| -156.27 | 169.00 | 0.00005 | -169.00 | 156.27 | 0.00005 |
| -170.41 | 154.86 | 0.00005 | -171.83 | 153.44 | 0.00005 |
| -173.24 | 152.03 | 0.00005 | -174.66 | 150.61 | 0.00005 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTS:  
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CONC                      URBAN FLAT    FLGPOL DFAULT

\*\*\*                                      \*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION      VALUES FOR SOURCE GROUP: NCRA\_S1  
 \*\*\*                                      INCLUDING SOURCE(S):              NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER              IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -176.78     | 148.49      | 0.00005 | -180.31     | 144.96      | 0.00005 |
| -183.85     | 141.42      | 0.00005 | -190.92     | 134.35      | 0.00005 |
| -197.99     | 127.28      | 0.00004 | -205.06     | 120.21      | 0.00004 |
| -212.13     | 113.14      | 0.00004 | -219.20     | 106.07      | 0.00004 |
| -226.27     | 99.00       | 0.00004 | -233.35     | 91.92       | 0.00004 |
| -84.85      | 226.27      | 0.00003 | -91.92      | 219.20      | 0.00003 |
| -98.99      | 212.13      | 0.00004 | -106.07     | 205.06      | 0.00004 |
| -113.14     | 197.99      | 0.00004 | -120.21     | 190.92      | 0.00004 |
| -127.28     | 183.85      | 0.00004 | -134.35     | 176.78      | 0.00004 |
| -137.89     | 173.24      | 0.00005 | -141.42     | 169.71      | 0.00005 |
| -143.54     | 167.58      | 0.00005 | -144.96     | 166.17      | 0.00005 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -146.37 | 164.76 | 0.00005 | -147.79 | 163.34 | 0.00005 |
| -149.20 | 161.93 | 0.00005 | -161.93 | 149.20 | 0.00005 |
| -163.34 | 147.79 | 0.00005 | -164.76 | 146.37 | 0.00005 |
| -166.17 | 144.96 | 0.00005 | -167.58 | 143.54 | 0.00005 |
| -169.71 | 141.42 | 0.00005 | -173.24 | 137.89 | 0.00005 |
| -176.78 | 134.35 | 0.00005 | -183.85 | 127.28 | 0.00005 |
| -190.92 | 120.21 | 0.00005 | -197.99 | 113.14 | 0.00005 |
| -205.06 | 106.07 | 0.00004 | -212.13 | 99.00  | 0.00004 |
| -219.20 | 91.92  | 0.00004 | -226.27 | 84.85  | 0.00004 |
| -77.78  | 219.20 | 0.00003 | -84.85  | 212.13 | 0.00004 |
| -91.92  | 205.06 | 0.00004 | -98.99  | 197.99 | 0.00004 |
| -106.07 | 190.92 | 0.00004 | -113.14 | 183.85 | 0.00004 |
| -120.21 | 176.78 | 0.00004 | -127.28 | 169.71 | 0.00005 |
| -130.81 | 166.17 | 0.00005 | -134.35 | 162.63 | 0.00005 |
| -136.47 | 160.51 | 0.00005 | -137.89 | 159.10 | 0.00005 |
| -139.30 | 157.68 | 0.00005 | -140.71 | 156.27 | 0.00005 |
| -142.13 | 154.86 | 0.00005 | -154.86 | 142.13 | 0.00005 |
| -156.27 | 140.71 | 0.00005 | -157.68 | 139.30 | 0.00005 |
| -159.10 | 137.89 | 0.00005 | -160.51 | 136.47 | 0.00005 |
| -162.63 | 134.35 | 0.00005 | -166.17 | 130.81 | 0.00005 |
| -169.71 | 127.28 | 0.00005 | -176.78 | 120.21 | 0.00005 |
| -183.85 | 113.14 | 0.00005 | -190.92 | 106.07 | 0.00005 |
| -197.99 | 99.00  | 0.00005 | -205.06 | 91.92  | 0.00004 |
| -212.13 | 84.85  | 0.00004 | -219.20 | 77.78  | 0.00004 |
| -70.71  | 212.13 | 0.00004 | -77.78  | 205.06 | 0.00004 |
| -84.85  | 197.99 | 0.00004 | -91.92  | 190.92 | 0.00004 |
| -98.99  | 183.85 | 0.00004 | -106.07 | 176.78 | 0.00004 |
| -113.14 | 169.71 | 0.00005 | -120.21 | 162.63 | 0.00005 |
| -123.74 | 159.10 | 0.00005 | -127.28 | 155.56 | 0.00005 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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 \*\*MODELOPTS:  
 PAGE 25  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S1 \*\*\*

INCLUDING SOURCE(S): NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40     | 153.44      | 0.00005 | -130.81     | 152.03      | 0.00005 |
| -132.23     | 150.61      | 0.00005 | -133.64     | 149.20      | 0.00005 |
| -135.06     | 147.79      | 0.00005 | -147.79     | 135.06      | 0.00005 |
| -149.20     | 133.64      | 0.00005 | -150.61     | 132.23      | 0.00005 |
| -152.03     | 130.81      | 0.00005 | -153.44     | 129.40      | 0.00005 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -155.56 | 127.28 | 0.00005 | -159.10 | 123.74 | 0.00005 |
| -162.63 | 120.21 | 0.00005 | -169.71 | 113.14 | 0.00005 |
| -176.78 | 106.07 | 0.00005 | -183.85 | 98.99  | 0.00005 |
| -190.92 | 91.92  | 0.00005 | -197.99 | 84.85  | 0.00005 |
| -205.06 | 77.78  | 0.00005 | -212.13 | 70.71  | 0.00004 |
| -63.64  | 205.06 | 0.00004 | -70.71  | 197.99 | 0.00004 |
| -77.78  | 190.92 | 0.00004 | -84.85  | 183.85 | 0.00004 |
| -91.92  | 176.78 | 0.00004 | -98.99  | 169.71 | 0.00005 |
| -106.07 | 162.63 | 0.00005 | -113.14 | 155.56 | 0.00005 |
| -116.67 | 152.03 | 0.00005 | -120.21 | 148.49 | 0.00005 |
| -122.33 | 146.37 | 0.00005 | -123.74 | 144.96 | 0.00005 |
| -125.16 | 143.54 | 0.00005 | -126.57 | 142.13 | 0.00005 |
| -127.99 | 140.71 | 0.00005 | -140.71 | 127.99 | 0.00006 |
| -142.13 | 126.57 | 0.00006 | -143.54 | 125.16 | 0.00006 |
| -144.96 | 123.74 | 0.00006 | -146.37 | 122.33 | 0.00006 |
| -148.49 | 120.21 | 0.00006 | -152.03 | 116.67 | 0.00006 |
| -155.56 | 113.14 | 0.00006 | -162.63 | 106.07 | 0.00005 |
| -169.71 | 98.99  | 0.00005 | -176.78 | 91.92  | 0.00005 |
| -183.85 | 84.85  | 0.00005 | -190.92 | 77.78  | 0.00005 |
| -197.99 | 70.71  | 0.00005 | -205.06 | 63.64  | 0.00005 |
| -56.57  | 197.99 | 0.00004 | -63.64  | 190.92 | 0.00004 |
| -70.71  | 183.85 | 0.00004 | -77.78  | 176.78 | 0.00004 |
| -84.85  | 169.71 | 0.00005 | -91.92  | 162.63 | 0.00005 |
| -98.99  | 155.56 | 0.00005 | -106.07 | 148.49 | 0.00005 |
| -109.60 | 144.96 | 0.00005 | -113.14 | 141.42 | 0.00006 |
| -115.26 | 139.30 | 0.00006 | -116.67 | 137.89 | 0.00006 |
| -118.09 | 136.47 | 0.00006 | -119.50 | 135.06 | 0.00006 |
| -120.92 | 133.64 | 0.00006 | -133.64 | 120.92 | 0.00006 |
| -135.06 | 119.50 | 0.00006 | -136.47 | 118.09 | 0.00006 |
| -137.89 | 116.67 | 0.00006 | -139.30 | 115.26 | 0.00006 |
| -141.42 | 113.14 | 0.00006 | -144.96 | 109.60 | 0.00006 |
| -148.49 | 106.07 | 0.00006 | -155.56 | 98.99  | 0.00006 |
| -162.63 | 91.92  | 0.00006 | -169.71 | 84.85  | 0.00005 |
| -176.78 | 77.78  | 0.00005 | -183.85 | 70.71  | 0.00005 |
| -190.92 | 63.64  | 0.00005 | -197.99 | 56.57  | 0.00005 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTS:  
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CONC      URBAN FLAT      FLGPOL      DFAULT

\*\*\*      \*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION      VALUES FOR SOURCE GROUP: NCRA\_S1  
 INCLUDING SOURCE(S):      NCRA\_S1 ,  
                                  \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*  
                                  \*\* CONC OF OTHER      IN MICROGRAMS/M\*\*3      \*\*

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound  
CONC

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -49.50      | 190.92      | 0.00004 | -56.57      | 183.85      | 0.00004 |
| -63.64      | 176.78      | 0.00004 | -70.71      | 169.71      | 0.00005 |
| -77.78      | 162.63      | 0.00005 | -84.85      | 155.56      | 0.00005 |
| -91.92      | 148.49      | 0.00005 | -98.99      | 141.42      | 0.00006 |
| -102.53     | 137.89      | 0.00006 | -106.07     | 134.35      | 0.00006 |
| -108.19     | 132.23      | 0.00006 | -109.60     | 130.81      | 0.00006 |
| -111.02     | 129.40      | 0.00006 | -112.43     | 127.99      | 0.00006 |
| -113.84     | 126.57      | 0.00006 | -126.57     | 113.84      | 0.00006 |
| -127.99     | 112.43      | 0.00006 | -129.40     | 111.02      | 0.00006 |
| -130.81     | 109.60      | 0.00006 | -132.23     | 108.19      | 0.00006 |
| -134.35     | 106.07      | 0.00006 | -137.89     | 102.53      | 0.00006 |
| -141.42     | 98.99       | 0.00006 | -148.49     | 91.92       | 0.00006 |
| -155.56     | 84.85       | 0.00006 | -162.63     | 77.78       | 0.00006 |
| -169.71     | 70.71       | 0.00006 | -176.78     | 63.64       | 0.00005 |
| -183.85     | 56.57       | 0.00005 | -190.92     | 49.50       | 0.00005 |
| -42.43      | 183.85      | 0.00004 | -49.50      | 176.78      | 0.00004 |
| -56.57      | 169.71      | 0.00005 | -63.64      | 162.63      | 0.00005 |
| -70.71      | 155.56      | 0.00005 | -77.78      | 148.49      | 0.00005 |
| -84.85      | 141.42      | 0.00006 | -91.92      | 134.35      | 0.00006 |
| -95.46      | 130.81      | 0.00006 | -98.99      | 127.28      | 0.00006 |
| -101.12     | 125.16      | 0.00006 | -102.53     | 123.74      | 0.00006 |
| -103.94     | 122.33      | 0.00006 | -105.36     | 120.92      | 0.00006 |
| -106.77     | 119.50      | 0.00006 | -119.50     | 106.77      | 0.00007 |
| -120.92     | 105.36      | 0.00007 | -122.33     | 103.94      | 0.00007 |
| -123.74     | 102.53      | 0.00007 | -125.16     | 101.12      | 0.00007 |
| -127.28     | 98.99       | 0.00007 | -130.81     | 95.46       | 0.00007 |
| -134.35     | 91.92       | 0.00007 | -141.42     | 84.85       | 0.00006 |
| -148.49     | 77.78       | 0.00006 | -155.56     | 70.71       | 0.00006 |
| -162.63     | 63.64       | 0.00006 | -169.71     | 56.57       | 0.00006 |
| -176.78     | 49.50       | 0.00005 | -183.85     | 42.43       | 0.00005 |
| -35.36      | 176.78      | 0.00004 | -42.43      | 169.71      | 0.00005 |
| -49.50      | 162.63      | 0.00005 | -56.57      | 155.56      | 0.00005 |
| -63.64      | 148.49      | 0.00005 | -70.71      | 141.42      | 0.00006 |
| -77.78      | 134.35      | 0.00006 | -84.85      | 127.28      | 0.00006 |
| -88.39      | 123.74      | 0.00006 | -91.92      | 120.21      | 0.00006 |
| -94.05      | 118.09      | 0.00007 | -95.46      | 116.67      | 0.00007 |
| -96.87      | 115.26      | 0.00007 | -98.29      | 113.84      | 0.00007 |
| -99.70      | 112.43      | 0.00007 | -112.43     | 99.70       | 0.00007 |
| -113.84     | 98.29       | 0.00007 | -115.26     | 96.87       | 0.00007 |
| -116.67     | 95.46       | 0.00007 | -118.09     | 94.05       | 0.00007 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

15:49:41  
\*\*MODELOPTS:



\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S1

\*\*\*

INCLUDING SOURCE(S): NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -120.21     | 91.92       | 0.00007 | -123.74     | 88.39       | 0.00007 |
| -127.28     | 84.85       | 0.00007 | -134.35     | 77.78       | 0.00007 |
| -141.42     | 70.71       | 0.00007 | -148.49     | 63.64       | 0.00006 |
| -155.56     | 56.57       | 0.00006 | -162.63     | 49.50       | 0.00006 |
| -169.71     | 42.43       | 0.00006 | -176.78     | 35.36       | 0.00006 |
| -28.28      | 169.71      | 0.00004 | -35.36      | 162.63      | 0.00005 |
| -42.43      | 155.56      | 0.00005 | -49.50      | 148.49      | 0.00005 |
| -56.57      | 141.42      | 0.00006 | -63.64      | 134.35      | 0.00006 |
| -70.71      | 127.28      | 0.00006 | -77.78      | 120.21      | 0.00007 |
| -81.32      | 116.67      | 0.00007 | -84.85      | 113.14      | 0.00007 |
| -86.97      | 111.02      | 0.00007 | -88.39      | 109.60      | 0.00007 |
| -89.80      | 108.19      | 0.00007 | -91.22      | 106.77      | 0.00007 |
| -92.63      | 105.36      | 0.00007 | -105.36     | 92.63       | 0.00007 |
| -106.77     | 91.22       | 0.00007 | -108.19     | 89.80       | 0.00007 |
| -109.60     | 88.39       | 0.00007 | -111.02     | 86.97       | 0.00007 |
| -113.14     | 84.85       | 0.00007 | -116.67     | 81.32       | 0.00007 |
| -120.21     | 77.78       | 0.00007 | -127.28     | 70.71       | 0.00007 |
| -134.35     | 63.64       | 0.00007 | -141.42     | 56.57       | 0.00007 |
| -148.49     | 49.50       | 0.00006 | -155.56     | 42.43       | 0.00006 |
| -162.63     | 35.36       | 0.00006 | -169.71     | 28.28       | 0.00006 |
| -21.21      | 162.63      | 0.00005 | -28.28      | 155.56      | 0.00005 |
| -35.36      | 148.49      | 0.00005 | -42.43      | 141.42      | 0.00006 |
| -49.50      | 134.35      | 0.00006 | -56.57      | 127.28      | 0.00006 |
| -63.64      | 120.21      | 0.00007 | -70.71      | 113.14      | 0.00007 |
| -74.25      | 109.60      | 0.00007 | -77.78      | 106.07      | 0.00007 |
| -79.90      | 103.94      | 0.00007 | -81.32      | 102.53      | 0.00007 |
| -82.73      | 101.12      | 0.00007 | -84.15      | 99.70       | 0.00008 |
| -85.56      | 98.29       | 0.00008 | -98.29      | 85.56       | 0.00008 |
| -99.70      | 84.15       | 0.00008 | -101.12     | 82.73       | 0.00008 |
| -102.53     | 81.32       | 0.00008 | -103.94     | 79.90       | 0.00008 |
| -106.07     | 77.78       | 0.00008 | -109.60     | 74.25       | 0.00008 |
| -113.14     | 70.71       | 0.00008 | -120.21     | 63.64       | 0.00007 |
| -127.28     | 56.57       | 0.00007 | -134.35     | 49.50       | 0.00007 |
| -141.42     | 42.43       | 0.00007 | -148.49     | 35.36       | 0.00007 |
| -155.56     | 28.28       | 0.00006 | -162.63     | 21.21       | 0.00006 |
| -14.14      | 155.56      | 0.00005 | -21.21      | 148.49      | 0.00005 |
| -28.28      | 141.42      | 0.00006 | -35.36      | 134.35      | 0.00006 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -42.43 | 127.28 | 0.00006 | -49.50 | 120.21 | 0.00007 |
| -56.57 | 113.14 | 0.00007 | -63.64 | 106.07 | 0.00007 |
| -67.18 | 102.53 | 0.00008 | -70.71 | 98.99  | 0.00008 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S1  
 \*\*\* INCLUDING SOURCE(S):            NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER            IN MICROGRAMS/M\*\*3                      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -72.83      | 96.87       | 0.00008 | -74.25      | 95.46       | 0.00008 |
| -75.66      | 94.05       | 0.00008 | -77.07      | 92.63       | 0.00008 |
| -78.49      | 91.22       | 0.00008 | -91.22      | 78.49       | 0.00008 |
| -92.63      | 77.07       | 0.00008 | -94.05      | 75.66       | 0.00008 |
| -95.46      | 74.25       | 0.00008 | -96.87      | 72.83       | 0.00008 |
| -98.99      | 70.71       | 0.00008 | -102.53     | 67.18       | 0.00008 |
| -106.07     | 63.64       | 0.00008 | -113.14     | 56.57       | 0.00008 |
| -120.21     | 49.50       | 0.00008 | -127.28     | 42.43       | 0.00007 |
| -134.35     | 35.36       | 0.00007 | -141.42     | 28.28       | 0.00007 |
| -148.49     | 21.21       | 0.00007 | -155.56     | 14.14       | 0.00007 |
| -7.07       | 148.49      | 0.00005 | -14.14      | 141.42      | 0.00005 |
| -21.21      | 134.35      | 0.00006 | -28.28      | 127.28      | 0.00006 |
| -35.36      | 120.21      | 0.00006 | -42.43      | 113.14      | 0.00007 |
| -49.50      | 106.07      | 0.00007 | -56.57      | 98.99       | 0.00008 |
| -60.10      | 95.46       | 0.00008 | -63.64      | 91.92       | 0.00008 |
| -65.76      | 89.80       | 0.00008 | -67.18      | 88.39       | 0.00008 |
| -68.59      | 86.97       | 0.00008 | -70.00      | 85.56       | 0.00009 |
| -71.42      | 84.15       | 0.00009 | -84.15      | 71.42       | 0.00009 |
| -85.56      | 70.00       | 0.00009 | -86.97      | 68.59       | 0.00009 |
| -88.39      | 67.18       | 0.00009 | -89.80      | 65.76       | 0.00009 |
| -91.92      | 63.64       | 0.00009 | -95.46      | 60.10       | 0.00009 |
| -98.99      | 56.57       | 0.00009 | -106.07     | 49.50       | 0.00008 |
| -113.14     | 42.43       | 0.00008 | -120.21     | 35.36       | 0.00008 |
| -127.28     | 28.28       | 0.00008 | -134.35     | 21.21       | 0.00007 |
| -141.42     | 14.14       | 0.00007 | -148.49     | 7.07        | 0.00007 |
| 0.00        | 141.42      | 0.00005 | -7.07       | 134.35      | 0.00006 |
| -14.14      | 127.28      | 0.00006 | -21.21      | 120.21      | 0.00006 |
| -28.28      | 113.14      | 0.00007 | -35.36      | 106.07      | 0.00007 |
| -42.43      | 98.99       | 0.00008 | -49.50      | 91.92       | 0.00008 |
| -53.03      | 88.39       | 0.00008 | -56.57      | 84.85       | 0.00009 |
| -58.69      | 82.73       | 0.00009 | -60.10      | 81.32       | 0.00009 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |       |         |         |       |         |
|---------|-------|---------|---------|-------|---------|
| -61.52  | 79.90 | 0.00009 | -62.93  | 78.49 | 0.00009 |
| -64.35  | 77.07 | 0.00009 | -77.07  | 64.35 | 0.00010 |
| -78.49  | 62.93 | 0.00010 | -79.90  | 61.52 | 0.00010 |
| -81.32  | 60.10 | 0.00010 | -82.73  | 58.69 | 0.00010 |
| -84.85  | 56.57 | 0.00009 | -88.39  | 53.03 | 0.00009 |
| -91.92  | 49.50 | 0.00009 | -98.99  | 42.43 | 0.00009 |
| -106.07 | 35.36 | 0.00009 | -113.14 | 28.28 | 0.00008 |
| -120.21 | 21.21 | 0.00008 | -127.28 | 14.14 | 0.00008 |
| -134.35 | 7.07  | 0.00008 | -141.42 | 0.00  | 0.00008 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S1

\*\*\*

INCLUDING SOURCE(S): NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 7.07        | 134.35      | 0.00006 | 0.00        | 127.28      | 0.00006 |
| -7.07       | 120.21      | 0.00006 | -14.14      | 113.14      | 0.00007 |
| -21.21      | 106.07      | 0.00007 | -28.28      | 98.99       | 0.00008 |
| -35.36      | 91.92       | 0.00008 | -42.43      | 84.85       | 0.00009 |
| -45.96      | 81.32       | 0.00009 | -49.50      | 77.78       | 0.00009 |
| -51.62      | 75.66       | 0.00009 | -53.03      | 74.25       | 0.00010 |
| -54.45      | 72.83       | 0.00010 | -55.86      | 71.42       | 0.00010 |
| -57.28      | 70.00       | 0.00010 | -70.00      | 57.28       | 0.00010 |
| -71.42      | 55.86       | 0.00010 | -72.83      | 54.45       | 0.00010 |
| -74.25      | 53.03       | 0.00010 | -75.66      | 51.62       | 0.00010 |
| -77.78      | 49.50       | 0.00010 | -81.32      | 45.96       | 0.00010 |
| -84.85      | 42.43       | 0.00010 | -91.92      | 35.36       | 0.00010 |
| -98.99      | 28.28       | 0.00009 | -106.07     | 21.21       | 0.00009 |
| -113.14     | 14.14       | 0.00008 | -120.21     | 7.07        | 0.00008 |
| -127.28     | 0.00        | 0.00008 | -134.35     | -7.07       | 0.00008 |
| 14.14       | 127.28      | 0.00006 | 7.07        | 120.21      | 0.00006 |
| 0.00        | 113.14      | 0.00007 | -7.07       | 106.07      | 0.00007 |
| -14.14      | 98.99       | 0.00008 | -21.21      | 91.92       | 0.00008 |
| -28.28      | 84.85       | 0.00009 | -35.36      | 77.78       | 0.00009 |
| -38.89      | 74.25       | 0.00010 | -42.43      | 70.71       | 0.00010 |
| -44.55      | 68.59       | 0.00010 | -45.96      | 67.18       | 0.00010 |
| -47.38      | 65.76       | 0.00010 | -48.79      | 64.35       | 0.00010 |
| -50.20      | 62.93       | 0.00011 | -62.93      | 50.20       | 0.00011 |
| -64.35      | 48.79       | 0.00011 | -65.76      | 47.38       | 0.00011 |
| -67.18      | 45.96       | 0.00011 | -68.59      | 44.55       | 0.00011 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -70.71  | 42.43  | 0.00011 | -74.25  | 38.89  | 0.00011 |
| -77.78  | 35.36  | 0.00011 | -84.85  | 28.28  | 0.00010 |
| -91.92  | 21.21  | 0.00010 | -98.99  | 14.14  | 0.00009 |
| -106.07 | 7.07   | 0.00009 | -113.14 | 0.00   | 0.00009 |
| -120.21 | -7.07  | 0.00009 | -127.28 | -14.14 | 0.00009 |
| 21.21   | 120.21 | 0.00006 | 14.14   | 113.14 | 0.00007 |
| 7.07    | 106.07 | 0.00007 | 0.00    | 98.99  | 0.00008 |
| -7.07   | 91.92  | 0.00008 | -14.14  | 84.85  | 0.00009 |
| -21.21  | 77.78  | 0.00009 | -28.28  | 70.71  | 0.00010 |
| -31.82  | 67.18  | 0.00010 | -35.36  | 63.64  | 0.00011 |
| -37.48  | 61.52  | 0.00011 | -38.89  | 60.10  | 0.00011 |
| -40.31  | 58.69  | 0.00011 | -41.72  | 57.28  | 0.00011 |
| -43.13  | 55.86  | 0.00011 | -55.86  | 43.13  | 0.00012 |
| -57.28  | 41.72  | 0.00012 | -58.69  | 40.31  | 0.00012 |
| -60.10  | 38.89  | 0.00012 | -61.52  | 37.48  | 0.00012 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S1

\*\*\*

INCLUDING SOURCE(S): NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -63.64      | 35.36       | 0.00012 | -67.18      | 31.82       | 0.00012 |
| -70.71      | 28.28       | 0.00011 | -77.78      | 21.21       | 0.00011 |
| -84.85      | 14.14       | 0.00010 | -91.92      | 7.07        | 0.00010 |
| -98.99      | 0.00        | 0.00010 | -106.07     | -7.07       | 0.00009 |
| -113.14     | -14.14      | 0.00009 | -120.21     | -21.21      | 0.00009 |
| 28.28       | 113.14      | 0.00006 | 21.21       | 106.07      | 0.00007 |
| 14.14       | 98.99       | 0.00007 | 7.07        | 91.92       | 0.00008 |
| 0.00        | 84.85       | 0.00009 | -7.07       | 77.78       | 0.00009 |
| -14.14      | 70.71       | 0.00010 | -21.21      | 63.64       | 0.00011 |
| -24.75      | 60.10       | 0.00011 | -28.28      | 56.57       | 0.00011 |
| -30.41      | 54.45       | 0.00012 | -31.82      | 53.03       | 0.00012 |
| -33.23      | 51.62       | 0.00012 | -34.65      | 50.20       | 0.00012 |
| -36.06      | 48.79       | 0.00012 | -48.79      | 36.06       | 0.00013 |
| -50.20      | 34.65       | 0.00013 | -51.62      | 33.23       | 0.00013 |
| -53.03      | 31.82       | 0.00013 | -54.45      | 30.41       | 0.00013 |
| -56.57      | 28.28       | 0.00013 | -60.10      | 24.75       | 0.00012 |
| -63.64      | 21.21       | 0.00012 | -70.71      | 14.14       | 0.00012 |
| -77.78      | 7.07        | 0.00011 | -84.85      | 0.00        | 0.00011 |
| -91.92      | -7.07       | 0.00010 | -98.99      | -14.14      | 0.00010 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -106.07 | -21.21 | 0.00010 | -113.14 | -28.28 | 0.00010 |
| 35.36   | 106.07 | 0.00007 | 28.28   | 98.99  | 0.00007 |
| 21.21   | 91.92  | 0.00008 | 14.14   | 84.85  | 0.00009 |
| 7.07    | 77.78  | 0.00009 | 0.00    | 70.71  | 0.00010 |
| -7.07   | 63.64  | 0.00011 | -14.14  | 56.57  | 0.00012 |
| -17.68  | 53.03  | 0.00012 | -21.21  | 49.50  | 0.00012 |
| -23.33  | 47.38  | 0.00013 | -24.75  | 45.96  | 0.00013 |
| -26.16  | 44.55  | 0.00013 | -27.58  | 43.13  | 0.00013 |
| -28.99  | 41.72  | 0.00013 | -41.72  | 28.99  | 0.00014 |
| -43.13  | 27.58  | 0.00014 | -44.55  | 26.16  | 0.00014 |
| -45.96  | 24.75  | 0.00014 | -47.38  | 23.33  | 0.00014 |
| -49.50  | 21.21  | 0.00014 | -53.03  | 17.68  | 0.00013 |
| -56.57  | 14.14  | 0.00013 | -63.64  | 7.07   | 0.00013 |
| -70.71  | 0.00   | 0.00012 | -77.78  | -7.07  | 0.00011 |
| -84.85  | -14.14 | 0.00011 | -91.92  | -21.21 | 0.00011 |
| -98.99  | -28.28 | 0.00011 | -106.07 | -35.36 | 0.00011 |
| 42.43   | 98.99  | 0.00007 | 35.36   | 91.92  | 0.00008 |
| 28.28   | 84.85  | 0.00008 | 21.21   | 77.78  | 0.00009 |
| 14.14   | 70.71  | 0.00010 | 7.07    | 63.64  | 0.00011 |
| 0.00    | 56.57  | 0.00011 | -7.07   | 49.50  | 0.00012 |
| -10.61  | 45.96  | 0.00013 | -14.14  | 42.43  | 0.00013 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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\*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL    DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S1

\*\*\*                      INCLUDING SOURCE(S):              NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER              IN MICROGRAMS/M\*\*3                      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -16.26      | 40.31       | 0.00014 | -17.68      | 38.89       | 0.00014 |
| -19.09      | 37.48       | 0.00014 | -20.51      | 36.06       | 0.00014 |
| -21.92      | 34.65       | 0.00014 | -34.65      | 21.92       | 0.00015 |
| -36.06      | 20.51       | 0.00015 | -37.48      | 19.09       | 0.00015 |
| -38.89      | 17.68       | 0.00015 | -40.31      | 16.26       | 0.00015 |
| -42.43      | 14.14       | 0.00015 | -45.96      | 10.61       | 0.00014 |
| -49.50      | 7.07        | 0.00014 | -56.57      | 0.00        | 0.00013 |
| -63.64      | -7.07       | 0.00013 | -70.71      | -14.14      | 0.00012 |
| -77.78      | -21.21      | 0.00012 | -84.85      | -28.28      | 0.00012 |
| -91.92      | -35.36      | 0.00012 | -98.99      | -42.43      | 0.00011 |
| 49.50       | 91.92       | 0.00007 | 42.43       | 84.85       | 0.00008 |
| 35.36       | 77.78       | 0.00009 | 28.28       | 70.71       | 0.00010 |
| 21.21       | 63.64       | 0.00011 | 14.14       | 56.57       | 0.00011 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 7.07   | 49.50  | 0.00012 | 0.00   | 42.43  | 0.00013 |
| -3.54  | 38.89  | 0.00014 | -7.07  | 35.36  | 0.00015 |
| -9.19  | 33.23  | 0.00015 | -10.61 | 31.82  | 0.00015 |
| -12.02 | 30.41  | 0.00015 | -13.44 | 28.99  | 0.00015 |
| -14.85 | 27.58  | 0.00016 | -27.58 | 14.85  | 0.00016 |
| -28.99 | 13.44  | 0.00016 | -30.41 | 12.02  | 0.00016 |
| -31.82 | 10.61  | 0.00016 | -33.23 | 9.19   | 0.00016 |
| -35.36 | 7.07   | 0.00016 | -38.89 | 3.54   | 0.00016 |
| -42.43 | 0.00   | 0.00015 | -49.50 | -7.07  | 0.00015 |
| -56.57 | -14.14 | 0.00014 | -63.64 | -21.21 | 0.00013 |
| -70.71 | -28.28 | 0.00013 | -77.78 | -35.36 | 0.00013 |
| -84.85 | -42.43 | 0.00013 | -91.92 | -49.50 | 0.00012 |
| 56.57  | 84.85  | 0.00007 | 49.50  | 77.78  | 0.00008 |
| 42.43  | 70.71  | 0.00009 | 35.36  | 63.64  | 0.00010 |
| 28.28  | 56.57  | 0.00011 | 21.21  | 49.50  | 0.00012 |
| 14.14  | 42.43  | 0.00013 | 7.07   | 35.36  | 0.00015 |
| 3.54   | 31.82  | 0.00015 | 0.00   | 28.28  | 0.00016 |
| -2.12  | 26.16  | 0.00016 | -3.54  | 24.75  | 0.00016 |
| -4.95  | 23.33  | 0.00017 | -6.36  | 21.92  | 0.00017 |
| -7.78  | 20.51  | 0.00017 | -20.51 | 7.78   | 0.00018 |
| -21.92 | 6.36   | 0.00018 | -23.33 | 4.95   | 0.00018 |
| -24.75 | 3.54   | 0.00018 | -26.16 | 2.12   | 0.00018 |
| -28.28 | 0.00   | 0.00018 | -31.82 | -3.54  | 0.00017 |
| -35.36 | -7.07  | 0.00017 | -42.43 | -14.14 | 0.00016 |
| -49.50 | -21.21 | 0.00015 | -56.57 | -28.28 | 0.00015 |
| -63.64 | -35.36 | 0.00014 | -70.71 | -42.43 | 0.00014 |
| -77.78 | -49.50 | 0.00014 | -84.85 | -56.57 | 0.00013 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL    DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S1  
 \*\*\* INCLUDING SOURCE(S):            NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER            IN MICROGRAMS/M\*\*3            \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 63.64       | 77.78       | 0.00007 | 56.57       | 70.71       | 0.00008 |
| 49.50       | 63.64       | 0.00010 | 42.43       | 56.57       | 0.00011 |
| 35.36       | 49.50       | 0.00012 | 28.28       | 42.43       | 0.00013 |
| 21.21       | 35.36       | 0.00014 | 14.14       | 28.28       | 0.00016 |
| 10.61       | 24.75       | 0.00017 | 7.07        | 21.21       | 0.00017 |
| 4.95        | 19.09       | 0.00018 | 3.54        | 17.68       | 0.00018 |
| 2.12        | 16.26       | 0.00018 | 0.71        | 14.85       | 0.00019 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -0.71  | 13.44  | 0.00019 | -13.44 | 0.71   | 0.00020 |
| -14.85 | -0.71  | 0.00020 | -16.26 | -2.12  | 0.00020 |
| -17.68 | -3.54  | 0.00020 | -19.09 | -4.95  | 0.00020 |
| -21.21 | -7.07  | 0.00019 | -24.75 | -10.61 | 0.00019 |
| -28.28 | -14.14 | 0.00018 | -35.36 | -21.21 | 0.00017 |
| -42.43 | -28.28 | 0.00016 | -49.50 | -35.36 | 0.00016 |
| -56.57 | -42.43 | 0.00016 | -63.64 | -49.50 | 0.00015 |
| -70.71 | -56.57 | 0.00015 | -77.78 | -63.64 | 0.00014 |
| 70.71  | 70.71  | 0.00008 | 63.64  | 63.64  | 0.00009 |
| 56.57  | 56.57  | 0.00010 | 49.50  | 49.50  | 0.00011 |
| 42.43  | 42.43  | 0.00013 | 35.36  | 35.36  | 0.00014 |
| 28.28  | 28.28  | 0.00016 | 21.21  | 21.21  | 0.00017 |
| 17.68  | 17.68  | 0.00018 | 14.14  | 14.14  | 0.00019 |
| 12.02  | 12.02  | 0.00020 | 10.61  | 10.61  | 0.00020 |
| 9.19   | 9.19   | 0.00020 | 7.78   | 7.78   | 0.00021 |
| 6.36   | 6.36   | 0.00021 | -6.36  | -6.36  | 0.00022 |
| -7.78  | -7.78  | 0.00022 | -9.19  | -9.19  | 0.00022 |
| -10.61 | -10.61 | 0.00022 | -12.02 | -12.02 | 0.00022 |
| -14.14 | -14.14 | 0.00021 | -17.68 | -17.68 | 0.00021 |
| -21.21 | -21.21 | 0.00020 | -28.28 | -28.28 | 0.00019 |
| -35.36 | -35.36 | 0.00018 | -42.43 | -42.43 | 0.00018 |
| -49.50 | -49.50 | 0.00017 | -56.57 | -56.57 | 0.00017 |
| -63.64 | -63.64 | 0.00016 | -70.71 | -70.71 | 0.00015 |
| 77.78  | 63.64  | 0.00008 | 70.71  | 56.57  | 0.00009 |
| 63.64  | 49.50  | 0.00010 | 56.57  | 42.43  | 0.00012 |
| 49.50  | 35.36  | 0.00014 | 42.43  | 28.28  | 0.00015 |
| 35.36  | 21.21  | 0.00017 | 28.28  | 14.14  | 0.00019 |
| 24.75  | 10.61  | 0.00020 | 21.21  | 7.07   | 0.00021 |
| 19.09  | 4.95   | 0.00022 | 17.68  | 3.54   | 0.00022 |
| 16.26  | 2.12   | 0.00022 | 14.85  | 0.71   | 0.00023 |
| 13.44  | -0.71  | 0.00023 | 0.71   | -13.44 | 0.00025 |
| -0.71  | -14.85 | 0.00024 | -2.12  | -16.26 | 0.00024 |
| -3.54  | -17.68 | 0.00024 | -4.95  | -19.09 | 0.00024 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S1  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -7.07       | -21.21      | 0.00024 | -10.61      | -24.75      | 0.00023 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -14.14 | -28.28 | 0.00022 | -21.21 | -35.36 | 0.00021 |
| -28.28 | -42.43 | 0.00020 | -35.36 | -49.50 | 0.00019 |
| -42.43 | -56.57 | 0.00019 | -49.50 | -63.64 | 0.00018 |
| -56.57 | -70.71 | 0.00017 | -63.64 | -77.78 | 0.00015 |
| 84.85  | 56.57  | 0.00008 | 77.78  | 49.50  | 0.00009 |
| 70.71  | 42.43  | 0.00011 | 63.64  | 35.36  | 0.00013 |
| 56.57  | 28.28  | 0.00015 | 49.50  | 21.21  | 0.00017 |
| 42.43  | 14.14  | 0.00019 | 35.36  | 7.07   | 0.00021 |
| 31.82  | 3.54   | 0.00022 | 28.28  | 0.00   | 0.00023 |
| 26.16  | -2.12  | 0.00024 | 24.75  | -3.54  | 0.00025 |
| 23.33  | -4.95  | 0.00025 | 21.92  | -6.36  | 0.00025 |
| 20.51  | -7.78  | 0.00026 | 7.78   | -20.51 | 0.00028 |
| 6.36   | -21.92 | 0.00027 | 4.95   | -23.33 | 0.00027 |
| 3.54   | -24.75 | 0.00027 | 2.12   | -26.16 | 0.00027 |
| 0.00   | -28.28 | 0.00026 | -3.54  | -31.82 | 0.00025 |
| -7.07  | -35.36 | 0.00024 | -14.14 | -42.43 | 0.00023 |
| -21.21 | -49.50 | 0.00022 | -28.28 | -56.57 | 0.00021 |
| -35.36 | -63.64 | 0.00021 | -42.43 | -70.71 | 0.00019 |
| -49.50 | -77.78 | 0.00018 | -56.57 | -84.85 | 0.00016 |
| 91.92  | 49.50  | 0.00008 | 84.85  | 42.43  | 0.00010 |
| 77.78  | 35.36  | 0.00011 | 70.71  | 28.28  | 0.00013 |
| 63.64  | 21.21  | 0.00016 | 56.57  | 14.14  | 0.00018 |
| 49.50  | 7.07   | 0.00021 | 42.43  | 0.00   | 0.00023 |
| 38.89  | -3.54  | 0.00025 | 35.36  | -7.07  | 0.00026 |
| 33.23  | -9.19  | 0.00027 | 31.82  | -10.61 | 0.00027 |
| 30.41  | -12.02 | 0.00028 | 28.99  | -13.44 | 0.00029 |
| 27.58  | -14.85 | 0.00029 | 14.85  | -27.58 | 0.00031 |
| 13.44  | -28.99 | 0.00031 | 12.02  | -30.41 | 0.00031 |
| 10.61  | -31.82 | 0.00030 | 9.19   | -33.23 | 0.00030 |
| 7.07   | -35.36 | 0.00029 | 3.54   | -38.89 | 0.00028 |
| 0.00   | -42.43 | 0.00027 | -7.07  | -49.50 | 0.00026 |
| -14.14 | -56.57 | 0.00025 | -21.21 | -63.64 | 0.00024 |
| -28.28 | -70.71 | 0.00023 | -35.36 | -77.78 | 0.00021 |
| -42.43 | -84.85 | 0.00019 | -49.50 | -91.92 | 0.00017 |
| 98.99  | 42.43  | 0.00008 | 91.92  | 35.36  | 0.00010 |
| 84.85  | 28.28  | 0.00012 | 77.78  | 21.21  | 0.00014 |
| 70.71  | 14.14  | 0.00017 | 63.64  | 7.07   | 0.00020 |
| 56.57  | 0.00   | 0.00023 | 49.50  | -7.07  | 0.00026 |
| 45.96  | -10.61 | 0.00028 | 42.43  | -14.14 | 0.00029 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT



\*\*\*

INCLUDING SOURCE(S) : NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

|             |             | ** CONC OF OTHER | IN MICROGRAMS/M**3 |             | **      |
|-------------|-------------|------------------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC             | X-COORD (M)        | Y-COORD (M) | CONC    |
| 40.31       | -16.26      | 0.00030          | 38.89              | -17.68      | 0.00031 |
| 37.48       | -19.09      | 0.00032          | 36.06              | -20.51      | 0.00032 |
| 34.65       | -21.92      | 0.00033          | 21.92              | -34.65      | 0.00035 |
| 20.51       | -36.06      | 0.00035          | 19.09              | -37.48      | 0.00035 |
| 17.68       | -38.89      | 0.00034          | 16.26              | -40.31      | 0.00034 |
| 14.14       | -42.43      | 0.00033          | 10.61              | -45.96      | 0.00032 |
| 7.07        | -49.50      | 0.00031          | 0.00               | -56.57      | 0.00029 |
| -7.07       | -63.64      | 0.00028          | -14.14             | -70.71      | 0.00026 |
| -21.21      | -77.78      | 0.00025          | -28.28             | -84.85      | 0.00022 |
| -35.36      | -91.92      | 0.00020          | -42.43             | -98.99      | 0.00018 |
| 106.07      | 35.36       | 0.00008          | 98.99              | 28.28       | 0.00010 |
| 91.92       | 21.21       | 0.00012          | 84.85              | 14.14       | 0.00014 |
| 77.78       | 7.07        | 0.00017          | 70.71              | 0.00        | 0.00021 |
| 63.64       | -7.07       | 0.00025          | 56.57              | -14.14      | 0.00029 |
| 53.03       | -17.68      | 0.00031          | 49.50              | -21.21      | 0.00033 |
| 47.38       | -23.33      | 0.00034          | 45.96              | -24.75      | 0.00035 |
| 44.55       | -26.16      | 0.00036          | 43.13              | -27.58      | 0.00037 |
| 41.72       | -28.99      | 0.00038          | 28.99              | -41.72      | 0.00041 |
| 27.58       | -43.13      | 0.00040          | 26.16              | -44.55      | 0.00040 |
| 24.75       | -45.96      | 0.00039          | 23.33              | -47.38      | 0.00038 |
| 21.21       | -49.50      | 0.00037          | 17.68              | -53.03      | 0.00036 |
| 14.14       | -56.57      | 0.00035          | 7.07               | -63.64      | 0.00033 |
| 0.00        | -70.71      | 0.00031          | -7.07              | -77.78      | 0.00029 |
| -14.14      | -84.85      | 0.00026          | -21.21             | -91.92      | 0.00024 |
| -28.28      | -98.99      | 0.00021          | -35.36             | -106.07     | 0.00018 |
| 113.14      | 28.28       | 0.00009          | 106.07             | 21.21       | 0.00010 |
| 98.99       | 14.14       | 0.00012          | 91.92              | 7.07        | 0.00015 |
| 84.85       | 0.00        | 0.00018          | 77.78              | -7.07       | 0.00022 |
| 70.71       | -14.14      | 0.00027          | 63.64              | -21.21      | 0.00032 |
| 60.10       | -24.75      | 0.00035          | 56.57              | -28.28      | 0.00038 |
| 54.45       | -30.41      | 0.00039          | 53.03              | -31.82      | 0.00040 |
| 51.62       | -33.23      | 0.00042          | 50.20              | -34.65      | 0.00043 |
| 48.79       | -36.06      | 0.00044          | 36.06              | -48.79      | 0.00047 |
| 34.65       | -50.20      | 0.00046          | 33.23              | -51.62      | 0.00046 |
| 31.82       | -53.03      | 0.00045          | 30.41              | -54.45      | 0.00044 |
| 28.28       | -56.57      | 0.00043          | 24.75              | -60.10      | 0.00041 |
| 21.21       | -63.64      | 0.00040          | 14.14              | -70.71      | 0.00038 |
| 7.07        | -77.78      | 0.00035          | 0.00               | -84.85      | 0.00032 |
| -7.07       | -91.92      | 0.00028          | -14.14             | -98.99      | 0.00025 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

-21.21 -106.07 0.00022 -28.28 -113.14 0.00019

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* 04/20/08 \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 \*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S1  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 120.21      | 21.21       | 0.00009 | 113.14      | 14.14       | 0.00010 |
| 106.07      | 7.07        | 0.00012 | 98.99       | 0.00        | 0.00015 |
| 91.92       | -7.07       | 0.00019 | 84.85       | -14.14      | 0.00024 |
| 77.78       | -21.21      | 0.00030 | 70.71       | -28.28      | 0.00036 |
| 67.18       | -31.82      | 0.00040 | 63.64       | -35.36      | 0.00043 |
| 61.52       | -37.48      | 0.00045 | 60.10       | -38.89      | 0.00047 |
| 58.69       | -40.31      | 0.00048 | 57.28       | -41.72      | 0.00050 |
| 55.86       | -43.13      | 0.00051 | 43.13       | -55.86      | 0.00055 |
| 41.72       | -57.28      | 0.00054 | 40.31       | -58.69      | 0.00053 |
| 38.89       | -60.10      | 0.00052 | 37.48       | -61.52      | 0.00051 |
| 35.36       | -63.64      | 0.00049 | 31.82       | -67.18      | 0.00047 |
| 28.28       | -70.71      | 0.00046 | 21.21       | -77.78      | 0.00043 |
| 14.14       | -84.85      | 0.00039 | 7.07        | -91.92      | 0.00035 |
| 0.00        | -98.99      | 0.00030 | -7.07       | -106.07     | 0.00026 |
| -14.14      | -113.14     | 0.00023 | -21.21      | -120.21     | 0.00020 |
| 127.28      | 14.14       | 0.00009 | 120.21      | 7.07        | 0.00010 |
| 113.14      | 0.00        | 0.00013 | 106.07      | -7.07       | 0.00016 |
| 98.99       | -14.14      | 0.00020 | 91.92       | -21.21      | 0.00025 |
| 84.85       | -28.28      | 0.00032 | 77.78       | -35.36      | 0.00041 |
| 74.25       | -38.89      | 0.00045 | 70.71       | -42.43      | 0.00050 |
| 68.59       | -44.55      | 0.00053 | 67.18       | -45.96      | 0.00055 |
| 65.76       | -47.38      | 0.00057 | 64.35       | -48.79      | 0.00058 |
| 62.93       | -50.20      | 0.00060 | 50.20       | -62.93      | 0.00065 |
| 48.79       | -64.35      | 0.00063 | 47.38       | -65.76      | 0.00062 |
| 45.96       | -67.18      | 0.00061 | 44.55       | -68.59      | 0.00059 |
| 42.43       | -70.71      | 0.00058 | 38.89       | -74.25      | 0.00055 |
| 35.36       | -77.78      | 0.00053 | 28.28       | -84.85      | 0.00049 |
| 21.21       | -91.92      | 0.00043 | 14.14       | -98.99      | 0.00037 |
| 7.07        | -106.07     | 0.00032 | 0.00        | -113.14     | 0.00028 |
| -7.07       | -120.21     | 0.00024 | -14.14      | -127.28     | 0.00021 |
| 134.35      | 7.07        | 0.00009 | 127.28      | 0.00        | 0.00011 |
| 120.21      | -7.07       | 0.00013 | 113.14      | -14.14      | 0.00016 |
| 106.07      | -21.21      | 0.00020 | 98.99       | -28.28      | 0.00026 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|       |        |         |       |        |         |
|-------|--------|---------|-------|--------|---------|
| 91.92 | -35.36 | 0.00034 | 84.85 | -42.43 | 0.00045 |
| 81.32 | -45.96 | 0.00051 | 77.78 | -49.50 | 0.00058 |
| 75.66 | -51.62 | 0.00062 | 74.25 | -53.03 | 0.00064 |
| 72.83 | -54.45 | 0.00067 | 71.42 | -55.86 | 0.00070 |
| 70.00 | -57.28 | 0.00072 | 57.28 | -70.00 | 0.00077 |
| 55.86 | -71.42 | 0.00075 | 54.45 | -72.83 | 0.00074 |
| 53.03 | -74.25 | 0.00072 | 51.62 | -75.66 | 0.00070 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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\*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S1

INCLUDING SOURCE(S) :            NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER            IN MICROGRAMS/M\*\*3                      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 49.50       | -77.78      | 0.00068 | 45.96       | -81.32      | 0.00065 |
| 42.43       | -84.85      | 0.00062 | 35.36       | -91.92      | 0.00055 |
| 28.28       | -98.99      | 0.00047 | 21.21       | -106.07     | 0.00040 |
| 14.14       | -113.14     | 0.00034 | 7.07        | -120.21     | 0.00029 |
| 0.00        | -127.28     | 0.00025 | -7.07       | -134.35     | 0.00022 |
| 141.42      | 0.00        | 0.00009 | 134.35      | -7.07       | 0.00011 |
| 127.28      | -14.14      | 0.00013 | 120.21      | -21.21      | 0.00016 |
| 113.14      | -28.28      | 0.00021 | 106.07      | -35.36      | 0.00027 |
| 98.99       | -42.43      | 0.00036 | 91.92       | -49.50      | 0.00049 |
| 88.39       | -53.03      | 0.00057 | 84.85       | -56.57      | 0.00067 |
| 82.73       | -58.69      | 0.00072 | 81.32       | -60.10      | 0.00076 |
| 79.90       | -61.52      | 0.00080 | 78.49       | -62.93      | 0.00084 |
| 77.07       | -64.35      | 0.00088 | 64.35       | -77.07      | 0.00093 |
| 62.93       | -78.49      | 0.00091 | 61.52       | -79.90      | 0.00088 |
| 60.10       | -81.32      | 0.00086 | 58.69       | -82.73      | 0.00084 |
| 56.57       | -84.85      | 0.00081 | 53.03       | -88.39      | 0.00077 |
| 49.50       | -91.92      | 0.00071 | 42.43       | -98.99      | 0.00060 |
| 35.36       | -106.07     | 0.00051 | 28.28       | -113.14     | 0.00043 |
| 21.21       | -120.21     | 0.00036 | 14.14       | -127.28     | 0.00030 |
| 7.07        | -134.35     | 0.00026 | 0.00        | -141.42     | 0.00023 |
| 148.49      | -7.07       | 0.00010 | 141.42      | -14.14      | 0.00011 |
| 134.35      | -21.21      | 0.00014 | 127.28      | -28.28      | 0.00017 |
| 120.21      | -35.36      | 0.00021 | 113.14      | -42.43      | 0.00028 |
| 106.07      | -49.50      | 0.00038 | 98.99       | -56.57      | 0.00052 |
| 95.46       | -60.10      | 0.00063 | 91.92       | -63.64      | 0.00075 |
| 89.80       | -65.76      | 0.00083 | 88.39       | -67.18      | 0.00089 |
| 86.97       | -68.59      | 0.00095 | 85.56       | -70.00      | 0.00101 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 84.15  | -71.42  | 0.00107 | 71.42  | -84.15  | 0.00114 |
| 70.00  | -85.56  | 0.00110 | 68.59  | -86.97  | 0.00107 |
| 67.18  | -88.39  | 0.00104 | 65.76  | -89.80  | 0.00101 |
| 63.64  | -91.92  | 0.00096 | 60.10  | -95.46  | 0.00087 |
| 56.57  | -98.99  | 0.00079 | 49.50  | -106.07 | 0.00066 |
| 42.43  | -113.14 | 0.00054 | 35.36  | -120.21 | 0.00045 |
| 28.28  | -127.28 | 0.00037 | 21.21  | -134.35 | 0.00032 |
| 14.14  | -141.42 | 0.00027 | 7.07   | -148.49 | 0.00023 |
| 155.56 | -14.14  | 0.00010 | 148.49 | -21.21  | 0.00012 |
| 141.42 | -28.28  | 0.00014 | 134.35 | -35.36  | 0.00018 |
| 127.28 | -42.43  | 0.00022 | 120.21 | -49.50  | 0.00029 |
| 113.14 | -56.57  | 0.00039 | 106.07 | -63.64  | 0.00055 |
| 102.53 | -67.18  | 0.00067 | 98.99  | -70.71  | 0.00081 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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\*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL    DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S1  
 \*\*\* INCLUDING SOURCE(S):            NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER            IN MICROGRAMS/M\*\*3                      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 96.87       | -72.83      | 0.00093 | 95.46       | -74.25      | 0.00101 |
| 94.05       | -75.66      | 0.00110 | 92.63       | -77.07      | 0.00120 |
| 91.22       | -78.49      | 0.00129 | 78.49       | -91.22      | 0.00140 |
| 77.07       | -92.63      | 0.00134 | 75.66       | -94.05      | 0.00128 |
| 74.25       | -95.46      | 0.00122 | 72.83       | -96.87      | 0.00116 |
| 70.71       | -98.99      | 0.00108 | 67.18       | -102.53     | 0.00097 |
| 63.64       | -106.07     | 0.00087 | 56.57       | -113.14     | 0.00071 |
| 49.50       | -120.21     | 0.00057 | 42.43       | -127.28     | 0.00047 |
| 35.36       | -134.35     | 0.00039 | 28.28       | -141.42     | 0.00033 |
| 21.21       | -148.49     | 0.00028 | 14.14       | -155.56     | 0.00024 |
| 162.63      | -21.21      | 0.00011 | 155.56      | -28.28      | 0.00013 |
| 148.49      | -35.36      | 0.00015 | 141.42      | -42.43      | 0.00019 |
| 134.35      | -49.50      | 0.00023 | 127.28      | -56.57      | 0.00030 |
| 120.21      | -63.64      | 0.00041 | 113.14      | -70.71      | 0.00058 |
| 109.60      | -74.25      | 0.00071 | 106.07      | -77.78      | 0.00087 |
| 103.94      | -79.90      | 0.00100 | 102.53      | -81.32      | 0.00109 |
| 101.12      | -82.73      | 0.00120 | 99.70       | -84.15      | 0.00134 |
| 98.29       | -85.56      | 0.00148 | 85.56       | -98.29      | 0.00165 |
| 84.15       | -99.70      | 0.00154 | 82.73       | -101.12     | 0.00144 |
| 81.32       | -102.53     | 0.00135 | 79.90       | -103.94     | 0.00128 |
| 77.78       | -106.07     | 0.00118 | 74.25       | -109.60     | 0.00104 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 70.71  | -113.14 | 0.00093 | 63.64  | -120.21 | 0.00074 |
| 56.57  | -127.28 | 0.00060 | 49.50  | -134.35 | 0.00049 |
| 42.43  | -141.42 | 0.00040 | 35.36  | -148.49 | 0.00034 |
| 28.28  | -155.56 | 0.00029 | 21.21  | -162.63 | 0.00025 |
| 169.71 | -28.28  | 0.00012 | 162.63 | -35.36  | 0.00014 |
| 155.56 | -42.43  | 0.00016 | 148.49 | -49.50  | 0.00020 |
| 141.42 | -56.57  | 0.00025 | 134.35 | -63.64  | 0.00033 |
| 127.28 | -70.71  | 0.00045 | 120.21 | -77.78  | 0.00064 |
| 116.67 | -81.32  | 0.00078 | 113.14 | -84.85  | 0.00097 |
| 111.02 | -86.97  | 0.00112 | 109.60 | -88.39  | 0.00123 |
| 108.19 | -89.80  | 0.00137 | 106.77 | -91.22  | 0.00154 |
| 105.36 | -92.63  | 0.00177 | 92.63  | -105.36 | 0.00190 |
| 91.22  | -106.77 | 0.00172 | 89.80  | -108.19 | 0.00159 |
| 88.39  | -109.60 | 0.00148 | 86.97  | -111.02 | 0.00139 |
| 84.85  | -113.14 | 0.00127 | 81.32  | -116.67 | 0.00111 |
| 77.78  | -120.21 | 0.00098 | 70.71  | -127.28 | 0.00078 |
| 63.64  | -134.35 | 0.00062 | 56.57  | -141.42 | 0.00050 |
| 49.50  | -148.49 | 0.00041 | 42.43  | -155.56 | 0.00035 |
| 35.36  | -162.63 | 0.00030 | 28.28  | -169.71 | 0.00026 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S1  
 INCLUDING SOURCE(S): NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 176.78      | -35.36      | 0.00013 | 169.71      | -42.43      | 0.00015 |
| 162.63      | -49.50      | 0.00018 | 155.56      | -56.57      | 0.00022 |
| 148.49      | -63.64      | 0.00028 | 141.42      | -70.71      | 0.00036 |
| 134.35      | -77.78      | 0.00050 | 127.28      | -84.85      | 0.00074 |
| 123.74      | -88.39      | 0.00094 | 120.21      | -91.92      | 0.00124 |
| 118.09      | -94.05      | 0.00150 | 116.67      | -95.46      | 0.00173 |
| 115.26      | -96.87      | 0.00202 | 113.84      | -98.29      | 0.00241 |
| 112.43      | -99.70      | 0.00295 | 99.70       | -112.43     | 0.00255 |
| 98.29       | -113.84     | 0.00219 | 96.87       | -115.26     | 0.00194 |
| 95.46       | -116.67     | 0.00175 | 94.05       | -118.09     | 0.00161 |
| 91.92       | -120.21     | 0.00144 | 88.39       | -123.74     | 0.00123 |
| 84.85       | -127.28     | 0.00107 | 77.78       | -134.35     | 0.00083 |
| 70.71       | -141.42     | 0.00065 | 63.64       | -148.49     | 0.00053 |
| 56.57       | -155.56     | 0.00043 | 49.50       | -162.63     | 0.00036 |
| 42.43       | -169.71     | 0.00031 | 35.36       | -176.78     | 0.00026 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 183.85 | -42.43  | 0.00014 | 176.78 | -49.50  | 0.00016 |
| 169.71 | -56.57  | 0.00020 | 162.63 | -63.64  | 0.00024 |
| 155.56 | -70.71  | 0.00031 | 148.49 | -77.78  | 0.00041 |
| 141.42 | -84.85  | 0.00059 | 134.35 | -91.92  | 0.00095 |
| 130.81 | -95.46  | 0.00126 | 127.28 | -98.99  | 0.00177 |
| 125.16 | -101.12 | 0.00221 | 123.74 | -102.53 | 0.00258 |
| 122.33 | -103.94 | 0.00304 | 120.92 | -105.36 | 0.00360 |
| 119.50 | -106.77 | 0.00431 | 106.77 | -119.50 | 0.00337 |
| 105.36 | -120.92 | 0.00287 | 103.94 | -122.33 | 0.00250 |
| 102.53 | -123.74 | 0.00222 | 101.12 | -125.16 | 0.00199 |
| 98.99  | -127.28 | 0.00173 | 95.46  | -130.81 | 0.00142 |
| 91.92  | -134.35 | 0.00120 | 84.85  | -141.42 | 0.00090 |
| 77.78  | -148.49 | 0.00070 | 70.71  | -155.56 | 0.00056 |
| 63.64  | -162.63 | 0.00046 | 56.57  | -169.71 | 0.00039 |
| 49.50  | -176.78 | 0.00032 | 42.43  | -183.85 | 0.00028 |
| 190.92 | -49.50  | 0.00015 | 183.85 | -56.57  | 0.00018 |
| 176.78 | -63.64  | 0.00022 | 169.71 | -70.71  | 0.00027 |
| 162.63 | -77.78  | 0.00036 | 155.56 | -84.85  | 0.00050 |
| 148.49 | -91.92  | 0.00075 | 141.42 | -98.99  | 0.00125 |
| 137.89 | -102.53 | 0.00171 | 134.35 | -106.07 | 0.00239 |
| 132.23 | -108.19 | 0.00296 | 130.81 | -109.60 | 0.00343 |
| 129.40 | -111.02 | 0.00398 | 127.99 | -112.43 | 0.00463 |
| 126.57 | -113.84 | 0.00542 | 113.84 | -126.57 | 0.00412 |
| 112.43 | -127.99 | 0.00353 | 111.02 | -129.40 | 0.00308 |
| 109.60 | -130.81 | 0.00273 | 108.19 | -132.23 | 0.00244 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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CONC      URBAN FLAT      FLGPOL DFAULT

\*\*\*      \*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION      VALUES FOR SOURCE GROUP: NCRA\_S1  
 INCLUDING SOURCE(S):      NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER      IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 106.07      | -134.35     | 0.00210 | 102.53      | -137.89     | 0.00167 |
| 98.99       | -141.42     | 0.00137 | 91.92       | -148.49     | 0.00099 |
| 84.85       | -155.56     | 0.00076 | 77.78       | -162.63     | 0.00061 |
| 70.71       | -169.71     | 0.00049 | 63.64       | -176.78     | 0.00041 |
| 56.57       | -183.85     | 0.00034 | 49.50       | -190.92     | 0.00029 |
| 197.99      | -56.57      | 0.00016 | 190.92      | -63.64      | 0.00020 |
| 183.85      | -70.71      | 0.00025 | 176.78      | -77.78      | 0.00032 |
| 169.71      | -84.85      | 0.00043 | 162.63      | -91.92      | 0.00061 |
| 155.56      | -98.99      | 0.00095 | 148.49      | -106.07     | 0.00161 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 144.96 | -109.60 | 0.00217 | 141.42 | -113.14 | 0.00297 |
| 139.30 | -115.26 | 0.00361 | 137.89 | -116.67 | 0.00412 |
| 136.47 | -118.09 | 0.00472 | 135.06 | -119.50 | 0.00543 |
| 133.64 | -120.92 | 0.00627 | 120.92 | -133.64 | 0.00473 |
| 119.50 | -135.06 | 0.00408 | 118.09 | -136.47 | 0.00358 |
| 116.67 | -137.89 | 0.00317 | 115.26 | -139.30 | 0.00284 |
| 113.14 | -141.42 | 0.00244 | 109.60 | -144.96 | 0.00194 |
| 106.07 | -148.49 | 0.00157 | 98.99  | -155.56 | 0.00111 |
| 91.92  | -162.63 | 0.00083 | 84.85  | -169.71 | 0.00065 |
| 77.78  | -176.78 | 0.00053 | 70.71  | -183.85 | 0.00043 |
| 63.64  | -190.92 | 0.00036 | 56.57  | -197.99 | 0.00030 |
| 205.06 | -63.64  | 0.00018 | 197.99 | -70.71  | 0.00022 |
| 190.92 | -77.78  | 0.00028 | 183.85 | -84.85  | 0.00038 |
| 176.78 | -91.92  | 0.00052 | 169.71 | -98.99  | 0.00076 |
| 162.63 | -106.07 | 0.00118 | 155.56 | -113.14 | 0.00196 |
| 152.03 | -116.67 | 0.00258 | 148.49 | -120.21 | 0.00345 |
| 146.37 | -122.33 | 0.00412 | 144.96 | -123.74 | 0.00466 |
| 143.54 | -125.16 | 0.00529 | 142.13 | -126.57 | 0.00601 |
| 140.71 | -127.99 | 0.00687 | 127.99 | -140.71 | 0.00519 |
| 126.57 | -142.13 | 0.00450 | 125.16 | -143.54 | 0.00397 |
| 123.74 | -144.96 | 0.00353 | 122.33 | -146.37 | 0.00316 |
| 120.21 | -148.49 | 0.00272 | 116.67 | -152.03 | 0.00216 |
| 113.14 | -155.56 | 0.00177 | 106.07 | -162.63 | 0.00124 |
| 98.99  | -169.71 | 0.00092 | 91.92  | -176.78 | 0.00071 |
| 84.85  | -183.85 | 0.00056 | 77.78  | -190.92 | 0.00046 |
| 70.71  | -197.99 | 0.00038 | 63.64  | -205.06 | 0.00032 |
| 212.13 | -70.71  | 0.00020 | 205.06 | -77.78  | 0.00025 |
| 197.99 | -84.85  | 0.00033 | 190.92 | -91.92  | 0.00044 |
| 183.85 | -98.99  | 0.00062 | 176.78 | -106.07 | 0.00091 |
| 169.71 | -113.14 | 0.00142 | 162.63 | -120.21 | 0.00228 |
| 159.10 | -123.74 | 0.00294 | 155.56 | -127.28 | 0.00384 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
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CONC      URBAN FLAT      FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION      VALUES FOR SOURCE GROUP: NCRA\_S1  
 \*\*\* INCLUDING SOURCE(S):      NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER      IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 153.44      | -129.40     | 0.00453 | 152.03      | -130.81     | 0.00508 |
| 150.61      | -132.23     | 0.00570 | 149.20      | -133.64     | 0.00642 |
| 147.79      | -135.06     | 0.00727 | 135.06      | -147.79     | 0.00548 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 133.64 | -149.20 | 0.00478 | 132.23 | -150.61 | 0.00423 |
| 130.81 | -152.03 | 0.00377 | 129.40 | -153.44 | 0.00339 |
| 127.28 | -155.56 | 0.00293 | 123.74 | -159.10 | 0.00236 |
| 120.21 | -162.63 | 0.00195 | 113.14 | -169.71 | 0.00138 |
| 106.07 | -176.78 | 0.00101 | 98.99  | -183.85 | 0.00077 |
| 91.92  | -190.92 | 0.00060 | 84.85  | -197.99 | 0.00049 |
| 77.78  | -205.06 | 0.00040 | 70.71  | -212.13 | 0.00034 |
| 219.20 | -77.78  | 0.00023 | 212.13 | -84.85  | 0.00029 |
| 205.06 | -91.92  | 0.00038 | 197.99 | -98.99  | 0.00052 |
| 190.92 | -106.07 | 0.00073 | 183.85 | -113.14 | 0.00107 |
| 176.78 | -120.21 | 0.00163 | 169.71 | -127.28 | 0.00256 |
| 166.17 | -130.81 | 0.00325 | 162.63 | -134.35 | 0.00417 |
| 160.51 | -136.47 | 0.00486 | 159.10 | -137.89 | 0.00540 |
| 157.68 | -139.30 | 0.00601 | 156.27 | -140.71 | 0.00670 |
| 154.86 | -142.13 | 0.00752 | 142.13 | -154.86 | 0.00563 |
| 140.71 | -156.27 | 0.00493 | 139.30 | -157.68 | 0.00439 |
| 137.89 | -159.10 | 0.00394 | 136.47 | -160.51 | 0.00357 |
| 134.35 | -162.63 | 0.00311 | 130.81 | -166.17 | 0.00253 |
| 127.28 | -169.71 | 0.00210 | 120.21 | -176.78 | 0.00150 |
| 113.14 | -183.85 | 0.00111 | 106.07 | -190.92 | 0.00084 |
| 98.99  | -197.99 | 0.00065 | 91.92  | -205.06 | 0.00052 |
| 84.85  | -212.13 | 0.00043 | 77.78  | -219.20 | 0.00036 |
| 226.27 | -84.85  | 0.00026 | 219.20 | -91.92  | 0.00033 |
| 212.13 | -98.99  | 0.00044 | 205.06 | -106.07 | 0.00059 |
| 197.99 | -113.14 | 0.00084 | 190.92 | -120.21 | 0.00122 |
| 183.85 | -127.28 | 0.00182 | 176.78 | -134.35 | 0.00279 |
| 173.24 | -137.89 | 0.00351 | 169.71 | -141.42 | 0.00444 |
| 167.58 | -143.54 | 0.00513 | 166.17 | -144.96 | 0.00567 |
| 164.76 | -146.37 | 0.00626 | 163.34 | -147.79 | 0.00694 |
| 161.93 | -149.20 | 0.00770 | 149.20 | -161.93 | 0.00570 |
| 147.79 | -163.34 | 0.00504 | 146.37 | -164.76 | 0.00452 |
| 144.96 | -166.17 | 0.00409 | 143.54 | -167.58 | 0.00373 |
| 141.42 | -169.71 | 0.00327 | 137.89 | -173.24 | 0.00268 |
| 134.35 | -176.78 | 0.00224 | 127.28 | -183.85 | 0.00161 |
| 120.21 | -190.92 | 0.00120 | 113.14 | -197.99 | 0.00091 |
| 106.07 | -205.06 | 0.00070 | 98.99  | -212.13 | 0.00056 |
| 91.92  | -219.20 | 0.00045 | 84.85  | -226.27 | 0.00038 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S1  
 INCLUDING SOURCE(S): NCRA\_S1 ,



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW\_Bound  
 \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

|             |             | ** CONC OF OTHER |             | IN MICROGRAMS/M**3 |         |  |  |
|-------------|-------------|------------------|-------------|--------------------|---------|--|--|
| X-COORD (M) | Y-COORD (M) | CONC             | X-COORD (M) | Y-COORD (M)        | CONC    |  |  |
| 233.35      | -91.92      | 0.00029          | 226.27      | -98.99             | 0.00037 |  |  |
| 219.20      | -106.07     | 0.00049          | 212.13      | -113.14            | 0.00067 |  |  |
| 205.06      | -120.21     | 0.00094          | 197.99      | -127.28            | 0.00135 |  |  |
| 190.92      | -134.35     | 0.00197          | 183.85      | -141.42            | 0.00296 |  |  |
| 180.31      | -144.96     | 0.00368          | 176.78      | -148.49            | 0.00460 |  |  |
| 174.66      | -150.61     | 0.00529          | 173.24      | -152.03            | 0.00581 |  |  |
| 171.83      | -153.44     | 0.00638          | 170.41      | -154.86            | 0.00702 |  |  |
| 169.00      | -156.27     | 0.00772          | 156.27      | -169.00            | 0.00570 |  |  |
| 154.86      | -170.41     | 0.00511          | 153.44      | -171.83            | 0.00461 |  |  |
| 152.03      | -173.24     | 0.00419          | 150.61      | -174.66            | 0.00384 |  |  |
| 148.49      | -176.78     | 0.00339          | 144.96      | -180.31            | 0.00280 |  |  |
| 141.42      | -183.85     | 0.00234          | 134.35      | -190.92            | 0.00170 |  |  |
| 127.28      | -197.99     | 0.00127          | 120.21      | -205.06            | 0.00097 |  |  |
| 113.14      | -212.13     | 0.00075          | 106.07      | -219.20            | 0.00060 |  |  |
| 98.99       | -226.27     | 0.00048          | 91.92       | -233.35            | 0.00040 |  |  |
| 240.42      | -98.99      | 0.00032          | 233.35      | -106.07            | 0.00041 |  |  |
| 226.27      | -113.14     | 0.00055          | 219.20      | -120.21            | 0.00075 |  |  |
| 212.13      | -127.28     | 0.00103          | 205.06      | -134.35            | 0.00145 |  |  |
| 197.99      | -141.42     | 0.00208          | 190.92      | -148.49            | 0.00305 |  |  |
| 187.38      | -152.03     | 0.00373          | 183.85      | -155.56            | 0.00456 |  |  |
| 181.73      | -157.68     | 0.00513          | 180.31      | -159.10            | 0.00554 |  |  |
| 178.90      | -160.51     | 0.00595          | 177.48      | -161.93            | 0.00637 |  |  |
| 176.07      | -163.34     | 0.00675          | 163.34      | -176.07            | 0.00520 |  |  |
| 161.93      | -177.48     | 0.00481          | 160.51      | -178.90            | 0.00444 |  |  |
| 159.10      | -180.31     | 0.00410          | 157.68      | -181.73            | 0.00379 |  |  |
| 155.56      | -183.85     | 0.00338          | 152.03      | -187.38            | 0.00283 |  |  |
| 148.49      | -190.92     | 0.00238          | 141.42      | -197.99            | 0.00175 |  |  |
| 134.35      | -205.06     | 0.00132          | 127.28      | -212.13            | 0.00102 |  |  |
| 120.21      | -219.20     | 0.00079          | 113.14      | -226.27            | 0.00063 |  |  |
| 106.07      | -233.35     | 0.00051          | 98.99       | -240.42            | 0.00042 |  |  |
| 247.49      | -106.07     | 0.00035          | 240.42      | -113.14            | 0.00046 |  |  |
| 233.35      | -120.21     | 0.00060          | 226.27      | -127.28            | 0.00081 |  |  |
| 219.20      | -134.35     | 0.00111          | 212.13      | -141.42            | 0.00153 |  |  |
| 205.06      | -148.49     | 0.00213          | 197.99      | -155.56            | 0.00300 |  |  |
| 194.45      | -159.10     | 0.00356          | 190.92      | -162.63            | 0.00419 |  |  |
| 188.80      | -164.76     | 0.00459          | 187.38      | -166.17            | 0.00485 |  |  |
| 185.97      | -167.58     | 0.00510          | 184.55      | -169.00            | 0.00534 |  |  |
| 183.14      | -170.41     | 0.00553          | 170.41      | -183.14            | 0.00452 |  |  |
| 169.00      | -184.55     | 0.00425          | 167.58      | -185.97            | 0.00400 |  |  |
| 166.17      | -187.38     | 0.00375          | 164.76      | -188.80            | 0.00352 |  |  |

04/20/08

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

15:49:41

\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S1

INCLUDING SOURCE(S): NCRA\_S1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 162.63      | -190.92     | 0.00321 | 159.10      | -194.45     | 0.00275 |
| 155.56      | -197.99     | 0.00236 | 148.49      | -205.06     | 0.00176 |
| 141.42      | -212.13     | 0.00134 | 134.35      | -219.20     | 0.00104 |
| 127.28      | -226.27     | 0.00082 | 120.21      | -233.35     | 0.00065 |
| 113.14      | -240.42     | 0.00053 | 106.07      | -247.49     | 0.00043 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2

INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -106.07     | 247.49      | 0.00004 | -113.14     | 240.42      | 0.00004 |
| -120.21     | 233.35      | 0.00005 | -127.28     | 226.27      | 0.00005 |
| -134.35     | 219.20      | 0.00005 | -141.42     | 212.13      | 0.00005 |
| -148.49     | 205.06      | 0.00006 | -155.56     | 197.99      | 0.00006 |
| -159.10     | 194.45      | 0.00006 | -162.63     | 190.92      | 0.00006 |
| -164.76     | 188.80      | 0.00006 | -166.17     | 187.38      | 0.00006 |
| -167.58     | 185.97      | 0.00006 | -169.00     | 184.55      | 0.00006 |
| -170.41     | 183.14      | 0.00006 | -183.14     | 170.41      | 0.00007 |
| -184.55     | 169.00      | 0.00007 | -185.97     | 167.58      | 0.00007 |
| -187.38     | 166.17      | 0.00007 | -188.80     | 164.76      | 0.00007 |
| -190.92     | 162.63      | 0.00007 | -194.45     | 159.10      | 0.00007 |
| -197.99     | 155.56      | 0.00007 | -205.06     | 148.49      | 0.00006 |
| -212.13     | 141.42      | 0.00006 | -219.20     | 134.35      | 0.00006 |
| -226.27     | 127.28      | 0.00006 | -233.35     | 120.21      | 0.00006 |
| -240.42     | 113.14      | 0.00005 | -247.49     | 106.07      | 0.00005 |
| -98.99      | 240.42      | 0.00004 | -106.07     | 233.35      | 0.00005 |
| -113.14     | 226.27      | 0.00005 | -120.21     | 219.20      | 0.00005 |
| -127.28     | 212.13      | 0.00005 | -134.35     | 205.06      | 0.00006 |
| -141.42     | 197.99      | 0.00006 | -148.49     | 190.92      | 0.00006 |
| -152.03     | 187.38      | 0.00006 | -155.56     | 183.85      | 0.00006 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -157.68 | 181.73 | 0.00007 | -159.10 | 180.31 | 0.00007 |
| -160.51 | 178.90 | 0.00007 | -161.93 | 177.48 | 0.00007 |
| -163.34 | 176.07 | 0.00007 | -176.07 | 163.34 | 0.00007 |
| -177.48 | 161.93 | 0.00007 | -178.90 | 160.51 | 0.00007 |
| -180.31 | 159.10 | 0.00007 | -181.73 | 157.68 | 0.00007 |
| -183.85 | 155.56 | 0.00007 | -187.38 | 152.03 | 0.00007 |
| -190.92 | 148.49 | 0.00007 | -197.99 | 141.42 | 0.00007 |
| -205.06 | 134.35 | 0.00007 | -212.13 | 127.28 | 0.00006 |
| -219.20 | 120.21 | 0.00006 | -226.27 | 113.14 | 0.00006 |
| -233.35 | 106.07 | 0.00006 | -240.42 | 98.99  | 0.00006 |
| -91.92  | 233.35 | 0.00004 | -98.99  | 226.27 | 0.00005 |
| -106.07 | 219.20 | 0.00005 | -113.14 | 212.13 | 0.00005 |
| -120.21 | 205.06 | 0.00006 | -127.28 | 197.99 | 0.00006 |
| -134.35 | 190.92 | 0.00006 | -141.42 | 183.85 | 0.00007 |
| -144.96 | 180.31 | 0.00007 | -148.49 | 176.78 | 0.00007 |
| -150.61 | 174.66 | 0.00007 | -152.03 | 173.24 | 0.00007 |
| -153.44 | 171.83 | 0.00007 | -154.86 | 170.41 | 0.00007 |
| -156.27 | 169.00 | 0.00007 | -169.00 | 156.27 | 0.00007 |
| -170.41 | 154.86 | 0.00007 | -171.83 | 153.44 | 0.00007 |
| -173.24 | 152.03 | 0.00007 | -174.66 | 150.61 | 0.00007 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41  
 \*\*MODELOPTS:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2

INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -176.78     | 148.49      | 0.00007 | -180.31     | 144.96      | 0.00007 |
| -183.85     | 141.42      | 0.00007 | -190.92     | 134.35      | 0.00007 |
| -197.99     | 127.28      | 0.00007 | -205.06     | 120.21      | 0.00007 |
| -212.13     | 113.14      | 0.00006 | -219.20     | 106.07      | 0.00006 |
| -226.27     | 99.00       | 0.00006 | -233.35     | 91.92       | 0.00006 |
| -84.85      | 226.27      | 0.00005 | -91.92      | 219.20      | 0.00005 |
| -98.99      | 212.13      | 0.00005 | -106.07     | 205.06      | 0.00006 |
| -113.14     | 197.99      | 0.00006 | -120.21     | 190.92      | 0.00006 |
| -127.28     | 183.85      | 0.00007 | -134.35     | 176.78      | 0.00007 |
| -137.89     | 173.24      | 0.00007 | -141.42     | 169.71      | 0.00007 |
| -143.54     | 167.58      | 0.00007 | -144.96     | 166.17      | 0.00007 |
| -146.37     | 164.76      | 0.00007 | -147.79     | 163.34      | 0.00008 |
| -149.20     | 161.93      | 0.00008 | -161.93     | 149.20      | 0.00008 |
| -163.34     | 147.79      | 0.00008 | -164.76     | 146.37      | 0.00008 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -166.17 | 144.96 | 0.00008 | -167.58 | 143.54 | 0.00008 |
| -169.71 | 141.42 | 0.00008 | -173.24 | 137.89 | 0.00008 |
| -176.78 | 134.35 | 0.00008 | -183.85 | 127.28 | 0.00007 |
| -190.92 | 120.21 | 0.00007 | -197.99 | 113.14 | 0.00007 |
| -205.06 | 106.07 | 0.00007 | -212.13 | 99.00  | 0.00007 |
| -219.20 | 91.92  | 0.00006 | -226.27 | 84.85  | 0.00006 |
| -77.78  | 219.20 | 0.00005 | -84.85  | 212.13 | 0.00005 |
| -91.92  | 205.06 | 0.00006 | -98.99  | 197.99 | 0.00006 |
| -106.07 | 190.92 | 0.00006 | -113.14 | 183.85 | 0.00007 |
| -120.21 | 176.78 | 0.00007 | -127.28 | 169.71 | 0.00007 |
| -130.81 | 166.17 | 0.00008 | -134.35 | 162.63 | 0.00008 |
| -136.47 | 160.51 | 0.00008 | -137.89 | 159.10 | 0.00008 |
| -139.30 | 157.68 | 0.00008 | -140.71 | 156.27 | 0.00008 |
| -142.13 | 154.86 | 0.00008 | -154.86 | 142.13 | 0.00008 |
| -156.27 | 140.71 | 0.00008 | -157.68 | 139.30 | 0.00008 |
| -159.10 | 137.89 | 0.00008 | -160.51 | 136.47 | 0.00008 |
| -162.63 | 134.35 | 0.00008 | -166.17 | 130.81 | 0.00008 |
| -169.71 | 127.28 | 0.00008 | -176.78 | 120.21 | 0.00008 |
| -183.85 | 113.14 | 0.00008 | -190.92 | 106.07 | 0.00007 |
| -197.99 | 99.00  | 0.00007 | -205.06 | 91.92  | 0.00007 |
| -212.13 | 84.85  | 0.00007 | -219.20 | 77.78  | 0.00007 |
| -70.71  | 212.13 | 0.00005 | -77.78  | 205.06 | 0.00005 |
| -84.85  | 197.99 | 0.00006 | -91.92  | 190.92 | 0.00006 |
| -98.99  | 183.85 | 0.00006 | -106.07 | 176.78 | 0.00007 |
| -113.14 | 169.71 | 0.00007 | -120.21 | 162.63 | 0.00008 |
| -123.74 | 159.10 | 0.00008 | -127.28 | 155.56 | 0.00008 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTS:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2

\*\*\*

INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40     | 153.44      | 0.00008 | -130.81     | 152.03      | 0.00008 |
| -132.23     | 150.61      | 0.00008 | -133.64     | 149.20      | 0.00009 |
| -135.06     | 147.79      | 0.00009 | -147.79     | 135.06      | 0.00009 |
| -149.20     | 133.64      | 0.00009 | -150.61     | 132.23      | 0.00009 |
| -152.03     | 130.81      | 0.00009 | -153.44     | 129.40      | 0.00009 |
| -155.56     | 127.28      | 0.00009 | -159.10     | 123.74      | 0.00009 |
| -162.63     | 120.21      | 0.00009 | -169.71     | 113.14      | 0.00008 |
| -176.78     | 106.07      | 0.00008 | -183.85     | 98.99       | 0.00008 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -190.92 | 91.92  | 0.00008 | -197.99 | 84.85  | 0.00007 |
| -205.06 | 77.78  | 0.00007 | -212.13 | 70.71  | 0.00007 |
| -63.64  | 205.06 | 0.00005 | -70.71  | 197.99 | 0.00006 |
| -77.78  | 190.92 | 0.00006 | -84.85  | 183.85 | 0.00006 |
| -91.92  | 176.78 | 0.00007 | -98.99  | 169.71 | 0.00007 |
| -106.07 | 162.63 | 0.00008 | -113.14 | 155.56 | 0.00008 |
| -116.67 | 152.03 | 0.00008 | -120.21 | 148.49 | 0.00009 |
| -122.33 | 146.37 | 0.00009 | -123.74 | 144.96 | 0.00009 |
| -125.16 | 143.54 | 0.00009 | -126.57 | 142.13 | 0.00009 |
| -127.99 | 140.71 | 0.00009 | -140.71 | 127.99 | 0.00010 |
| -142.13 | 126.57 | 0.00010 | -143.54 | 125.16 | 0.00010 |
| -144.96 | 123.74 | 0.00010 | -146.37 | 122.33 | 0.00010 |
| -148.49 | 120.21 | 0.00009 | -152.03 | 116.67 | 0.00009 |
| -155.56 | 113.14 | 0.00009 | -162.63 | 106.07 | 0.00009 |
| -169.71 | 98.99  | 0.00009 | -176.78 | 91.92  | 0.00008 |
| -183.85 | 84.85  | 0.00008 | -190.92 | 77.78  | 0.00008 |
| -197.99 | 70.71  | 0.00008 | -205.06 | 63.64  | 0.00008 |
| -56.57  | 197.99 | 0.00006 | -63.64  | 190.92 | 0.00006 |
| -70.71  | 183.85 | 0.00006 | -77.78  | 176.78 | 0.00007 |
| -84.85  | 169.71 | 0.00007 | -91.92  | 162.63 | 0.00008 |
| -98.99  | 155.56 | 0.00008 | -106.07 | 148.49 | 0.00009 |
| -109.60 | 144.96 | 0.00009 | -113.14 | 141.42 | 0.00009 |
| -115.26 | 139.30 | 0.00009 | -116.67 | 137.89 | 0.00010 |
| -118.09 | 136.47 | 0.00010 | -119.50 | 135.06 | 0.00010 |
| -120.92 | 133.64 | 0.00010 | -133.64 | 120.92 | 0.00010 |
| -135.06 | 119.50 | 0.00010 | -136.47 | 118.09 | 0.00010 |
| -137.89 | 116.67 | 0.00010 | -139.30 | 115.26 | 0.00010 |
| -141.42 | 113.14 | 0.00010 | -144.96 | 109.60 | 0.00010 |
| -148.49 | 106.07 | 0.00010 | -155.56 | 98.99  | 0.00010 |
| -162.63 | 91.92  | 0.00009 | -169.71 | 84.85  | 0.00009 |
| -176.78 | 77.78  | 0.00008 | -183.85 | 70.71  | 0.00008 |
| -190.92 | 63.64  | 0.00008 | -197.99 | 56.57  | 0.00008 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTS:  
 PAGE 46  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -49.50      | 190.92      | 0.00006 | -56.57      | 183.85      | 0.00006 |
| -63.64      | 176.78      | 0.00007 | -70.71      | 169.71      | 0.00007 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -77.78  | 162.63 | 0.00008 | -84.85  | 155.56 | 0.00008 |
| -91.92  | 148.49 | 0.00009 | -98.99  | 141.42 | 0.00009 |
| -102.53 | 137.89 | 0.00010 | -106.07 | 134.35 | 0.00010 |
| -108.19 | 132.23 | 0.00010 | -109.60 | 130.81 | 0.00010 |
| -111.02 | 129.40 | 0.00010 | -112.43 | 127.99 | 0.00010 |
| -113.84 | 126.57 | 0.00011 | -126.57 | 113.84 | 0.00011 |
| -127.99 | 112.43 | 0.00011 | -129.40 | 111.02 | 0.00011 |
| -130.81 | 109.60 | 0.00011 | -132.23 | 108.19 | 0.00011 |
| -134.35 | 106.07 | 0.00011 | -137.89 | 102.53 | 0.00011 |
| -141.42 | 98.99  | 0.00011 | -148.49 | 91.92  | 0.00010 |
| -155.56 | 84.85  | 0.00010 | -162.63 | 77.78  | 0.00009 |
| -169.71 | 70.71  | 0.00009 | -176.78 | 63.64  | 0.00009 |
| -183.85 | 56.57  | 0.00009 | -190.92 | 49.50  | 0.00009 |
| -42.43  | 183.85 | 0.00006 | -49.50  | 176.78 | 0.00007 |
| -56.57  | 169.71 | 0.00007 | -63.64  | 162.63 | 0.00008 |
| -70.71  | 155.56 | 0.00008 | -77.78  | 148.49 | 0.00009 |
| -84.85  | 141.42 | 0.00009 | -91.92  | 134.35 | 0.00010 |
| -95.46  | 130.81 | 0.00010 | -98.99  | 127.28 | 0.00011 |
| -101.12 | 125.16 | 0.00011 | -102.53 | 123.74 | 0.00011 |
| -103.94 | 122.33 | 0.00011 | -105.36 | 120.92 | 0.00011 |
| -106.77 | 119.50 | 0.00011 | -119.50 | 106.77 | 0.00012 |
| -120.92 | 105.36 | 0.00012 | -122.33 | 103.94 | 0.00012 |
| -123.74 | 102.53 | 0.00012 | -125.16 | 101.12 | 0.00012 |
| -127.28 | 98.99  | 0.00012 | -130.81 | 95.46  | 0.00012 |
| -134.35 | 91.92  | 0.00011 | -141.42 | 84.85  | 0.00011 |
| -148.49 | 77.78  | 0.00010 | -155.56 | 70.71  | 0.00010 |
| -162.63 | 63.64  | 0.00010 | -169.71 | 56.57  | 0.00009 |
| -176.78 | 49.50  | 0.00009 | -183.85 | 42.43  | 0.00009 |
| -35.36  | 176.78 | 0.00006 | -42.43  | 169.71 | 0.00007 |
| -49.50  | 162.63 | 0.00007 | -56.57  | 155.56 | 0.00008 |
| -63.64  | 148.49 | 0.00009 | -70.71  | 141.42 | 0.00009 |
| -77.78  | 134.35 | 0.00010 | -84.85  | 127.28 | 0.00011 |
| -88.39  | 123.74 | 0.00011 | -91.92  | 120.21 | 0.00011 |
| -94.05  | 118.09 | 0.00012 | -95.46  | 116.67 | 0.00012 |
| -96.87  | 115.26 | 0.00012 | -98.29  | 113.84 | 0.00012 |
| -99.70  | 112.43 | 0.00012 | -112.43 | 99.70  | 0.00013 |
| -113.84 | 98.29  | 0.00013 | -115.26 | 96.87  | 0.00013 |
| -116.67 | 95.46  | 0.00013 | -118.09 | 94.05  | 0.00013 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
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\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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 \*\*MODELOPTS:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2

\*\*\*

20NCRA PL97-300 DPM\_TRAV ANN\_SE-NW Bound  
 INCLUDING SOURCE(S) : NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

| ** CONC OF OTHER |             |         | IN MICROGRAMS/M**3 |             |         | ** |
|------------------|-------------|---------|--------------------|-------------|---------|----|
| X-COORD (M)      | Y-COORD (M) | CONC    | X-COORD (M)        | Y-COORD (M) | CONC    |    |
| -120.21          | 91.92       | 0.00013 | -123.74            | 88.39       | 0.00012 |    |
| -127.28          | 84.85       | 0.00012 | -134.35            | 77.78       | 0.00012 |    |
| -141.42          | 70.71       | 0.00011 | -148.49            | 63.64       | 0.00011 |    |
| -155.56          | 56.57       | 0.00010 | -162.63            | 49.50       | 0.00010 |    |
| -169.71          | 42.43       | 0.00010 | -176.78            | 35.36       | 0.00010 |    |
| -28.28           | 169.71      | 0.00007 | -35.36             | 162.63      | 0.00007 |    |
| -42.43           | 155.56      | 0.00008 | -49.50             | 148.49      | 0.00009 |    |
| -56.57           | 141.42      | 0.00009 | -63.64             | 134.35      | 0.00010 |    |
| -70.71           | 127.28      | 0.00011 | -77.78             | 120.21      | 0.00012 |    |
| -81.32           | 116.67      | 0.00012 | -84.85             | 113.14      | 0.00012 |    |
| -86.97           | 111.02      | 0.00013 | -88.39             | 109.60      | 0.00013 |    |
| -89.80           | 108.19      | 0.00013 | -91.22             | 106.77      | 0.00013 |    |
| -92.63           | 105.36      | 0.00013 | -105.36            | 92.63       | 0.00014 |    |
| -106.77          | 91.22       | 0.00014 | -108.19            | 89.80       | 0.00014 |    |
| -109.60          | 88.39       | 0.00014 | -111.02            | 86.97       | 0.00014 |    |
| -113.14          | 84.85       | 0.00014 | -116.67            | 81.32       | 0.00013 |    |
| -120.21          | 77.78       | 0.00013 | -127.28            | 70.71       | 0.00013 |    |
| -134.35          | 63.64       | 0.00012 | -141.42            | 56.57       | 0.00011 |    |
| -148.49          | 49.50       | 0.00011 | -155.56            | 42.43       | 0.00011 |    |
| -162.63          | 35.36       | 0.00011 | -169.71            | 28.28       | 0.00011 |    |
| -21.21           | 162.63      | 0.00007 | -28.28             | 155.56      | 0.00008 |    |
| -35.36           | 148.49      | 0.00008 | -42.43             | 141.42      | 0.00009 |    |
| -49.50           | 134.35      | 0.00010 | -56.57             | 127.28      | 0.00011 |    |
| -63.64           | 120.21      | 0.00011 | -70.71             | 113.14      | 0.00012 |    |
| -74.25           | 109.60      | 0.00013 | -77.78             | 106.07      | 0.00013 |    |
| -79.90           | 103.94      | 0.00014 | -81.32             | 102.53      | 0.00014 |    |
| -82.73           | 101.12      | 0.00014 | -84.15             | 99.70       | 0.00014 |    |
| -85.56           | 98.29       | 0.00014 | -98.29             | 85.56       | 0.00015 |    |
| -99.70           | 84.15       | 0.00015 | -101.12            | 82.73       | 0.00015 |    |
| -102.53          | 81.32       | 0.00015 | -103.94            | 79.90       | 0.00015 |    |
| -106.07          | 77.78       | 0.00015 | -109.60            | 74.25       | 0.00014 |    |
| -113.14          | 70.71       | 0.00014 | -120.21            | 63.64       | 0.00013 |    |
| -127.28          | 56.57       | 0.00013 | -134.35            | 49.50       | 0.00012 |    |
| -141.42          | 42.43       | 0.00012 | -148.49            | 35.36       | 0.00012 |    |
| -155.56          | 28.28       | 0.00012 | -162.63            | 21.21       | 0.00011 |    |
| -14.14           | 155.56      | 0.00007 | -21.21             | 148.49      | 0.00008 |    |
| -28.28           | 141.42      | 0.00009 | -35.36             | 134.35      | 0.00010 |    |
| -42.43           | 127.28      | 0.00011 | -49.50             | 120.21      | 0.00011 |    |
| -56.57           | 113.14      | 0.00012 | -63.64             | 106.07      | 0.00013 |    |
| -67.18           | 102.53      | 0.00014 | -70.71             | 98.99       | 0.00015 |    |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
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\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

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\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2

\*\*\*

INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -72.83      | 96.87       | 0.00015 | -74.25      | 95.46       | 0.00015 |
| -75.66      | 94.05       | 0.00015 | -77.07      | 92.63       | 0.00015 |
| -78.49      | 91.22       | 0.00016 | -91.22      | 78.49       | 0.00016 |
| -92.63      | 77.07       | 0.00016 | -94.05      | 75.66       | 0.00016 |
| -95.46      | 74.25       | 0.00016 | -96.87      | 72.83       | 0.00016 |
| -98.99      | 70.71       | 0.00016 | -102.53     | 67.18       | 0.00016 |
| -106.07     | 63.64       | 0.00015 | -113.14     | 56.57       | 0.00015 |
| -120.21     | 49.50       | 0.00014 | -127.28     | 42.43       | 0.00013 |
| -134.35     | 35.36       | 0.00013 | -141.42     | 28.28       | 0.00013 |
| -148.49     | 21.21       | 0.00013 | -155.56     | 14.14       | 0.00012 |
| -7.07       | 148.49      | 0.00007 | -14.14      | 141.42      | 0.00008 |
| -21.21      | 134.35      | 0.00009 | -28.28      | 127.28      | 0.00010 |
| -35.36      | 120.21      | 0.00011 | -42.43      | 113.14      | 0.00012 |
| -49.50      | 106.07      | 0.00013 | -56.57      | 98.99       | 0.00015 |
| -60.10      | 95.46       | 0.00015 | -63.64      | 91.92       | 0.00016 |
| -65.76      | 89.80       | 0.00016 | -67.18      | 88.39       | 0.00016 |
| -68.59      | 86.97       | 0.00017 | -70.00      | 85.56       | 0.00017 |
| -71.42      | 84.15       | 0.00017 | -84.15      | 71.42       | 0.00018 |
| -85.56      | 70.00       | 0.00018 | -86.97      | 68.59       | 0.00018 |
| -88.39      | 67.18       | 0.00018 | -89.80      | 65.76       | 0.00018 |
| -91.92      | 63.64       | 0.00018 | -95.46      | 60.10       | 0.00017 |
| -98.99      | 56.57       | 0.00017 | -106.07     | 49.50       | 0.00016 |
| -113.14     | 42.43       | 0.00015 | -120.21     | 35.36       | 0.00015 |
| -127.28     | 28.28       | 0.00014 | -134.35     | 21.21       | 0.00014 |
| -141.42     | 14.14       | 0.00014 | -148.49     | 7.07        | 0.00013 |
| 0.00        | 141.42      | 0.00007 | -7.07       | 134.35      | 0.00008 |
| -14.14      | 127.28      | 0.00010 | -21.21      | 120.21      | 0.00011 |
| -28.28      | 113.14      | 0.00012 | -35.36      | 106.07      | 0.00013 |
| -42.43      | 98.99       | 0.00014 | -49.50      | 91.92       | 0.00016 |
| -53.03      | 88.39       | 0.00017 | -56.57      | 84.85       | 0.00017 |
| -58.69      | 82.73       | 0.00018 | -60.10      | 81.32       | 0.00018 |
| -61.52      | 79.90       | 0.00018 | -62.93      | 78.49       | 0.00019 |
| -64.35      | 77.07       | 0.00019 | -77.07      | 64.35       | 0.00020 |
| -78.49      | 62.93       | 0.00020 | -79.90      | 61.52       | 0.00020 |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |       |         |         |       |         |
|---------|-------|---------|---------|-------|---------|
| -81.32  | 60.10 | 0.00020 | -82.73  | 58.69 | 0.00020 |
| -84.85  | 56.57 | 0.00019 | -88.39  | 53.03 | 0.00019 |
| -91.92  | 49.50 | 0.00018 | -98.99  | 42.43 | 0.00017 |
| -106.07 | 35.36 | 0.00016 | -113.14 | 28.28 | 0.00016 |
| -120.21 | 21.21 | 0.00016 | -127.28 | 14.14 | 0.00015 |
| -134.35 | 7.07  | 0.00015 | -141.42 | 0.00  | 0.00014 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 7.07        | 134.35      | 0.00008 | 0.00        | 127.28      | 0.00009 |
| -7.07       | 120.21      | 0.00010 | -14.14      | 113.14      | 0.00011 |
| -21.21      | 106.07      | 0.00013 | -28.28      | 98.99       | 0.00014 |
| -35.36      | 91.92       | 0.00016 | -42.43      | 84.85       | 0.00017 |
| -45.96      | 81.32       | 0.00018 | -49.50      | 77.78       | 0.00019 |
| -51.62      | 75.66       | 0.00020 | -53.03      | 74.25       | 0.00020 |
| -54.45      | 72.83       | 0.00020 | -55.86      | 71.42       | 0.00021 |
| -57.28      | 70.00       | 0.00021 | -70.00      | 57.28       | 0.00022 |
| -71.42      | 55.86       | 0.00022 | -72.83      | 54.45       | 0.00022 |
| -74.25      | 53.03       | 0.00022 | -75.66      | 51.62       | 0.00022 |
| -77.78      | 49.50       | 0.00021 | -81.32      | 45.96       | 0.00021 |
| -84.85      | 42.43       | 0.00020 | -91.92      | 35.36       | 0.00019 |
| -98.99      | 28.28       | 0.00018 | -106.07     | 21.21       | 0.00018 |
| -113.14     | 14.14       | 0.00017 | -120.21     | 7.07        | 0.00017 |
| -127.28     | 0.00        | 0.00016 | -134.35     | -7.07       | 0.00015 |
| 14.14       | 127.28      | 0.00008 | 7.07        | 120.21      | 0.00009 |
| 0.00        | 113.14      | 0.00010 | -7.07       | 106.07      | 0.00012 |
| -14.14      | 98.99       | 0.00014 | -21.21      | 91.92       | 0.00015 |
| -28.28      | 84.85       | 0.00017 | -35.36      | 77.78       | 0.00019 |
| -38.89      | 74.25       | 0.00020 | -42.43      | 70.71       | 0.00021 |
| -44.55      | 68.59       | 0.00022 | -45.96      | 67.18       | 0.00022 |
| -47.38      | 65.76       | 0.00022 | -48.79      | 64.35       | 0.00023 |
| -50.20      | 62.93       | 0.00023 | -62.93      | 50.20       | 0.00025 |
| -64.35      | 48.79       | 0.00024 | -65.76      | 47.38       | 0.00024 |
| -67.18      | 45.96       | 0.00024 | -68.59      | 44.55       | 0.00024 |
| -70.71      | 42.43       | 0.00024 | -74.25      | 38.89       | 0.00023 |
| -77.78      | 35.36       | 0.00022 | -84.85      | 28.28       | 0.00021 |
| -91.92      | 21.21       | 0.00020 | -98.99      | 14.14       | 0.00019 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -106.07 | 7.07   | 0.00019 | -113.14 | 0.00   | 0.00018 |
| -120.21 | -7.07  | 0.00017 | -127.28 | -14.14 | 0.00015 |
| 21.21   | 120.21 | 0.00008 | 14.14   | 113.14 | 0.00009 |
| 7.07    | 106.07 | 0.00011 | 0.00    | 98.99  | 0.00013 |
| -7.07   | 91.92  | 0.00015 | -14.14  | 84.85  | 0.00017 |
| -21.21  | 77.78  | 0.00019 | -28.28  | 70.71  | 0.00021 |
| -31.82  | 67.18  | 0.00022 | -35.36  | 63.64  | 0.00023 |
| -37.48  | 61.52  | 0.00024 | -38.89  | 60.10  | 0.00025 |
| -40.31  | 58.69  | 0.00025 | -41.72  | 57.28  | 0.00025 |
| -43.13  | 55.86  | 0.00026 | -55.86  | 43.13  | 0.00028 |
| -57.28  | 41.72  | 0.00027 | -58.69  | 40.31  | 0.00027 |
| -60.10  | 38.89  | 0.00027 | -61.52  | 37.48  | 0.00027 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2

\*\*\*

INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -63.64      | 35.36       | 0.00026 | -67.18      | 31.82       | 0.00025 |
| -70.71      | 28.28       | 0.00024 | -77.78      | 21.21       | 0.00023 |
| -84.85      | 14.14       | 0.00022 | -91.92      | 7.07        | 0.00021 |
| -98.99      | 0.00        | 0.00021 | -106.07     | -7.07       | 0.00019 |
| -113.14     | -14.14      | 0.00018 | -120.21     | -21.21      | 0.00016 |
| 28.28       | 113.14      | 0.00008 | 21.21       | 106.07      | 0.00010 |
| 14.14       | 98.99       | 0.00011 | 7.07        | 91.92       | 0.00013 |
| 0.00        | 84.85       | 0.00016 | -7.07       | 77.78       | 0.00018 |
| -14.14      | 70.71       | 0.00021 | -21.21      | 63.64       | 0.00023 |
| -24.75      | 60.10       | 0.00025 | -28.28      | 56.57       | 0.00026 |
| -30.41      | 54.45       | 0.00027 | -31.82      | 53.03       | 0.00027 |
| -33.23      | 51.62       | 0.00028 | -34.65      | 50.20       | 0.00029 |
| -36.06      | 48.79       | 0.00029 | -48.79      | 36.06       | 0.00031 |
| -50.20      | 34.65       | 0.00031 | -51.62      | 33.23       | 0.00031 |
| -53.03      | 31.82       | 0.00030 | -54.45      | 30.41       | 0.00030 |
| -56.57      | 28.28       | 0.00029 | -60.10      | 24.75       | 0.00028 |
| -63.64      | 21.21       | 0.00027 | -70.71      | 14.14       | 0.00026 |
| -77.78      | 7.07        | 0.00025 | -84.85      | 0.00        | 0.00024 |
| -91.92      | -7.07       | 0.00023 | -98.99      | -14.14      | 0.00021 |
| -106.07     | -21.21      | 0.00019 | -113.14     | -28.28      | 0.00017 |
| 35.36       | 106.07      | 0.00008 | 28.28       | 98.99       | 0.00010 |
| 21.21       | 91.92       | 0.00012 | 14.14       | 84.85       | 0.00014 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |         |        |         |
|--------|--------|---------|---------|--------|---------|
| 7.07   | 77.78  | 0.00017 | 0.00    | 70.71  | 0.00020 |
| -7.07  | 63.64  | 0.00023 | -14.14  | 56.57  | 0.00026 |
| -17.68 | 53.03  | 0.00028 | -21.21  | 49.50  | 0.00029 |
| -23.33 | 47.38  | 0.00030 | -24.75  | 45.96  | 0.00031 |
| -26.16 | 44.55  | 0.00032 | -27.58  | 43.13  | 0.00032 |
| -28.99 | 41.72  | 0.00033 | -41.72  | 28.99  | 0.00035 |
| -43.13 | 27.58  | 0.00035 | -44.55  | 26.16  | 0.00035 |
| -45.96 | 24.75  | 0.00034 | -47.38  | 23.33  | 0.00034 |
| -49.50 | 21.21  | 0.00033 | -53.03  | 17.68  | 0.00032 |
| -56.57 | 14.14  | 0.00031 | -63.64  | 7.07   | 0.00029 |
| -70.71 | 0.00   | 0.00028 | -77.78  | -7.07  | 0.00026 |
| -84.85 | -14.14 | 0.00025 | -91.92  | -21.21 | 0.00022 |
| -98.99 | -28.28 | 0.00020 | -106.07 | -35.36 | 0.00018 |
| 42.43  | 98.99  | 0.00008 | 35.36   | 91.92  | 0.00010 |
| 28.28  | 84.85  | 0.00012 | 21.21   | 77.78  | 0.00014 |
| 14.14  | 70.71  | 0.00017 | 7.07    | 63.64  | 0.00021 |
| 0.00   | 56.57  | 0.00025 | -7.07   | 49.50  | 0.00029 |
| -10.61 | 45.96  | 0.00031 | -14.14  | 42.43  | 0.00033 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL    DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S2  
 \*\*\* INCLUDING SOURCE(S):            NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

| ** CONC OF OTHER            IN MICROGRAMS/M**3 |             |         | **          |             |         |
|--|-------------|---------|-------------|-------------|---------|
| X-COORD (M)                                    | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
| -16.26   | 40.31       | 0.00034 | -17.68      | 38.89       | 0.00035 |
| -19.09   | 37.48       | 0.00036 | -20.51      | 36.06       | 0.00037 |
| -21.92   | 34.65       | 0.00038 | -34.65      | 21.92       | 0.00041 |
| -36.06   | 20.51       | 0.00040 | -37.48      | 19.09       | 0.00040 |
| -38.89   | 17.68       | 0.00039 | -40.31      | 16.26       | 0.00038 |
| -42.43   | 14.14       | 0.00037 | -45.96      | 10.61       | 0.00036 |
| -49.50   | 7.07        | 0.00035 | -56.57      | 0.00        | 0.00033 |
| -63.64   | -7.07       | 0.00031 | -70.71      | -14.14      | 0.00029 |
| -77.78   | -21.21      | 0.00026 | -84.85      | -28.28      | 0.00024 |
| -91.92   | -35.36      | 0.00021 | -98.99      | -42.43      | 0.00018 |
| 49.50  | 91.92       | 0.00009 | 42.43       | 84.85       | 0.00010 |
| 35.36  | 77.78       | 0.00012 | 28.28       | 70.71       | 0.00015 |
| 21.21  | 63.64       | 0.00018 | 14.14       | 56.57       | 0.00022 |
| 7.07   | 49.50       | 0.00027 | 0.00        | 42.43       | 0.00032 |
| -3.54  | 38.89       | 0.00035 | -7.07       | 35.36       | 0.00038 |
| -9.19  | 33.23       | 0.00039 | -10.61      | 31.82       | 0.00040 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -12.02 | 30.41  | 0.00042 | -13.44 | 28.99  | 0.00043 |
| -14.85 | 27.58  | 0.00044 | -27.58 | 14.85  | 0.00047 |
| -28.99 | 13.44  | 0.00046 | -30.41 | 12.02  | 0.00046 |
| -31.82 | 10.61  | 0.00045 | -33.23 | 9.19   | 0.00044 |
| -35.36 | 7.07   | 0.00043 | -38.89 | 3.54   | 0.00041 |
| -42.43 | 0.00   | 0.00040 | -49.50 | -7.07  | 0.00038 |
| -56.57 | -14.14 | 0.00035 | -63.64 | -21.21 | 0.00032 |
| -70.71 | -28.28 | 0.00028 | -77.78 | -35.36 | 0.00025 |
| -84.85 | -42.43 | 0.00022 | -91.92 | -49.50 | 0.00019 |
| 56.57  | 84.85  | 0.00009 | 49.50  | 77.78  | 0.00010 |
| 42.43  | 70.71  | 0.00012 | 35.36  | 63.64  | 0.00015 |
| 28.28  | 56.57  | 0.00019 | 21.21  | 49.50  | 0.00024 |
| 14.14  | 42.43  | 0.00030 | 7.07   | 35.36  | 0.00036 |
| 3.54   | 31.82  | 0.00040 | 0.00   | 28.28  | 0.00043 |
| -2.12  | 26.16  | 0.00045 | -3.54  | 24.75  | 0.00047 |
| -4.95  | 23.33  | 0.00048 | -6.36  | 21.92  | 0.00050 |
| -7.78  | 20.51  | 0.00051 | -20.51 | 7.78   | 0.00055 |
| -21.92 | 6.36   | 0.00054 | -23.33 | 4.95   | 0.00053 |
| -24.75 | 3.54   | 0.00052 | -26.16 | 2.12   | 0.00051 |
| -28.28 | 0.00   | 0.00049 | -31.82 | -3.54  | 0.00047 |
| -35.36 | -7.07  | 0.00046 | -42.43 | -14.14 | 0.00043 |
| -49.50 | -21.21 | 0.00039 | -56.57 | -28.28 | 0.00035 |
| -63.64 | -35.36 | 0.00030 | -70.71 | -42.43 | 0.00026 |
| -77.78 | -49.50 | 0.00023 | -84.85 | -56.57 | 0.00020 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

| ** CONC OF OTHER IN MICROGRAMS/M**3 |             |         | **          |             |         |
|-------------------------------------|-------------|---------|-------------|-------------|---------|
| X-COORD (M)                         | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
| 63.64                               | 77.78       | 0.00009 | 56.57       | 70.71       | 0.00010 |
| 49.50                               | 63.64       | 0.00013 | 42.43       | 56.57       | 0.00016 |
| 35.36                               | 49.50       | 0.00020 | 28.28       | 42.43       | 0.00025 |
| 21.21                               | 35.36       | 0.00032 | 14.14       | 28.28       | 0.00041 |
| 10.61                               | 24.75       | 0.00045 | 7.07        | 21.21       | 0.00050 |
| 4.95                                | 19.09       | 0.00053 | 3.54        | 17.68       | 0.00055 |
| 2.12                                | 16.26       | 0.00057 | 0.71        | 14.85       | 0.00058 |
| -0.71                               | 13.44       | 0.00060 | -13.44      | 0.71        | 0.00065 |
| -14.85                              | -0.71       | 0.00063 | -16.26      | -2.12       | 0.00062 |
| -17.68                              | -3.54       | 0.00061 | -19.09      | -4.95       | 0.00059 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -21.21 | -7.07  | 0.00058 | -24.75 | -10.61 | 0.00055 |
| -28.28 | -14.14 | 0.00053 | -35.36 | -21.21 | 0.00049 |
| -42.43 | -28.28 | 0.00043 | -49.50 | -35.36 | 0.00037 |
| -56.57 | -42.43 | 0.00032 | -63.64 | -49.50 | 0.00028 |
| -70.71 | -56.57 | 0.00024 | -77.78 | -63.64 | 0.00021 |
| 70.71  | 70.71  | 0.00009 | 63.64  | 63.64  | 0.00011 |
| 56.57  | 56.57  | 0.00013 | 49.50  | 49.50  | 0.00016 |
| 42.43  | 42.43  | 0.00020 | 35.36  | 35.36  | 0.00026 |
| 28.28  | 28.28  | 0.00034 | 21.21  | 21.21  | 0.00045 |
| 17.68  | 17.68  | 0.00051 | 14.14  | 14.14  | 0.00058 |
| 12.02  | 12.02  | 0.00062 | 10.61  | 10.61  | 0.00064 |
| 9.19   | 9.19   | 0.00067 | 7.78   | 7.78   | 0.00070 |
| 6.36   | 6.36   | 0.00072 | -6.36  | -6.36  | 0.00077 |
| -7.78  | -7.78  | 0.00075 | -9.19  | -9.19  | 0.00074 |
| -10.61 | -10.61 | 0.00072 | -12.02 | -12.02 | 0.00070 |
| -14.14 | -14.14 | 0.00068 | -17.68 | -17.68 | 0.00065 |
| -21.21 | -21.21 | 0.00062 | -28.28 | -28.28 | 0.00055 |
| -35.36 | -35.36 | 0.00047 | -42.43 | -42.43 | 0.00040 |
| -49.50 | -49.50 | 0.00034 | -56.57 | -56.57 | 0.00029 |
| -63.64 | -63.64 | 0.00025 | -70.71 | -70.71 | 0.00022 |
| 77.78  | 63.64  | 0.00009 | 70.71  | 56.57  | 0.00011 |
| 63.64  | 49.50  | 0.00013 | 56.57  | 42.43  | 0.00016 |
| 49.50  | 35.36  | 0.00021 | 42.43  | 28.28  | 0.00027 |
| 35.36  | 21.21  | 0.00036 | 28.28  | 14.14  | 0.00049 |
| 24.75  | 10.61  | 0.00057 | 21.21  | 7.07   | 0.00067 |
| 19.09  | 4.95   | 0.00072 | 17.68  | 3.54   | 0.00076 |
| 16.26  | 2.12   | 0.00080 | 14.85  | 0.71   | 0.00084 |
| 13.44  | -0.71  | 0.00088 | 0.71   | -13.44 | 0.00093 |
| -0.71  | -14.85 | 0.00091 | -2.12  | -16.26 | 0.00088 |
| -3.54  | -17.68 | 0.00086 | -4.95  | -19.09 | 0.00084 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -7.07       | -21.21      | 0.00081 | -10.61      | -24.75      | 0.00077 |
| -14.14      | -28.28      | 0.00071 | -21.21      | -35.36      | 0.00060 |
| -28.28      | -42.43      | 0.00051 | -35.36      | -49.50      | 0.00043 |
| -42.43      | -56.57      | 0.00036 | -49.50      | -63.64      | 0.00030 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -56.57 | -70.71 | 0.00026 | -63.64 | -77.78 | 0.00023 |
| 84.85  | 56.57  | 0.00010 | 77.78  | 49.50  | 0.00011 |
| 70.71  | 42.43  | 0.00014 | 63.64  | 35.36  | 0.00017 |
| 56.57  | 28.28  | 0.00021 | 49.50  | 21.21  | 0.00028 |
| 42.43  | 14.14  | 0.00038 | 35.36  | 7.07   | 0.00052 |
| 31.82  | 3.54   | 0.00063 | 28.28  | 0.00   | 0.00075 |
| 26.16  | -2.12  | 0.00083 | 24.75  | -3.54  | 0.00089 |
| 23.33  | -4.95  | 0.00095 | 21.92  | -6.36  | 0.00101 |
| 20.51  | -7.78  | 0.00107 | 7.78   | -20.51 | 0.00114 |
| 6.36   | -21.92 | 0.00110 | 4.95   | -23.33 | 0.00107 |
| 3.54   | -24.75 | 0.00104 | 2.12   | -26.16 | 0.00101 |
| 0.00   | -28.28 | 0.00096 | -3.54  | -31.82 | 0.00087 |
| -7.07  | -35.36 | 0.00079 | -14.14 | -42.43 | 0.00066 |
| -21.21 | -49.50 | 0.00054 | -28.28 | -56.57 | 0.00045 |
| -35.36 | -63.64 | 0.00037 | -42.43 | -70.71 | 0.00032 |
| -49.50 | -77.78 | 0.00027 | -56.57 | -84.85 | 0.00023 |
| 91.92  | 49.50  | 0.00010 | 84.85  | 42.43  | 0.00012 |
| 77.78  | 35.36  | 0.00014 | 70.71  | 28.28  | 0.00018 |
| 63.64  | 21.21  | 0.00022 | 56.57  | 14.14  | 0.00029 |
| 49.50  | 7.07   | 0.00039 | 42.43  | 0.00   | 0.00055 |
| 38.89  | -3.54  | 0.00067 | 35.36  | -7.07  | 0.00081 |
| 33.23  | -9.19  | 0.00093 | 31.82  | -10.61 | 0.00101 |
| 30.41  | -12.02 | 0.00110 | 28.99  | -13.44 | 0.00120 |
| 27.58  | -14.85 | 0.00129 | 14.85  | -27.58 | 0.00140 |
| 13.44  | -28.99 | 0.00134 | 12.02  | -30.41 | 0.00128 |
| 10.61  | -31.82 | 0.00122 | 9.19   | -33.23 | 0.00116 |
| 7.07   | -35.36 | 0.00108 | 3.54   | -38.89 | 0.00097 |
| 0.00   | -42.43 | 0.00087 | -7.07  | -49.50 | 0.00071 |
| -14.14 | -56.57 | 0.00057 | -21.21 | -63.64 | 0.00047 |
| -28.28 | -70.71 | 0.00039 | -35.36 | -77.78 | 0.00033 |
| -42.43 | -84.85 | 0.00028 | -49.50 | -91.92 | 0.00024 |
| 98.99  | 42.43  | 0.00011 | 91.92  | 35.36  | 0.00013 |
| 84.85  | 28.28  | 0.00015 | 77.78  | 21.21  | 0.00019 |
| 70.71  | 14.14  | 0.00023 | 63.64  | 7.07   | 0.00030 |
| 56.57  | 0.00   | 0.00041 | 49.50  | -7.07  | 0.00058 |
| 45.96  | -10.61 | 0.00071 | 42.43  | -14.14 | 0.00087 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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CONC      URBAN FLAT      FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION      VALUES FOR SOURCE GROUP: NCRA\_S2  
 \*\*\* INCLUDING SOURCE(S):      NCRA\_S2 ,  
 \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound  
 \*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.31       | -16.26      | 0.00100 | 38.89       | -17.68      | 0.00109 |
| 37.48       | -19.09      | 0.00120 | 36.06       | -20.51      | 0.00134 |
| 34.65       | -21.92      | 0.00148 | 21.92       | -34.65      | 0.00165 |
| 20.51       | -36.06      | 0.00154 | 19.09       | -37.48      | 0.00144 |
| 17.68       | -38.89      | 0.00135 | 16.26       | -40.31      | 0.00128 |
| 14.14       | -42.43      | 0.00118 | 10.61       | -45.96      | 0.00104 |
| 7.07        | -49.50      | 0.00093 | 0.00        | -56.57      | 0.00074 |
| -7.07       | -63.64      | 0.00060 | -14.14      | -70.71      | 0.00049 |
| -21.21      | -77.78      | 0.00040 | -28.28      | -84.85      | 0.00034 |
| -35.36      | -91.92      | 0.00029 | -42.43      | -98.99      | 0.00025 |
| 106.07      | 35.36       | 0.00012 | 98.99       | 28.28       | 0.00014 |
| 91.92       | 21.21       | 0.00016 | 84.85       | 14.14       | 0.00020 |
| 77.78       | 7.07        | 0.00025 | 70.71       | 0.00        | 0.00033 |
| 63.64       | -7.07       | 0.00045 | 56.57       | -14.14      | 0.00064 |
| 53.03       | -17.68      | 0.00078 | 49.50       | -21.21      | 0.00097 |
| 47.38       | -23.33      | 0.00112 | 45.96       | -24.75      | 0.00123 |
| 44.55       | -26.16      | 0.00137 | 43.13       | -27.58      | 0.00154 |
| 41.72       | -28.99      | 0.00177 | 28.99       | -41.72      | 0.00190 |
| 27.58       | -43.13      | 0.00172 | 26.16       | -44.55      | 0.00159 |
| 24.75       | -45.96      | 0.00148 | 23.33       | -47.38      | 0.00139 |
| 21.21       | -49.50      | 0.00127 | 17.68       | -53.03      | 0.00111 |
| 14.14       | -56.57      | 0.00098 | 7.07        | -63.64      | 0.00078 |
| 0.00        | -70.71      | 0.00062 | -7.07       | -77.78      | 0.00050 |
| -14.14      | -84.85      | 0.00041 | -21.21      | -91.92      | 0.00035 |
| -28.28      | -98.99      | 0.00030 | -35.36      | -106.07     | 0.00026 |
| 113.14      | 28.28       | 0.00013 | 106.07      | 21.21       | 0.00015 |
| 98.99       | 14.14       | 0.00018 | 91.92       | 7.07        | 0.00022 |
| 84.85       | 0.00        | 0.00028 | 77.78       | -7.07       | 0.00036 |
| 70.71       | -14.14      | 0.00050 | 63.64       | -21.21      | 0.00074 |
| 60.10       | -24.75      | 0.00094 | 56.57       | -28.28      | 0.00124 |
| 54.45       | -30.41      | 0.00150 | 53.03       | -31.82      | 0.00173 |
| 51.62       | -33.23      | 0.00202 | 50.20       | -34.65      | 0.00241 |
| 48.79       | -36.06      | 0.00295 | 36.06       | -48.79      | 0.00255 |
| 34.65       | -50.20      | 0.00219 | 33.23       | -51.62      | 0.00194 |
| 31.82       | -53.03      | 0.00175 | 30.41       | -54.45      | 0.00161 |
| 28.28       | -56.57      | 0.00144 | 24.75       | -60.10      | 0.00123 |
| 21.21       | -63.64      | 0.00107 | 14.14       | -70.71      | 0.00083 |
| 7.07        | -77.78      | 0.00065 | 0.00        | -84.85      | 0.00053 |
| -7.07       | -91.92      | 0.00043 | -14.14      | -98.99      | 0.00036 |
| -21.21      | -106.07     | 0.00031 | -28.28      | -113.14     | 0.00026 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
 04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

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\*\*MODELOPTs:  
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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

| ** CONC OF OTHER |             |         | IN MICROGRAMS/M**3 |             |         |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M)      | Y-COORD (M) | CONC    | X-COORD (M)        | Y-COORD (M) | CONC    |
| 120.21           | 21.21       | 0.00014 | 113.14             | 14.14       | 0.00016 |
| 106.07           | 7.07        | 0.00020 | 98.99              | 0.00        | 0.00024 |
| 91.92            | -7.07       | 0.00031 | 84.85              | -14.14      | 0.00041 |
| 77.78            | -21.21      | 0.00059 | 70.71              | -28.28      | 0.00095 |
| 67.18            | -31.82      | 0.00126 | 63.64              | -35.36      | 0.00177 |
| 61.52            | -37.48      | 0.00221 | 60.10              | -38.89      | 0.00258 |
| 58.69            | -40.31      | 0.00304 | 57.28              | -41.72      | 0.00360 |
| 55.86            | -43.13      | 0.00431 | 43.13              | -55.86      | 0.00337 |
| 41.72            | -57.28      | 0.00287 | 40.31              | -58.69      | 0.00250 |
| 38.89            | -60.10      | 0.00222 | 37.48              | -61.52      | 0.00199 |
| 35.36            | -63.64      | 0.00173 | 31.82              | -67.18      | 0.00142 |
| 28.28            | -70.71      | 0.00120 | 21.21              | -77.78      | 0.00090 |
| 14.14            | -84.85      | 0.00070 | 7.07               | -91.92      | 0.00056 |
| 0.00             | -98.99      | 0.00046 | -7.07              | -106.07     | 0.00039 |
| -14.14           | -113.14     | 0.00032 | -21.21             | -120.21     | 0.00028 |
| 127.28           | 14.14       | 0.00015 | 120.21             | 7.07        | 0.00018 |
| 113.14           | 0.00        | 0.00022 | 106.07             | -7.07       | 0.00027 |
| 98.99            | -14.14      | 0.00036 | 91.92              | -21.21      | 0.00050 |
| 84.85            | -28.28      | 0.00075 | 77.78              | -35.36      | 0.00125 |
| 74.25            | -38.89      | 0.00171 | 70.71              | -42.43      | 0.00239 |
| 68.59            | -44.55      | 0.00296 | 67.18              | -45.96      | 0.00342 |
| 65.76            | -47.38      | 0.00398 | 64.35              | -48.79      | 0.00463 |
| 62.93            | -50.20      | 0.00542 | 50.20              | -62.93      | 0.00412 |
| 48.79            | -64.35      | 0.00353 | 47.38              | -65.76      | 0.00308 |
| 45.96            | -67.18      | 0.00273 | 44.55              | -68.59      | 0.00244 |
| 42.43            | -70.71      | 0.00210 | 38.89              | -74.25      | 0.00167 |
| 35.36            | -77.78      | 0.00137 | 28.28              | -84.85      | 0.00099 |
| 21.21            | -91.92      | 0.00076 | 14.14              | -98.99      | 0.00061 |
| 7.07             | -106.07     | 0.00049 | 0.00               | -113.14     | 0.00041 |
| -7.07            | -120.21     | 0.00034 | -14.14             | -127.28     | 0.00029 |
| 134.35           | 7.07        | 0.00016 | 127.28             | 0.00        | 0.00020 |
| 120.21           | -7.07       | 0.00025 | 113.14             | -14.14      | 0.00032 |
| 106.07           | -21.21      | 0.00043 | 98.99              | -28.28      | 0.00061 |
| 91.92            | -35.36      | 0.00095 | 84.85              | -42.43      | 0.00161 |
| 81.32            | -45.96      | 0.00217 | 77.78              | -49.50      | 0.00297 |
| 75.66            | -51.62      | 0.00361 | 74.25              | -53.03      | 0.00412 |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|       |        |         |       |        |         |
|-------|--------|---------|-------|--------|---------|
| 72.83 | -54.45 | 0.00472 | 71.42 | -55.86 | 0.00543 |
| 70.00 | -57.28 | 0.00627 | 57.28 | -70.00 | 0.00473 |
| 55.86 | -71.42 | 0.00408 | 54.45 | -72.83 | 0.00358 |
| 53.03 | -74.25 | 0.00317 | 51.62 | -75.66 | 0.00284 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
 PAGE 56  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 49.50       | -77.78      | 0.00244 | 45.96       | -81.32      | 0.00194 |
| 42.43       | -84.85      | 0.00157 | 35.36       | -91.92      | 0.00111 |
| 28.28       | -98.99      | 0.00083 | 21.21       | -106.07     | 0.00065 |
| 14.14       | -113.14     | 0.00053 | 7.07        | -120.21     | 0.00043 |
| 0.00        | -127.28     | 0.00036 | -7.07       | -134.35     | 0.00030 |
| 141.42      | 0.00        | 0.00018 | 134.35      | -7.07       | 0.00022 |
| 127.28      | -14.14      | 0.00028 | 120.21      | -21.21      | 0.00038 |
| 113.14      | -28.28      | 0.00052 | 106.07      | -35.36      | 0.00076 |
| 98.99       | -42.43      | 0.00118 | 91.92       | -49.50      | 0.00196 |
| 88.39       | -53.03      | 0.00258 | 84.85       | -56.57      | 0.00345 |
| 82.73       | -58.69      | 0.00412 | 81.32       | -60.10      | 0.00466 |
| 79.90       | -61.52      | 0.00529 | 78.49       | -62.93      | 0.00601 |
| 77.07       | -64.35      | 0.00687 | 64.35       | -77.07      | 0.00519 |
| 62.93       | -78.49      | 0.00450 | 61.52       | -79.90      | 0.00397 |
| 60.10       | -81.32      | 0.00353 | 58.69       | -82.73      | 0.00316 |
| 56.57       | -84.85      | 0.00272 | 53.03       | -88.39      | 0.00216 |
| 49.50       | -91.92      | 0.00177 | 42.43       | -98.99      | 0.00124 |
| 35.36       | -106.07     | 0.00092 | 28.28       | -113.14     | 0.00071 |
| 21.21       | -120.21     | 0.00056 | 14.14       | -127.28     | 0.00046 |
| 7.07        | -134.35     | 0.00038 | 0.00        | -141.42     | 0.00032 |
| 148.49      | -7.07       | 0.00020 | 141.42      | -14.14      | 0.00025 |
| 134.35      | -21.21      | 0.00033 | 127.28      | -28.28      | 0.00044 |
| 120.21      | -35.36      | 0.00062 | 113.14      | -42.43      | 0.00091 |
| 106.07      | -49.50      | 0.00142 | 98.99       | -56.57      | 0.00228 |
| 95.46       | -60.10      | 0.00294 | 91.92       | -63.64      | 0.00384 |
| 89.80       | -65.76      | 0.00453 | 88.39       | -67.18      | 0.00508 |
| 86.97       | -68.59      | 0.00570 | 85.56       | -70.00      | 0.00642 |
| 84.15       | -71.42      | 0.00727 | 71.42       | -84.15      | 0.00548 |
| 70.00       | -85.56      | 0.00478 | 68.59       | -86.97      | 0.00423 |
| 67.18       | -88.39      | 0.00377 | 65.76       | -89.80      | 0.00339 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 63.64  | -91.92  | 0.00293 | 60.10  | -95.46  | 0.00236 |
| 56.57  | -98.99  | 0.00195 | 49.50  | -106.07 | 0.00138 |
| 42.43  | -113.14 | 0.00101 | 35.36  | -120.21 | 0.00077 |
| 28.28  | -127.28 | 0.00060 | 21.21  | -134.35 | 0.00049 |
| 14.14  | -141.42 | 0.00040 | 7.07   | -148.49 | 0.00034 |
| 155.56 | -14.14  | 0.00023 | 148.49 | -21.21  | 0.00029 |
| 141.42 | -28.28  | 0.00038 | 134.35 | -35.36  | 0.00052 |
| 127.28 | -42.43  | 0.00073 | 120.21 | -49.50  | 0.00107 |
| 113.14 | -56.57  | 0.00163 | 106.07 | -63.64  | 0.00256 |
| 102.53 | -67.18  | 0.00325 | 98.99  | -70.71  | 0.00417 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
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\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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\*\*MODELOPTs:

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CONC                      URBAN FLAT    FLGPOL    DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S2

\*\*\* INCLUDING SOURCE(S):            NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER            IN MICROGRAMS/M\*\*3                      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 96.87       | -72.83      | 0.00486 | 95.46       | -74.25      | 0.00540 |
| 94.05       | -75.66      | 0.00600 | 92.63       | -77.07      | 0.00670 |
| 91.22       | -78.49      | 0.00752 | 78.49       | -91.22      | 0.00563 |
| 77.07       | -92.63      | 0.00493 | 75.66       | -94.05      | 0.00439 |
| 74.25       | -95.46      | 0.00394 | 72.83       | -96.87      | 0.00357 |
| 70.71       | -98.99      | 0.00311 | 67.18       | -102.53     | 0.00253 |
| 63.64       | -106.07     | 0.00210 | 56.57       | -113.14     | 0.00150 |
| 49.50       | -120.21     | 0.00111 | 42.43       | -127.28     | 0.00084 |
| 35.36       | -134.35     | 0.00065 | 28.28       | -141.42     | 0.00052 |
| 21.21       | -148.49     | 0.00043 | 14.14       | -155.56     | 0.00036 |
| 162.63      | -21.21      | 0.00026 | 155.56      | -28.28      | 0.00033 |
| 148.49      | -35.36      | 0.00044 | 141.42      | -42.43      | 0.00059 |
| 134.35      | -49.50      | 0.00084 | 127.28      | -56.57      | 0.00122 |
| 120.21      | -63.64      | 0.00182 | 113.14      | -70.71      | 0.00279 |
| 109.60      | -74.25      | 0.00351 | 106.07      | -77.78      | 0.00444 |
| 103.94      | -79.90      | 0.00513 | 102.53      | -81.32      | 0.00567 |
| 101.12      | -82.73      | 0.00626 | 99.70       | -84.15      | 0.00694 |
| 98.29       | -85.56      | 0.00770 | 85.56       | -98.29      | 0.00570 |
| 84.15       | -99.70      | 0.00504 | 82.73       | -101.12     | 0.00452 |
| 81.32       | -102.53     | 0.00409 | 79.90       | -103.94     | 0.00373 |
| 77.78       | -106.07     | 0.00327 | 74.25       | -109.60     | 0.00268 |
| 70.71       | -113.14     | 0.00224 | 63.64       | -120.21     | 0.00161 |
| 56.57       | -127.28     | 0.00120 | 49.50       | -134.35     | 0.00091 |
| 42.43       | -141.42     | 0.00070 | 35.36       | -148.49     | 0.00056 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 28.28  | -155.56 | 0.00045 | 21.21  | -162.63 | 0.00038 |
| 169.71 | -28.28  | 0.00029 | 162.63 | -35.36  | 0.00037 |
| 155.56 | -42.43  | 0.00049 | 148.49 | -49.50  | 0.00067 |
| 141.42 | -56.57  | 0.00094 | 134.35 | -63.64  | 0.00135 |
| 127.28 | -70.71  | 0.00197 | 120.21 | -77.78  | 0.00296 |
| 116.67 | -81.32  | 0.00368 | 113.14 | -84.85  | 0.00460 |
| 111.02 | -86.97  | 0.00529 | 109.60 | -88.39  | 0.00581 |
| 108.19 | -89.80  | 0.00638 | 106.77 | -91.22  | 0.00702 |
| 105.36 | -92.63  | 0.00772 | 92.63  | -105.36 | 0.00570 |
| 91.22  | -106.77 | 0.00511 | 89.80  | -108.19 | 0.00461 |
| 88.39  | -109.60 | 0.00419 | 86.97  | -111.02 | 0.00384 |
| 84.85  | -113.14 | 0.00339 | 81.32  | -116.67 | 0.00280 |
| 77.78  | -120.21 | 0.00234 | 70.71  | -127.28 | 0.00170 |
| 63.64  | -134.35 | 0.00127 | 56.57  | -141.42 | 0.00097 |
| 49.50  | -148.49 | 0.00075 | 42.43  | -155.56 | 0.00060 |
| 35.36  | -162.63 | 0.00048 | 28.28  | -169.71 | 0.00040 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2

\*\*\*

INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 176.78      | -35.36      | 0.00032 | 169.71      | -42.43      | 0.00041 |
| 162.63      | -49.50      | 0.00055 | 155.56      | -56.57      | 0.00075 |
| 148.49      | -63.64      | 0.00103 | 141.42      | -70.71      | 0.00145 |
| 134.35      | -77.78      | 0.00208 | 127.28      | -84.85      | 0.00305 |
| 123.74      | -88.39      | 0.00373 | 120.21      | -91.92      | 0.00456 |
| 118.09      | -94.05      | 0.00513 | 116.67      | -95.46      | 0.00554 |
| 115.26      | -96.87      | 0.00595 | 113.84      | -98.29      | 0.00637 |
| 112.43      | -99.70      | 0.00675 | 99.70       | -112.43     | 0.00520 |
| 98.29       | -113.84     | 0.00481 | 96.87       | -115.26     | 0.00444 |
| 95.46       | -116.67     | 0.00410 | 94.05       | -118.09     | 0.00379 |
| 91.92       | -120.21     | 0.00338 | 88.39       | -123.74     | 0.00283 |
| 84.85       | -127.28     | 0.00238 | 77.78       | -134.35     | 0.00175 |
| 70.71       | -141.42     | 0.00132 | 63.64       | -148.49     | 0.00102 |
| 56.57       | -155.56     | 0.00079 | 49.50       | -162.63     | 0.00063 |
| 42.43       | -169.71     | 0.00051 | 35.36       | -176.78     | 0.00042 |
| 183.85      | -42.43      | 0.00035 | 176.78      | -49.50      | 0.00046 |
| 169.71      | -56.57      | 0.00060 | 162.63      | -63.64      | 0.00081 |
| 155.56      | -70.71      | 0.00111 | 148.49      | -77.78      | 0.00153 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 141.42 | -84.85  | 0.00213 | 134.35 | -91.92  | 0.00300 |
| 130.81 | -95.46  | 0.00356 | 127.28 | -98.99  | 0.00419 |
| 125.16 | -101.12 | 0.00459 | 123.74 | -102.53 | 0.00485 |
| 122.33 | -103.94 | 0.00510 | 120.92 | -105.36 | 0.00533 |
| 119.50 | -106.77 | 0.00553 | 106.77 | -119.50 | 0.00452 |
| 105.36 | -120.92 | 0.00425 | 103.94 | -122.33 | 0.00400 |
| 102.53 | -123.74 | 0.00375 | 101.12 | -125.16 | 0.00352 |
| 98.99  | -127.28 | 0.00321 | 95.46  | -130.81 | 0.00275 |
| 91.92  | -134.35 | 0.00236 | 84.85  | -141.42 | 0.00176 |
| 77.78  | -148.49 | 0.00134 | 70.71  | -155.56 | 0.00104 |
| 63.64  | -162.63 | 0.00082 | 56.57  | -169.71 | 0.00065 |
| 49.50  | -176.78 | 0.00053 | 42.43  | -183.85 | 0.00043 |
| 190.92 | -49.50  | 0.00039 | 183.85 | -56.57  | 0.00050 |
| 176.78 | -63.64  | 0.00065 | 169.71 | -70.71  | 0.00086 |
| 162.63 | -77.78  | 0.00115 | 155.56 | -84.85  | 0.00155 |
| 148.49 | -91.92  | 0.00209 | 141.42 | -98.99  | 0.00282 |
| 137.89 | -102.53 | 0.00324 | 134.35 | -106.07 | 0.00368 |
| 132.23 | -108.19 | 0.00395 | 130.81 | -109.60 | 0.00412 |
| 129.40 | -111.02 | 0.00427 | 127.99 | -112.43 | 0.00441 |
| 126.57 | -113.84 | 0.00452 | 113.84 | -126.57 | 0.00384 |
| 112.43 | -127.99 | 0.00367 | 111.02 | -129.40 | 0.00349 |
| 109.60 | -130.81 | 0.00332 | 108.19 | -132.23 | 0.00315 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2

\*\*\*

INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 106.07      | -134.35     | 0.00291 | 102.53      | -137.89     | 0.00255 |
| 98.99       | -141.42     | 0.00224 | 91.92       | -148.49     | 0.00172 |
| 84.85       | -155.56     | 0.00134 | 77.78       | -162.63     | 0.00105 |
| 70.71       | -169.71     | 0.00083 | 63.64       | -176.78     | 0.00067 |
| 56.57       | -183.85     | 0.00054 | 49.50       | -190.92     | 0.00045 |
| 197.99      | -56.57      | 0.00042 | 190.92      | -63.64      | 0.00054 |
| 183.85      | -70.71      | 0.00069 | 176.78      | -77.78      | 0.00090 |
| 169.71      | -84.85      | 0.00117 | 162.63      | -91.92      | 0.00153 |
| 155.56      | -98.99      | 0.00200 | 148.49      | -106.07     | 0.00256 |
| 144.96      | -109.60     | 0.00287 | 141.42      | -113.14     | 0.00319 |
| 139.30      | -115.26     | 0.00337 | 137.89      | -116.67     | 0.00348 |
| 136.47      | -118.09     | 0.00358 | 135.06      | -119.50     | 0.00366 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 133.64 | -120.92 | 0.00372 | 120.92 | -133.64 | 0.00325 |
| 119.50 | -135.06 | 0.00313 | 118.09 | -136.47 | 0.00302 |
| 116.67 | -137.89 | 0.00290 | 115.26 | -139.30 | 0.00277 |
| 113.14 | -141.42 | 0.00260 | 109.60 | -144.96 | 0.00232 |
| 106.07 | -148.49 | 0.00207 | 98.99  | -155.56 | 0.00164 |
| 91.92  | -162.63 | 0.00131 | 84.85  | -169.71 | 0.00105 |
| 77.78  | -176.78 | 0.00084 | 70.71  | -183.85 | 0.00068 |
| 63.64  | -190.92 | 0.00056 | 56.57  | -197.99 | 0.00046 |
| 205.06 | -63.64  | 0.00045 | 197.99 | -70.71  | 0.00056 |
| 190.92 | -77.78  | 0.00072 | 183.85 | -84.85  | 0.00091 |
| 176.78 | -91.92  | 0.00116 | 169.71 | -98.99  | 0.00148 |
| 162.63 | -106.07 | 0.00186 | 155.56 | -113.14 | 0.00229 |
| 152.03 | -116.67 | 0.00252 | 148.49 | -120.21 | 0.00275 |
| 146.37 | -122.33 | 0.00288 | 144.96 | -123.74 | 0.00295 |
| 143.54 | -125.16 | 0.00301 | 142.13 | -126.57 | 0.00306 |
| 140.71 | -127.99 | 0.00310 | 127.99 | -140.71 | 0.00276 |
| 126.57 | -142.13 | 0.00268 | 125.16 | -143.54 | 0.00260 |
| 123.74 | -144.96 | 0.00251 | 122.33 | -146.37 | 0.00243 |
| 120.21 | -148.49 | 0.00229 | 116.67 | -152.03 | 0.00208 |
| 113.14 | -155.56 | 0.00188 | 106.07 | -162.63 | 0.00153 |
| 98.99  | -169.71 | 0.00125 | 91.92  | -176.78 | 0.00102 |
| 84.85  | -183.85 | 0.00084 | 77.78  | -190.92 | 0.00069 |
| 70.71  | -197.99 | 0.00057 | 63.64  | -205.06 | 0.00047 |
| 212.13 | -70.71  | 0.00047 | 205.06 | -77.78  | 0.00058 |
| 197.99 | -84.85  | 0.00073 | 190.92 | -91.92  | 0.00091 |
| 183.85 | -98.99  | 0.00113 | 176.78 | -106.07 | 0.00140 |
| 169.71 | -113.14 | 0.00170 | 162.63 | -120.21 | 0.00204 |
| 159.10 | -123.74 | 0.00222 | 155.56 | -127.28 | 0.00239 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2  
 INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 153.44      | -129.40     | 0.00247 | 152.03      | -130.81     | 0.00252 |
| 150.61      | -132.23     | 0.00256 | 149.20      | -133.64     | 0.00259 |
| 147.79      | -135.06     | 0.00261 | 135.06      | -147.79     | 0.00235 |
| 133.64      | -149.20     | 0.00230 | 132.23      | -150.61     | 0.00224 |
| 130.81      | -152.03     | 0.00218 | 129.40      | -153.44     | 0.00212 |
| 127.28      | -155.56     | 0.00202 | 123.74      | -159.10     | 0.00186 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 120.21 | -162.63 | 0.00170 | 113.14 | -169.71 | 0.00141 |
| 106.07 | -176.78 | 0.00118 | 98.99  | -183.85 | 0.00098 |
| 91.92  | -190.92 | 0.00082 | 84.85  | -197.99 | 0.00068 |
| 77.78  | -205.06 | 0.00057 | 70.71  | -212.13 | 0.00048 |
| 219.20 | -77.78  | 0.00048 | 212.13 | -84.85  | 0.00059 |
| 205.06 | -91.92  | 0.00073 | 197.99 | -98.99  | 0.00089 |
| 190.92 | -106.07 | 0.00108 | 183.85 | -113.14 | 0.00131 |
| 176.78 | -120.21 | 0.00155 | 169.71 | -127.28 | 0.00182 |
| 166.17 | -130.81 | 0.00196 | 162.63 | -134.35 | 0.00208 |
| 160.51 | -136.47 | 0.00214 | 159.10 | -137.89 | 0.00217 |
| 157.68 | -139.30 | 0.00220 | 156.27 | -140.71 | 0.00221 |
| 154.86 | -142.13 | 0.00222 | 142.13 | -154.86 | 0.00203 |
| 140.71 | -156.27 | 0.00199 | 139.30 | -157.68 | 0.00195 |
| 137.89 | -159.10 | 0.00190 | 136.47 | -160.51 | 0.00186 |
| 134.35 | -162.63 | 0.00178 | 130.81 | -166.17 | 0.00166 |
| 127.28 | -169.71 | 0.00153 | 120.21 | -176.78 | 0.00130 |
| 113.14 | -183.85 | 0.00110 | 106.07 | -190.92 | 0.00093 |
| 98.99  | -197.99 | 0.00079 | 91.92  | -205.06 | 0.00067 |
| 84.85  | -212.13 | 0.00057 | 77.78  | -219.20 | 0.00048 |
| 226.27 | -84.85  | 0.00049 | 219.20 | -91.92  | 0.00059 |
| 212.13 | -98.99  | 0.00072 | 205.06 | -106.07 | 0.00086 |
| 197.99 | -113.14 | 0.00103 | 190.92 | -120.21 | 0.00121 |
| 183.85 | -127.28 | 0.00141 | 176.78 | -134.35 | 0.00163 |
| 173.24 | -137.89 | 0.00173 | 169.71 | -141.42 | 0.00182 |
| 167.58 | -143.54 | 0.00186 | 166.17 | -144.96 | 0.00188 |
| 164.76 | -146.37 | 0.00190 | 163.34 | -147.79 | 0.00191 |
| 161.93 | -149.20 | 0.00192 | 149.20 | -161.93 | 0.00176 |
| 147.79 | -163.34 | 0.00173 | 146.37 | -164.76 | 0.00170 |
| 144.96 | -166.17 | 0.00167 | 143.54 | -167.58 | 0.00163 |
| 141.42 | -169.71 | 0.00158 | 137.89 | -173.24 | 0.00148 |
| 134.35 | -176.78 | 0.00138 | 127.28 | -183.85 | 0.00119 |
| 120.21 | -190.92 | 0.00102 | 113.14 | -197.99 | 0.00088 |
| 106.07 | -205.06 | 0.00076 | 98.99  | -212.13 | 0.00065 |
| 91.92  | -219.20 | 0.00056 | 84.85  | -226.27 | 0.00048 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2 \*\*\*

INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC  | X-COORD (M) | Y-COORD (M) | CONC  |
|-------------|-------------|-------|-------------|-------------|-------|
| -----       | -----       | ----- | -----       | -----       | ----- |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 233.35 | -91.92  | 0.00049 | 226.27 | -98.99  | 0.00059 |
| 219.20 | -106.07 | 0.00070 | 212.13 | -113.14 | 0.00083 |
| 205.06 | -120.21 | 0.00096 | 197.99 | -127.28 | 0.00112 |
| 190.92 | -134.35 | 0.00128 | 183.85 | -141.42 | 0.00146 |
| 180.31 | -144.96 | 0.00154 | 176.78 | -148.49 | 0.00160 |
| 174.66 | -150.61 | 0.00163 | 173.24 | -152.03 | 0.00165 |
| 171.83 | -153.44 | 0.00166 | 170.41 | -154.86 | 0.00166 |
| 169.00 | -156.27 | 0.00167 | 156.27 | -169.00 | 0.00154 |
| 154.86 | -170.41 | 0.00152 | 153.44 | -171.83 | 0.00150 |
| 152.03 | -173.24 | 0.00147 | 150.61 | -174.66 | 0.00144 |
| 148.49 | -176.78 | 0.00140 | 144.96 | -180.31 | 0.00133 |
| 141.42 | -183.85 | 0.00125 | 134.35 | -190.92 | 0.00109 |
| 127.28 | -197.99 | 0.00095 | 120.21 | -205.06 | 0.00082 |
| 113.14 | -212.13 | 0.00072 | 106.07 | -219.20 | 0.00063 |
| 98.99  | -226.27 | 0.00054 | 91.92  | -233.35 | 0.00047 |
| 240.42 | -98.99  | 0.00049 | 233.35 | -106.07 | 0.00058 |
| 226.27 | -113.14 | 0.00068 | 219.20 | -120.21 | 0.00078 |
| 212.13 | -127.28 | 0.00090 | 205.06 | -134.35 | 0.00103 |
| 197.99 | -141.42 | 0.00117 | 190.92 | -148.49 | 0.00131 |
| 187.38 | -152.03 | 0.00137 | 183.85 | -155.56 | 0.00142 |
| 181.73 | -157.68 | 0.00144 | 180.31 | -159.10 | 0.00145 |
| 178.90 | -160.51 | 0.00146 | 177.48 | -161.93 | 0.00146 |
| 176.07 | -163.34 | 0.00146 | 163.34 | -176.07 | 0.00136 |
| 161.93 | -177.48 | 0.00135 | 160.51 | -178.90 | 0.00133 |
| 159.10 | -180.31 | 0.00131 | 157.68 | -181.73 | 0.00128 |
| 155.56 | -183.85 | 0.00125 | 152.03 | -187.38 | 0.00119 |
| 148.49 | -190.92 | 0.00113 | 141.42 | -197.99 | 0.00100 |
| 134.35 | -205.06 | 0.00088 | 127.28 | -212.13 | 0.00077 |
| 120.21 | -219.20 | 0.00068 | 113.14 | -226.27 | 0.00060 |
| 106.07 | -233.35 | 0.00053 | 98.99  | -240.42 | 0.00046 |
| 247.49 | -106.07 | 0.00049 | 240.42 | -113.14 | 0.00056 |
| 233.35 | -120.21 | 0.00065 | 226.27 | -127.28 | 0.00074 |
| 219.20 | -134.35 | 0.00084 | 212.13 | -141.42 | 0.00095 |
| 205.06 | -148.49 | 0.00107 | 197.99 | -155.56 | 0.00118 |
| 194.45 | -159.10 | 0.00123 | 190.92 | -162.63 | 0.00127 |
| 188.80 | -164.76 | 0.00128 | 187.38 | -166.17 | 0.00129 |
| 185.97 | -167.58 | 0.00129 | 184.55 | -169.00 | 0.00130 |
| 183.14 | -170.41 | 0.00130 | 170.41 | -183.14 | 0.00121 |
| 169.00 | -184.55 | 0.00120 | 167.58 | -185.97 | 0.00118 |
| 166.17 | -187.38 | 0.00117 | 164.76 | -188.80 | 0.00115 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08  
    \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2  
 INCLUDING SOURCE(S): NCRA\_S2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

| ** CONC OF OTHER |             |         | IN MICROGRAMS/M**3 |             |         | ** |
|------------------|-------------|---------|--------------------|-------------|---------|----|
| X-COORD (M)      | Y-COORD (M) | CONC    | X-COORD (M)        | Y-COORD (M) | CONC    |    |
| 162.63           | -190.92     | 0.00112 | 159.10             | -194.45     | 0.00108 |    |
| 155.56           | -197.99     | 0.00103 | 148.49             | -205.06     | 0.00092 |    |
| 141.42           | -212.13     | 0.00081 | 134.35             | -219.20     | 0.00072 |    |
| 127.28           | -226.27     | 0.00064 | 120.21             | -233.35     | 0.00057 |    |
| 113.14           | -240.42     | 0.00051 | 106.07             | -247.49     | 0.00045 |    |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08 \*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3  
 INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

| ** CONC OF OTHER |             |         | IN MICROGRAMS/M**3 |             |         | ** |
|------------------|-------------|---------|--------------------|-------------|---------|----|
| X-COORD (M)      | Y-COORD (M) | CONC    | X-COORD (M)        | Y-COORD (M) | CONC    |    |
| -106.07          | 247.49      | 0.00006 | -113.14            | 240.42      | 0.00007 |    |
| -120.21          | 233.35      | 0.00007 | -127.28            | 226.27      | 0.00008 |    |
| -134.35          | 219.20      | 0.00008 | -141.42            | 212.13      | 0.00009 |    |
| -148.49          | 205.06      | 0.00009 | -155.56            | 197.99      | 0.00010 |    |
| -159.10          | 194.45      | 0.00010 | -162.63            | 190.92      | 0.00011 |    |
| -164.76          | 188.80      | 0.00011 | -166.17            | 187.38      | 0.00011 |    |
| -167.58          | 185.97      | 0.00011 | -169.00            | 184.55      | 0.00011 |    |
| -170.41          | 183.14      | 0.00011 | -183.14            | 170.41      | 0.00012 |    |
| -184.55          | 169.00      | 0.00012 | -185.97            | 167.58      | 0.00012 |    |
| -187.38          | 166.17      | 0.00012 | -188.80            | 164.76      | 0.00012 |    |
| -190.92          | 162.63      | 0.00012 | -194.45            | 159.10      | 0.00012 |    |
| -197.99          | 155.56      | 0.00011 | -205.06            | 148.49      | 0.00011 |    |
| -212.13          | 141.42      | 0.00010 | -219.20            | 134.35      | 0.00010 |    |
| -226.27          | 127.28      | 0.00010 | -233.35            | 120.21      | 0.00009 |    |
| -240.42          | 113.14      | 0.00009 | -247.49            | 106.07      | 0.00009 |    |
| -98.99           | 240.42      | 0.00006 | -106.07            | 233.35      | 0.00007 |    |
| -113.14          | 226.27      | 0.00007 | -120.21            | 219.20      | 0.00008 |    |
| -127.28          | 212.13      | 0.00009 | -134.35            | 205.06      | 0.00009 |    |
| -141.42          | 197.99      | 0.00010 | -148.49            | 190.92      | 0.00011 |    |
| -152.03          | 187.38      | 0.00011 | -155.56            | 183.85      | 0.00011 |    |
| -157.68          | 181.73      | 0.00012 | -159.10            | 180.31      | 0.00012 |    |
| -160.51          | 178.90      | 0.00012 | -161.93            | 177.48      | 0.00012 |    |
| -163.34          | 176.07      | 0.00012 | -176.07            | 163.34      | 0.00013 |    |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -177.48 | 161.93 | 0.00013 | -178.90 | 160.51 | 0.00013 |
| -180.31 | 159.10 | 0.00013 | -181.73 | 157.68 | 0.00013 |
| -183.85 | 155.56 | 0.00013 | -187.38 | 152.03 | 0.00012 |
| -190.92 | 148.49 | 0.00012 | -197.99 | 141.42 | 0.00012 |
| -205.06 | 134.35 | 0.00011 | -212.13 | 127.28 | 0.00011 |
| -219.20 | 120.21 | 0.00010 | -226.27 | 113.14 | 0.00010 |
| -233.35 | 106.07 | 0.00010 | -240.42 | 98.99  | 0.00010 |
| -91.92  | 233.35 | 0.00007 | -98.99  | 226.27 | 0.00007 |
| -106.07 | 219.20 | 0.00008 | -113.14 | 212.13 | 0.00009 |
| -120.21 | 205.06 | 0.00009 | -127.28 | 197.99 | 0.00010 |
| -134.35 | 190.92 | 0.00011 | -141.42 | 183.85 | 0.00012 |
| -144.96 | 180.31 | 0.00012 | -148.49 | 176.78 | 0.00012 |
| -150.61 | 174.66 | 0.00013 | -152.03 | 173.24 | 0.00013 |
| -153.44 | 171.83 | 0.00013 | -154.86 | 170.41 | 0.00013 |
| -156.27 | 169.00 | 0.00013 | -169.00 | 156.27 | 0.00014 |
| -170.41 | 154.86 | 0.00014 | -171.83 | 153.44 | 0.00014 |
| -173.24 | 152.03 | 0.00014 | -174.66 | 150.61 | 0.00014 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3

\*\*\*

INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -176.78     | 148.49      | 0.00014 | -180.31     | 144.96      | 0.00013 |
| -183.85     | 141.42      | 0.00013 | -190.92     | 134.35      | 0.00013 |
| -197.99     | 127.28      | 0.00012 | -205.06     | 120.21      | 0.00011 |
| -212.13     | 113.14      | 0.00011 | -219.20     | 106.07      | 0.00011 |
| -226.27     | 99.00       | 0.00011 | -233.35     | 91.92       | 0.00011 |
| -84.85      | 226.27      | 0.00007 | -91.92      | 219.20      | 0.00008 |
| -98.99      | 212.13      | 0.00008 | -106.07     | 205.06      | 0.00009 |
| -113.14     | 197.99      | 0.00010 | -120.21     | 190.92      | 0.00011 |
| -127.28     | 183.85      | 0.00011 | -134.35     | 176.78      | 0.00012 |
| -137.89     | 173.24      | 0.00013 | -141.42     | 169.71      | 0.00013 |
| -143.54     | 167.58      | 0.00014 | -144.96     | 166.17      | 0.00014 |
| -146.37     | 164.76      | 0.00014 | -147.79     | 163.34      | 0.00014 |
| -149.20     | 161.93      | 0.00014 | -161.93     | 149.20      | 0.00015 |
| -163.34     | 147.79      | 0.00015 | -164.76     | 146.37      | 0.00015 |
| -166.17     | 144.96      | 0.00015 | -167.58     | 143.54      | 0.00015 |
| -169.71     | 141.42      | 0.00015 | -173.24     | 137.89      | 0.00014 |
| -176.78     | 134.35      | 0.00014 | -183.85     | 127.28      | 0.00013 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -190.92 | 120.21 | 0.00013 | -197.99 | 113.14 | 0.00012 |
| -205.06 | 106.07 | 0.00012 | -212.13 | 99.00  | 0.00012 |
| -219.20 | 91.92  | 0.00012 | -226.27 | 84.85  | 0.00011 |
| -77.78  | 219.20 | 0.00007 | -84.85  | 212.13 | 0.00008 |
| -91.92  | 205.06 | 0.00009 | -98.99  | 197.99 | 0.00010 |
| -106.07 | 190.92 | 0.00011 | -113.14 | 183.85 | 0.00011 |
| -120.21 | 176.78 | 0.00012 | -127.28 | 169.71 | 0.00013 |
| -130.81 | 166.17 | 0.00014 | -134.35 | 162.63 | 0.00015 |
| -136.47 | 160.51 | 0.00015 | -137.89 | 159.10 | 0.00015 |
| -139.30 | 157.68 | 0.00015 | -140.71 | 156.27 | 0.00015 |
| -142.13 | 154.86 | 0.00016 | -154.86 | 142.13 | 0.00016 |
| -156.27 | 140.71 | 0.00016 | -157.68 | 139.30 | 0.00016 |
| -159.10 | 137.89 | 0.00016 | -160.51 | 136.47 | 0.00016 |
| -162.63 | 134.35 | 0.00016 | -166.17 | 130.81 | 0.00016 |
| -169.71 | 127.28 | 0.00015 | -176.78 | 120.21 | 0.00015 |
| -183.85 | 113.14 | 0.00014 | -190.92 | 106.07 | 0.00013 |
| -197.99 | 99.00  | 0.00013 | -205.06 | 91.92  | 0.00013 |
| -212.13 | 84.85  | 0.00013 | -219.20 | 77.78  | 0.00012 |
| -70.71  | 212.13 | 0.00007 | -77.78  | 205.06 | 0.00008 |
| -84.85  | 197.99 | 0.00009 | -91.92  | 190.92 | 0.00010 |
| -98.99  | 183.85 | 0.00011 | -106.07 | 176.78 | 0.00012 |
| -113.14 | 169.71 | 0.00013 | -120.21 | 162.63 | 0.00015 |
| -123.74 | 159.10 | 0.00015 | -127.28 | 155.56 | 0.00016 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTS:  
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CONC      URBAN FLAT    FLGPOL    DFAULT

\*\*\*      \*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S3  
 \*\*\*      INCLUDING SOURCE(S):      NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER      IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40     | 153.44      | 0.00016 | -130.81     | 152.03      | 0.00016 |
| -132.23     | 150.61      | 0.00017 | -133.64     | 149.20      | 0.00017 |
| -135.06     | 147.79      | 0.00017 | -147.79     | 135.06      | 0.00018 |
| -149.20     | 133.64      | 0.00018 | -150.61     | 132.23      | 0.00018 |
| -152.03     | 130.81      | 0.00018 | -153.44     | 129.40      | 0.00018 |
| -155.56     | 127.28      | 0.00018 | -159.10     | 123.74      | 0.00017 |
| -162.63     | 120.21      | 0.00017 | -169.71     | 113.14      | 0.00016 |
| -176.78     | 106.07      | 0.00015 | -183.85     | 98.99       | 0.00015 |
| -190.92     | 91.92       | 0.00014 | -197.99     | 84.85       | 0.00014 |
| -205.06     | 77.78       | 0.00014 | -212.13     | 70.71       | 0.00013 |
| -63.64      | 205.06      | 0.00007 | -70.71      | 197.99      | 0.00008 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -77.78  | 190.92 | 0.00010 | -84.85  | 183.85 | 0.00011 |
| -91.92  | 176.78 | 0.00012 | -98.99  | 169.71 | 0.00013 |
| -106.07 | 162.63 | 0.00014 | -113.14 | 155.56 | 0.00016 |
| -116.67 | 152.03 | 0.00017 | -120.21 | 148.49 | 0.00017 |
| -122.33 | 146.37 | 0.00018 | -123.74 | 144.96 | 0.00018 |
| -125.16 | 143.54 | 0.00018 | -126.57 | 142.13 | 0.00019 |
| -127.99 | 140.71 | 0.00019 | -140.71 | 127.99 | 0.00020 |
| -142.13 | 126.57 | 0.00020 | -143.54 | 125.16 | 0.00020 |
| -144.96 | 123.74 | 0.00020 | -146.37 | 122.33 | 0.00020 |
| -148.49 | 120.21 | 0.00019 | -152.03 | 116.67 | 0.00019 |
| -155.56 | 113.14 | 0.00018 | -162.63 | 106.07 | 0.00017 |
| -169.71 | 98.99  | 0.00016 | -176.78 | 91.92  | 0.00016 |
| -183.85 | 84.85  | 0.00016 | -190.92 | 77.78  | 0.00015 |
| -197.99 | 70.71  | 0.00015 | -205.06 | 63.64  | 0.00014 |
| -56.57  | 197.99 | 0.00008 | -63.64  | 190.92 | 0.00009 |
| -70.71  | 183.85 | 0.00010 | -77.78  | 176.78 | 0.00011 |
| -84.85  | 169.71 | 0.00013 | -91.92  | 162.63 | 0.00014 |
| -98.99  | 155.56 | 0.00016 | -106.07 | 148.49 | 0.00017 |
| -109.60 | 144.96 | 0.00018 | -113.14 | 141.42 | 0.00019 |
| -115.26 | 139.30 | 0.00020 | -116.67 | 137.89 | 0.00020 |
| -118.09 | 136.47 | 0.00020 | -119.50 | 135.06 | 0.00021 |
| -120.92 | 133.64 | 0.00021 | -133.64 | 120.92 | 0.00022 |
| -135.06 | 119.50 | 0.00022 | -136.47 | 118.09 | 0.00022 |
| -137.89 | 116.67 | 0.00022 | -139.30 | 115.26 | 0.00022 |
| -141.42 | 113.14 | 0.00021 | -144.96 | 109.60 | 0.00021 |
| -148.49 | 106.07 | 0.00020 | -155.56 | 98.99  | 0.00019 |
| -162.63 | 91.92  | 0.00018 | -169.71 | 84.85  | 0.00018 |
| -176.78 | 77.78  | 0.00017 | -183.85 | 70.71  | 0.00017 |
| -190.92 | 63.64  | 0.00016 | -197.99 | 56.57  | 0.00015 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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 \*\*MODELOPTS:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3 \*\*\*

INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -49.50      | 190.92      | 0.00008 | -56.57      | 183.85      | 0.00009 |
| -63.64      | 176.78      | 0.00010 | -70.71      | 169.71      | 0.00012 |
| -77.78      | 162.63      | 0.00014 | -84.85      | 155.56      | 0.00015 |
| -91.92      | 148.49      | 0.00017 | -98.99      | 141.42      | 0.00019 |
| -102.53     | 137.89      | 0.00020 | -106.07     | 134.35      | 0.00021 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -108.19 | 132.23 | 0.00022 | -109.60 | 130.81 | 0.00022 |
| -111.02 | 129.40 | 0.00022 | -112.43 | 127.99 | 0.00023 |
| -113.84 | 126.57 | 0.00023 | -126.57 | 113.84 | 0.00025 |
| -127.99 | 112.43 | 0.00024 | -129.40 | 111.02 | 0.00024 |
| -130.81 | 109.60 | 0.00024 | -132.23 | 108.19 | 0.00024 |
| -134.35 | 106.07 | 0.00024 | -137.89 | 102.53 | 0.00023 |
| -141.42 | 98.99  | 0.00022 | -148.49 | 91.92  | 0.00021 |
| -155.56 | 84.85  | 0.00020 | -162.63 | 77.78  | 0.00019 |
| -169.71 | 70.71  | 0.00019 | -176.78 | 63.64  | 0.00018 |
| -183.85 | 56.57  | 0.00017 | -190.92 | 49.50  | 0.00015 |
| -42.43  | 183.85 | 0.00008 | -49.50  | 176.78 | 0.00009 |
| -56.57  | 169.71 | 0.00011 | -63.64  | 162.63 | 0.00013 |
| -70.71  | 155.56 | 0.00015 | -77.78  | 148.49 | 0.00017 |
| -84.85  | 141.42 | 0.00019 | -91.92  | 134.35 | 0.00021 |
| -95.46  | 130.81 | 0.00022 | -98.99  | 127.28 | 0.00023 |
| -101.12 | 125.16 | 0.00024 | -102.53 | 123.74 | 0.00025 |
| -103.94 | 122.33 | 0.00025 | -105.36 | 120.92 | 0.00025 |
| -106.77 | 119.50 | 0.00026 | -119.50 | 106.77 | 0.00028 |
| -120.92 | 105.36 | 0.00027 | -122.33 | 103.94 | 0.00027 |
| -123.74 | 102.53 | 0.00027 | -125.16 | 101.12 | 0.00027 |
| -127.28 | 98.99  | 0.00026 | -130.81 | 95.46  | 0.00025 |
| -134.35 | 91.92  | 0.00024 | -141.42 | 84.85  | 0.00023 |
| -148.49 | 77.78  | 0.00022 | -155.56 | 70.71  | 0.00021 |
| -162.63 | 63.64  | 0.00021 | -169.71 | 56.57  | 0.00019 |
| -176.78 | 49.50  | 0.00018 | -183.85 | 42.43  | 0.00016 |
| -35.36  | 176.78 | 0.00008 | -42.43  | 169.71 | 0.00010 |
| -49.50  | 162.63 | 0.00011 | -56.57  | 155.56 | 0.00013 |
| -63.64  | 148.49 | 0.00016 | -70.71  | 141.42 | 0.00018 |
| -77.78  | 134.35 | 0.00021 | -84.85  | 127.28 | 0.00023 |
| -88.39  | 123.74 | 0.00025 | -91.92  | 120.21 | 0.00026 |
| -94.05  | 118.09 | 0.00027 | -95.46  | 116.67 | 0.00027 |
| -96.87  | 115.26 | 0.00028 | -98.29  | 113.84 | 0.00029 |
| -99.70  | 112.43 | 0.00029 | -112.43 | 99.70  | 0.00031 |
| -113.84 | 98.29  | 0.00031 | -115.26 | 96.87  | 0.00031 |
| -116.67 | 95.46  | 0.00030 | -118.09 | 94.05  | 0.00030 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*  
 15:49:41  
 \*\*MODELOPTS:  
 PAGE 67  
 CONC      URBAN FLAT    FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S3  
 \*\*\*  
 INCLUDING SOURCE(S):      NCRA\_S3 ,  
                                  \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*  
                                  \*\* CONC OF OTHER      IN MICROGRAMS/M\*\*3      \*\*

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound  
CONC

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -120.21     | 91.92       | 0.00029 | -123.74     | 88.39       | 0.00028 |
| -127.28     | 84.85       | 0.00027 | -134.35     | 77.78       | 0.00026 |
| -141.42     | 70.71       | 0.00025 | -148.49     | 63.64       | 0.00024 |
| -155.56     | 56.57       | 0.00023 | -162.63     | 49.50       | 0.00021 |
| -169.71     | 42.43       | 0.00019 | -176.78     | 35.36       | 0.00017 |
| -28.28      | 169.71      | 0.00008 | -35.36      | 162.63      | 0.00010 |
| -42.43      | 155.56      | 0.00012 | -49.50      | 148.49      | 0.00014 |
| -56.57      | 141.42      | 0.00017 | -63.64      | 134.35      | 0.00020 |
| -70.71      | 127.28      | 0.00023 | -77.78      | 120.21      | 0.00026 |
| -81.32      | 116.67      | 0.00028 | -84.85      | 113.14      | 0.00029 |
| -86.97      | 111.02      | 0.00030 | -88.39      | 109.60      | 0.00031 |
| -89.80      | 108.19      | 0.00032 | -91.22      | 106.77      | 0.00032 |
| -92.63      | 105.36      | 0.00033 | -105.36     | 92.63       | 0.00035 |
| -106.77     | 91.22       | 0.00035 | -108.19     | 89.80       | 0.00035 |
| -109.60     | 88.39       | 0.00034 | -111.02     | 86.97       | 0.00034 |
| -113.14     | 84.85       | 0.00033 | -116.67     | 81.32       | 0.00032 |
| -120.21     | 77.78       | 0.00031 | -127.28     | 70.71       | 0.00029 |
| -134.35     | 63.64       | 0.00028 | -141.42     | 56.57       | 0.00026 |
| -148.49     | 49.50       | 0.00025 | -155.56     | 42.43       | 0.00022 |
| -162.63     | 35.36       | 0.00020 | -169.71     | 28.28       | 0.00018 |
| -21.21      | 162.63      | 0.00008 | -28.28      | 155.56      | 0.00010 |
| -35.36      | 148.49      | 0.00012 | -42.43      | 141.42      | 0.00014 |
| -49.50      | 134.35      | 0.00017 | -56.57      | 127.28      | 0.00021 |
| -63.64      | 120.21      | 0.00025 | -70.71      | 113.14      | 0.00029 |
| -74.25      | 109.60      | 0.00031 | -77.78      | 106.07      | 0.00033 |
| -79.90      | 103.94      | 0.00034 | -81.32      | 102.53      | 0.00035 |
| -82.73      | 101.12      | 0.00036 | -84.15      | 99.70       | 0.00037 |
| -85.56      | 98.29       | 0.00038 | -98.29      | 85.56       | 0.00041 |
| -99.70      | 84.15       | 0.00040 | -101.12     | 82.73       | 0.00040 |
| -102.53     | 81.32       | 0.00039 | -103.94     | 79.90       | 0.00038 |
| -106.07     | 77.78       | 0.00037 | -109.60     | 74.25       | 0.00036 |
| -113.14     | 70.71       | 0.00035 | -120.21     | 63.64       | 0.00033 |
| -127.28     | 56.57       | 0.00031 | -134.35     | 49.50       | 0.00029 |
| -141.42     | 42.43       | 0.00026 | -148.49     | 35.36       | 0.00024 |
| -155.56     | 28.28       | 0.00021 | -162.63     | 21.21       | 0.00018 |
| -14.14      | 155.56      | 0.00009 | -21.21      | 148.49      | 0.00010 |
| -28.28      | 141.42      | 0.00012 | -35.36      | 134.35      | 0.00015 |
| -42.43      | 127.28      | 0.00018 | -49.50      | 120.21      | 0.00022 |
| -56.57      | 113.14      | 0.00027 | -63.64      | 106.07      | 0.00032 |
| -67.18      | 102.53      | 0.00035 | -70.71      | 98.99       | 0.00038 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

15:49:41  
\*\*MODELOPTS:

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -72.83      | 96.87       | 0.00039 | -74.25      | 95.46       | 0.00040 |
| -75.66      | 94.05       | 0.00042 | -77.07      | 92.63       | 0.00043 |
| -78.49      | 91.22       | 0.00044 | -91.22      | 78.49       | 0.00047 |
| -92.63      | 77.07       | 0.00046 | -94.05      | 75.66       | 0.00046 |
| -95.46      | 74.25       | 0.00045 | -96.87      | 72.83       | 0.00044 |
| -98.99      | 70.71       | 0.00043 | -102.53     | 67.18       | 0.00041 |
| -106.07     | 63.64       | 0.00040 | -113.14     | 56.57       | 0.00038 |
| -120.21     | 49.50       | 0.00035 | -127.28     | 42.43       | 0.00032 |
| -134.35     | 35.36       | 0.00028 | -141.42     | 28.28       | 0.00025 |
| -148.49     | 21.21       | 0.00022 | -155.56     | 14.14       | 0.00019 |
| -7.07       | 148.49      | 0.00009 | -14.14      | 141.42      | 0.00010 |
| -21.21      | 134.35      | 0.00012 | -28.28      | 127.28      | 0.00015 |
| -35.36      | 120.21      | 0.00019 | -42.43      | 113.14      | 0.00024 |
| -49.50      | 106.07      | 0.00030 | -56.57      | 98.99       | 0.00036 |
| -60.10      | 95.46       | 0.00040 | -63.64      | 91.92       | 0.00043 |
| -65.76      | 89.80       | 0.00045 | -67.18      | 88.39       | 0.00047 |
| -68.59      | 86.97       | 0.00048 | -70.00      | 85.56       | 0.00050 |
| -71.42      | 84.15       | 0.00051 | -84.15      | 71.42       | 0.00055 |
| -85.56      | 70.00       | 0.00054 | -86.97      | 68.59       | 0.00053 |
| -88.39      | 67.18       | 0.00052 | -89.80      | 65.76       | 0.00051 |
| -91.92      | 63.64       | 0.00049 | -95.46      | 60.10       | 0.00047 |
| -98.99      | 56.57       | 0.00046 | -106.07     | 49.50       | 0.00043 |
| -113.14     | 42.43       | 0.00039 | -120.21     | 35.36       | 0.00035 |
| -127.28     | 28.28       | 0.00030 | -134.35     | 21.21       | 0.00026 |
| -141.42     | 14.14       | 0.00023 | -148.49     | 7.07        | 0.00020 |
| 0.00        | 141.42      | 0.00009 | -7.07       | 134.35      | 0.00010 |
| -14.14      | 127.28      | 0.00013 | -21.21      | 120.21      | 0.00016 |
| -28.28      | 113.14      | 0.00020 | -35.36      | 106.07      | 0.00025 |
| -42.43      | 98.99       | 0.00032 | -49.50      | 91.92       | 0.00041 |
| -53.03      | 88.39       | 0.00045 | -56.57      | 84.85       | 0.00050 |
| -58.69      | 82.73       | 0.00053 | -60.10      | 81.32       | 0.00055 |
| -61.52      | 79.90       | 0.00057 | -62.93      | 78.49       | 0.00058 |
| -64.35      | 77.07       | 0.00060 | -77.07      | 64.35       | 0.00065 |
| -78.49      | 62.93       | 0.00063 | -79.90      | 61.52       | 0.00062 |
| -81.32      | 60.10       | 0.00061 | -82.73      | 58.69       | 0.00059 |
| -84.85      | 56.57       | 0.00058 | -88.39      | 53.03       | 0.00055 |
| -91.92      | 49.50       | 0.00053 | -98.99      | 42.43       | 0.00049 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |       |         |         |       |         |
|---------|-------|---------|---------|-------|---------|
| -106.07 | 35.36 | 0.00043 | -113.14 | 28.28 | 0.00037 |
| -120.21 | 21.21 | 0.00032 | -127.28 | 14.14 | 0.00028 |
| -134.35 | 7.07  | 0.00024 | -141.42 | 0.00  | 0.00021 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S3  
 \*\*\* INCLUDING SOURCE(S):            NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER            IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 7.07        | 134.35      | 0.00009 | 0.00        | 127.28      | 0.00011 |
| -7.07       | 120.21      | 0.00013 | -14.14      | 113.14      | 0.00016 |
| -21.21      | 106.07      | 0.00020 | -28.28      | 98.99       | 0.00026 |
| -35.36      | 91.92       | 0.00034 | -42.43      | 84.85       | 0.00045 |
| -45.96      | 81.32       | 0.00051 | -49.50      | 77.78       | 0.00058 |
| -51.62      | 75.66       | 0.00062 | -53.03      | 74.25       | 0.00064 |
| -54.45      | 72.83       | 0.00067 | -55.86      | 71.42       | 0.00070 |
| -57.28      | 70.00       | 0.00072 | -70.00      | 57.28       | 0.00077 |
| -71.42      | 55.86       | 0.00075 | -72.83      | 54.45       | 0.00074 |
| -74.25      | 53.03       | 0.00072 | -75.66      | 51.62       | 0.00070 |
| -77.78      | 49.50       | 0.00068 | -81.32      | 45.96       | 0.00065 |
| -84.85      | 42.43       | 0.00062 | -91.92      | 35.36       | 0.00055 |
| -98.99      | 28.28       | 0.00047 | -106.07     | 21.21       | 0.00040 |
| -113.14     | 14.14       | 0.00034 | -120.21     | 7.07        | 0.00029 |
| -127.28     | 0.00        | 0.00025 | -134.35     | -7.07       | 0.00022 |
| 14.14       | 127.28      | 0.00009 | 7.07        | 120.21      | 0.00011 |
| 0.00        | 113.14      | 0.00013 | -7.07       | 106.07      | 0.00016 |
| -14.14      | 98.99       | 0.00021 | -21.21      | 91.92       | 0.00027 |
| -28.28      | 84.85       | 0.00036 | -35.36      | 77.78       | 0.00049 |
| -38.89      | 74.25       | 0.00057 | -42.43      | 70.71       | 0.00067 |
| -44.55      | 68.59       | 0.00072 | -45.96      | 67.18       | 0.00076 |
| -47.38      | 65.76       | 0.00080 | -48.79      | 64.35       | 0.00084 |
| -50.20      | 62.93       | 0.00088 | -62.93      | 50.20       | 0.00093 |
| -64.35      | 48.79       | 0.00091 | -65.76      | 47.38       | 0.00088 |
| -67.18      | 45.96       | 0.00086 | -68.59      | 44.55       | 0.00084 |
| -70.71      | 42.43       | 0.00081 | -74.25      | 38.89       | 0.00077 |
| -77.78      | 35.36       | 0.00071 | -84.85      | 28.28       | 0.00060 |
| -91.92      | 21.21       | 0.00051 | -98.99      | 14.14       | 0.00043 |
| -106.07     | 7.07        | 0.00036 | -113.14     | 0.00        | 0.00030 |
| -120.21     | -7.07       | 0.00026 | -127.28     | -14.14      | 0.00023 |
| 21.21       | 120.21      | 0.00010 | 14.14       | 113.14      | 0.00011 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |       |         |
|--------|--------|---------|--------|-------|---------|
| 7.07   | 106.07 | 0.00014 | 0.00   | 98.99 | 0.00017 |
| -7.07  | 91.92  | 0.00021 | -14.14 | 84.85 | 0.00028 |
| -21.21 | 77.78  | 0.00038 | -28.28 | 70.71 | 0.00052 |
| -31.82 | 67.18  | 0.00063 | -35.36 | 63.64 | 0.00075 |
| -37.48 | 61.52  | 0.00083 | -38.89 | 60.10 | 0.00089 |
| -40.31 | 58.69  | 0.00095 | -41.72 | 57.28 | 0.00101 |
| -43.13 | 55.86  | 0.00107 | -55.86 | 43.13 | 0.00114 |
| -57.28 | 41.72  | 0.00110 | -58.69 | 40.31 | 0.00107 |
| -60.10 | 38.89  | 0.00104 | -61.52 | 37.48 | 0.00101 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41

\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3

\*\*\*

INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -63.64      | 35.36       | 0.00096 | -67.18      | 31.82       | 0.00087 |
| -70.71      | 28.28       | 0.00079 | -77.78      | 21.21       | 0.00066 |
| -84.85      | 14.14       | 0.00054 | -91.92      | 7.07        | 0.00045 |
| -98.99      | 0.00        | 0.00037 | -106.07     | -7.07       | 0.00032 |
| -113.14     | -14.14      | 0.00027 | -120.21     | -21.21      | 0.00023 |
| 28.28       | 113.14      | 0.00010 | 21.21       | 106.07      | 0.00012 |
| 14.14       | 98.99       | 0.00014 | 7.07        | 91.92       | 0.00018 |
| 0.00        | 84.85       | 0.00022 | -7.07       | 77.78       | 0.00029 |
| -14.14      | 70.71       | 0.00039 | -21.21      | 63.64       | 0.00055 |
| -24.75      | 60.10       | 0.00067 | -28.28      | 56.57       | 0.00081 |
| -30.41      | 54.45       | 0.00093 | -31.82      | 53.03       | 0.00101 |
| -33.23      | 51.62       | 0.00110 | -34.65      | 50.20       | 0.00120 |
| -36.06      | 48.79       | 0.00129 | -48.79      | 36.06       | 0.00140 |
| -50.20      | 34.65       | 0.00134 | -51.62      | 33.23       | 0.00128 |
| -53.03      | 31.82       | 0.00122 | -54.45      | 30.41       | 0.00116 |
| -56.57      | 28.28       | 0.00108 | -60.10      | 24.75       | 0.00097 |
| -63.64      | 21.21       | 0.00087 | -70.71      | 14.14       | 0.00071 |
| -77.78      | 7.07        | 0.00057 | -84.85      | 0.00        | 0.00047 |
| -91.92      | -7.07       | 0.00039 | -98.99      | -14.14      | 0.00033 |
| -106.07     | -21.21      | 0.00028 | -113.14     | -28.28      | 0.00024 |
| 35.36       | 106.07      | 0.00011 | 28.28       | 98.99       | 0.00013 |
| 21.21       | 91.92       | 0.00015 | 14.14       | 84.85       | 0.00019 |
| 7.07        | 77.78       | 0.00023 | 0.00        | 70.71       | 0.00030 |
| -7.07       | 63.64       | 0.00041 | -14.14      | 56.57       | 0.00058 |
| -17.68      | 53.03       | 0.00071 | -21.21      | 49.50       | 0.00087 |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |         |        |         |
|--------|--------|---------|---------|--------|---------|
| -23.33 | 47.38  | 0.00100 | -24.75  | 45.96  | 0.00109 |
| -26.16 | 44.55  | 0.00120 | -27.58  | 43.13  | 0.00134 |
| -28.99 | 41.72  | 0.00148 | -41.72  | 28.99  | 0.00165 |
| -43.13 | 27.58  | 0.00154 | -44.55  | 26.16  | 0.00144 |
| -45.96 | 24.75  | 0.00135 | -47.38  | 23.33  | 0.00128 |
| -49.50 | 21.21  | 0.00118 | -53.03  | 17.68  | 0.00104 |
| -56.57 | 14.14  | 0.00093 | -63.64  | 7.07   | 0.00074 |
| -70.71 | 0.00   | 0.00060 | -77.78  | -7.07  | 0.00049 |
| -84.85 | -14.14 | 0.00040 | -91.92  | -21.21 | 0.00034 |
| -98.99 | -28.28 | 0.00029 | -106.07 | -35.36 | 0.00025 |
| 42.43  | 98.99  | 0.00012 | 35.36   | 91.92  | 0.00014 |
| 28.28  | 84.85  | 0.00016 | 21.21   | 77.78  | 0.00020 |
| 14.14  | 70.71  | 0.00025 | 7.07    | 63.64  | 0.00033 |
| 0.00   | 56.57  | 0.00045 | -7.07   | 49.50  | 0.00064 |
| -10.61 | 45.96  | 0.00078 | -14.14  | 42.43  | 0.00097 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41

\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3

\*\*\*

INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -16.26      | 40.31       | 0.00112 | -17.68      | 38.89       | 0.00123 |
| -19.09      | 37.48       | 0.00137 | -20.51      | 36.06       | 0.00154 |
| -21.92      | 34.65       | 0.00177 | -34.65      | 21.92       | 0.00190 |
| -36.06      | 20.51       | 0.00172 | -37.48      | 19.09       | 0.00159 |
| -38.89      | 17.68       | 0.00148 | -40.31      | 16.26       | 0.00139 |
| -42.43      | 14.14       | 0.00127 | -45.96      | 10.61       | 0.00111 |
| -49.50      | 7.07        | 0.00098 | -56.57      | 0.00        | 0.00078 |
| -63.64      | -7.07       | 0.00062 | -70.71      | -14.14      | 0.00050 |
| -77.78      | -21.21      | 0.00041 | -84.85      | -28.28      | 0.00035 |
| -91.92      | -35.36      | 0.00030 | -98.99      | -42.43      | 0.00026 |
| 49.50       | 91.92       | 0.00013 | 42.43       | 84.85       | 0.00015 |
| 35.36       | 77.78       | 0.00018 | 28.28       | 70.71       | 0.00022 |
| 21.21       | 63.64       | 0.00028 | 14.14       | 56.57       | 0.00036 |
| 7.07        | 49.50       | 0.00050 | 0.00        | 42.43       | 0.00074 |
| -3.54       | 38.89       | 0.00094 | -7.07       | 35.36       | 0.00124 |
| -9.19       | 33.23       | 0.00150 | -10.61      | 31.82       | 0.00173 |
| -12.02      | 30.41       | 0.00202 | -13.44      | 28.99       | 0.00241 |
| -14.85      | 27.58       | 0.00295 | -27.58      | 14.85       | 0.00255 |
| -28.99      | 13.44       | 0.00219 | -30.41      | 12.02       | 0.00194 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -31.82 | 10.61  | 0.00175 | -33.23 | 9.19   | 0.00161 |
| -35.36 | 7.07   | 0.00144 | -38.89 | 3.54   | 0.00123 |
| -42.43 | 0.00   | 0.00107 | -49.50 | -7.07  | 0.00083 |
| -56.57 | -14.14 | 0.00065 | -63.64 | -21.21 | 0.00053 |
| -70.71 | -28.28 | 0.00043 | -77.78 | -35.36 | 0.00036 |
| -84.85 | -42.43 | 0.00031 | -91.92 | -49.50 | 0.00026 |
| 56.57  | 84.85  | 0.00014 | 49.50  | 77.78  | 0.00016 |
| 42.43  | 70.71  | 0.00020 | 35.36  | 63.64  | 0.00024 |
| 28.28  | 56.57  | 0.00031 | 21.21  | 49.50  | 0.00041 |
| 14.14  | 42.43  | 0.00059 | 7.07   | 35.36  | 0.00095 |
| 3.54   | 31.82  | 0.00126 | 0.00   | 28.28  | 0.00177 |
| -2.12  | 26.16  | 0.00221 | -3.54  | 24.75  | 0.00258 |
| -4.95  | 23.33  | 0.00304 | -6.36  | 21.92  | 0.00360 |
| -7.78  | 20.51  | 0.00431 | -20.51 | 7.78   | 0.00337 |
| -21.92 | 6.36   | 0.00287 | -23.33 | 4.95   | 0.00250 |
| -24.75 | 3.54   | 0.00222 | -26.16 | 2.12   | 0.00199 |
| -28.28 | 0.00   | 0.00173 | -31.82 | -3.54  | 0.00142 |
| -35.36 | -7.07  | 0.00120 | -42.43 | -14.14 | 0.00090 |
| -49.50 | -21.21 | 0.00070 | -56.57 | -28.28 | 0.00056 |
| -63.64 | -35.36 | 0.00046 | -70.71 | -42.43 | 0.00039 |
| -77.78 | -49.50 | 0.00032 | -84.85 | -56.57 | 0.00028 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 63.64       | 77.78       | 0.00015 | 56.57       | 70.71       | 0.00018 |
| 49.50       | 63.64       | 0.00022 | 42.43       | 56.57       | 0.00027 |
| 35.36       | 49.50       | 0.00036 | 28.28       | 42.43       | 0.00050 |
| 21.21       | 35.36       | 0.00075 | 14.14       | 28.28       | 0.00125 |
| 10.61       | 24.75       | 0.00171 | 7.07        | 21.21       | 0.00239 |
| 4.95        | 19.09       | 0.00296 | 3.54        | 17.68       | 0.00342 |
| 2.12        | 16.26       | 0.00398 | 0.71        | 14.85       | 0.00463 |
| -0.71       | 13.44       | 0.00542 | -13.44      | 0.71        | 0.00412 |
| -14.85      | -0.71       | 0.00353 | -16.26      | -2.12       | 0.00308 |
| -17.68      | -3.54       | 0.00273 | -19.09      | -4.95       | 0.00244 |
| -21.21      | -7.07       | 0.00210 | -24.75      | -10.61      | 0.00167 |
| -28.28      | -14.14      | 0.00137 | -35.36      | -21.21      | 0.00099 |
| -42.43      | -28.28      | 0.00076 | -49.50      | -35.36      | 0.00061 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -56.57 | -42.43 | 0.00049 | -63.64 | -49.50 | 0.00041 |
| -70.71 | -56.57 | 0.00034 | -77.78 | -63.64 | 0.00029 |
| 70.71  | 70.71  | 0.00016 | 63.64  | 63.64  | 0.00020 |
| 56.57  | 56.57  | 0.00025 | 49.50  | 49.50  | 0.00032 |
| 42.43  | 42.43  | 0.00043 | 35.36  | 35.36  | 0.00061 |
| 28.28  | 28.28  | 0.00095 | 21.21  | 21.21  | 0.00161 |
| 17.68  | 17.68  | 0.00217 | 14.14  | 14.14  | 0.00297 |
| 12.02  | 12.02  | 0.00361 | 10.61  | 10.61  | 0.00412 |
| 9.19   | 9.19   | 0.00472 | 7.78   | 7.78   | 0.00543 |
| 6.36   | 6.36   | 0.00627 | -6.36  | -6.36  | 0.00473 |
| -7.78  | -7.78  | 0.00408 | -9.19  | -9.19  | 0.00358 |
| -10.61 | -10.61 | 0.00317 | -12.02 | -12.02 | 0.00284 |
| -14.14 | -14.14 | 0.00244 | -17.68 | -17.68 | 0.00194 |
| -21.21 | -21.21 | 0.00157 | -28.28 | -28.28 | 0.00111 |
| -35.36 | -35.36 | 0.00083 | -42.43 | -42.43 | 0.00065 |
| -49.50 | -49.50 | 0.00053 | -56.57 | -56.57 | 0.00043 |
| -63.64 | -63.64 | 0.00036 | -70.71 | -70.71 | 0.00030 |
| 77.78  | 63.64  | 0.00018 | 70.71  | 56.57  | 0.00022 |
| 63.64  | 49.50  | 0.00028 | 56.57  | 42.43  | 0.00038 |
| 49.50  | 35.36  | 0.00052 | 42.43  | 28.28  | 0.00076 |
| 35.36  | 21.21  | 0.00118 | 28.28  | 14.14  | 0.00196 |
| 24.75  | 10.61  | 0.00258 | 21.21  | 7.07   | 0.00345 |
| 19.09  | 4.95   | 0.00412 | 17.68  | 3.54   | 0.00466 |
| 16.26  | 2.12   | 0.00529 | 14.85  | 0.71   | 0.00601 |
| 13.44  | -0.71  | 0.00687 | 0.71   | -13.44 | 0.00519 |
| -0.71  | -14.85 | 0.00450 | -2.12  | -16.26 | 0.00397 |
| -3.54  | -17.68 | 0.00353 | -4.95  | -19.09 | 0.00316 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -7.07       | -21.21      | 0.00272 | -10.61      | -24.75      | 0.00216 |
| -14.14      | -28.28      | 0.00177 | -21.21      | -35.36      | 0.00124 |
| -28.28      | -42.43      | 0.00092 | -35.36      | -49.50      | 0.00071 |
| -42.43      | -56.57      | 0.00056 | -49.50      | -63.64      | 0.00046 |
| -56.57      | -70.71      | 0.00038 | -63.64      | -77.78      | 0.00032 |
| 84.85       | 56.57       | 0.00020 | 77.78       | 49.50       | 0.00025 |
| 70.71       | 42.43       | 0.00033 | 63.64       | 35.36       | 0.00044 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 56.57  | 28.28  | 0.00062 | 49.50  | 21.21  | 0.00091 |
| 42.43  | 14.14  | 0.00142 | 35.36  | 7.07   | 0.00228 |
| 31.82  | 3.54   | 0.00294 | 28.28  | 0.00   | 0.00384 |
| 26.16  | -2.12  | 0.00453 | 24.75  | -3.54  | 0.00508 |
| 23.33  | -4.95  | 0.00570 | 21.92  | -6.36  | 0.00642 |
| 20.51  | -7.78  | 0.00727 | 7.78   | -20.51 | 0.00548 |
| 6.36   | -21.92 | 0.00478 | 4.95   | -23.33 | 0.00423 |
| 3.54   | -24.75 | 0.00377 | 2.12   | -26.16 | 0.00339 |
| 0.00   | -28.28 | 0.00293 | -3.54  | -31.82 | 0.00236 |
| -7.07  | -35.36 | 0.00195 | -14.14 | -42.43 | 0.00138 |
| -21.21 | -49.50 | 0.00101 | -28.28 | -56.57 | 0.00077 |
| -35.36 | -63.64 | 0.00060 | -42.43 | -70.71 | 0.00049 |
| -49.50 | -77.78 | 0.00040 | -56.57 | -84.85 | 0.00034 |
| 91.92  | 49.50  | 0.00023 | 84.85  | 42.43  | 0.00029 |
| 77.78  | 35.36  | 0.00038 | 70.71  | 28.28  | 0.00052 |
| 63.64  | 21.21  | 0.00073 | 56.57  | 14.14  | 0.00107 |
| 49.50  | 7.07   | 0.00163 | 42.43  | 0.00   | 0.00256 |
| 38.89  | -3.54  | 0.00325 | 35.36  | -7.07  | 0.00417 |
| 33.23  | -9.19  | 0.00486 | 31.82  | -10.61 | 0.00540 |
| 30.41  | -12.02 | 0.00600 | 28.99  | -13.44 | 0.00670 |
| 27.58  | -14.85 | 0.00752 | 14.85  | -27.58 | 0.00563 |
| 13.44  | -28.99 | 0.00493 | 12.02  | -30.41 | 0.00439 |
| 10.61  | -31.82 | 0.00394 | 9.19   | -33.23 | 0.00357 |
| 7.07   | -35.36 | 0.00311 | 3.54   | -38.89 | 0.00253 |
| 0.00   | -42.43 | 0.00210 | -7.07  | -49.50 | 0.00150 |
| -14.14 | -56.57 | 0.00111 | -21.21 | -63.64 | 0.00084 |
| -28.28 | -70.71 | 0.00065 | -35.36 | -77.78 | 0.00052 |
| -42.43 | -84.85 | 0.00043 | -49.50 | -91.92 | 0.00036 |
| 98.99  | 42.43  | 0.00026 | 91.92  | 35.36  | 0.00033 |
| 84.85  | 28.28  | 0.00044 | 77.78  | 21.21  | 0.00059 |
| 70.71  | 14.14  | 0.00084 | 63.64  | 7.07   | 0.00122 |
| 56.57  | 0.00   | 0.00182 | 49.50  | -7.07  | 0.00279 |
| 45.96  | -10.61 | 0.00351 | 42.43  | -14.14 | 0.00444 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08  
 \*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.31       | -16.26      | 0.00513 | 38.89       | -17.68      | 0.00567 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 37.48  | -19.09  | 0.00626 | 36.06  | -20.51  | 0.00694 |
| 34.65  | -21.92  | 0.00770 | 21.92  | -34.65  | 0.00570 |
| 20.51  | -36.06  | 0.00504 | 19.09  | -37.48  | 0.00452 |
| 17.68  | -38.89  | 0.00409 | 16.26  | -40.31  | 0.00373 |
| 14.14  | -42.43  | 0.00327 | 10.61  | -45.96  | 0.00268 |
| 7.07   | -49.50  | 0.00224 | 0.00   | -56.57  | 0.00161 |
| -7.07  | -63.64  | 0.00120 | -14.14 | -70.71  | 0.00091 |
| -21.21 | -77.78  | 0.00070 | -28.28 | -84.85  | 0.00056 |
| -35.36 | -91.92  | 0.00045 | -42.43 | -98.99  | 0.00038 |
| 106.07 | 35.36   | 0.00029 | 98.99  | 28.28   | 0.00037 |
| 91.92  | 21.21   | 0.00049 | 84.85  | 14.14   | 0.00067 |
| 77.78  | 7.07    | 0.00094 | 70.71  | 0.00    | 0.00135 |
| 63.64  | -7.07   | 0.00197 | 56.57  | -14.14  | 0.00296 |
| 53.03  | -17.68  | 0.00368 | 49.50  | -21.21  | 0.00460 |
| 47.38  | -23.33  | 0.00529 | 45.96  | -24.75  | 0.00581 |
| 44.55  | -26.16  | 0.00638 | 43.13  | -27.58  | 0.00702 |
| 41.72  | -28.99  | 0.00772 | 28.99  | -41.72  | 0.00570 |
| 27.58  | -43.13  | 0.00511 | 26.16  | -44.55  | 0.00461 |
| 24.75  | -45.96  | 0.00419 | 23.33  | -47.38  | 0.00384 |
| 21.21  | -49.50  | 0.00339 | 17.68  | -53.03  | 0.00280 |
| 14.14  | -56.57  | 0.00234 | 7.07   | -63.64  | 0.00170 |
| 0.00   | -70.71  | 0.00127 | -7.07  | -77.78  | 0.00097 |
| -14.14 | -84.85  | 0.00075 | -21.21 | -91.92  | 0.00060 |
| -28.28 | -98.99  | 0.00048 | -35.36 | -106.07 | 0.00040 |
| 113.14 | 28.28   | 0.00032 | 106.07 | 21.21   | 0.00041 |
| 98.99  | 14.14   | 0.00055 | 91.92  | 7.07    | 0.00075 |
| 84.85  | 0.00    | 0.00103 | 77.78  | -7.07   | 0.00145 |
| 70.71  | -14.14  | 0.00208 | 63.64  | -21.21  | 0.00305 |
| 60.10  | -24.75  | 0.00373 | 56.57  | -28.28  | 0.00456 |
| 54.45  | -30.41  | 0.00513 | 53.03  | -31.82  | 0.00554 |
| 51.62  | -33.23  | 0.00595 | 50.20  | -34.65  | 0.00637 |
| 48.79  | -36.06  | 0.00675 | 36.06  | -48.79  | 0.00520 |
| 34.65  | -50.20  | 0.00481 | 33.23  | -51.62  | 0.00444 |
| 31.82  | -53.03  | 0.00410 | 30.41  | -54.45  | 0.00379 |
| 28.28  | -56.57  | 0.00338 | 24.75  | -60.10  | 0.00283 |
| 21.21  | -63.64  | 0.00238 | 14.14  | -70.71  | 0.00175 |
| 7.07   | -77.78  | 0.00132 | 0.00   | -84.85  | 0.00102 |
| -7.07  | -91.92  | 0.00079 | -14.14 | -98.99  | 0.00063 |
| -21.21 | -106.07 | 0.00051 | -28.28 | -113.14 | 0.00042 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\*

INCLUDING SOURCE(S) : NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

| ** CONC OF OTHER |             |         | IN MICROGRAMS/M**3 |             |         |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M)      | Y-COORD (M) | CONC    | X-COORD (M)        | Y-COORD (M) | CONC    |
| 120.21           | 21.21       | 0.00035 | 113.14             | 14.14       | 0.00046 |
| 106.07           | 7.07        | 0.00060 | 98.99              | 0.00        | 0.00081 |
| 91.92            | -7.07       | 0.00111 | 84.85              | -14.14      | 0.00153 |
| 77.78            | -21.21      | 0.00213 | 70.71              | -28.28      | 0.00300 |
| 67.18            | -31.82      | 0.00356 | 63.64              | -35.36      | 0.00419 |
| 61.52            | -37.48      | 0.00459 | 60.10              | -38.89      | 0.00485 |
| 58.69            | -40.31      | 0.00510 | 57.28              | -41.72      | 0.00533 |
| 55.86            | -43.13      | 0.00553 | 43.13              | -55.86      | 0.00452 |
| 41.72            | -57.28      | 0.00425 | 40.31              | -58.69      | 0.00400 |
| 38.89            | -60.10      | 0.00375 | 37.48              | -61.52      | 0.00352 |
| 35.36            | -63.64      | 0.00321 | 31.82              | -67.18      | 0.00275 |
| 28.28            | -70.71      | 0.00236 | 21.21              | -77.78      | 0.00176 |
| 14.14            | -84.85      | 0.00134 | 7.07               | -91.92      | 0.00104 |
| 0.00             | -98.99      | 0.00082 | -7.07              | -106.07     | 0.00065 |
| -14.14           | -113.14     | 0.00053 | -21.21             | -120.21     | 0.00043 |
| 127.28           | 14.14       | 0.00039 | 120.21             | 7.07        | 0.00050 |
| 113.14           | 0.00        | 0.00065 | 106.07             | -7.07       | 0.00086 |
| 98.99            | -14.14      | 0.00115 | 91.92              | -21.21      | 0.00155 |
| 84.85            | -28.28      | 0.00209 | 77.78              | -35.36      | 0.00282 |
| 74.25            | -38.89      | 0.00324 | 70.71              | -42.43      | 0.00368 |
| 68.59            | -44.55      | 0.00395 | 67.18              | -45.96      | 0.00411 |
| 65.76            | -47.38      | 0.00427 | 64.35              | -48.79      | 0.00441 |
| 62.93            | -50.20      | 0.00452 | 50.20              | -62.93      | 0.00384 |
| 48.79            | -64.35      | 0.00367 | 47.38              | -65.76      | 0.00349 |
| 45.96            | -67.18      | 0.00332 | 44.55              | -68.59      | 0.00315 |
| 42.43            | -70.71      | 0.00291 | 38.89              | -74.25      | 0.00255 |
| 35.36            | -77.78      | 0.00224 | 28.28              | -84.85      | 0.00172 |
| 21.21            | -91.92      | 0.00134 | 14.14              | -98.99      | 0.00105 |
| 7.07             | -106.07     | 0.00083 | 0.00               | -113.14     | 0.00067 |
| -7.07            | -120.21     | 0.00054 | -14.14             | -127.28     | 0.00045 |
| 134.35           | 7.07        | 0.00042 | 127.28             | 0.00        | 0.00054 |
| 120.21           | -7.07       | 0.00069 | 113.14             | -14.14      | 0.00090 |
| 106.07           | -21.21      | 0.00117 | 98.99              | -28.28      | 0.00153 |
| 91.92            | -35.36      | 0.00200 | 84.85              | -42.43      | 0.00256 |
| 81.32            | -45.96      | 0.00287 | 77.78              | -49.50      | 0.00319 |
| 75.66            | -51.62      | 0.00337 | 74.25              | -53.03      | 0.00348 |
| 72.83            | -54.45      | 0.00358 | 71.42              | -55.86      | 0.00366 |
| 70.00            | -57.28      | 0.00372 | 57.28              | -70.00      | 0.00325 |
| 55.86            | -71.42      | 0.00313 | 54.45              | -72.83      | 0.00302 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

53.03 -74.25 0.00290 51.62 -75.66 0.00277

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* 04/20/08 \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 \*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 49.50       | -77.78      | 0.00260 | 45.96       | -81.32      | 0.00232 |
| 42.43       | -84.85      | 0.00207 | 35.36       | -91.92      | 0.00164 |
| 28.28       | -98.99      | 0.00131 | 21.21       | -106.07     | 0.00105 |
| 14.14       | -113.14     | 0.00084 | 7.07        | -120.21     | 0.00068 |
| 0.00        | -127.28     | 0.00056 | -7.07       | -134.35     | 0.00046 |
| 141.42      | 0.00        | 0.00045 | 134.35      | -7.07       | 0.00056 |
| 127.28      | -14.14      | 0.00072 | 120.21      | -21.21      | 0.00091 |
| 113.14      | -28.28      | 0.00116 | 106.07      | -35.36      | 0.00148 |
| 98.99       | -42.43      | 0.00186 | 91.92       | -49.50      | 0.00229 |
| 88.39       | -53.03      | 0.00252 | 84.85       | -56.57      | 0.00275 |
| 82.73       | -58.69      | 0.00288 | 81.32       | -60.10      | 0.00295 |
| 79.90       | -61.52      | 0.00301 | 78.49       | -62.93      | 0.00306 |
| 77.07       | -64.35      | 0.00310 | 64.35       | -77.07      | 0.00276 |
| 62.93       | -78.49      | 0.00268 | 61.52       | -79.90      | 0.00260 |
| 60.10       | -81.32      | 0.00251 | 58.69       | -82.73      | 0.00243 |
| 56.57       | -84.85      | 0.00229 | 53.03       | -88.39      | 0.00208 |
| 49.50       | -91.92      | 0.00188 | 42.43       | -98.99      | 0.00153 |
| 35.36       | -106.07     | 0.00125 | 28.28       | -113.14     | 0.00102 |
| 21.21       | -120.21     | 0.00084 | 14.14       | -127.28     | 0.00069 |
| 7.07        | -134.35     | 0.00057 | 0.00        | -141.42     | 0.00047 |
| 148.49      | -7.07       | 0.00047 | 141.42      | -14.14      | 0.00058 |
| 134.35      | -21.21      | 0.00073 | 127.28      | -28.28      | 0.00091 |
| 120.21      | -35.36      | 0.00113 | 113.14      | -42.43      | 0.00140 |
| 106.07      | -49.50      | 0.00170 | 98.99       | -56.57      | 0.00204 |
| 95.46       | -60.10      | 0.00222 | 91.92       | -63.64      | 0.00239 |
| 89.80       | -65.76      | 0.00247 | 88.39       | -67.18      | 0.00252 |
| 86.97       | -68.59      | 0.00256 | 85.56       | -70.00      | 0.00259 |
| 84.15       | -71.42      | 0.00261 | 71.42       | -84.15      | 0.00235 |
| 70.00       | -85.56      | 0.00230 | 68.59       | -86.97      | 0.00224 |
| 67.18       | -88.39      | 0.00218 | 65.76       | -89.80      | 0.00212 |
| 63.64       | -91.92      | 0.00202 | 60.10       | -95.46      | 0.00186 |
| 56.57       | -98.99      | 0.00170 | 49.50       | -106.07     | 0.00141 |
| 42.43       | -113.14     | 0.00118 | 35.36       | -120.21     | 0.00098 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 28.28  | -127.28 | 0.00082 | 21.21  | -134.35 | 0.00068 |
| 14.14  | -141.42 | 0.00057 | 7.07   | -148.49 | 0.00048 |
| 155.56 | -14.14  | 0.00048 | 148.49 | -21.21  | 0.00059 |
| 141.42 | -28.28  | 0.00073 | 134.35 | -35.36  | 0.00089 |
| 127.28 | -42.43  | 0.00108 | 120.21 | -49.50  | 0.00131 |
| 113.14 | -56.57  | 0.00155 | 106.07 | -63.64  | 0.00182 |
| 102.53 | -67.18  | 0.00196 | 98.99  | -70.71  | 0.00208 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
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\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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\*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S3

INCLUDING SOURCE(S) :            NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER            IN MICROGRAMS/M\*\*3                      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 96.87       | -72.83      | 0.00214 | 95.46       | -74.25      | 0.00217 |
| 94.05       | -75.66      | 0.00220 | 92.63       | -77.07      | 0.00221 |
| 91.22       | -78.49      | 0.00222 | 78.49       | -91.22      | 0.00203 |
| 77.07       | -92.63      | 0.00199 | 75.66       | -94.05      | 0.00195 |
| 74.25       | -95.46      | 0.00190 | 72.83       | -96.87      | 0.00186 |
| 70.71       | -98.99      | 0.00178 | 67.18       | -102.53     | 0.00166 |
| 63.64       | -106.07     | 0.00153 | 56.57       | -113.14     | 0.00130 |
| 49.50       | -120.21     | 0.00110 | 42.43       | -127.28     | 0.00093 |
| 35.36       | -134.35     | 0.00079 | 28.28       | -141.42     | 0.00067 |
| 21.21       | -148.49     | 0.00057 | 14.14       | -155.56     | 0.00048 |
| 162.63      | -21.21      | 0.00049 | 155.56      | -28.28      | 0.00059 |
| 148.49      | -35.36      | 0.00072 | 141.42      | -42.43      | 0.00086 |
| 134.35      | -49.50      | 0.00103 | 127.28      | -56.57      | 0.00121 |
| 120.21      | -63.64      | 0.00141 | 113.14      | -70.71      | 0.00163 |
| 109.60      | -74.25      | 0.00173 | 106.07      | -77.78      | 0.00182 |
| 103.94      | -79.90      | 0.00186 | 102.53      | -81.32      | 0.00188 |
| 101.12      | -82.73      | 0.00190 | 99.70       | -84.15      | 0.00191 |
| 98.29       | -85.56      | 0.00192 | 85.56       | -98.29      | 0.00176 |
| 84.15       | -99.70      | 0.00173 | 82.73       | -101.12     | 0.00170 |
| 81.32       | -102.53     | 0.00167 | 79.90       | -103.94     | 0.00163 |
| 77.78       | -106.07     | 0.00158 | 74.25       | -109.60     | 0.00148 |
| 70.71       | -113.14     | 0.00138 | 63.64       | -120.21     | 0.00119 |
| 56.57       | -127.28     | 0.00102 | 49.50       | -134.35     | 0.00088 |
| 42.43       | -141.42     | 0.00076 | 35.36       | -148.49     | 0.00065 |
| 28.28       | -155.56     | 0.00056 | 21.21       | -162.63     | 0.00048 |
| 169.71      | -28.28      | 0.00049 | 162.63      | -35.36      | 0.00059 |
| 155.56      | -42.43      | 0.00070 | 148.49      | -49.50      | 0.00083 |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 141.42 | -56.57  | 0.00096 | 134.35 | -63.64  | 0.00112 |
| 127.28 | -70.71  | 0.00128 | 120.21 | -77.78  | 0.00146 |
| 116.67 | -81.32  | 0.00154 | 113.14 | -84.85  | 0.00160 |
| 111.02 | -86.97  | 0.00163 | 109.60 | -88.39  | 0.00165 |
| 108.19 | -89.80  | 0.00166 | 106.77 | -91.22  | 0.00166 |
| 105.36 | -92.63  | 0.00167 | 92.63  | -105.36 | 0.00154 |
| 91.22  | -106.77 | 0.00152 | 89.80  | -108.19 | 0.00150 |
| 88.39  | -109.60 | 0.00147 | 86.97  | -111.02 | 0.00144 |
| 84.85  | -113.14 | 0.00140 | 81.32  | -116.67 | 0.00133 |
| 77.78  | -120.21 | 0.00125 | 70.71  | -127.28 | 0.00109 |
| 63.64  | -134.35 | 0.00095 | 56.57  | -141.42 | 0.00082 |
| 49.50  | -148.49 | 0.00072 | 42.43  | -155.56 | 0.00063 |
| 35.36  | -162.63 | 0.00054 | 28.28  | -169.71 | 0.00047 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
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\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 176.78      | -35.36      | 0.00049 | 169.71      | -42.43      | 0.00058 |
| 162.63      | -49.50      | 0.00068 | 155.56      | -56.57      | 0.00078 |
| 148.49      | -63.64      | 0.00090 | 141.42      | -70.71      | 0.00103 |
| 134.35      | -77.78      | 0.00117 | 127.28      | -84.85      | 0.00131 |
| 123.74      | -88.39      | 0.00137 | 120.21      | -91.92      | 0.00142 |
| 118.09      | -94.05      | 0.00144 | 116.67      | -95.46      | 0.00145 |
| 115.26      | -96.87      | 0.00146 | 113.84      | -98.29      | 0.00146 |
| 112.43      | -99.70      | 0.00146 | 99.70       | -112.43     | 0.00136 |
| 98.29       | -113.84     | 0.00135 | 96.87       | -115.26     | 0.00133 |
| 95.46       | -116.67     | 0.00131 | 94.05       | -118.09     | 0.00128 |
| 91.92       | -120.21     | 0.00125 | 88.39       | -123.74     | 0.00119 |
| 84.85       | -127.28     | 0.00113 | 77.78       | -134.35     | 0.00100 |
| 70.71       | -141.42     | 0.00088 | 63.64       | -148.49     | 0.00077 |
| 56.57       | -155.56     | 0.00068 | 49.50       | -162.63     | 0.00060 |
| 42.43       | -169.71     | 0.00053 | 35.36       | -176.78     | 0.00046 |
| 183.85      | -42.43      | 0.00049 | 176.78      | -49.50      | 0.00056 |
| 169.71      | -56.57      | 0.00065 | 162.63      | -63.64      | 0.00074 |
| 155.56      | -70.71      | 0.00084 | 148.49      | -77.78      | 0.00095 |
| 141.42      | -84.85      | 0.00107 | 134.35      | -91.92      | 0.00118 |
| 130.81      | -95.46      | 0.00123 | 127.28      | -98.99      | 0.00127 |
| 125.16      | -101.12     | 0.00128 | 123.74      | -102.53     | 0.00129 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 122.33 | -103.94 | 0.00129 | 120.92 | -105.36 | 0.00130 |
| 119.50 | -106.77 | 0.00130 | 106.77 | -119.50 | 0.00121 |
| 105.36 | -120.92 | 0.00120 | 103.94 | -122.33 | 0.00118 |
| 102.53 | -123.74 | 0.00117 | 101.12 | -125.16 | 0.00115 |
| 98.99  | -127.28 | 0.00112 | 95.46  | -130.81 | 0.00108 |
| 91.92  | -134.35 | 0.00103 | 84.85  | -141.42 | 0.00092 |
| 77.78  | -148.49 | 0.00081 | 70.71  | -155.56 | 0.00072 |
| 63.64  | -162.63 | 0.00064 | 56.57  | -169.71 | 0.00057 |
| 49.50  | -176.78 | 0.00051 | 42.43  | -183.85 | 0.00045 |
| 190.92 | -49.50  | 0.00048 | 183.85 | -56.57  | 0.00054 |
| 176.78 | -63.64  | 0.00062 | 169.71 | -70.71  | 0.00070 |
| 162.63 | -77.78  | 0.00078 | 155.56 | -84.85  | 0.00088 |
| 148.49 | -91.92  | 0.00098 | 141.42 | -98.99  | 0.00107 |
| 137.89 | -102.53 | 0.00111 | 134.35 | -106.07 | 0.00113 |
| 132.23 | -108.19 | 0.00115 | 130.81 | -109.60 | 0.00115 |
| 129.40 | -111.02 | 0.00115 | 127.99 | -112.43 | 0.00115 |
| 126.57 | -113.84 | 0.00115 | 113.84 | -126.57 | 0.00109 |
| 112.43 | -127.99 | 0.00107 | 111.02 | -129.40 | 0.00106 |
| 109.60 | -130.81 | 0.00105 | 108.19 | -132.23 | 0.00103 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3

\*\*\*

INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 106.07      | -134.35     | 0.00101 | 102.53      | -137.89     | 0.00097 |
| 98.99       | -141.42     | 0.00093 | 91.92       | -148.49     | 0.00085 |
| 84.85       | -155.56     | 0.00076 | 77.78       | -162.63     | 0.00067 |
| 70.71       | -169.71     | 0.00060 | 63.64       | -176.78     | 0.00054 |
| 56.57       | -183.85     | 0.00048 | 49.50       | -190.92     | 0.00043 |
| 197.99      | -56.57      | 0.00046 | 190.92      | -63.64      | 0.00052 |
| 183.85      | -70.71      | 0.00059 | 176.78      | -77.78      | 0.00066 |
| 169.71      | -84.85      | 0.00073 | 162.63      | -91.92      | 0.00082 |
| 155.56      | -98.99      | 0.00090 | 148.49      | -106.07     | 0.00097 |
| 144.96      | -109.60     | 0.00100 | 141.42      | -113.14     | 0.00102 |
| 139.30      | -115.26     | 0.00103 | 137.89      | -116.67     | 0.00103 |
| 136.47      | -118.09     | 0.00104 | 135.06      | -119.50     | 0.00104 |
| 133.64      | -120.92     | 0.00104 | 120.92      | -133.64     | 0.00098 |
| 119.50      | -135.06     | 0.00097 | 118.09      | -136.47     | 0.00096 |
| 116.67      | -137.89     | 0.00095 | 115.26      | -139.30     | 0.00093 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 113.14 | -141.42 | 0.00092 | 109.60 | -144.96 | 0.00089 |
| 106.07 | -148.49 | 0.00085 | 98.99  | -155.56 | 0.00078 |
| 91.92  | -162.63 | 0.00070 | 84.85  | -169.71 | 0.00063 |
| 77.78  | -176.78 | 0.00057 | 70.71  | -183.85 | 0.00051 |
| 63.64  | -190.92 | 0.00046 | 56.57  | -197.99 | 0.00042 |
| 205.06 | -63.64  | 0.00045 | 197.99 | -70.71  | 0.00050 |
| 190.92 | -77.78  | 0.00056 | 183.85 | -84.85  | 0.00062 |
| 176.78 | -91.92  | 0.00069 | 169.71 | -98.99  | 0.00076 |
| 162.63 | -106.07 | 0.00083 | 155.56 | -113.14 | 0.00089 |
| 152.03 | -116.67 | 0.00091 | 148.49 | -120.21 | 0.00093 |
| 146.37 | -122.33 | 0.00093 | 144.96 | -123.74 | 0.00093 |
| 143.54 | -125.16 | 0.00094 | 142.13 | -126.57 | 0.00094 |
| 140.71 | -127.99 | 0.00093 | 127.99 | -140.71 | 0.00089 |
| 126.57 | -142.13 | 0.00088 | 125.16 | -143.54 | 0.00087 |
| 123.74 | -144.96 | 0.00086 | 122.33 | -146.37 | 0.00085 |
| 120.21 | -148.49 | 0.00083 | 116.67 | -152.03 | 0.00081 |
| 113.14 | -155.56 | 0.00078 | 106.07 | -162.63 | 0.00072 |
| 98.99  | -169.71 | 0.00066 | 91.92  | -176.78 | 0.00059 |
| 84.85  | -183.85 | 0.00053 | 77.78  | -190.92 | 0.00048 |
| 70.71  | -197.99 | 0.00044 | 63.64  | -205.06 | 0.00040 |
| 212.13 | -70.71  | 0.00043 | 205.06 | -77.78  | 0.00048 |
| 197.99 | -84.85  | 0.00053 | 190.92 | -91.92  | 0.00058 |
| 183.85 | -98.99  | 0.00064 | 176.78 | -106.07 | 0.00071 |
| 169.71 | -113.14 | 0.00076 | 162.63 | -120.21 | 0.00081 |
| 159.10 | -123.74 | 0.00083 | 155.56 | -127.28 | 0.00084 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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CONC      URBAN FLAT      FLGPOL DFAULT

\*\*\*      \*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION      VALUES FOR SOURCE GROUP: NCRA\_S3  
 INCLUDING SOURCE(S) :      NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER      IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 153.44      | -129.40     | 0.00085 | 152.03      | -130.81     | 0.00085 |
| 150.61      | -132.23     | 0.00085 | 149.20      | -133.64     | 0.00085 |
| 147.79      | -135.06     | 0.00085 | 135.06      | -147.79     | 0.00081 |
| 133.64      | -149.20     | 0.00080 | 132.23      | -150.61     | 0.00079 |
| 130.81      | -152.03     | 0.00078 | 129.40      | -153.44     | 0.00077 |
| 127.28      | -155.56     | 0.00076 | 123.74      | -159.10     | 0.00074 |
| 120.21      | -162.63     | 0.00072 | 113.14      | -169.71     | 0.00067 |
| 106.07      | -176.78     | 0.00061 | 98.99       | -183.85     | 0.00056 |
| 91.92       | -190.92     | 0.00050 | 84.85       | -197.99     | 0.00046 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 77.78  | -205.06 | 0.00042 | 70.71  | -212.13 | 0.00038 |
| 219.20 | -77.78  | 0.00041 | 212.13 | -84.85  | 0.00045 |
| 205.06 | -91.92  | 0.00050 | 197.99 | -98.99  | 0.00055 |
| 190.92 | -106.07 | 0.00060 | 183.85 | -113.14 | 0.00066 |
| 176.78 | -120.21 | 0.00071 | 169.71 | -127.28 | 0.00075 |
| 166.17 | -130.81 | 0.00076 | 162.63 | -134.35 | 0.00077 |
| 160.51 | -136.47 | 0.00077 | 159.10 | -137.89 | 0.00077 |
| 157.68 | -139.30 | 0.00077 | 156.27 | -140.71 | 0.00077 |
| 154.86 | -142.13 | 0.00077 | 142.13 | -154.86 | 0.00074 |
| 140.71 | -156.27 | 0.00073 | 139.30 | -157.68 | 0.00072 |
| 137.89 | -159.10 | 0.00072 | 136.47 | -160.51 | 0.00071 |
| 134.35 | -162.63 | 0.00070 | 130.81 | -166.17 | 0.00068 |
| 127.28 | -169.71 | 0.00066 | 120.21 | -176.78 | 0.00062 |
| 113.14 | -183.85 | 0.00057 | 106.07 | -190.92 | 0.00052 |
| 98.99  | -197.99 | 0.00048 | 91.92  | -205.06 | 0.00043 |
| 84.85  | -212.13 | 0.00040 | 77.78  | -219.20 | 0.00036 |
| 226.27 | -84.85  | 0.00039 | 219.20 | -91.92  | 0.00043 |
| 212.13 | -98.99  | 0.00047 | 205.06 | -106.07 | 0.00052 |
| 197.99 | -113.14 | 0.00057 | 190.92 | -120.21 | 0.00061 |
| 183.85 | -127.28 | 0.00066 | 176.78 | -134.35 | 0.00069 |
| 173.24 | -137.89 | 0.00070 | 169.71 | -141.42 | 0.00071 |
| 167.58 | -143.54 | 0.00071 | 166.17 | -144.96 | 0.00071 |
| 164.76 | -146.37 | 0.00071 | 163.34 | -147.79 | 0.00071 |
| 161.93 | -149.20 | 0.00071 | 149.20 | -161.93 | 0.00068 |
| 147.79 | -163.34 | 0.00067 | 146.37 | -164.76 | 0.00066 |
| 144.96 | -166.17 | 0.00066 | 143.54 | -167.58 | 0.00065 |
| 141.42 | -169.71 | 0.00064 | 137.89 | -173.24 | 0.00063 |
| 134.35 | -176.78 | 0.00061 | 127.28 | -183.85 | 0.00057 |
| 120.21 | -190.92 | 0.00053 | 113.14 | -197.99 | 0.00049 |
| 106.07 | -205.06 | 0.00045 | 98.99  | -212.13 | 0.00041 |
| 91.92  | -219.20 | 0.00038 | 84.85  | -226.27 | 0.00035 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3

\*\*\*

INCLUDING SOURCE(S): NCRA\_S3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 233.35      | -91.92      | 0.00038 | 226.27      | -98.99      | 0.00041 |
| 219.20      | -106.07     | 0.00045 | 212.13      | -113.14     | 0.00049 |
| 205.06      | -120.21     | 0.00053 | 197.99      | -127.28     | 0.00057 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 190.92 | -134.35 | 0.00061 | 183.85 | -141.42 | 0.00064 |
| 180.31 | -144.96 | 0.00064 | 176.78 | -148.49 | 0.00065 |
| 174.66 | -150.61 | 0.00065 | 173.24 | -152.03 | 0.00065 |
| 171.83 | -153.44 | 0.00065 | 170.41 | -154.86 | 0.00065 |
| 169.00 | -156.27 | 0.00065 | 156.27 | -169.00 | 0.00062 |
| 154.86 | -170.41 | 0.00062 | 153.44 | -171.83 | 0.00061 |
| 152.03 | -173.24 | 0.00061 | 150.61 | -174.66 | 0.00060 |
| 148.49 | -176.78 | 0.00059 | 144.96 | -180.31 | 0.00058 |
| 141.42 | -183.85 | 0.00057 | 134.35 | -190.92 | 0.00053 |
| 127.28 | -197.99 | 0.00050 | 120.21 | -205.06 | 0.00046 |
| 113.14 | -212.13 | 0.00043 | 106.07 | -219.20 | 0.00039 |
| 98.99  | -226.27 | 0.00036 | 91.92  | -233.35 | 0.00033 |
| 240.42 | -98.99  | 0.00036 | 233.35 | -106.07 | 0.00039 |
| 226.27 | -113.14 | 0.00043 | 219.20 | -120.21 | 0.00046 |
| 212.13 | -127.28 | 0.00050 | 205.06 | -134.35 | 0.00054 |
| 197.99 | -141.42 | 0.00057 | 190.92 | -148.49 | 0.00059 |
| 187.38 | -152.03 | 0.00060 | 183.85 | -155.56 | 0.00060 |
| 181.73 | -157.68 | 0.00060 | 180.31 | -159.10 | 0.00060 |
| 178.90 | -160.51 | 0.00060 | 177.48 | -161.93 | 0.00060 |
| 176.07 | -163.34 | 0.00060 | 163.34 | -176.07 | 0.00057 |
| 161.93 | -177.48 | 0.00057 | 160.51 | -178.90 | 0.00057 |
| 159.10 | -180.31 | 0.00056 | 157.68 | -181.73 | 0.00056 |
| 155.56 | -183.85 | 0.00055 | 152.03 | -187.38 | 0.00054 |
| 148.49 | -190.92 | 0.00053 | 141.42 | -197.99 | 0.00050 |
| 134.35 | -205.06 | 0.00047 | 127.28 | -212.13 | 0.00044 |
| 120.21 | -219.20 | 0.00040 | 113.14 | -226.27 | 0.00037 |
| 106.07 | -233.35 | 0.00034 | 98.99  | -240.42 | 0.00032 |
| 247.49 | -106.07 | 0.00035 | 240.42 | -113.14 | 0.00037 |
| 233.35 | -120.21 | 0.00041 | 226.27 | -127.28 | 0.00044 |
| 219.20 | -134.35 | 0.00047 | 212.13 | -141.42 | 0.00050 |
| 205.06 | -148.49 | 0.00053 | 197.99 | -155.56 | 0.00055 |
| 194.45 | -159.10 | 0.00055 | 190.92 | -162.63 | 0.00056 |
| 188.80 | -164.76 | 0.00056 | 187.38 | -166.17 | 0.00056 |
| 185.97 | -167.58 | 0.00056 | 184.55 | -169.00 | 0.00056 |
| 183.14 | -170.41 | 0.00055 | 170.41 | -183.14 | 0.00053 |
| 169.00 | -184.55 | 0.00053 | 167.58 | -185.97 | 0.00053 |
| 166.17 | -187.38 | 0.00052 | 164.76 | -188.80 | 0.00052 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3  
 INCLUDING SOURCE(S): NCRA\_S3 ,



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -190.92 | 148.49 | 0.00027 | -197.99 | 141.42 | 0.00026 |
| -205.06 | 134.35 | 0.00025 | -212.13 | 127.28 | 0.00024 |
| -219.20 | 120.21 | 0.00023 | -226.27 | 113.14 | 0.00021 |
| -233.35 | 106.07 | 0.00019 | -240.42 | 98.99  | 0.00017 |
| -91.92  | 233.35 | 0.00008 | -98.99  | 226.27 | 0.00010 |
| -106.07 | 219.20 | 0.00012 | -113.14 | 212.13 | 0.00014 |
| -120.21 | 205.06 | 0.00017 | -127.28 | 197.99 | 0.00020 |
| -134.35 | 190.92 | 0.00023 | -141.42 | 183.85 | 0.00026 |
| -144.96 | 180.31 | 0.00028 | -148.49 | 176.78 | 0.00029 |
| -150.61 | 174.66 | 0.00030 | -152.03 | 173.24 | 0.00031 |
| -153.44 | 171.83 | 0.00032 | -154.86 | 170.41 | 0.00032 |
| -156.27 | 169.00 | 0.00033 | -169.00 | 156.27 | 0.00035 |
| -170.41 | 154.86 | 0.00035 | -171.83 | 153.44 | 0.00035 |
| -173.24 | 152.03 | 0.00034 | -174.66 | 150.61 | 0.00034 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41

\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4

\*\*\*

INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -176.78     | 148.49      | 0.00033 | -180.31     | 144.96      | 0.00032 |
| -183.85     | 141.42      | 0.00031 | -190.92     | 134.35      | 0.00029 |
| -197.99     | 127.28      | 0.00028 | -205.06     | 120.21      | 0.00026 |
| -212.13     | 113.14      | 0.00025 | -219.20     | 106.07      | 0.00022 |
| -226.27     | 99.00       | 0.00020 | -233.35     | 91.92       | 0.00018 |
| -84.85      | 226.27      | 0.00008 | -91.92      | 219.20      | 0.00010 |
| -98.99      | 212.13      | 0.00012 | -106.07     | 205.06      | 0.00014 |
| -113.14     | 197.99      | 0.00017 | -120.21     | 190.92      | 0.00021 |
| -127.28     | 183.85      | 0.00025 | -134.35     | 176.78      | 0.00029 |
| -137.89     | 173.24      | 0.00031 | -141.42     | 169.71      | 0.00033 |
| -143.54     | 167.58      | 0.00034 | -144.96     | 166.17      | 0.00035 |
| -146.37     | 164.76      | 0.00036 | -147.79     | 163.34      | 0.00037 |
| -149.20     | 161.93      | 0.00038 | -161.93     | 149.20      | 0.00041 |
| -163.34     | 147.79      | 0.00040 | -164.76     | 146.37      | 0.00040 |
| -166.17     | 144.96      | 0.00039 | -167.58     | 143.54      | 0.00038 |
| -169.71     | 141.42      | 0.00037 | -173.24     | 137.89      | 0.00036 |
| -176.78     | 134.35      | 0.00035 | -183.85     | 127.28      | 0.00033 |
| -190.92     | 120.21      | 0.00031 | -197.99     | 113.14      | 0.00029 |
| -205.06     | 106.07      | 0.00026 | -212.13     | 99.00       | 0.00024 |
| -219.20     | 91.92       | 0.00021 | -226.27     | 84.85       | 0.00018 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -77.78  | 219.20 | 0.00009 | -84.85  | 212.13 | 0.00010 |
| -91.92  | 205.06 | 0.00012 | -98.99  | 197.99 | 0.00015 |
| -106.07 | 190.92 | 0.00018 | -113.14 | 183.85 | 0.00022 |
| -120.21 | 176.78 | 0.00027 | -127.28 | 169.71 | 0.00032 |
| -130.81 | 166.17 | 0.00035 | -134.35 | 162.63 | 0.00038 |
| -136.47 | 160.51 | 0.00039 | -137.89 | 159.10 | 0.00040 |
| -139.30 | 157.68 | 0.00042 | -140.71 | 156.27 | 0.00043 |
| -142.13 | 154.86 | 0.00044 | -154.86 | 142.13 | 0.00047 |
| -156.27 | 140.71 | 0.00046 | -157.68 | 139.30 | 0.00046 |
| -159.10 | 137.89 | 0.00045 | -160.51 | 136.47 | 0.00044 |
| -162.63 | 134.35 | 0.00043 | -166.17 | 130.81 | 0.00041 |
| -169.71 | 127.28 | 0.00040 | -176.78 | 120.21 | 0.00038 |
| -183.85 | 113.14 | 0.00035 | -190.92 | 106.07 | 0.00032 |
| -197.99 | 99.00  | 0.00028 | -205.06 | 91.92  | 0.00025 |
| -212.13 | 84.85  | 0.00022 | -219.20 | 77.78  | 0.00019 |
| -70.71  | 212.13 | 0.00009 | -77.78  | 205.06 | 0.00010 |
| -84.85  | 197.99 | 0.00012 | -91.92  | 190.92 | 0.00015 |
| -98.99  | 183.85 | 0.00019 | -106.07 | 176.78 | 0.00024 |
| -113.14 | 169.71 | 0.00030 | -120.21 | 162.63 | 0.00036 |
| -123.74 | 159.10 | 0.00040 | -127.28 | 155.56 | 0.00043 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTS:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4

\*\*\*

INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40     | 153.44      | 0.00045 | -130.81     | 152.03      | 0.00047 |
| -132.23     | 150.61      | 0.00048 | -133.64     | 149.20      | 0.00050 |
| -135.06     | 147.79      | 0.00051 | -147.79     | 135.06      | 0.00055 |
| -149.20     | 133.64      | 0.00054 | -150.61     | 132.23      | 0.00053 |
| -152.03     | 130.81      | 0.00052 | -153.44     | 129.40      | 0.00051 |
| -155.56     | 127.28      | 0.00049 | -159.10     | 123.74      | 0.00047 |
| -162.63     | 120.21      | 0.00046 | -169.71     | 113.14      | 0.00043 |
| -176.78     | 106.07      | 0.00039 | -183.85     | 98.99       | 0.00035 |
| -190.92     | 91.92       | 0.00030 | -197.99     | 84.85       | 0.00026 |
| -205.06     | 77.78       | 0.00023 | -212.13     | 70.71       | 0.00020 |
| -63.64      | 205.06      | 0.00009 | -70.71      | 197.99      | 0.00010 |
| -77.78      | 190.92      | 0.00013 | -84.85      | 183.85      | 0.00016 |
| -91.92      | 176.78      | 0.00020 | -98.99      | 169.71      | 0.00025 |
| -106.07     | 162.63      | 0.00032 | -113.14     | 155.56      | 0.00041 |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -116.67 | 152.03 | 0.00045 | -120.21 | 148.49 | 0.00050 |
| -122.33 | 146.37 | 0.00053 | -123.74 | 144.96 | 0.00055 |
| -125.16 | 143.54 | 0.00057 | -126.57 | 142.13 | 0.00058 |
| -127.99 | 140.71 | 0.00060 | -140.71 | 127.99 | 0.00065 |
| -142.13 | 126.57 | 0.00063 | -143.54 | 125.16 | 0.00062 |
| -144.96 | 123.74 | 0.00061 | -146.37 | 122.33 | 0.00059 |
| -148.49 | 120.21 | 0.00058 | -152.03 | 116.67 | 0.00055 |
| -155.56 | 113.14 | 0.00053 | -162.63 | 106.07 | 0.00049 |
| -169.71 | 98.99  | 0.00043 | -176.78 | 91.92  | 0.00037 |
| -183.85 | 84.85  | 0.00032 | -190.92 | 77.78  | 0.00028 |
| -197.99 | 70.71  | 0.00024 | -205.06 | 63.64  | 0.00021 |
| -56.57  | 197.99 | 0.00009 | -63.64  | 190.92 | 0.00011 |
| -70.71  | 183.85 | 0.00013 | -77.78  | 176.78 | 0.00016 |
| -84.85  | 169.71 | 0.00020 | -91.92  | 162.63 | 0.00026 |
| -98.99  | 155.56 | 0.00034 | -106.07 | 148.49 | 0.00045 |
| -109.60 | 144.96 | 0.00051 | -113.14 | 141.42 | 0.00058 |
| -115.26 | 139.30 | 0.00062 | -116.67 | 137.89 | 0.00064 |
| -118.09 | 136.47 | 0.00067 | -119.50 | 135.06 | 0.00070 |
| -120.92 | 133.64 | 0.00072 | -133.64 | 120.92 | 0.00077 |
| -135.06 | 119.50 | 0.00075 | -136.47 | 118.09 | 0.00074 |
| -137.89 | 116.67 | 0.00072 | -139.30 | 115.26 | 0.00070 |
| -141.42 | 113.14 | 0.00068 | -144.96 | 109.60 | 0.00065 |
| -148.49 | 106.07 | 0.00062 | -155.56 | 98.99  | 0.00055 |
| -162.63 | 91.92  | 0.00047 | -169.71 | 84.85  | 0.00040 |
| -176.78 | 77.78  | 0.00034 | -183.85 | 70.71  | 0.00029 |
| -190.92 | 63.64  | 0.00025 | -197.99 | 56.57  | 0.00022 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08 \*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41  
 \*\*MODELOPTS:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -49.50      | 190.92      | 0.00009 | -56.57      | 183.85      | 0.00011 |
| -63.64      | 176.78      | 0.00013 | -70.71      | 169.71      | 0.00016 |
| -77.78      | 162.63      | 0.00021 | -84.85      | 155.56      | 0.00027 |
| -91.92      | 148.49      | 0.00036 | -98.99      | 141.42      | 0.00049 |
| -102.53     | 137.89      | 0.00057 | -106.07     | 134.35      | 0.00067 |
| -108.19     | 132.23      | 0.00072 | -109.60     | 130.81      | 0.00076 |
| -111.02     | 129.40      | 0.00080 | -112.43     | 127.99      | 0.00084 |
| -113.84     | 126.57      | 0.00088 | -126.57     | 113.84      | 0.00093 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -127.99 | 112.43 | 0.00091 | -129.40 | 111.02 | 0.00088 |
| -130.81 | 109.60 | 0.00086 | -132.23 | 108.19 | 0.00084 |
| -134.35 | 106.07 | 0.00081 | -137.89 | 102.53 | 0.00077 |
| -141.42 | 98.99  | 0.00071 | -148.49 | 91.92  | 0.00060 |
| -155.56 | 84.85  | 0.00051 | -162.63 | 77.78  | 0.00043 |
| -169.71 | 70.71  | 0.00036 | -176.78 | 63.64  | 0.00030 |
| -183.85 | 56.57  | 0.00026 | -190.92 | 49.50  | 0.00023 |
| -42.43  | 183.85 | 0.00010 | -49.50  | 176.78 | 0.00011 |
| -56.57  | 169.71 | 0.00014 | -63.64  | 162.63 | 0.00017 |
| -70.71  | 155.56 | 0.00021 | -77.78  | 148.49 | 0.00028 |
| -84.85  | 141.42 | 0.00038 | -91.92  | 134.35 | 0.00052 |
| -95.46  | 130.81 | 0.00063 | -98.99  | 127.28 | 0.00075 |
| -101.12 | 125.16 | 0.00083 | -102.53 | 123.74 | 0.00089 |
| -103.94 | 122.33 | 0.00095 | -105.36 | 120.92 | 0.00101 |
| -106.77 | 119.50 | 0.00107 | -119.50 | 106.77 | 0.00114 |
| -120.92 | 105.36 | 0.00110 | -122.33 | 103.94 | 0.00107 |
| -123.74 | 102.53 | 0.00104 | -125.16 | 101.12 | 0.00101 |
| -127.28 | 98.99  | 0.00096 | -130.81 | 95.46  | 0.00087 |
| -134.35 | 91.92  | 0.00079 | -141.42 | 84.85  | 0.00066 |
| -148.49 | 77.78  | 0.00054 | -155.56 | 70.71  | 0.00045 |
| -162.63 | 63.64  | 0.00037 | -169.71 | 56.57  | 0.00032 |
| -176.78 | 49.50  | 0.00027 | -183.85 | 42.43  | 0.00023 |
| -35.36  | 176.78 | 0.00010 | -42.43  | 169.71 | 0.00012 |
| -49.50  | 162.63 | 0.00014 | -56.57  | 155.56 | 0.00018 |
| -63.64  | 148.49 | 0.00022 | -70.71  | 141.42 | 0.00029 |
| -77.78  | 134.35 | 0.00039 | -84.85  | 127.28 | 0.00055 |
| -88.39  | 123.74 | 0.00067 | -91.92  | 120.21 | 0.00081 |
| -94.05  | 118.09 | 0.00093 | -95.46  | 116.67 | 0.00101 |
| -96.87  | 115.26 | 0.00110 | -98.29  | 113.84 | 0.00120 |
| -99.70  | 112.43 | 0.00129 | -112.43 | 99.70  | 0.00140 |
| -113.84 | 98.29  | 0.00134 | -115.26 | 96.87  | 0.00128 |
| -116.67 | 95.46  | 0.00122 | -118.09 | 94.05  | 0.00116 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTS:  
 PAGE 87  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -120.21     | 91.92       | 0.00108 | -123.74     | 88.39       | 0.00097 |
| -127.28     | 84.85       | 0.00087 | -134.35     | 77.78       | 0.00071 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -141.42 | 70.71  | 0.00057 | -148.49 | 63.64  | 0.00047 |
| -155.56 | 56.57  | 0.00039 | -162.63 | 49.50  | 0.00033 |
| -169.71 | 42.43  | 0.00028 | -176.78 | 35.36  | 0.00024 |
| -28.28  | 169.71 | 0.00011 | -35.36  | 162.63 | 0.00013 |
| -42.43  | 155.56 | 0.00015 | -49.50  | 148.49 | 0.00019 |
| -56.57  | 141.42 | 0.00023 | -63.64  | 134.35 | 0.00030 |
| -70.71  | 127.28 | 0.00041 | -77.78  | 120.21 | 0.00058 |
| -81.32  | 116.67 | 0.00071 | -84.85  | 113.14 | 0.00087 |
| -86.97  | 111.02 | 0.00100 | -88.39  | 109.60 | 0.00109 |
| -89.80  | 108.19 | 0.00120 | -91.22  | 106.77 | 0.00134 |
| -92.63  | 105.36 | 0.00148 | -105.36 | 92.63  | 0.00165 |
| -106.77 | 91.22  | 0.00154 | -108.19 | 89.80  | 0.00144 |
| -109.60 | 88.39  | 0.00135 | -111.02 | 86.97  | 0.00128 |
| -113.14 | 84.85  | 0.00118 | -116.67 | 81.32  | 0.00104 |
| -120.21 | 77.78  | 0.00093 | -127.28 | 70.71  | 0.00074 |
| -134.35 | 63.64  | 0.00060 | -141.42 | 56.57  | 0.00049 |
| -148.49 | 49.50  | 0.00040 | -155.56 | 42.43  | 0.00034 |
| -162.63 | 35.36  | 0.00029 | -169.71 | 28.28  | 0.00025 |
| -21.21  | 162.63 | 0.00012 | -28.28  | 155.56 | 0.00014 |
| -35.36  | 148.49 | 0.00016 | -42.43  | 141.42 | 0.00020 |
| -49.50  | 134.35 | 0.00025 | -56.57  | 127.28 | 0.00033 |
| -63.64  | 120.21 | 0.00045 | -70.71  | 113.14 | 0.00064 |
| -74.25  | 109.60 | 0.00078 | -77.78  | 106.07 | 0.00097 |
| -79.90  | 103.94 | 0.00112 | -81.32  | 102.53 | 0.00123 |
| -82.73  | 101.12 | 0.00137 | -84.15  | 99.70  | 0.00154 |
| -85.56  | 98.29  | 0.00177 | -98.29  | 85.56  | 0.00190 |
| -99.70  | 84.15  | 0.00172 | -101.12 | 82.73  | 0.00159 |
| -102.53 | 81.32  | 0.00148 | -103.94 | 79.90  | 0.00139 |
| -106.07 | 77.78  | 0.00127 | -109.60 | 74.25  | 0.00111 |
| -113.14 | 70.71  | 0.00098 | -120.21 | 63.64  | 0.00078 |
| -127.28 | 56.57  | 0.00062 | -134.35 | 49.50  | 0.00050 |
| -141.42 | 42.43  | 0.00041 | -148.49 | 35.36  | 0.00035 |
| -155.56 | 28.28  | 0.00030 | -162.63 | 21.21  | 0.00026 |
| -14.14  | 155.56 | 0.00013 | -21.21  | 148.49 | 0.00015 |
| -28.28  | 141.42 | 0.00018 | -35.36  | 134.35 | 0.00022 |
| -42.43  | 127.28 | 0.00028 | -49.50  | 120.21 | 0.00036 |
| -56.57  | 113.14 | 0.00050 | -63.64  | 106.07 | 0.00074 |
| -67.18  | 102.53 | 0.00094 | -70.71  | 98.99  | 0.00124 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41  
 \*\*MODELOPTS:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4

\*\*\*

20NCRA PL97-300 DPM\_TRAV\_ANN\_SE-NW Bound  
 INCLUDING SOURCE(S) : NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

| ** CONC OF OTHER |             |         | IN MICROGRAMS/M**3 |             |         |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M)      | Y-COORD (M) | CONC    | X-COORD (M)        | Y-COORD (M) | CONC    |
| -72.83           | 96.87       | 0.00150 | -74.25             | 95.46       | 0.00173 |
| -75.66           | 94.05       | 0.00202 | -77.07             | 92.63       | 0.00241 |
| -78.49           | 91.22       | 0.00295 | -91.22             | 78.49       | 0.00255 |
| -92.63           | 77.07       | 0.00219 | -94.05             | 75.66       | 0.00194 |
| -95.46           | 74.25       | 0.00175 | -96.87             | 72.83       | 0.00161 |
| -98.99           | 70.71       | 0.00144 | -102.53            | 67.18       | 0.00123 |
| -106.07          | 63.64       | 0.00107 | -113.14            | 56.57       | 0.00083 |
| -120.21          | 49.50       | 0.00065 | -127.28            | 42.43       | 0.00053 |
| -134.35          | 35.36       | 0.00043 | -141.42            | 28.28       | 0.00036 |
| -148.49          | 21.21       | 0.00031 | -155.56            | 14.14       | 0.00026 |
| -7.07            | 148.49      | 0.00014 | -14.14             | 141.42      | 0.00016 |
| -21.21           | 134.35      | 0.00020 | -28.28             | 127.28      | 0.00024 |
| -35.36           | 120.21      | 0.00031 | -42.43             | 113.14      | 0.00041 |
| -49.50           | 106.07      | 0.00059 | -56.57             | 98.99       | 0.00095 |
| -60.10           | 95.46       | 0.00126 | -63.64             | 91.92       | 0.00177 |
| -65.76           | 89.80       | 0.00221 | -67.18             | 88.39       | 0.00258 |
| -68.59           | 86.97       | 0.00304 | -70.00             | 85.56       | 0.00360 |
| -71.42           | 84.15       | 0.00431 | -84.15             | 71.42       | 0.00337 |
| -85.56           | 70.00       | 0.00287 | -86.97             | 68.59       | 0.00250 |
| -88.39           | 67.18       | 0.00222 | -89.80             | 65.76       | 0.00199 |
| -91.92           | 63.64       | 0.00173 | -95.46             | 60.10       | 0.00142 |
| -98.99           | 56.57       | 0.00120 | -106.07            | 49.50       | 0.00090 |
| -113.14          | 42.43       | 0.00070 | -120.21            | 35.36       | 0.00056 |
| -127.28          | 28.28       | 0.00046 | -134.35            | 21.21       | 0.00039 |
| -141.42          | 14.14       | 0.00032 | -148.49            | 7.07        | 0.00028 |
| 0.00             | 141.42      | 0.00015 | -7.07              | 134.35      | 0.00018 |
| -14.14           | 127.28      | 0.00022 | -21.21             | 120.21      | 0.00027 |
| -28.28           | 113.14      | 0.00036 | -35.36             | 106.07      | 0.00050 |
| -42.43           | 98.99       | 0.00075 | -49.50             | 91.92       | 0.00125 |
| -53.03           | 88.39       | 0.00171 | -56.57             | 84.85       | 0.00239 |
| -58.69           | 82.73       | 0.00296 | -60.10             | 81.32       | 0.00342 |
| -61.52           | 79.90       | 0.00398 | -62.93             | 78.49       | 0.00463 |
| -64.35           | 77.07       | 0.00543 | -77.07             | 64.35       | 0.00412 |
| -78.49           | 62.93       | 0.00353 | -79.90             | 61.52       | 0.00308 |
| -81.32           | 60.10       | 0.00273 | -82.73             | 58.69       | 0.00244 |
| -84.85           | 56.57       | 0.00210 | -88.39             | 53.03       | 0.00167 |
| -91.92           | 49.50       | 0.00137 | -98.99             | 42.43       | 0.00099 |
| -106.07          | 35.36       | 0.00076 | -113.14            | 28.28       | 0.00061 |
| -120.21          | 21.21       | 0.00049 | -127.28            | 14.14       | 0.00041 |
| -134.35          | 7.07        | 0.00034 | -141.42            | 0.00        | 0.00029 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
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\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4

\*\*\*

INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 7.07        | 134.35      | 0.00016 | 0.00        | 127.28      | 0.00020 |
| -7.07       | 120.21      | 0.00025 | -14.14      | 113.14      | 0.00032 |
| -21.21      | 106.07      | 0.00043 | -28.28      | 98.99       | 0.00061 |
| -35.36      | 91.92       | 0.00095 | -42.43      | 84.85       | 0.00161 |
| -45.96      | 81.32       | 0.00217 | -49.50      | 77.78       | 0.00297 |
| -51.62      | 75.66       | 0.00361 | -53.03      | 74.25       | 0.00412 |
| -54.45      | 72.83       | 0.00472 | -55.86      | 71.42       | 0.00543 |
| -57.28      | 70.00       | 0.00627 | -70.00      | 57.28       | 0.00473 |
| -71.42      | 55.86       | 0.00408 | -72.83      | 54.45       | 0.00358 |
| -74.25      | 53.03       | 0.00317 | -75.66      | 51.62       | 0.00284 |
| -77.78      | 49.50       | 0.00244 | -81.32      | 45.96       | 0.00194 |
| -84.85      | 42.43       | 0.00157 | -91.92      | 35.36       | 0.00111 |
| -98.99      | 28.28       | 0.00083 | -106.07     | 21.21       | 0.00065 |
| -113.14     | 14.14       | 0.00053 | -120.21     | 7.07        | 0.00043 |
| -127.28     | 0.00        | 0.00036 | -134.35     | -7.07       | 0.00030 |
| 14.14       | 127.28      | 0.00018 | 7.07        | 120.21      | 0.00022 |
| 0.00        | 113.14      | 0.00028 | -7.07       | 106.07      | 0.00038 |
| -14.14      | 98.99       | 0.00052 | -21.21      | 91.92       | 0.00076 |
| -28.28      | 84.85       | 0.00118 | -35.36      | 77.78       | 0.00196 |
| -38.89      | 74.25       | 0.00258 | -42.43      | 70.71       | 0.00345 |
| -44.55      | 68.59       | 0.00412 | -45.96      | 67.18       | 0.00466 |
| -47.38      | 65.76       | 0.00529 | -48.79      | 64.35       | 0.00601 |
| -50.20      | 62.93       | 0.00687 | -62.93      | 50.20       | 0.00519 |
| -64.35      | 48.79       | 0.00450 | -65.76      | 47.38       | 0.00397 |
| -67.18      | 45.96       | 0.00353 | -68.59      | 44.55       | 0.00316 |
| -70.71      | 42.43       | 0.00272 | -74.25      | 38.89       | 0.00216 |
| -77.78      | 35.36       | 0.00177 | -84.85      | 28.28       | 0.00124 |
| -91.92      | 21.21       | 0.00092 | -98.99      | 14.14       | 0.00071 |
| -106.07     | 7.07        | 0.00056 | -113.14     | 0.00        | 0.00046 |
| -120.21     | -7.07       | 0.00038 | -127.28     | -14.14      | 0.00032 |
| 21.21       | 120.21      | 0.00020 | 14.14       | 113.14      | 0.00025 |
| 7.07        | 106.07      | 0.00033 | 0.00        | 98.99       | 0.00044 |
| -7.07       | 91.92       | 0.00062 | -14.14      | 84.85       | 0.00091 |
| -21.21      | 77.78       | 0.00142 | -28.28      | 70.71       | 0.00228 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |       |         |        |       |         |
|--------|-------|---------|--------|-------|---------|
| -31.82 | 67.18 | 0.00294 | -35.36 | 63.64 | 0.00384 |
| -37.48 | 61.52 | 0.00453 | -38.89 | 60.10 | 0.00508 |
| -40.31 | 58.69 | 0.00570 | -41.72 | 57.28 | 0.00642 |
| -43.13 | 55.86 | 0.00727 | -55.86 | 43.13 | 0.00548 |
| -57.28 | 41.72 | 0.00478 | -58.69 | 40.31 | 0.00423 |
| -60.10 | 38.89 | 0.00377 | -61.52 | 37.48 | 0.00339 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4

\*\*\*

INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -63.64      | 35.36       | 0.00293 | -67.18      | 31.82       | 0.00236 |
| -70.71      | 28.28       | 0.00195 | -77.78      | 21.21       | 0.00138 |
| -84.85      | 14.14       | 0.00101 | -91.92      | 7.07        | 0.00077 |
| -98.99      | 0.00        | 0.00060 | -106.07     | -7.07       | 0.00049 |
| -113.14     | -14.14      | 0.00040 | -120.21     | -21.21      | 0.00034 |
| 28.28       | 113.14      | 0.00023 | 21.21       | 106.07      | 0.00029 |
| 14.14       | 98.99       | 0.00038 | 7.07        | 91.92       | 0.00052 |
| 0.00        | 84.85       | 0.00073 | -7.07       | 77.78       | 0.00107 |
| -14.14      | 70.71       | 0.00163 | -21.21      | 63.64       | 0.00256 |
| -24.75      | 60.10       | 0.00325 | -28.28      | 56.57       | 0.00417 |
| -30.41      | 54.45       | 0.00486 | -31.82      | 53.03       | 0.00540 |
| -33.23      | 51.62       | 0.00600 | -34.65      | 50.20       | 0.00670 |
| -36.06      | 48.79       | 0.00752 | -48.79      | 36.06       | 0.00563 |
| -50.20      | 34.65       | 0.00493 | -51.62      | 33.23       | 0.00439 |
| -53.03      | 31.82       | 0.00394 | -54.45      | 30.41       | 0.00357 |
| -56.57      | 28.28       | 0.00311 | -60.10      | 24.75       | 0.00253 |
| -63.64      | 21.21       | 0.00210 | -70.71      | 14.14       | 0.00150 |
| -77.78      | 7.07        | 0.00111 | -84.85      | 0.00        | 0.00084 |
| -91.92      | -7.07       | 0.00065 | -98.99      | -14.14      | 0.00052 |
| -106.07     | -21.21      | 0.00043 | -113.14     | -28.28      | 0.00036 |
| 35.36       | 106.07      | 0.00026 | 28.28       | 98.99       | 0.00033 |
| 21.21       | 91.92       | 0.00044 | 14.14       | 84.85       | 0.00059 |
| 7.07        | 77.78       | 0.00084 | 0.00        | 70.71       | 0.00122 |
| -7.07       | 63.64       | 0.00182 | -14.14      | 56.57       | 0.00279 |
| -17.68      | 53.03       | 0.00351 | -21.21      | 49.50       | 0.00444 |
| -23.33      | 47.38       | 0.00513 | -24.75      | 45.96       | 0.00567 |
| -26.16      | 44.55       | 0.00626 | -27.58      | 43.13       | 0.00694 |
| -28.99      | 41.72       | 0.00770 | -41.72      | 28.99       | 0.00570 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |         |        |         |
|--------|--------|---------|---------|--------|---------|
| -43.13 | 27.58  | 0.00504 | -44.55  | 26.16  | 0.00452 |
| -45.96 | 24.75  | 0.00409 | -47.38  | 23.33  | 0.00373 |
| -49.50 | 21.21  | 0.00327 | -53.03  | 17.68  | 0.00268 |
| -56.57 | 14.14  | 0.00224 | -63.64  | 7.07   | 0.00161 |
| -70.71 | 0.00   | 0.00120 | -77.78  | -7.07  | 0.00091 |
| -84.85 | -14.14 | 0.00070 | -91.92  | -21.21 | 0.00056 |
| -98.99 | -28.28 | 0.00045 | -106.07 | -35.36 | 0.00038 |
| 42.43  | 98.99  | 0.00029 | 35.36   | 91.92  | 0.00037 |
| 28.28  | 84.85  | 0.00049 | 21.21   | 77.78  | 0.00067 |
| 14.14  | 70.71  | 0.00094 | 7.07    | 63.64  | 0.00135 |
| 0.00   | 56.57  | 0.00197 | -7.07   | 49.50  | 0.00296 |
| -10.61 | 45.96  | 0.00368 | -14.14  | 42.43  | 0.00460 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -16.26      | 40.31       | 0.00529 | -17.68      | 38.89       | 0.00581 |
| -19.09      | 37.48       | 0.00638 | -20.51      | 36.06       | 0.00702 |
| -21.92      | 34.65       | 0.00772 | -34.65      | 21.92       | 0.00570 |
| -36.06      | 20.51       | 0.00511 | -37.48      | 19.09       | 0.00461 |
| -38.89      | 17.68       | 0.00419 | -40.31      | 16.26       | 0.00384 |
| -42.43      | 14.14       | 0.00339 | -45.96      | 10.61       | 0.00280 |
| -49.50      | 7.07        | 0.00234 | -56.57      | 0.00        | 0.00170 |
| -63.64      | -7.07       | 0.00127 | -70.71      | -14.14      | 0.00097 |
| -77.78      | -21.21      | 0.00075 | -84.85      | -28.28      | 0.00060 |
| -91.92      | -35.36      | 0.00048 | -98.99      | -42.43      | 0.00040 |
| 49.50       | 91.92       | 0.00032 | 42.43       | 84.85       | 0.00041 |
| 35.36       | 77.78       | 0.00055 | 28.28       | 70.71       | 0.00075 |
| 21.21       | 63.64       | 0.00103 | 14.14       | 56.57       | 0.00145 |
| 7.07        | 49.50       | 0.00208 | 0.00        | 42.43       | 0.00305 |
| -3.54       | 38.89       | 0.00373 | -7.07       | 35.36       | 0.00456 |
| -9.19       | 33.23       | 0.00513 | -10.61      | 31.82       | 0.00554 |
| -12.02      | 30.41       | 0.00595 | -13.44      | 28.99       | 0.00637 |
| -14.85      | 27.58       | 0.00675 | -27.58      | 14.85       | 0.00520 |
| -28.99      | 13.44       | 0.00481 | -30.41      | 12.02       | 0.00444 |
| -31.82      | 10.61       | 0.00410 | -33.23      | 9.19        | 0.00379 |
| -35.36      | 7.07        | 0.00338 | -38.89      | 3.54        | 0.00283 |
| -42.43      | 0.00        | 0.00238 | -49.50      | -7.07       | 0.00175 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -56.57 | -14.14 | 0.00132 | -63.64 | -21.21 | 0.00102 |
| -70.71 | -28.28 | 0.00079 | -77.78 | -35.36 | 0.00063 |
| -84.85 | -42.43 | 0.00051 | -91.92 | -49.50 | 0.00042 |
| 56.57  | 84.85  | 0.00035 | 49.50  | 77.78  | 0.00046 |
| 42.43  | 70.71  | 0.00060 | 35.36  | 63.64  | 0.00081 |
| 28.28  | 56.57  | 0.00111 | 21.21  | 49.50  | 0.00153 |
| 14.14  | 42.43  | 0.00213 | 7.07   | 35.36  | 0.00300 |
| 3.54   | 31.82  | 0.00356 | 0.00   | 28.28  | 0.00419 |
| -2.12  | 26.16  | 0.00459 | -3.54  | 24.75  | 0.00485 |
| -4.95  | 23.33  | 0.00510 | -6.36  | 21.92  | 0.00533 |
| -7.78  | 20.51  | 0.00553 | -20.51 | 7.78   | 0.00452 |
| -21.92 | 6.36   | 0.00425 | -23.33 | 4.95   | 0.00400 |
| -24.75 | 3.54   | 0.00375 | -26.16 | 2.12   | 0.00352 |
| -28.28 | 0.00   | 0.00321 | -31.82 | -3.54  | 0.00275 |
| -35.36 | -7.07  | 0.00236 | -42.43 | -14.14 | 0.00176 |
| -49.50 | -21.21 | 0.00134 | -56.57 | -28.28 | 0.00104 |
| -63.64 | -35.36 | 0.00082 | -70.71 | -42.43 | 0.00065 |
| -77.78 | -49.50 | 0.00053 | -84.85 | -56.57 | 0.00043 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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CONC      URBAN FLAT      FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4  
 \*\*\* INCLUDING SOURCE(S):      NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER      IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 63.64       | 77.78       | 0.00039 | 56.57       | 70.71       | 0.00050 |
| 49.50       | 63.64       | 0.00065 | 42.43       | 56.57       | 0.00086 |
| 35.36       | 49.50       | 0.00115 | 28.28       | 42.43       | 0.00155 |
| 21.21       | 35.36       | 0.00209 | 14.14       | 28.28       | 0.00282 |
| 10.61       | 24.75       | 0.00324 | 7.07        | 21.21       | 0.00368 |
| 4.95        | 19.09       | 0.00395 | 3.54        | 17.68       | 0.00411 |
| 2.12        | 16.26       | 0.00427 | 0.71        | 14.85       | 0.00441 |
| -0.71       | 13.44       | 0.00452 | -13.44      | 0.71        | 0.00384 |
| -14.85      | -0.71       | 0.00367 | -16.26      | -2.12       | 0.00349 |
| -17.68      | -3.54       | 0.00332 | -19.09      | -4.95       | 0.00315 |
| -21.21      | -7.07       | 0.00291 | -24.75      | -10.61      | 0.00255 |
| -28.28      | -14.14      | 0.00224 | -35.36      | -21.21      | 0.00172 |
| -42.43      | -28.28      | 0.00134 | -49.50      | -35.36      | 0.00105 |
| -56.57      | -42.43      | 0.00083 | -63.64      | -49.50      | 0.00067 |
| -70.71      | -56.57      | 0.00054 | -77.78      | -63.64      | 0.00045 |
| 70.71       | 70.71       | 0.00042 | 63.64       | 63.64       | 0.00054 |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 56.57  | 56.57  | 0.00069 | 49.50  | 49.50  | 0.00090 |
| 42.43  | 42.43  | 0.00117 | 35.36  | 35.36  | 0.00153 |
| 28.28  | 28.28  | 0.00200 | 21.21  | 21.21  | 0.00256 |
| 17.68  | 17.68  | 0.00287 | 14.14  | 14.14  | 0.00319 |
| 12.02  | 12.02  | 0.00337 | 10.61  | 10.61  | 0.00348 |
| 9.19   | 9.19   | 0.00358 | 7.78   | 7.78   | 0.00366 |
| 6.36   | 6.36   | 0.00372 | -6.36  | -6.36  | 0.00325 |
| -7.78  | -7.78  | 0.00313 | -9.19  | -9.19  | 0.00302 |
| -10.61 | -10.61 | 0.00290 | -12.02 | -12.02 | 0.00277 |
| -14.14 | -14.14 | 0.00260 | -17.68 | -17.68 | 0.00232 |
| -21.21 | -21.21 | 0.00207 | -28.28 | -28.28 | 0.00164 |
| -35.36 | -35.36 | 0.00131 | -42.43 | -42.43 | 0.00105 |
| -49.50 | -49.50 | 0.00084 | -56.57 | -56.57 | 0.00068 |
| -63.64 | -63.64 | 0.00056 | -70.71 | -70.71 | 0.00046 |
| 77.78  | 63.64  | 0.00045 | 70.71  | 56.57  | 0.00056 |
| 63.64  | 49.50  | 0.00072 | 56.57  | 42.43  | 0.00091 |
| 49.50  | 35.36  | 0.00116 | 42.43  | 28.28  | 0.00148 |
| 35.36  | 21.21  | 0.00186 | 28.28  | 14.14  | 0.00229 |
| 24.75  | 10.61  | 0.00252 | 21.21  | 7.07   | 0.00275 |
| 19.09  | 4.95   | 0.00288 | 17.68  | 3.54   | 0.00295 |
| 16.26  | 2.12   | 0.00301 | 14.85  | 0.71   | 0.00306 |
| 13.44  | -0.71  | 0.00310 | 0.71   | -13.44 | 0.00276 |
| -0.71  | -14.85 | 0.00268 | -2.12  | -16.26 | 0.00260 |
| -3.54  | -17.68 | 0.00251 | -4.95  | -19.09 | 0.00243 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

| ** CONC OF OTHER |             |         | IN MICROGRAMS/M**3 |             |         |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M)      | Y-COORD (M) | CONC    | X-COORD (M)        | Y-COORD (M) | CONC    |
| -7.07            | -21.21      | 0.00229 | -10.61             | -24.75      | 0.00208 |
| -14.14           | -28.28      | 0.00188 | -21.21             | -35.36      | 0.00153 |
| -28.28           | -42.43      | 0.00125 | -35.36             | -49.50      | 0.00102 |
| -42.43           | -56.57      | 0.00084 | -49.50             | -63.64      | 0.00069 |
| -56.57           | -70.71      | 0.00057 | -63.64             | -77.78      | 0.00047 |
| 84.85            | 56.57       | 0.00047 | 77.78              | 49.50       | 0.00058 |
| 70.71            | 42.43       | 0.00073 | 63.64              | 35.36       | 0.00091 |
| 56.57            | 28.28       | 0.00113 | 49.50              | 21.21       | 0.00140 |
| 42.43            | 14.14       | 0.00170 | 35.36              | 7.07        | 0.00204 |
| 31.82            | 3.54        | 0.00222 | 28.28              | 0.00        | 0.00239 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 26.16  | -2.12  | 0.00247 | 24.75  | -3.54  | 0.00252 |
| 23.33  | -4.95  | 0.00256 | 21.92  | -6.36  | 0.00259 |
| 20.51  | -7.78  | 0.00261 | 7.78   | -20.51 | 0.00235 |
| 6.36   | -21.92 | 0.00230 | 4.95   | -23.33 | 0.00224 |
| 3.54   | -24.75 | 0.00218 | 2.12   | -26.16 | 0.00212 |
| 0.00   | -28.28 | 0.00202 | -3.54  | -31.82 | 0.00186 |
| -7.07  | -35.36 | 0.00170 | -14.14 | -42.43 | 0.00141 |
| -21.21 | -49.50 | 0.00118 | -28.28 | -56.57 | 0.00098 |
| -35.36 | -63.64 | 0.00082 | -42.43 | -70.71 | 0.00068 |
| -49.50 | -77.78 | 0.00057 | -56.57 | -84.85 | 0.00048 |
| 91.92  | 49.50  | 0.00048 | 84.85  | 42.43  | 0.00059 |
| 77.78  | 35.36  | 0.00073 | 70.71  | 28.28  | 0.00089 |
| 63.64  | 21.21  | 0.00108 | 56.57  | 14.14  | 0.00131 |
| 49.50  | 7.07   | 0.00155 | 42.43  | 0.00   | 0.00182 |
| 38.89  | -3.54  | 0.00196 | 35.36  | -7.07  | 0.00208 |
| 33.23  | -9.19  | 0.00214 | 31.82  | -10.61 | 0.00217 |
| 30.41  | -12.02 | 0.00220 | 28.99  | -13.44 | 0.00221 |
| 27.58  | -14.85 | 0.00222 | 14.85  | -27.58 | 0.00203 |
| 13.44  | -28.99 | 0.00199 | 12.02  | -30.41 | 0.00195 |
| 10.61  | -31.82 | 0.00190 | 9.19   | -33.23 | 0.00186 |
| 7.07   | -35.36 | 0.00178 | 3.54   | -38.89 | 0.00166 |
| 0.00   | -42.43 | 0.00153 | -7.07  | -49.50 | 0.00130 |
| -14.14 | -56.57 | 0.00110 | -21.21 | -63.64 | 0.00093 |
| -28.28 | -70.71 | 0.00079 | -35.36 | -77.78 | 0.00067 |
| -42.43 | -84.85 | 0.00057 | -49.50 | -91.92 | 0.00048 |
| 98.99  | 42.43  | 0.00049 | 91.92  | 35.36  | 0.00059 |
| 84.85  | 28.28  | 0.00072 | 77.78  | 21.21  | 0.00086 |
| 70.71  | 14.14  | 0.00103 | 63.64  | 7.07   | 0.00121 |
| 56.57  | 0.00   | 0.00141 | 49.50  | -7.07  | 0.00163 |
| 45.96  | -10.61 | 0.00173 | 42.43  | -14.14 | 0.00182 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.31       | -16.26      | 0.00186 | 38.89       | -17.68      | 0.00188 |
| 37.48       | -19.09      | 0.00190 | 36.06       | -20.51      | 0.00191 |
| 34.65       | -21.92      | 0.00192 | 21.92       | -34.65      | 0.00176 |
| 20.51       | -36.06      | 0.00173 | 19.09       | -37.48      | 0.00170 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 17.68  | -38.89  | 0.00167 | 16.26  | -40.31  | 0.00163 |
| 14.14  | -42.43  | 0.00158 | 10.61  | -45.96  | 0.00148 |
| 7.07   | -49.50  | 0.00138 | 0.00   | -56.57  | 0.00119 |
| -7.07  | -63.64  | 0.00102 | -14.14 | -70.71  | 0.00088 |
| -21.21 | -77.78  | 0.00076 | -28.28 | -84.85  | 0.00065 |
| -35.36 | -91.92  | 0.00056 | -42.43 | -98.99  | 0.00048 |
| 106.07 | 35.36   | 0.00049 | 98.99  | 28.28   | 0.00059 |
| 91.92  | 21.21   | 0.00070 | 84.85  | 14.14   | 0.00083 |
| 77.78  | 7.07    | 0.00096 | 70.71  | 0.00    | 0.00112 |
| 63.64  | -7.07   | 0.00128 | 56.57  | -14.14  | 0.00146 |
| 53.03  | -17.68  | 0.00154 | 49.50  | -21.21  | 0.00160 |
| 47.38  | -23.33  | 0.00163 | 45.96  | -24.75  | 0.00165 |
| 44.55  | -26.16  | 0.00166 | 43.13  | -27.58  | 0.00166 |
| 41.72  | -28.99  | 0.00167 | 28.99  | -41.72  | 0.00154 |
| 27.58  | -43.13  | 0.00152 | 26.16  | -44.55  | 0.00150 |
| 24.75  | -45.96  | 0.00147 | 23.33  | -47.38  | 0.00144 |
| 21.21  | -49.50  | 0.00140 | 17.68  | -53.03  | 0.00133 |
| 14.14  | -56.57  | 0.00125 | 7.07   | -63.64  | 0.00109 |
| 0.00   | -70.71  | 0.00095 | -7.07  | -77.78  | 0.00082 |
| -14.14 | -84.85  | 0.00072 | -21.21 | -91.92  | 0.00063 |
| -28.28 | -98.99  | 0.00054 | -35.36 | -106.07 | 0.00047 |
| 113.14 | 28.28   | 0.00049 | 106.07 | 21.21   | 0.00058 |
| 98.99  | 14.14   | 0.00068 | 91.92  | 7.07    | 0.00078 |
| 84.85  | 0.00    | 0.00090 | 77.78  | -7.07   | 0.00103 |
| 70.71  | -14.14  | 0.00117 | 63.64  | -21.21  | 0.00131 |
| 60.10  | -24.75  | 0.00137 | 56.57  | -28.28  | 0.00142 |
| 54.45  | -30.41  | 0.00144 | 53.03  | -31.82  | 0.00145 |
| 51.62  | -33.23  | 0.00146 | 50.20  | -34.65  | 0.00146 |
| 48.79  | -36.06  | 0.00146 | 36.06  | -48.79  | 0.00136 |
| 34.65  | -50.20  | 0.00135 | 33.23  | -51.62  | 0.00133 |
| 31.82  | -53.03  | 0.00131 | 30.41  | -54.45  | 0.00128 |
| 28.28  | -56.57  | 0.00125 | 24.75  | -60.10  | 0.00119 |
| 21.21  | -63.64  | 0.00113 | 14.14  | -70.71  | 0.00100 |
| 7.07   | -77.78  | 0.00088 | 0.00   | -84.85  | 0.00077 |
| -7.07  | -91.92  | 0.00068 | -14.14 | -98.99  | 0.00060 |
| -21.21 | -106.07 | 0.00053 | -28.28 | -113.14 | 0.00046 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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CONC      URBAN FLAT      FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION      VALUES FOR SOURCE GROUP: NCRA\_S4  
 \*\*\* INCLUDING SOURCE(S):      NCRA\_S4 ,  
 \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound  
 \*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 120.21      | 21.21       | 0.00049 | 113.14      | 14.14       | 0.00056 |
| 106.07      | 7.07        | 0.00065 | 98.99       | 0.00        | 0.00074 |
| 91.92       | -7.07       | 0.00084 | 84.85       | -14.14      | 0.00095 |
| 77.78       | -21.21      | 0.00107 | 70.71       | -28.28      | 0.00118 |
| 67.18       | -31.82      | 0.00123 | 63.64       | -35.36      | 0.00127 |
| 61.52       | -37.48      | 0.00128 | 60.10       | -38.89      | 0.00129 |
| 58.69       | -40.31      | 0.00129 | 57.28       | -41.72      | 0.00130 |
| 55.86       | -43.13      | 0.00130 | 43.13       | -55.86      | 0.00121 |
| 41.72       | -57.28      | 0.00120 | 40.31       | -58.69      | 0.00118 |
| 38.89       | -60.10      | 0.00117 | 37.48       | -61.52      | 0.00115 |
| 35.36       | -63.64      | 0.00112 | 31.82       | -67.18      | 0.00108 |
| 28.28       | -70.71      | 0.00103 | 21.21       | -77.78      | 0.00092 |
| 14.14       | -84.85      | 0.00081 | 7.07        | -91.92      | 0.00072 |
| 0.00        | -98.99      | 0.00064 | -7.07       | -106.07     | 0.00057 |
| -14.14      | -113.14     | 0.00051 | -21.21      | -120.21     | 0.00045 |
| 127.28      | 14.14       | 0.00048 | 120.21      | 7.07        | 0.00054 |
| 113.14      | 0.00        | 0.00062 | 106.07      | -7.07       | 0.00070 |
| 98.99       | -14.14      | 0.00078 | 91.92       | -21.21      | 0.00088 |
| 84.85       | -28.28      | 0.00098 | 77.78       | -35.36      | 0.00107 |
| 74.25       | -38.89      | 0.00111 | 70.71       | -42.43      | 0.00113 |
| 68.59       | -44.55      | 0.00115 | 67.18       | -45.96      | 0.00115 |
| 65.76       | -47.38      | 0.00115 | 64.35       | -48.79      | 0.00115 |
| 62.93       | -50.20      | 0.00115 | 50.20       | -62.93      | 0.00109 |
| 48.79       | -64.35      | 0.00107 | 47.38       | -65.76      | 0.00106 |
| 45.96       | -67.18      | 0.00105 | 44.55       | -68.59      | 0.00103 |
| 42.43       | -70.71      | 0.00101 | 38.89       | -74.25      | 0.00097 |
| 35.36       | -77.78      | 0.00093 | 28.28       | -84.85      | 0.00085 |
| 21.21       | -91.92      | 0.00076 | 14.14       | -98.99      | 0.00067 |
| 7.07        | -106.07     | 0.00060 | 0.00        | -113.14     | 0.00054 |
| -7.07       | -120.21     | 0.00048 | -14.14      | -127.28     | 0.00043 |
| 134.35      | 7.07        | 0.00046 | 127.28      | 0.00        | 0.00052 |
| 120.21      | -7.07       | 0.00059 | 113.14      | -14.14      | 0.00066 |
| 106.07      | -21.21      | 0.00073 | 98.99       | -28.28      | 0.00082 |
| 91.92       | -35.36      | 0.00090 | 84.85       | -42.43      | 0.00097 |
| 81.32       | -45.96      | 0.00100 | 77.78       | -49.50      | 0.00102 |
| 75.66       | -51.62      | 0.00103 | 74.25       | -53.03      | 0.00103 |
| 72.83       | -54.45      | 0.00104 | 71.42       | -55.86      | 0.00104 |
| 70.00       | -57.28      | 0.00104 | 57.28       | -70.00      | 0.00098 |
| 55.86       | -71.42      | 0.00097 | 54.45       | -72.83      | 0.00096 |
| 53.03       | -74.25      | 0.00095 | 51.62       | -75.66      | 0.00093 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
 04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

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\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4  
\*\*\* INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

|             |             | ** CONC OF OTHER | IN MICROGRAMS/M**3 |             | **      |
|-------------|-------------|------------------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC             | X-COORD (M)        | Y-COORD (M) | CONC    |
| 49.50       | -77.78      | 0.00092          | 45.96              | -81.32      | 0.00089 |
| 42.43       | -84.85      | 0.00085          | 35.36              | -91.92      | 0.00078 |
| 28.28       | -98.99      | 0.00070          | 21.21              | -106.07     | 0.00063 |
| 14.14       | -113.14     | 0.00057          | 7.07               | -120.21     | 0.00051 |
| 0.00        | -127.28     | 0.00046          | -7.07              | -134.35     | 0.00042 |
| 141.42      | 0.00        | 0.00045          | 134.35             | -7.07       | 0.00050 |
| 127.28      | -14.14      | 0.00056          | 120.21             | -21.21      | 0.00062 |
| 113.14      | -28.28      | 0.00069          | 106.07             | -35.36      | 0.00076 |
| 98.99       | -42.43      | 0.00083          | 91.92              | -49.50      | 0.00089 |
| 88.39       | -53.03      | 0.00091          | 84.85              | -56.57      | 0.00093 |
| 82.73       | -58.69      | 0.00093          | 81.32              | -60.10      | 0.00093 |
| 79.90       | -61.52      | 0.00094          | 78.49              | -62.93      | 0.00094 |
| 77.07       | -64.35      | 0.00093          | 64.35              | -77.07      | 0.00089 |
| 62.93       | -78.49      | 0.00088          | 61.52              | -79.90      | 0.00087 |
| 60.10       | -81.32      | 0.00086          | 58.69              | -82.73      | 0.00085 |
| 56.57       | -84.85      | 0.00083          | 53.03              | -88.39      | 0.00081 |
| 49.50       | -91.92      | 0.00078          | 42.43              | -98.99      | 0.00072 |
| 35.36       | -106.07     | 0.00066          | 28.28              | -113.14     | 0.00059 |
| 21.21       | -120.21     | 0.00053          | 14.14              | -127.28     | 0.00048 |
| 7.07        | -134.35     | 0.00044          | 0.00               | -141.42     | 0.00040 |
| 148.49      | -7.07       | 0.00043          | 141.42             | -14.14      | 0.00048 |
| 134.35      | -21.21      | 0.00053          | 127.28             | -28.28      | 0.00058 |
| 120.21      | -35.36      | 0.00064          | 113.14             | -42.43      | 0.00071 |
| 106.07      | -49.50      | 0.00076          | 98.99              | -56.57      | 0.00081 |
| 95.46       | -60.10      | 0.00083          | 91.92              | -63.64      | 0.00084 |
| 89.80       | -65.76      | 0.00085          | 88.39              | -67.18      | 0.00085 |
| 86.97       | -68.59      | 0.00085          | 85.56              | -70.00      | 0.00085 |
| 84.15       | -71.42      | 0.00085          | 71.42              | -84.15      | 0.00081 |
| 70.00       | -85.56      | 0.00080          | 68.59              | -86.97      | 0.00079 |
| 67.18       | -88.39      | 0.00078          | 65.76              | -89.80      | 0.00077 |
| 63.64       | -91.92      | 0.00076          | 60.10              | -95.46      | 0.00074 |
| 56.57       | -98.99      | 0.00072          | 49.50              | -106.07     | 0.00067 |
| 42.43       | -113.14     | 0.00061          | 35.36              | -120.21     | 0.00056 |
| 28.28       | -127.28     | 0.00050          | 21.21              | -134.35     | 0.00046 |
| 14.14       | -141.42     | 0.00042          | 7.07               | -148.49     | 0.00038 |
| 155.56      | -14.14      | 0.00041          | 148.49             | -21.21      | 0.00045 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 141.42 | -28.28 | 0.00050 | 134.35 | -35.36 | 0.00055 |
| 127.28 | -42.43 | 0.00060 | 120.21 | -49.50 | 0.00066 |
| 113.14 | -56.57 | 0.00071 | 106.07 | -63.64 | 0.00075 |
| 102.53 | -67.18 | 0.00076 | 98.99  | -70.71 | 0.00077 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* 04/20/08 \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 \*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 96.87       | -72.83      | 0.00077 | 95.46       | -74.25      | 0.00077 |
| 94.05       | -75.66      | 0.00077 | 92.63       | -77.07      | 0.00077 |
| 91.22       | -78.49      | 0.00077 | 78.49       | -91.22      | 0.00074 |
| 77.07       | -92.63      | 0.00073 | 75.66       | -94.05      | 0.00072 |
| 74.25       | -95.46      | 0.00072 | 72.83       | -96.87      | 0.00071 |
| 70.71       | -98.99      | 0.00070 | 67.18       | -102.53     | 0.00068 |
| 63.64       | -106.07     | 0.00066 | 56.57       | -113.14     | 0.00062 |
| 49.50       | -120.21     | 0.00057 | 42.43       | -127.28     | 0.00052 |
| 35.36       | -134.35     | 0.00048 | 28.28       | -141.42     | 0.00043 |
| 21.21       | -148.49     | 0.00040 | 14.14       | -155.56     | 0.00036 |
| 162.63      | -21.21      | 0.00039 | 155.56      | -28.28      | 0.00043 |
| 148.49      | -35.36      | 0.00047 | 141.42      | -42.43      | 0.00052 |
| 134.35      | -49.50      | 0.00057 | 127.28      | -56.57      | 0.00061 |
| 120.21      | -63.64      | 0.00066 | 113.14      | -70.71      | 0.00069 |
| 109.60      | -74.25      | 0.00070 | 106.07      | -77.78      | 0.00071 |
| 103.94      | -79.90      | 0.00071 | 102.53      | -81.32      | 0.00071 |
| 101.12      | -82.73      | 0.00071 | 99.70       | -84.15      | 0.00071 |
| 98.29       | -85.56      | 0.00071 | 85.56       | -98.29      | 0.00068 |
| 84.15       | -99.70      | 0.00067 | 82.73       | -101.12     | 0.00066 |
| 81.32       | -102.53     | 0.00066 | 79.90       | -103.94     | 0.00065 |
| 77.78       | -106.07     | 0.00064 | 74.25       | -109.60     | 0.00063 |
| 70.71       | -113.14     | 0.00061 | 63.64       | -120.21     | 0.00057 |
| 56.57       | -127.28     | 0.00053 | 49.50       | -134.35     | 0.00049 |
| 42.43       | -141.42     | 0.00045 | 35.36       | -148.49     | 0.00041 |
| 28.28       | -155.56     | 0.00038 | 21.21       | -162.63     | 0.00035 |
| 169.71      | -28.28      | 0.00038 | 162.63      | -35.36      | 0.00041 |
| 155.56      | -42.43      | 0.00045 | 148.49      | -49.50      | 0.00049 |
| 141.42      | -56.57      | 0.00053 | 134.35      | -63.64      | 0.00057 |
| 127.28      | -70.71      | 0.00061 | 120.21      | -77.78      | 0.00064 |
| 116.67      | -81.32      | 0.00064 | 113.14      | -84.85      | 0.00065 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 111.02 | -86.97  | 0.00065 | 109.60 | -88.39  | 0.00065 |
| 108.19 | -89.80  | 0.00065 | 106.77 | -91.22  | 0.00065 |
| 105.36 | -92.63  | 0.00065 | 92.63  | -105.36 | 0.00062 |
| 91.22  | -106.77 | 0.00062 | 89.80  | -108.19 | 0.00061 |
| 88.39  | -109.60 | 0.00061 | 86.97  | -111.02 | 0.00060 |
| 84.85  | -113.14 | 0.00059 | 81.32  | -116.67 | 0.00058 |
| 77.78  | -120.21 | 0.00057 | 70.71  | -127.28 | 0.00053 |
| 63.64  | -134.35 | 0.00050 | 56.57  | -141.42 | 0.00046 |
| 49.50  | -148.49 | 0.00043 | 42.43  | -155.56 | 0.00039 |
| 35.36  | -162.63 | 0.00036 | 28.28  | -169.71 | 0.00033 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4

\*\*\*

INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 176.78      | -35.36      | 0.00036 | 169.71      | -42.43      | 0.00039 |
| 162.63      | -49.50      | 0.00043 | 155.56      | -56.57      | 0.00046 |
| 148.49      | -63.64      | 0.00050 | 141.42      | -70.71      | 0.00054 |
| 134.35      | -77.78      | 0.00057 | 127.28      | -84.85      | 0.00059 |
| 123.74      | -88.39      | 0.00060 | 120.21      | -91.92      | 0.00060 |
| 118.09      | -94.05      | 0.00060 | 116.67      | -95.46      | 0.00060 |
| 115.26      | -96.87      | 0.00060 | 113.84      | -98.29      | 0.00060 |
| 112.43      | -99.70      | 0.00060 | 99.70       | -112.43     | 0.00057 |
| 98.29       | -113.84     | 0.00057 | 96.87       | -115.26     | 0.00057 |
| 95.46       | -116.67     | 0.00056 | 94.05       | -118.09     | 0.00056 |
| 91.92       | -120.21     | 0.00055 | 88.39       | -123.74     | 0.00054 |
| 84.85       | -127.28     | 0.00053 | 77.78       | -134.35     | 0.00050 |
| 70.71       | -141.42     | 0.00047 | 63.64       | -148.49     | 0.00044 |
| 56.57       | -155.56     | 0.00040 | 49.50       | -162.63     | 0.00037 |
| 42.43       | -169.71     | 0.00034 | 35.36       | -176.78     | 0.00032 |
| 183.85      | -42.43      | 0.00035 | 176.78      | -49.50      | 0.00037 |
| 169.71      | -56.57      | 0.00041 | 162.63      | -63.64      | 0.00044 |
| 155.56      | -70.71      | 0.00047 | 148.49      | -77.78      | 0.00050 |
| 141.42      | -84.85      | 0.00053 | 134.35      | -91.92      | 0.00055 |
| 130.81      | -95.46      | 0.00055 | 127.28      | -98.99      | 0.00056 |
| 125.16      | -101.12     | 0.00056 | 123.74      | -102.53     | 0.00056 |
| 122.33      | -103.94     | 0.00056 | 120.92      | -105.36     | 0.00056 |
| 119.50      | -106.77     | 0.00055 | 106.77      | -119.50     | 0.00053 |
| 105.36      | -120.92     | 0.00053 | 103.94      | -122.33     | 0.00053 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 102.53 | -123.74 | 0.00052 | 101.12 | -125.16 | 0.00052 |
| 98.99  | -127.28 | 0.00051 | 95.46  | -130.81 | 0.00050 |
| 91.92  | -134.35 | 0.00049 | 84.85  | -141.42 | 0.00047 |
| 77.78  | -148.49 | 0.00044 | 70.71  | -155.56 | 0.00041 |
| 63.64  | -162.63 | 0.00038 | 56.57  | -169.71 | 0.00036 |
| 49.50  | -176.78 | 0.00033 | 42.43  | -183.85 | 0.00030 |
| 190.92 | -49.50  | 0.00033 | 183.85 | -56.57  | 0.00036 |
| 176.78 | -63.64  | 0.00039 | 169.71 | -70.71  | 0.00042 |
| 162.63 | -77.78  | 0.00045 | 155.56 | -84.85  | 0.00047 |
| 148.49 | -91.92  | 0.00049 | 141.42 | -98.99  | 0.00051 |
| 137.89 | -102.53 | 0.00051 | 134.35 | -106.07 | 0.00052 |
| 132.23 | -108.19 | 0.00052 | 130.81 | -109.60 | 0.00052 |
| 129.40 | -111.02 | 0.00052 | 127.99 | -112.43 | 0.00052 |
| 126.57 | -113.84 | 0.00052 | 113.84 | -126.57 | 0.00050 |
| 112.43 | -127.99 | 0.00049 | 111.02 | -129.40 | 0.00049 |
| 109.60 | -130.81 | 0.00049 | 108.19 | -132.23 | 0.00048 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4

\*\*\*

INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 106.07      | -134.35     | 0.00048 | 102.53      | -137.89     | 0.00047 |
| 98.99       | -141.42     | 0.00046 | 91.92       | -148.49     | 0.00044 |
| 84.85       | -155.56     | 0.00041 | 77.78       | -162.63     | 0.00039 |
| 70.71       | -169.71     | 0.00036 | 63.64       | -176.78     | 0.00034 |
| 56.57       | -183.85     | 0.00031 | 49.50       | -190.92     | 0.00029 |
| 197.99      | -56.57      | 0.00032 | 190.92      | -63.64      | 0.00034 |
| 183.85      | -70.71      | 0.00037 | 176.78      | -77.78      | 0.00039 |
| 169.71      | -84.85      | 0.00042 | 162.63      | -91.92      | 0.00044 |
| 155.56      | -98.99      | 0.00046 | 148.49      | -106.07     | 0.00048 |
| 144.96      | -109.60     | 0.00048 | 141.42      | -113.14     | 0.00048 |
| 139.30      | -115.26     | 0.00048 | 137.89      | -116.67     | 0.00048 |
| 136.47      | -118.09     | 0.00048 | 135.06      | -119.50     | 0.00048 |
| 133.64      | -120.92     | 0.00048 | 120.92      | -133.64     | 0.00046 |
| 119.50      | -135.06     | 0.00046 | 118.09      | -136.47     | 0.00046 |
| 116.67      | -137.89     | 0.00045 | 115.26      | -139.30     | 0.00045 |
| 113.14      | -141.42     | 0.00045 | 109.60      | -144.96     | 0.00044 |
| 106.07      | -148.49     | 0.00043 | 98.99       | -155.56     | 0.00041 |
| 91.92       | -162.63     | 0.00039 | 84.85       | -169.71     | 0.00037 |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 77.78  | -176.78 | 0.00035 | 70.71  | -183.85 | 0.00032 |
| 63.64  | -190.92 | 0.00030 | 56.57  | -197.99 | 0.00028 |
| 205.06 | -63.64  | 0.00030 | 197.99 | -70.71  | 0.00033 |
| 190.92 | -77.78  | 0.00035 | 183.85 | -84.85  | 0.00037 |
| 176.78 | -91.92  | 0.00040 | 169.71 | -98.99  | 0.00042 |
| 162.63 | -106.07 | 0.00043 | 155.56 | -113.14 | 0.00045 |
| 152.03 | -116.67 | 0.00045 | 148.49 | -120.21 | 0.00045 |
| 146.37 | -122.33 | 0.00045 | 144.96 | -123.74 | 0.00045 |
| 143.54 | -125.16 | 0.00045 | 142.13 | -126.57 | 0.00045 |
| 140.71 | -127.99 | 0.00045 | 127.99 | -140.71 | 0.00043 |
| 126.57 | -142.13 | 0.00043 | 125.16 | -143.54 | 0.00043 |
| 123.74 | -144.96 | 0.00042 | 122.33 | -146.37 | 0.00042 |
| 120.21 | -148.49 | 0.00042 | 116.67 | -152.03 | 0.00041 |
| 113.14 | -155.56 | 0.00040 | 106.07 | -162.63 | 0.00039 |
| 98.99  | -169.71 | 0.00037 | 91.92  | -176.78 | 0.00035 |
| 84.85  | -183.85 | 0.00033 | 77.78  | -190.92 | 0.00031 |
| 70.71  | -197.99 | 0.00029 | 63.64  | -205.06 | 0.00027 |
| 212.13 | -70.71  | 0.00029 | 205.06 | -77.78  | 0.00031 |
| 197.99 | -84.85  | 0.00033 | 190.92 | -91.92  | 0.00036 |
| 183.85 | -98.99  | 0.00038 | 176.78 | -106.07 | 0.00039 |
| 169.71 | -113.14 | 0.00041 | 162.63 | -120.21 | 0.00042 |
| 159.10 | -123.74 | 0.00042 | 155.56 | -127.28 | 0.00042 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4  
 INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 153.44      | -129.40     | 0.00042 | 152.03      | -130.81     | 0.00042 |
| 150.61      | -132.23     | 0.00042 | 149.20      | -133.64     | 0.00042 |
| 147.79      | -135.06     | 0.00042 | 135.06      | -147.79     | 0.00041 |
| 133.64      | -149.20     | 0.00040 | 132.23      | -150.61     | 0.00040 |
| 130.81      | -152.03     | 0.00040 | 129.40      | -153.44     | 0.00040 |
| 127.28      | -155.56     | 0.00039 | 123.74      | -159.10     | 0.00039 |
| 120.21      | -162.63     | 0.00038 | 113.14      | -169.71     | 0.00036 |
| 106.07      | -176.78     | 0.00035 | 98.99       | -183.85     | 0.00033 |
| 91.92       | -190.92     | 0.00031 | 84.85       | -197.99     | 0.00029 |
| 77.78       | -205.06     | 0.00028 | 70.71       | -212.13     | 0.00026 |
| 219.20      | -77.78      | 0.00028 | 212.13      | -84.85      | 0.00030 |
| 205.06      | -91.92      | 0.00032 | 197.99      | -98.99      | 0.00034 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 190.92 | -106.07 | 0.00036 | 183.85 | -113.14 | 0.00037 |
| 176.78 | -120.21 | 0.00038 | 169.71 | -127.28 | 0.00039 |
| 166.17 | -130.81 | 0.00039 | 162.63 | -134.35 | 0.00040 |
| 160.51 | -136.47 | 0.00040 | 159.10 | -137.89 | 0.00040 |
| 157.68 | -139.30 | 0.00039 | 156.27 | -140.71 | 0.00039 |
| 154.86 | -142.13 | 0.00039 | 142.13 | -154.86 | 0.00038 |
| 140.71 | -156.27 | 0.00038 | 139.30 | -157.68 | 0.00038 |
| 137.89 | -159.10 | 0.00037 | 136.47 | -160.51 | 0.00037 |
| 134.35 | -162.63 | 0.00037 | 130.81 | -166.17 | 0.00036 |
| 127.28 | -169.71 | 0.00036 | 120.21 | -176.78 | 0.00034 |
| 113.14 | -183.85 | 0.00033 | 106.07 | -190.92 | 0.00031 |
| 98.99  | -197.99 | 0.00030 | 91.92  | -205.06 | 0.00028 |
| 84.85  | -212.13 | 0.00026 | 77.78  | -219.20 | 0.00025 |
| 226.27 | -84.85  | 0.00027 | 219.20 | -91.92  | 0.00029 |
| 212.13 | -98.99  | 0.00031 | 205.06 | -106.07 | 0.00032 |
| 197.99 | -113.14 | 0.00034 | 190.92 | -120.21 | 0.00035 |
| 183.85 | -127.28 | 0.00036 | 176.78 | -134.35 | 0.00037 |
| 173.24 | -137.89 | 0.00037 | 169.71 | -141.42 | 0.00037 |
| 167.58 | -143.54 | 0.00037 | 166.17 | -144.96 | 0.00037 |
| 164.76 | -146.37 | 0.00037 | 163.34 | -147.79 | 0.00037 |
| 161.93 | -149.20 | 0.00037 | 149.20 | -161.93 | 0.00036 |
| 147.79 | -163.34 | 0.00036 | 146.37 | -164.76 | 0.00035 |
| 144.96 | -166.17 | 0.00035 | 143.54 | -167.58 | 0.00035 |
| 141.42 | -169.71 | 0.00035 | 137.89 | -173.24 | 0.00034 |
| 134.35 | -176.78 | 0.00034 | 127.28 | -183.85 | 0.00033 |
| 120.21 | -190.92 | 0.00031 | 113.14 | -197.99 | 0.00030 |
| 106.07 | -205.06 | 0.00028 | 98.99  | -212.13 | 0.00027 |
| 91.92  | -219.20 | 0.00025 | 84.85  | -226.27 | 0.00024 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
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\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4  
 INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 233.35      | -91.92      | 0.00026 | 226.27      | -98.99      | 0.00028 |
| 219.20      | -106.07     | 0.00029 | 212.13      | -113.14     | 0.00031 |
| 205.06      | -120.21     | 0.00032 | 197.99      | -127.28     | 0.00033 |
| 190.92      | -134.35     | 0.00034 | 183.85      | -141.42     | 0.00035 |
| 180.31      | -144.96     | 0.00035 | 176.78      | -148.49     | 0.00035 |
| 174.66      | -150.61     | 0.00035 | 173.24      | -152.03     | 0.00035 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 171.83 | -153.44 | 0.00035 | 170.41 | -154.86 | 0.00035 |
| 169.00 | -156.27 | 0.00035 | 156.27 | -169.00 | 0.00034 |
| 154.86 | -170.41 | 0.00034 | 153.44 | -171.83 | 0.00033 |
| 152.03 | -173.24 | 0.00033 | 150.61 | -174.66 | 0.00033 |
| 148.49 | -176.78 | 0.00033 | 144.96 | -180.31 | 0.00032 |
| 141.42 | -183.85 | 0.00032 | 134.35 | -190.92 | 0.00031 |
| 127.28 | -197.99 | 0.00030 | 120.21 | -205.06 | 0.00028 |
| 113.14 | -212.13 | 0.00027 | 106.07 | -219.20 | 0.00026 |
| 98.99  | -226.27 | 0.00024 | 91.92  | -233.35 | 0.00023 |
| 240.42 | -98.99  | 0.00025 | 233.35 | -106.07 | 0.00026 |
| 226.27 | -113.14 | 0.00028 | 219.20 | -120.21 | 0.00029 |
| 212.13 | -127.28 | 0.00031 | 205.06 | -134.35 | 0.00032 |
| 197.99 | -141.42 | 0.00032 | 190.92 | -148.49 | 0.00033 |
| 187.38 | -152.03 | 0.00033 | 183.85 | -155.56 | 0.00033 |
| 181.73 | -157.68 | 0.00033 | 180.31 | -159.10 | 0.00033 |
| 178.90 | -160.51 | 0.00033 | 177.48 | -161.93 | 0.00033 |
| 176.07 | -163.34 | 0.00033 | 163.34 | -176.07 | 0.00032 |
| 161.93 | -177.48 | 0.00032 | 160.51 | -178.90 | 0.00032 |
| 159.10 | -180.31 | 0.00031 | 157.68 | -181.73 | 0.00031 |
| 155.56 | -183.85 | 0.00031 | 152.03 | -187.38 | 0.00031 |
| 148.49 | -190.92 | 0.00030 | 141.42 | -197.99 | 0.00029 |
| 134.35 | -205.06 | 0.00028 | 127.28 | -212.13 | 0.00027 |
| 120.21 | -219.20 | 0.00026 | 113.14 | -226.27 | 0.00025 |
| 106.07 | -233.35 | 0.00023 | 98.99  | -240.42 | 0.00022 |
| 247.49 | -106.07 | 0.00024 | 240.42 | -113.14 | 0.00025 |
| 233.35 | -120.21 | 0.00027 | 226.27 | -127.28 | 0.00028 |
| 219.20 | -134.35 | 0.00029 | 212.13 | -141.42 | 0.00030 |
| 205.06 | -148.49 | 0.00031 | 197.99 | -155.56 | 0.00031 |
| 194.45 | -159.10 | 0.00031 | 190.92 | -162.63 | 0.00031 |
| 188.80 | -164.76 | 0.00031 | 187.38 | -166.17 | 0.00031 |
| 185.97 | -167.58 | 0.00031 | 184.55 | -169.00 | 0.00031 |
| 183.14 | -170.41 | 0.00031 | 170.41 | -183.14 | 0.00030 |
| 169.00 | -184.55 | 0.00030 | 167.58 | -185.97 | 0.00030 |
| 166.17 | -187.38 | 0.00030 | 164.76 | -188.80 | 0.00030 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08 \*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4  
 INCLUDING SOURCE(S): NCRA\_S4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|------|-------------|-------------|------|
|-------------|-------------|------|-------------|-------------|------|

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 162.63 | -190.92 | 0.00029 | 159.10 | -194.45 | 0.00029 |
| 155.56 | -197.99 | 0.00029 | 148.49 | -205.06 | 0.00028 |
| 141.42 | -212.13 | 0.00027 | 134.35 | -219.20 | 0.00026 |
| 127.28 | -226.27 | 0.00025 | 120.21 | -233.35 | 0.00024 |
| 113.14 | -240.42 | 0.00022 | 106.07 | -247.49 | 0.00021 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
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\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S5

\*\*\*

INCLUDING SOURCE(S): NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -106.07     | 247.49      | 0.00010 | -113.14     | 240.42      | 0.00011 |
| -120.21     | 233.35      | 0.00014 | -127.28     | 226.27      | 0.00017 |
| -134.35     | 219.20      | 0.00021 | -141.42     | 212.13      | 0.00028 |
| -148.49     | 205.06      | 0.00038 | -155.56     | 197.99      | 0.00052 |
| -159.10     | 194.45      | 0.00063 | -162.63     | 190.92      | 0.00075 |
| -164.76     | 188.80      | 0.00083 | -166.17     | 187.38      | 0.00089 |
| -167.58     | 185.97      | 0.00095 | -169.00     | 184.55      | 0.00101 |
| -170.41     | 183.14      | 0.00107 | -183.14     | 170.41      | 0.00114 |
| -184.55     | 169.00      | 0.00110 | -185.97     | 167.58      | 0.00107 |
| -187.38     | 166.17      | 0.00104 | -188.80     | 164.76      | 0.00101 |
| -190.92     | 162.63      | 0.00096 | -194.45     | 159.10      | 0.00087 |
| -197.99     | 155.56      | 0.00079 | -205.06     | 148.49      | 0.00066 |
| -212.13     | 141.42      | 0.00054 | -219.20     | 134.35      | 0.00045 |
| -226.27     | 127.28      | 0.00037 | -233.35     | 120.21      | 0.00032 |
| -240.42     | 113.14      | 0.00027 | -247.49     | 106.07      | 0.00023 |
| -98.99      | 240.42      | 0.00010 | -106.07     | 233.35      | 0.00012 |
| -113.14     | 226.27      | 0.00014 | -120.21     | 219.20      | 0.00018 |
| -127.28     | 212.13      | 0.00022 | -134.35     | 205.06      | 0.00029 |
| -141.42     | 197.99      | 0.00039 | -148.49     | 190.92      | 0.00055 |
| -152.03     | 187.38      | 0.00067 | -155.56     | 183.85      | 0.00081 |
| -157.68     | 181.73      | 0.00092 | -159.10     | 180.31      | 0.00101 |
| -160.51     | 178.90      | 0.00110 | -161.93     | 177.48      | 0.00120 |
| -163.34     | 176.07      | 0.00129 | -176.07     | 163.34      | 0.00140 |
| -177.48     | 161.93      | 0.00134 | -178.90     | 160.51      | 0.00128 |
| -180.31     | 159.10      | 0.00122 | -181.73     | 157.68      | 0.00116 |
| -183.85     | 155.56      | 0.00108 | -187.38     | 152.03      | 0.00097 |
| -190.92     | 148.49      | 0.00087 | -197.99     | 141.42      | 0.00071 |
| -205.06     | 134.35      | 0.00057 | -212.13     | 127.28      | 0.00047 |
| -219.20     | 120.21      | 0.00039 | -226.27     | 113.14      | 0.00033 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -233.35 | 106.07 | 0.00028 | -240.42 | 98.99  | 0.00024 |
| -91.92  | 233.35 | 0.00011 | -98.99  | 226.27 | 0.00013 |
| -106.07 | 219.20 | 0.00015 | -113.14 | 212.13 | 0.00019 |
| -120.21 | 205.06 | 0.00023 | -127.28 | 197.99 | 0.00030 |
| -134.35 | 190.92 | 0.00041 | -141.42 | 183.85 | 0.00058 |
| -144.96 | 180.31 | 0.00071 | -148.49 | 176.78 | 0.00087 |
| -150.61 | 174.66 | 0.00100 | -152.03 | 173.24 | 0.00109 |
| -153.44 | 171.83 | 0.00120 | -154.86 | 170.41 | 0.00134 |
| -156.27 | 169.00 | 0.00148 | -169.00 | 156.27 | 0.00165 |
| -170.41 | 154.86 | 0.00154 | -171.83 | 153.44 | 0.00144 |
| -173.24 | 152.03 | 0.00135 | -174.66 | 150.61 | 0.00128 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
 PAGE 104  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S5  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -176.78     | 148.49      | 0.00118 | -180.31     | 144.96      | 0.00104 |
| -183.85     | 141.42      | 0.00093 | -190.92     | 134.35      | 0.00074 |
| -197.99     | 127.28      | 0.00060 | -205.06     | 120.21      | 0.00049 |
| -212.13     | 113.14      | 0.00040 | -219.20     | 106.07      | 0.00034 |
| -226.27     | 99.00       | 0.00029 | -233.35     | 91.92       | 0.00025 |
| -84.85      | 226.27      | 0.00012 | -91.92      | 219.20      | 0.00014 |
| -98.99      | 212.13      | 0.00016 | -106.07     | 205.06      | 0.00020 |
| -113.14     | 197.99      | 0.00025 | -120.21     | 190.92      | 0.00033 |
| -127.28     | 183.85      | 0.00045 | -134.35     | 176.78      | 0.00064 |
| -137.89     | 173.24      | 0.00078 | -141.42     | 169.71      | 0.00097 |
| -143.54     | 167.58      | 0.00112 | -144.96     | 166.17      | 0.00123 |
| -146.37     | 164.76      | 0.00137 | -147.79     | 163.34      | 0.00154 |
| -149.20     | 161.93      | 0.00177 | -161.93     | 149.20      | 0.00190 |
| -163.34     | 147.79      | 0.00172 | -164.76     | 146.37      | 0.00159 |
| -166.17     | 144.96      | 0.00148 | -167.58     | 143.54      | 0.00139 |
| -169.71     | 141.42      | 0.00127 | -173.24     | 137.89      | 0.00111 |
| -176.78     | 134.35      | 0.00098 | -183.85     | 127.28      | 0.00078 |
| -190.92     | 120.21      | 0.00062 | -197.99     | 113.14      | 0.00050 |
| -205.06     | 106.07      | 0.00041 | -212.13     | 99.00       | 0.00035 |
| -219.20     | 91.92       | 0.00030 | -226.27     | 84.85       | 0.00026 |
| -77.78      | 219.20      | 0.00013 | -84.85      | 212.13      | 0.00015 |
| -91.92      | 205.06      | 0.00018 | -98.99      | 197.99      | 0.00022 |
| -106.07     | 190.92      | 0.00028 | -113.14     | 183.85      | 0.00036 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -120.21 | 176.78 | 0.00050 | -127.28 | 169.71 | 0.00074 |
| -130.81 | 166.17 | 0.00094 | -134.35 | 162.63 | 0.00124 |
| -136.47 | 160.51 | 0.00150 | -137.89 | 159.10 | 0.00173 |
| -139.30 | 157.68 | 0.00202 | -140.71 | 156.27 | 0.00241 |
| -142.13 | 154.86 | 0.00295 | -154.86 | 142.13 | 0.00255 |
| -156.27 | 140.71 | 0.00219 | -157.68 | 139.30 | 0.00194 |
| -159.10 | 137.89 | 0.00175 | -160.51 | 136.47 | 0.00161 |
| -162.63 | 134.35 | 0.00144 | -166.17 | 130.81 | 0.00123 |
| -169.71 | 127.28 | 0.00107 | -176.78 | 120.21 | 0.00083 |
| -183.85 | 113.14 | 0.00065 | -190.92 | 106.07 | 0.00053 |
| -197.99 | 99.00  | 0.00043 | -205.06 | 91.92  | 0.00036 |
| -212.13 | 84.85  | 0.00031 | -219.20 | 77.78  | 0.00026 |
| -70.71  | 212.13 | 0.00014 | -77.78  | 205.06 | 0.00016 |
| -84.85  | 197.99 | 0.00020 | -91.92  | 190.92 | 0.00024 |
| -98.99  | 183.85 | 0.00031 | -106.07 | 176.78 | 0.00041 |
| -113.14 | 169.71 | 0.00059 | -120.21 | 162.63 | 0.00095 |
| -123.74 | 159.10 | 0.00126 | -127.28 | 155.56 | 0.00177 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S5

\*\*\*

INCLUDING SOURCE(S): NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40     | 153.44      | 0.00221 | -130.81     | 152.03      | 0.00258 |
| -132.23     | 150.61      | 0.00304 | -133.64     | 149.20      | 0.00360 |
| -135.06     | 147.79      | 0.00431 | -147.79     | 135.06      | 0.00337 |
| -149.20     | 133.64      | 0.00287 | -150.61     | 132.23      | 0.00250 |
| -152.03     | 130.81      | 0.00222 | -153.44     | 129.40      | 0.00199 |
| -155.56     | 127.28      | 0.00173 | -159.10     | 123.74      | 0.00142 |
| -162.63     | 120.21      | 0.00120 | -169.71     | 113.14      | 0.00090 |
| -176.78     | 106.07      | 0.00070 | -183.85     | 98.99       | 0.00056 |
| -190.92     | 91.92       | 0.00046 | -197.99     | 84.85       | 0.00039 |
| -205.06     | 77.78       | 0.00032 | -212.13     | 70.71       | 0.00028 |
| -63.64      | 205.06      | 0.00015 | -70.71      | 197.99      | 0.00018 |
| -77.78      | 190.92      | 0.00022 | -84.85      | 183.85      | 0.00027 |
| -91.92      | 176.78      | 0.00036 | -98.99      | 169.71      | 0.00050 |
| -106.07     | 162.63      | 0.00075 | -113.14     | 155.56      | 0.00125 |
| -116.67     | 152.03      | 0.00171 | -120.21     | 148.49      | 0.00239 |
| -122.33     | 146.37      | 0.00296 | -123.74     | 144.96      | 0.00342 |
| -125.16     | 143.54      | 0.00398 | -126.57     | 142.13      | 0.00463 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -127.99 | 140.71 | 0.00543 | -140.71 | 127.99 | 0.00412 |
| -142.13 | 126.57 | 0.00353 | -143.54 | 125.16 | 0.00308 |
| -144.96 | 123.74 | 0.00273 | -146.37 | 122.33 | 0.00244 |
| -148.49 | 120.21 | 0.00210 | -152.03 | 116.67 | 0.00167 |
| -155.56 | 113.14 | 0.00137 | -162.63 | 106.07 | 0.00099 |
| -169.71 | 98.99  | 0.00076 | -176.78 | 91.92  | 0.00061 |
| -183.85 | 84.85  | 0.00049 | -190.92 | 77.78  | 0.00041 |
| -197.99 | 70.71  | 0.00034 | -205.06 | 63.64  | 0.00029 |
| -56.57  | 197.99 | 0.00016 | -63.64  | 190.92 | 0.00020 |
| -70.71  | 183.85 | 0.00025 | -77.78  | 176.78 | 0.00032 |
| -84.85  | 169.71 | 0.00043 | -91.92  | 162.63 | 0.00061 |
| -98.99  | 155.56 | 0.00095 | -106.07 | 148.49 | 0.00161 |
| -109.60 | 144.96 | 0.00217 | -113.14 | 141.42 | 0.00297 |
| -115.26 | 139.30 | 0.00361 | -116.67 | 137.89 | 0.00412 |
| -118.09 | 136.47 | 0.00472 | -119.50 | 135.06 | 0.00543 |
| -120.92 | 133.64 | 0.00627 | -133.64 | 120.92 | 0.00473 |
| -135.06 | 119.50 | 0.00408 | -136.47 | 118.09 | 0.00358 |
| -137.89 | 116.67 | 0.00317 | -139.30 | 115.26 | 0.00284 |
| -141.42 | 113.14 | 0.00244 | -144.96 | 109.60 | 0.00194 |
| -148.49 | 106.07 | 0.00157 | -155.56 | 98.99  | 0.00111 |
| -162.63 | 91.92  | 0.00083 | -169.71 | 84.85  | 0.00065 |
| -176.78 | 77.78  | 0.00053 | -183.85 | 70.71  | 0.00043 |
| -190.92 | 63.64  | 0.00036 | -197.99 | 56.57  | 0.00030 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTS:  
 PAGE 106

CONC                      URBAN FLAT    FLGPOL    DFAULT

\*\*\*                      \*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S5  
 \*\*\*                      INCLUDING SOURCE(S):                      NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER                      IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -49.50      | 190.92      | 0.00018 | -56.57      | 183.85      | 0.00022 |
| -63.64      | 176.78      | 0.00028 | -70.71      | 169.71      | 0.00038 |
| -77.78      | 162.63      | 0.00052 | -84.85      | 155.56      | 0.00076 |
| -91.92      | 148.49      | 0.00118 | -98.99      | 141.42      | 0.00196 |
| -102.53     | 137.89      | 0.00258 | -106.07     | 134.35      | 0.00345 |
| -108.19     | 132.23      | 0.00412 | -109.60     | 130.81      | 0.00467 |
| -111.02     | 129.40      | 0.00529 | -112.43     | 127.99      | 0.00601 |
| -113.84     | 126.57      | 0.00687 | -126.57     | 113.84      | 0.00519 |
| -127.99     | 112.43      | 0.00450 | -129.40     | 111.02      | 0.00397 |
| -130.81     | 109.60      | 0.00353 | -132.23     | 108.19      | 0.00316 |
| -134.35     | 106.07      | 0.00272 | -137.89     | 102.53      | 0.00216 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -141.42 | 98.99  | 0.00177 | -148.49 | 91.92  | 0.00124 |
| -155.56 | 84.85  | 0.00092 | -162.63 | 77.78  | 0.00071 |
| -169.71 | 70.71  | 0.00056 | -176.78 | 63.64  | 0.00046 |
| -183.85 | 56.57  | 0.00038 | -190.92 | 49.50  | 0.00032 |
| -42.43  | 183.85 | 0.00020 | -49.50  | 176.78 | 0.00025 |
| -56.57  | 169.71 | 0.00033 | -63.64  | 162.63 | 0.00044 |
| -70.71  | 155.56 | 0.00062 | -77.78  | 148.49 | 0.00091 |
| -84.85  | 141.42 | 0.00142 | -91.92  | 134.35 | 0.00228 |
| -95.46  | 130.81 | 0.00294 | -98.99  | 127.28 | 0.00384 |
| -101.12 | 125.16 | 0.00453 | -102.53 | 123.74 | 0.00508 |
| -103.94 | 122.33 | 0.00570 | -105.36 | 120.92 | 0.00642 |
| -106.77 | 119.50 | 0.00727 | -119.50 | 106.77 | 0.00548 |
| -120.92 | 105.36 | 0.00478 | -122.33 | 103.94 | 0.00423 |
| -123.74 | 102.53 | 0.00377 | -125.16 | 101.12 | 0.00339 |
| -127.28 | 98.99  | 0.00293 | -130.81 | 95.46  | 0.00236 |
| -134.35 | 91.92  | 0.00195 | -141.42 | 84.85  | 0.00138 |
| -148.49 | 77.78  | 0.00101 | -155.56 | 70.71  | 0.00077 |
| -162.63 | 63.64  | 0.00060 | -169.71 | 56.57  | 0.00049 |
| -176.78 | 49.50  | 0.00040 | -183.85 | 42.43  | 0.00034 |
| -35.36  | 176.78 | 0.00023 | -42.43  | 169.71 | 0.00029 |
| -49.50  | 162.63 | 0.00038 | -56.57  | 155.56 | 0.00052 |
| -63.64  | 148.49 | 0.00073 | -70.71  | 141.42 | 0.00107 |
| -77.78  | 134.35 | 0.00163 | -84.85  | 127.28 | 0.00256 |
| -88.39  | 123.74 | 0.00325 | -91.92  | 120.21 | 0.00417 |
| -94.05  | 118.09 | 0.00486 | -95.46  | 116.67 | 0.00540 |
| -96.87  | 115.26 | 0.00600 | -98.29  | 113.84 | 0.00670 |
| -99.70  | 112.43 | 0.00752 | -112.43 | 99.70  | 0.00563 |
| -113.84 | 98.29  | 0.00493 | -115.26 | 96.87  | 0.00439 |
| -116.67 | 95.46  | 0.00394 | -118.09 | 94.05  | 0.00357 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTS:  
 PAGE 107  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S5  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -120.21     | 91.92       | 0.00311 | -123.74     | 88.39       | 0.00253 |
| -127.28     | 84.85       | 0.00210 | -134.35     | 77.78       | 0.00150 |
| -141.42     | 70.71       | 0.00111 | -148.49     | 63.64       | 0.00084 |
| -155.56     | 56.57       | 0.00065 | -162.63     | 49.50       | 0.00052 |
| -169.71     | 42.43       | 0.00043 | -176.78     | 35.36       | 0.00036 |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -28.28  | 169.71 | 0.00026 | -35.36  | 162.63 | 0.00033 |
| -42.43  | 155.56 | 0.00044 | -49.50  | 148.49 | 0.00059 |
| -56.57  | 141.42 | 0.00084 | -63.64  | 134.35 | 0.00122 |
| -70.71  | 127.28 | 0.00182 | -77.78  | 120.21 | 0.00279 |
| -81.32  | 116.67 | 0.00351 | -84.85  | 113.14 | 0.00444 |
| -86.97  | 111.02 | 0.00513 | -88.39  | 109.60 | 0.00567 |
| -89.80  | 108.19 | 0.00626 | -91.22  | 106.77 | 0.00694 |
| -92.63  | 105.36 | 0.00770 | -105.36 | 92.63  | 0.00570 |
| -106.77 | 91.22  | 0.00504 | -108.19 | 89.80  | 0.00452 |
| -109.60 | 88.39  | 0.00409 | -111.02 | 86.97  | 0.00373 |
| -113.14 | 84.85  | 0.00327 | -116.67 | 81.32  | 0.00268 |
| -120.21 | 77.78  | 0.00224 | -127.28 | 70.71  | 0.00161 |
| -134.35 | 63.64  | 0.00120 | -141.42 | 56.57  | 0.00091 |
| -148.49 | 49.50  | 0.00070 | -155.56 | 42.43  | 0.00056 |
| -162.63 | 35.36  | 0.00045 | -169.71 | 28.28  | 0.00038 |
| -21.21  | 162.63 | 0.00029 | -28.28  | 155.56 | 0.00037 |
| -35.36  | 148.49 | 0.00049 | -42.43  | 141.42 | 0.00067 |
| -49.50  | 134.35 | 0.00094 | -56.57  | 127.28 | 0.00135 |
| -63.64  | 120.21 | 0.00197 | -70.71  | 113.14 | 0.00296 |
| -74.25  | 109.60 | 0.00368 | -77.78  | 106.07 | 0.00460 |
| -79.90  | 103.94 | 0.00529 | -81.32  | 102.53 | 0.00581 |
| -82.73  | 101.12 | 0.00638 | -84.15  | 99.70  | 0.00702 |
| -85.56  | 98.29  | 0.00772 | -98.29  | 85.56  | 0.00570 |
| -99.70  | 84.15  | 0.00511 | -101.12 | 82.73  | 0.00461 |
| -102.53 | 81.32  | 0.00419 | -103.94 | 79.90  | 0.00384 |
| -106.07 | 77.78  | 0.00339 | -109.60 | 74.25  | 0.00280 |
| -113.14 | 70.71  | 0.00234 | -120.21 | 63.64  | 0.00170 |
| -127.28 | 56.57  | 0.00127 | -134.35 | 49.50  | 0.00097 |
| -141.42 | 42.43  | 0.00075 | -148.49 | 35.36  | 0.00060 |
| -155.56 | 28.28  | 0.00048 | -162.63 | 21.21  | 0.00040 |
| -14.14  | 155.56 | 0.00032 | -21.21  | 148.49 | 0.00041 |
| -28.28  | 141.42 | 0.00055 | -35.36  | 134.35 | 0.00075 |
| -42.43  | 127.28 | 0.00103 | -49.50  | 120.21 | 0.00145 |
| -56.57  | 113.14 | 0.00208 | -63.64  | 106.07 | 0.00305 |
| -67.18  | 102.53 | 0.00373 | -70.71  | 98.99  | 0.00456 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*

04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S5

INCLUDING SOURCE(S): NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound  
CONC

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -72.83      | 96.87       | 0.00513 | -74.25      | 95.46       | 0.00554 |
| -75.66      | 94.05       | 0.00595 | -77.07      | 92.63       | 0.00637 |
| -78.49      | 91.22       | 0.00675 | -91.22      | 78.49       | 0.00520 |
| -92.63      | 77.07       | 0.00481 | -94.05      | 75.66       | 0.00444 |
| -95.46      | 74.25       | 0.00410 | -96.87      | 72.83       | 0.00379 |
| -98.99      | 70.71       | 0.00339 | -102.53     | 67.18       | 0.00283 |
| -106.07     | 63.64       | 0.00238 | -113.14     | 56.57       | 0.00175 |
| -120.21     | 49.50       | 0.00132 | -127.28     | 42.43       | 0.00102 |
| -134.35     | 35.36       | 0.00079 | -141.42     | 28.28       | 0.00063 |
| -148.49     | 21.21       | 0.00051 | -155.56     | 14.14       | 0.00042 |
| -7.07       | 148.49      | 0.00035 | -14.14      | 141.42      | 0.00046 |
| -21.21      | 134.35      | 0.00060 | -28.28      | 127.28      | 0.00081 |
| -35.36      | 120.21      | 0.00111 | -42.43      | 113.14      | 0.00153 |
| -49.50      | 106.07      | 0.00213 | -56.57      | 98.99       | 0.00300 |
| -60.10      | 95.46       | 0.00356 | -63.64      | 91.92       | 0.00419 |
| -65.76      | 89.80       | 0.00459 | -67.18      | 88.39       | 0.00485 |
| -68.59      | 86.97       | 0.00510 | -70.00      | 85.56       | 0.00533 |
| -71.42      | 84.15       | 0.00553 | -84.15      | 71.42       | 0.00452 |
| -85.56      | 70.00       | 0.00425 | -86.97      | 68.59       | 0.00400 |
| -88.39      | 67.18       | 0.00375 | -89.80      | 65.76       | 0.00352 |
| -91.92      | 63.64       | 0.00321 | -95.46      | 60.10       | 0.00275 |
| -98.99      | 56.57       | 0.00236 | -106.07     | 49.50       | 0.00176 |
| -113.14     | 42.43       | 0.00134 | -120.21     | 35.36       | 0.00104 |
| -127.28     | 28.28       | 0.00082 | -134.35     | 21.21       | 0.00065 |
| -141.42     | 14.14       | 0.00053 | -148.49     | 7.07        | 0.00043 |
| 0.00        | 141.42      | 0.00039 | -7.07       | 134.35      | 0.00050 |
| -14.14      | 127.28      | 0.00065 | -21.21      | 120.21      | 0.00086 |
| -28.28      | 113.14      | 0.00115 | -35.36      | 106.07      | 0.00155 |
| -42.43      | 98.99       | 0.00209 | -49.50      | 91.92       | 0.00282 |
| -53.03      | 88.39       | 0.00324 | -56.57      | 84.85       | 0.00368 |
| -58.69      | 82.73       | 0.00395 | -60.10      | 81.32       | 0.00411 |
| -61.52      | 79.90       | 0.00427 | -62.93      | 78.49       | 0.00441 |
| -64.35      | 77.07       | 0.00452 | -77.07      | 64.35       | 0.00384 |
| -78.49      | 62.93       | 0.00367 | -79.90      | 61.52       | 0.00349 |
| -81.32      | 60.10       | 0.00332 | -82.73      | 58.69       | 0.00315 |
| -84.85      | 56.57       | 0.00291 | -88.39      | 53.03       | 0.00255 |
| -91.92      | 49.50       | 0.00224 | -98.99      | 42.43       | 0.00172 |
| -106.07     | 35.36       | 0.00134 | -113.14     | 28.28       | 0.00105 |
| -120.21     | 21.21       | 0.00083 | -127.28     | 14.14       | 0.00067 |
| -134.35     | 7.07        | 0.00054 | -141.42     | 0.00        | 0.00045 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

15:49:41

\*\*MODELOPTS:

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S5

\*\*\*

INCLUDING SOURCE(S): NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 7.07        | 134.35      | 0.00042 | 0.00        | 127.28      | 0.00054 |
| -7.07       | 120.21      | 0.00069 | -14.14      | 113.14      | 0.00090 |
| -21.21      | 106.07      | 0.00117 | -28.28      | 98.99       | 0.00153 |
| -35.36      | 91.92       | 0.00200 | -42.43      | 84.85       | 0.00256 |
| -45.96      | 81.32       | 0.00287 | -49.50      | 77.78       | 0.00319 |
| -51.62      | 75.66       | 0.00337 | -53.03      | 74.25       | 0.00348 |
| -54.45      | 72.83       | 0.00358 | -55.86      | 71.42       | 0.00366 |
| -57.28      | 70.00       | 0.00372 | -70.00      | 57.28       | 0.00325 |
| -71.42      | 55.86       | 0.00313 | -72.83      | 54.45       | 0.00302 |
| -74.25      | 53.03       | 0.00290 | -75.66      | 51.62       | 0.00277 |
| -77.78      | 49.50       | 0.00260 | -81.32      | 45.96       | 0.00232 |
| -84.85      | 42.43       | 0.00207 | -91.92      | 35.36       | 0.00164 |
| -98.99      | 28.28       | 0.00131 | -106.07     | 21.21       | 0.00105 |
| -113.14     | 14.14       | 0.00084 | -120.21     | 7.07        | 0.00068 |
| -127.28     | 0.00        | 0.00056 | -134.35     | -7.07       | 0.00046 |
| 14.14       | 127.28      | 0.00045 | 7.07        | 120.21      | 0.00056 |
| 0.00        | 113.14      | 0.00072 | -7.07       | 106.07      | 0.00091 |
| -14.14      | 98.99       | 0.00116 | -21.21      | 91.92       | 0.00148 |
| -28.28      | 84.85       | 0.00186 | -35.36      | 77.78       | 0.00229 |
| -38.89      | 74.25       | 0.00252 | -42.43      | 70.71       | 0.00275 |
| -44.55      | 68.59       | 0.00288 | -45.96      | 67.18       | 0.00295 |
| -47.38      | 65.76       | 0.00301 | -48.79      | 64.35       | 0.00306 |
| -50.20      | 62.93       | 0.00310 | -62.93      | 50.20       | 0.00276 |
| -64.35      | 48.79       | 0.00268 | -65.76      | 47.38       | 0.00260 |
| -67.18      | 45.96       | 0.00251 | -68.59      | 44.55       | 0.00243 |
| -70.71      | 42.43       | 0.00229 | -74.25      | 38.89       | 0.00208 |
| -77.78      | 35.36       | 0.00188 | -84.85      | 28.28       | 0.00153 |
| -91.92      | 21.21       | 0.00125 | -98.99      | 14.14       | 0.00102 |
| -106.07     | 7.07        | 0.00084 | -113.14     | 0.00        | 0.00069 |
| -120.21     | -7.07       | 0.00057 | -127.28     | -14.14      | 0.00047 |
| 21.21       | 120.21      | 0.00047 | 14.14       | 113.14      | 0.00058 |
| 7.07        | 106.07      | 0.00073 | 0.00        | 98.99       | 0.00091 |
| -7.07       | 91.92       | 0.00113 | -14.14      | 84.85       | 0.00140 |
| -21.21      | 77.78       | 0.00170 | -28.28      | 70.71       | 0.00204 |
| -31.82      | 67.18       | 0.00222 | -35.36      | 63.64       | 0.00239 |
| -37.48      | 61.52       | 0.00247 | -38.89      | 60.10       | 0.00252 |
| -40.31      | 58.69       | 0.00256 | -41.72      | 57.28       | 0.00259 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |       |         |        |       |         |
|--------|-------|---------|--------|-------|---------|
| -43.13 | 55.86 | 0.00261 | -55.86 | 43.13 | 0.00235 |
| -57.28 | 41.72 | 0.00230 | -58.69 | 40.31 | 0.00224 |
| -60.10 | 38.89 | 0.00218 | -61.52 | 37.48 | 0.00212 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S5  
 \*\*\* INCLUDING SOURCE(S):            NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER            IN MICROGRAMS/M\*\*3                      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -63.64      | 35.36       | 0.00202 | -67.18      | 31.82       | 0.00186 |
| -70.71      | 28.28       | 0.00170 | -77.78      | 21.21       | 0.00141 |
| -84.85      | 14.14       | 0.00118 | -91.92      | 7.07        | 0.00098 |
| -98.99      | 0.00        | 0.00082 | -106.07     | -7.07       | 0.00068 |
| -113.14     | -14.14      | 0.00057 | -120.21     | -21.21      | 0.00048 |
| 28.28       | 113.14      | 0.00048 | 21.21       | 106.07      | 0.00059 |
| 14.14       | 98.99       | 0.00073 | 7.07        | 91.92       | 0.00089 |
| 0.00        | 84.85       | 0.00108 | -7.07       | 77.78       | 0.00131 |
| -14.14      | 70.71       | 0.00155 | -21.21      | 63.64       | 0.00182 |
| -24.75      | 60.10       | 0.00196 | -28.28      | 56.57       | 0.00208 |
| -30.41      | 54.45       | 0.00214 | -31.82      | 53.03       | 0.00217 |
| -33.23      | 51.62       | 0.00220 | -34.65      | 50.20       | 0.00221 |
| -36.06      | 48.79       | 0.00222 | -48.79      | 36.06       | 0.00203 |
| -50.20      | 34.65       | 0.00199 | -51.62      | 33.23       | 0.00195 |
| -53.03      | 31.82       | 0.00190 | -54.45      | 30.41       | 0.00186 |
| -56.57      | 28.28       | 0.00178 | -60.10      | 24.75       | 0.00166 |
| -63.64      | 21.21       | 0.00153 | -70.71      | 14.14       | 0.00130 |
| -77.78      | 7.07        | 0.00110 | -84.85      | 0.00        | 0.00093 |
| -91.92      | -7.07       | 0.00079 | -98.99      | -14.14      | 0.00067 |
| -106.07     | -21.21      | 0.00057 | -113.14     | -28.28      | 0.00048 |
| 35.36       | 106.07      | 0.00049 | 28.28       | 98.99       | 0.00060 |
| 21.21       | 91.92       | 0.00072 | 14.14       | 84.85       | 0.00086 |
| 7.07        | 77.78       | 0.00103 | 0.00        | 70.71       | 0.00121 |
| -7.07       | 63.64       | 0.00141 | -14.14      | 56.57       | 0.00163 |
| -17.68      | 53.03       | 0.00173 | -21.21      | 49.50       | 0.00182 |
| -23.33      | 47.38       | 0.00186 | -24.75      | 45.96       | 0.00188 |
| -26.16      | 44.55       | 0.00190 | -27.58      | 43.13       | 0.00191 |
| -28.99      | 41.72       | 0.00192 | -41.72      | 28.99       | 0.00176 |
| -43.13      | 27.58       | 0.00173 | -44.55      | 26.16       | 0.00170 |
| -45.96      | 24.75       | 0.00167 | -47.38      | 23.33       | 0.00163 |
| -49.50      | 21.21       | 0.00158 | -53.03      | 17.68       | 0.00148 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |         |        |         |
|--------|--------|---------|---------|--------|---------|
| -56.57 | 14.14  | 0.00138 | -63.64  | 7.07   | 0.00119 |
| -70.71 | 0.00   | 0.00102 | -77.78  | -7.07  | 0.00088 |
| -84.85 | -14.14 | 0.00076 | -91.92  | -21.21 | 0.00065 |
| -98.99 | -28.28 | 0.00056 | -106.07 | -35.36 | 0.00048 |
| 42.43  | 98.99  | 0.00049 | 35.36   | 91.92  | 0.00059 |
| 28.28  | 84.85  | 0.00070 | 21.21   | 77.78  | 0.00083 |
| 14.14  | 70.71  | 0.00096 | 7.07    | 63.64  | 0.00112 |
| 0.00   | 56.57  | 0.00128 | -7.07   | 49.50  | 0.00146 |
| -10.61 | 45.96  | 0.00154 | -14.14  | 42.43  | 0.00160 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41

\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S5

\*\*\*

INCLUDING SOURCE(S): NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -16.26      | 40.31       | 0.00163 | -17.68      | 38.89       | 0.00165 |
| -19.09      | 37.48       | 0.00166 | -20.51      | 36.06       | 0.00166 |
| -21.92      | 34.65       | 0.00167 | -34.65      | 21.92       | 0.00154 |
| -36.06      | 20.51       | 0.00152 | -37.48      | 19.09       | 0.00150 |
| -38.89      | 17.68       | 0.00147 | -40.31      | 16.26       | 0.00144 |
| -42.43      | 14.14       | 0.00140 | -45.96      | 10.61       | 0.00133 |
| -49.50      | 7.07        | 0.00125 | -56.57      | 0.00        | 0.00109 |
| -63.64      | -7.07       | 0.00095 | -70.71      | -14.14      | 0.00082 |
| -77.78      | -21.21      | 0.00072 | -84.85      | -28.28      | 0.00063 |
| -91.92      | -35.36      | 0.00054 | -98.99      | -42.43      | 0.00047 |
| 49.50       | 91.92       | 0.00049 | 42.43       | 84.85       | 0.00058 |
| 35.36       | 77.78       | 0.00068 | 28.28       | 70.71       | 0.00078 |
| 21.21       | 63.64       | 0.00090 | 14.14       | 56.57       | 0.00103 |
| 7.07        | 49.50       | 0.00117 | 0.00        | 42.43       | 0.00131 |
| -3.54       | 38.89       | 0.00137 | -7.07       | 35.36       | 0.00142 |
| -9.19       | 33.23       | 0.00144 | -10.61      | 31.82       | 0.00145 |
| -12.02      | 30.41       | 0.00146 | -13.44      | 28.99       | 0.00146 |
| -14.85      | 27.58       | 0.00146 | -27.58      | 14.85       | 0.00136 |
| -28.99      | 13.44       | 0.00135 | -30.41      | 12.02       | 0.00133 |
| -31.82      | 10.61       | 0.00131 | -33.23      | 9.19        | 0.00128 |
| -35.36      | 7.07        | 0.00125 | -38.89      | 3.54        | 0.00119 |
| -42.43      | 0.00        | 0.00113 | -49.50      | -7.07       | 0.00100 |
| -56.57      | -14.14      | 0.00088 | -63.64      | -21.21      | 0.00077 |
| -70.71      | -28.28      | 0.00068 | -77.78      | -35.36      | 0.00060 |
| -84.85      | -42.43      | 0.00053 | -91.92      | -49.50      | 0.00046 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 56.57  | 84.85  | 0.00049 | 49.50  | 77.78  | 0.00056 |
| 42.43  | 70.71  | 0.00065 | 35.36  | 63.64  | 0.00074 |
| 28.28  | 56.57  | 0.00084 | 21.21  | 49.50  | 0.00095 |
| 14.14  | 42.43  | 0.00107 | 7.07   | 35.36  | 0.00118 |
| 3.54   | 31.82  | 0.00123 | 0.00   | 28.28  | 0.00127 |
| -2.12  | 26.16  | 0.00128 | -3.54  | 24.75  | 0.00129 |
| -4.95  | 23.33  | 0.00129 | -6.36  | 21.92  | 0.00130 |
| -7.78  | 20.51  | 0.00130 | -20.51 | 7.78   | 0.00121 |
| -21.92 | 6.36   | 0.00120 | -23.33 | 4.95   | 0.00118 |
| -24.75 | 3.54   | 0.00117 | -26.16 | 2.12   | 0.00115 |
| -28.28 | 0.00   | 0.00112 | -31.82 | -3.54  | 0.00108 |
| -35.36 | -7.07  | 0.00103 | -42.43 | -14.14 | 0.00092 |
| -49.50 | -21.21 | 0.00081 | -56.57 | -28.28 | 0.00072 |
| -63.64 | -35.36 | 0.00064 | -70.71 | -42.43 | 0.00057 |
| -77.78 | -49.50 | 0.00051 | -84.85 | -56.57 | 0.00045 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
 PAGE 112  
 CONC

URBAN FLAT    FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S5

\*\*\*

INCLUDING SOURCE(S):      NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER      IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 63.64       | 77.78       | 0.00048 | 56.57       | 70.71       | 0.00054 |
| 49.50       | 63.64       | 0.00062 | 42.43       | 56.57       | 0.00070 |
| 35.36       | 49.50       | 0.00078 | 28.28       | 42.43       | 0.00088 |
| 21.21       | 35.36       | 0.00098 | 14.14       | 28.28       | 0.00107 |
| 10.61       | 24.75       | 0.00111 | 7.07        | 21.21       | 0.00113 |
| 4.95        | 19.09       | 0.00115 | 3.54        | 17.68       | 0.00115 |
| 2.12        | 16.26       | 0.00115 | 0.71        | 14.85       | 0.00115 |
| -0.71       | 13.44       | 0.00115 | -13.44      | 0.71        | 0.00109 |
| -14.85      | -0.71       | 0.00107 | -16.26      | -2.12       | 0.00106 |
| -17.68      | -3.54       | 0.00105 | -19.09      | -4.95       | 0.00103 |
| -21.21      | -7.07       | 0.00101 | -24.75      | -10.61      | 0.00097 |
| -28.28      | -14.14      | 0.00093 | -35.36      | -21.21      | 0.00085 |
| -42.43      | -28.28      | 0.00076 | -49.50      | -35.36      | 0.00067 |
| -56.57      | -42.43      | 0.00060 | -63.64      | -49.50      | 0.00054 |
| -70.71      | -56.57      | 0.00048 | -77.78      | -63.64      | 0.00043 |
| 70.71       | 70.71       | 0.00046 | 63.64       | 63.64       | 0.00052 |
| 56.57       | 56.57       | 0.00059 | 49.50       | 49.50       | 0.00066 |
| 42.43       | 42.43       | 0.00073 | 35.36       | 35.36       | 0.00082 |
| 28.28       | 28.28       | 0.00090 | 21.21       | 21.21       | 0.00097 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 17.68  | 17.68  | 0.00100 | 14.14  | 14.14  | 0.00102 |
| 12.02  | 12.02  | 0.00103 | 10.61  | 10.61  | 0.00103 |
| 9.19   | 9.19   | 0.00104 | 7.78   | 7.78   | 0.00104 |
| 6.36   | 6.36   | 0.00104 | -6.36  | -6.36  | 0.00098 |
| -7.78  | -7.78  | 0.00097 | -9.19  | -9.19  | 0.00096 |
| -10.61 | -10.61 | 0.00095 | -12.02 | -12.02 | 0.00093 |
| -14.14 | -14.14 | 0.00092 | -17.68 | -17.68 | 0.00089 |
| -21.21 | -21.21 | 0.00085 | -28.28 | -28.28 | 0.00078 |
| -35.36 | -35.36 | 0.00070 | -42.43 | -42.43 | 0.00063 |
| -49.50 | -49.50 | 0.00057 | -56.57 | -56.57 | 0.00051 |
| -63.64 | -63.64 | 0.00046 | -70.71 | -70.71 | 0.00042 |
| 77.78  | 63.64  | 0.00045 | 70.71  | 56.57  | 0.00050 |
| 63.64  | 49.50  | 0.00056 | 56.57  | 42.43  | 0.00062 |
| 49.50  | 35.36  | 0.00069 | 42.43  | 28.28  | 0.00076 |
| 35.36  | 21.21  | 0.00083 | 28.28  | 14.14  | 0.00089 |
| 24.75  | 10.61  | 0.00091 | 21.21  | 7.07   | 0.00093 |
| 19.09  | 4.95   | 0.00093 | 17.68  | 3.54   | 0.00093 |
| 16.26  | 2.12   | 0.00094 | 14.85  | 0.71   | 0.00094 |
| 13.44  | -0.71  | 0.00093 | 0.71   | -13.44 | 0.00089 |
| -0.71  | -14.85 | 0.00088 | -2.12  | -16.26 | 0.00087 |
| -3.54  | -17.68 | 0.00086 | -4.95  | -19.09 | 0.00085 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41

\*\*MODELOPTs:  
 PAGE 113

CONC                      URBAN FLAT    FLGPOL    DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S5

\*\*\* INCLUDING SOURCE(S):            NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER            IN MICROGRAMS/M\*\*3                      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -7.07       | -21.21      | 0.00083 | -10.61      | -24.75      | 0.00081 |
| -14.14      | -28.28      | 0.00078 | -21.21      | -35.36      | 0.00072 |
| -28.28      | -42.43      | 0.00066 | -35.36      | -49.50      | 0.00059 |
| -42.43      | -56.57      | 0.00053 | -49.50      | -63.64      | 0.00048 |
| -56.57      | -70.71      | 0.00044 | -63.64      | -77.78      | 0.00040 |
| 84.85       | 56.57       | 0.00043 | 77.78       | 49.50       | 0.00048 |
| 70.71       | 42.43       | 0.00053 | 63.64       | 35.36       | 0.00058 |
| 56.57       | 28.28       | 0.00064 | 49.50       | 21.21       | 0.00071 |
| 42.43       | 14.14       | 0.00076 | 35.36       | 7.07        | 0.00081 |
| 31.82       | 3.54        | 0.00083 | 28.28       | 0.00        | 0.00084 |
| 26.16       | -2.12       | 0.00085 | 24.75       | -3.54       | 0.00085 |
| 23.33       | -4.95       | 0.00085 | 21.92       | -6.36       | 0.00085 |
| 20.51       | -7.78       | 0.00085 | 7.78        | -20.51      | 0.00081 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 6.36   | -21.92 | 0.00080 | 4.95   | -23.33 | 0.00079 |
| 3.54   | -24.75 | 0.00078 | 2.12   | -26.16 | 0.00077 |
| 0.00   | -28.28 | 0.00076 | -3.54  | -31.82 | 0.00074 |
| -7.07  | -35.36 | 0.00072 | -14.14 | -42.43 | 0.00067 |
| -21.21 | -49.50 | 0.00061 | -28.28 | -56.57 | 0.00056 |
| -35.36 | -63.64 | 0.00050 | -42.43 | -70.71 | 0.00046 |
| -49.50 | -77.78 | 0.00042 | -56.57 | -84.85 | 0.00038 |
| 91.92  | 49.50  | 0.00041 | 84.85  | 42.43  | 0.00045 |
| 77.78  | 35.36  | 0.00050 | 70.71  | 28.28  | 0.00055 |
| 63.64  | 21.21  | 0.00060 | 56.57  | 14.14  | 0.00066 |
| 49.50  | 7.07   | 0.00071 | 42.43  | 0.00   | 0.00075 |
| 38.89  | -3.54  | 0.00076 | 35.36  | -7.07  | 0.00077 |
| 33.23  | -9.19  | 0.00077 | 31.82  | -10.61 | 0.00077 |
| 30.41  | -12.02 | 0.00077 | 28.99  | -13.44 | 0.00077 |
| 27.58  | -14.85 | 0.00077 | 14.85  | -27.58 | 0.00074 |
| 13.44  | -28.99 | 0.00073 | 12.02  | -30.41 | 0.00072 |
| 10.61  | -31.82 | 0.00072 | 9.19   | -33.23 | 0.00071 |
| 7.07   | -35.36 | 0.00070 | 3.54   | -38.89 | 0.00068 |
| 0.00   | -42.43 | 0.00066 | -7.07  | -49.50 | 0.00062 |
| -14.14 | -56.57 | 0.00057 | -21.21 | -63.64 | 0.00052 |
| -28.28 | -70.71 | 0.00048 | -35.36 | -77.78 | 0.00043 |
| -42.43 | -84.85 | 0.00040 | -49.50 | -91.92 | 0.00036 |
| 98.99  | 42.43  | 0.00039 | 91.92  | 35.36  | 0.00043 |
| 84.85  | 28.28  | 0.00047 | 77.78  | 21.21  | 0.00052 |
| 70.71  | 14.14  | 0.00057 | 63.64  | 7.07   | 0.00061 |
| 56.57  | 0.00   | 0.00066 | 49.50  | -7.07  | 0.00069 |
| 45.96  | -10.61 | 0.00070 | 42.43  | -14.14 | 0.00071 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
 PAGE 114  
 CONC

URBAN FLAT    FLGPOL    DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S5

\*\*\*

INCLUDING SOURCE(S):    NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER    IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.31       | -16.26      | 0.00071 | 38.89       | -17.68      | 0.00071 |
| 37.48       | -19.09      | 0.00071 | 36.06       | -20.51      | 0.00071 |
| 34.65       | -21.92      | 0.00071 | 21.92       | -34.65      | 0.00068 |
| 20.51       | -36.06      | 0.00067 | 19.09       | -37.48      | 0.00066 |
| 17.68       | -38.89      | 0.00066 | 16.26       | -40.31      | 0.00065 |
| 14.14       | -42.43      | 0.00064 | 10.61       | -45.96      | 0.00063 |
| 7.07        | -49.50      | 0.00061 | 0.00        | -56.57      | 0.00057 |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| -7.07  | -63.64  | 0.00053 | -14.14 | -70.71  | 0.00049 |
| -21.21 | -77.78  | 0.00045 | -28.28 | -84.85  | 0.00041 |
| -35.36 | -91.92  | 0.00038 | -42.43 | -98.99  | 0.00035 |
| 106.07 | 35.36   | 0.00038 | 98.99  | 28.28   | 0.00041 |
| 91.92  | 21.21   | 0.00045 | 84.85  | 14.14   | 0.00049 |
| 77.78  | 7.07    | 0.00053 | 70.71  | 0.00    | 0.00057 |
| 63.64  | -7.07   | 0.00061 | 56.57  | -14.14  | 0.00064 |
| 53.03  | -17.68  | 0.00064 | 49.50  | -21.21  | 0.00065 |
| 47.38  | -23.33  | 0.00065 | 45.96  | -24.75  | 0.00065 |
| 44.55  | -26.16  | 0.00065 | 43.13  | -27.58  | 0.00065 |
| 41.72  | -28.99  | 0.00065 | 28.99  | -41.72  | 0.00062 |
| 27.58  | -43.13  | 0.00062 | 26.16  | -44.55  | 0.00061 |
| 24.75  | -45.96  | 0.00061 | 23.33  | -47.38  | 0.00060 |
| 21.21  | -49.50  | 0.00059 | 17.68  | -53.03  | 0.00058 |
| 14.14  | -56.57  | 0.00057 | 7.07   | -63.64  | 0.00053 |
| 0.00   | -70.71  | 0.00050 | -7.07  | -77.78  | 0.00046 |
| -14.14 | -84.85  | 0.00043 | -21.21 | -91.92  | 0.00039 |
| -28.28 | -98.99  | 0.00036 | -35.36 | -106.07 | 0.00033 |
| 113.14 | 28.28   | 0.00036 | 106.07 | 21.21   | 0.00039 |
| 98.99  | 14.14   | 0.00043 | 91.92  | 7.07    | 0.00046 |
| 84.85  | 0.00    | 0.00050 | 77.78  | -7.07   | 0.00054 |
| 70.71  | -14.14  | 0.00057 | 63.64  | -21.21  | 0.00059 |
| 60.10  | -24.75  | 0.00060 | 56.57  | -28.28  | 0.00060 |
| 54.45  | -30.41  | 0.00060 | 53.03  | -31.82  | 0.00060 |
| 51.62  | -33.23  | 0.00060 | 50.20  | -34.65  | 0.00060 |
| 48.79  | -36.06  | 0.00060 | 36.06  | -48.79  | 0.00057 |
| 34.65  | -50.20  | 0.00057 | 33.23  | -51.62  | 0.00057 |
| 31.82  | -53.03  | 0.00056 | 30.41  | -54.45  | 0.00056 |
| 28.28  | -56.57  | 0.00055 | 24.75  | -60.10  | 0.00054 |
| 21.21  | -63.64  | 0.00053 | 14.14  | -70.71  | 0.00050 |
| 7.07   | -77.78  | 0.00047 | 0.00   | -84.85  | 0.00044 |
| -7.07  | -91.92  | 0.00040 | -14.14 | -98.99  | 0.00037 |
| -21.21 | -106.07 | 0.00034 | -28.28 | -113.14 | 0.00032 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
 PAGE 115  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S5  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 120.21      | 21.21       | 0.00035 | 113.14      | 14.14       | 0.00037 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 106.07 | 7.07    | 0.00041 | 98.99  | 0.00    | 0.00044 |
| 91.92  | -7.07   | 0.00047 | 84.85  | -14.14  | 0.00050 |
| 77.78  | -21.21  | 0.00053 | 70.71  | -28.28  | 0.00055 |
| 67.18  | -31.82  | 0.00055 | 63.64  | -35.36  | 0.00056 |
| 61.52  | -37.48  | 0.00056 | 60.10  | -38.89  | 0.00056 |
| 58.69  | -40.31  | 0.00056 | 57.28  | -41.72  | 0.00056 |
| 55.86  | -43.13  | 0.00055 | 43.13  | -55.86  | 0.00053 |
| 41.72  | -57.28  | 0.00053 | 40.31  | -58.69  | 0.00053 |
| 38.89  | -60.10  | 0.00052 | 37.48  | -61.52  | 0.00052 |
| 35.36  | -63.64  | 0.00051 | 31.82  | -67.18  | 0.00050 |
| 28.28  | -70.71  | 0.00049 | 21.21  | -77.78  | 0.00047 |
| 14.14  | -84.85  | 0.00044 | 7.07   | -91.92  | 0.00041 |
| 0.00   | -98.99  | 0.00038 | -7.07  | -106.07 | 0.00036 |
| -14.14 | -113.14 | 0.00033 | -21.21 | -120.21 | 0.00030 |
| 127.28 | 14.14   | 0.00033 | 120.21 | 7.07    | 0.00036 |
| 113.14 | 0.00    | 0.00039 | 106.07 | -7.07   | 0.00042 |
| 98.99  | -14.14  | 0.00045 | 91.92  | -21.21  | 0.00047 |
| 84.85  | -28.28  | 0.00049 | 77.78  | -35.36  | 0.00051 |
| 74.25  | -38.89  | 0.00051 | 70.71  | -42.43  | 0.00052 |
| 68.59  | -44.55  | 0.00052 | 67.18  | -45.96  | 0.00052 |
| 65.76  | -47.38  | 0.00052 | 64.35  | -48.79  | 0.00052 |
| 62.93  | -50.20  | 0.00052 | 50.20  | -62.93  | 0.00050 |
| 48.79  | -64.35  | 0.00049 | 47.38  | -65.76  | 0.00049 |
| 45.96  | -67.18  | 0.00049 | 44.55  | -68.59  | 0.00048 |
| 42.43  | -70.71  | 0.00048 | 38.89  | -74.25  | 0.00047 |
| 35.36  | -77.78  | 0.00046 | 28.28  | -84.85  | 0.00044 |
| 21.21  | -91.92  | 0.00041 | 14.14  | -98.99  | 0.00039 |
| 7.07   | -106.07 | 0.00036 | 0.00   | -113.14 | 0.00034 |
| -7.07  | -120.21 | 0.00031 | -14.14 | -127.28 | 0.00029 |
| 134.35 | 7.07    | 0.00032 | 127.28 | 0.00    | 0.00034 |
| 120.21 | -7.07   | 0.00037 | 113.14 | -14.14  | 0.00039 |
| 106.07 | -21.21  | 0.00042 | 98.99  | -28.28  | 0.00044 |
| 91.92  | -35.36  | 0.00046 | 84.85  | -42.43  | 0.00048 |
| 81.32  | -45.96  | 0.00048 | 77.78  | -49.50  | 0.00048 |
| 75.66  | -51.62  | 0.00048 | 74.25  | -53.03  | 0.00048 |
| 72.83  | -54.45  | 0.00048 | 71.42  | -55.86  | 0.00048 |
| 70.00  | -57.28  | 0.00048 | 57.28  | -70.00  | 0.00046 |
| 55.86  | -71.42  | 0.00046 | 54.45  | -72.83  | 0.00046 |
| 53.03  | -74.25  | 0.00045 | 51.62  | -75.66  | 0.00045 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\*

INCLUDING SOURCE(S) : NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

|             |             | ** CONC OF OTHER | IN MICROGRAMS/M**3 |             | **      |
|-------------|-------------|------------------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC             | X-COORD (M)        | Y-COORD (M) | CONC    |
| 49.50       | -77.78      | 0.00045          | 45.96              | -81.32      | 0.00044 |
| 42.43       | -84.85      | 0.00043          | 35.36              | -91.92      | 0.00041 |
| 28.28       | -98.99      | 0.00039          | 21.21              | -106.07     | 0.00037 |
| 14.14       | -113.14     | 0.00035          | 7.07               | -120.21     | 0.00032 |
| 0.00        | -127.28     | 0.00030          | -7.07              | -134.35     | 0.00028 |
| 141.42      | 0.00        | 0.00030          | 134.35             | -7.07       | 0.00033 |
| 127.28      | -14.14      | 0.00035          | 120.21             | -21.21      | 0.00037 |
| 113.14      | -28.28      | 0.00040          | 106.07             | -35.36      | 0.00042 |
| 98.99       | -42.43      | 0.00043          | 91.92              | -49.50      | 0.00045 |
| 88.39       | -53.03      | 0.00045          | 84.85              | -56.57      | 0.00045 |
| 82.73       | -58.69      | 0.00045          | 81.32              | -60.10      | 0.00045 |
| 79.90       | -61.52      | 0.00045          | 78.49              | -62.93      | 0.00045 |
| 77.07       | -64.35      | 0.00045          | 64.35              | -77.07      | 0.00043 |
| 62.93       | -78.49      | 0.00043          | 61.52              | -79.90      | 0.00043 |
| 60.10       | -81.32      | 0.00042          | 58.69              | -82.73      | 0.00042 |
| 56.57       | -84.85      | 0.00042          | 53.03              | -88.39      | 0.00041 |
| 49.50       | -91.92      | 0.00040          | 42.43              | -98.99      | 0.00039 |
| 35.36       | -106.07     | 0.00037          | 28.28              | -113.14     | 0.00035 |
| 21.21       | -120.21     | 0.00033          | 14.14              | -127.28     | 0.00031 |
| 7.07        | -134.35     | 0.00029          | 0.00               | -141.42     | 0.00027 |
| 148.49      | -7.07       | 0.00029          | 141.42             | -14.14      | 0.00031 |
| 134.35      | -21.21      | 0.00033          | 127.28             | -28.28      | 0.00036 |
| 120.21      | -35.36      | 0.00038          | 113.14             | -42.43      | 0.00039 |
| 106.07      | -49.50      | 0.00041          | 98.99              | -56.57      | 0.00042 |
| 95.46       | -60.10      | 0.00042          | 91.92              | -63.64      | 0.00042 |
| 89.80       | -65.76      | 0.00042          | 88.39              | -67.18      | 0.00042 |
| 86.97       | -68.59      | 0.00042          | 85.56              | -70.00      | 0.00042 |
| 84.15       | -71.42      | 0.00042          | 71.42              | -84.15      | 0.00041 |
| 70.00       | -85.56      | 0.00040          | 68.59              | -86.97      | 0.00040 |
| 67.18       | -88.39      | 0.00040          | 65.76              | -89.80      | 0.00040 |
| 63.64       | -91.92      | 0.00039          | 60.10              | -95.46      | 0.00039 |
| 56.57       | -98.99      | 0.00038          | 49.50              | -106.07     | 0.00036 |
| 42.43       | -113.14     | 0.00035          | 35.36              | -120.21     | 0.00033 |
| 28.28       | -127.28     | 0.00031          | 21.21              | -134.35     | 0.00029 |
| 14.14       | -141.42     | 0.00028          | 7.07               | -148.49     | 0.00026 |
| 155.56      | -14.14      | 0.00028          | 148.49             | -21.21      | 0.00030 |
| 141.42      | -28.28      | 0.00032          | 134.35             | -35.36      | 0.00034 |
| 127.28      | -42.43      | 0.00036          | 120.21             | -49.50      | 0.00037 |
| 113.14      | -56.57      | 0.00038          | 106.07             | -63.64      | 0.00039 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

102.53 -67.18 0.00039 98.99 -70.71 0.00040

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* 04/20/08 \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 \*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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 \*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S5  
 INCLUDING SOURCE(S): NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 96.87       | -72.83      | 0.00040 | 95.46       | -74.25      | 0.00040 |
| 94.05       | -75.66      | 0.00039 | 92.63       | -77.07      | 0.00039 |
| 91.22       | -78.49      | 0.00039 | 78.49       | -91.22      | 0.00038 |
| 77.07       | -92.63      | 0.00038 | 75.66       | -94.05      | 0.00038 |
| 74.25       | -95.46      | 0.00037 | 72.83       | -96.87      | 0.00037 |
| 70.71       | -98.99      | 0.00037 | 67.18       | -102.53     | 0.00036 |
| 63.64       | -106.07     | 0.00036 | 56.57       | -113.14     | 0.00034 |
| 49.50       | -120.21     | 0.00033 | 42.43       | -127.28     | 0.00031 |
| 35.36       | -134.35     | 0.00030 | 28.28       | -141.42     | 0.00028 |
| 21.21       | -148.49     | 0.00026 | 14.14       | -155.56     | 0.00025 |
| 162.63      | -21.21      | 0.00027 | 155.56      | -28.28      | 0.00029 |
| 148.49      | -35.36      | 0.00031 | 141.42      | -42.43      | 0.00032 |
| 134.35      | -49.50      | 0.00034 | 127.28      | -56.57      | 0.00035 |
| 120.21      | -63.64      | 0.00036 | 113.14      | -70.71      | 0.00037 |
| 109.60      | -74.25      | 0.00037 | 106.07      | -77.78      | 0.00037 |
| 103.94      | -79.90      | 0.00037 | 102.53      | -81.32      | 0.00037 |
| 101.12      | -82.73      | 0.00037 | 99.70       | -84.15      | 0.00037 |
| 98.29       | -85.56      | 0.00037 | 85.56       | -98.29      | 0.00036 |
| 84.15       | -99.70      | 0.00036 | 82.73       | -101.12     | 0.00035 |
| 81.32       | -102.53     | 0.00035 | 79.90       | -103.94     | 0.00035 |
| 77.78       | -106.07     | 0.00035 | 74.25       | -109.60     | 0.00034 |
| 70.71       | -113.14     | 0.00034 | 63.64       | -120.21     | 0.00033 |
| 56.57       | -127.28     | 0.00031 | 49.50       | -134.35     | 0.00030 |
| 42.43       | -141.42     | 0.00028 | 35.36       | -148.49     | 0.00027 |
| 28.28       | -155.56     | 0.00025 | 21.21       | -162.63     | 0.00024 |
| 169.71      | -28.28      | 0.00026 | 162.63      | -35.36      | 0.00028 |
| 155.56      | -42.43      | 0.00029 | 148.49      | -49.50      | 0.00031 |
| 141.42      | -56.57      | 0.00032 | 134.35      | -63.64      | 0.00033 |
| 127.28      | -70.71      | 0.00034 | 120.21      | -77.78      | 0.00035 |
| 116.67      | -81.32      | 0.00035 | 113.14      | -84.85      | 0.00035 |
| 111.02      | -86.97      | 0.00035 | 109.60      | -88.39      | 0.00035 |
| 108.19      | -89.80      | 0.00035 | 106.77      | -91.22      | 0.00035 |
| 105.36      | -92.63      | 0.00035 | 92.63       | -105.36     | 0.00034 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|       |         |         |       |         |         |
|-------|---------|---------|-------|---------|---------|
| 91.22 | -106.77 | 0.00034 | 89.80 | -108.19 | 0.00033 |
| 88.39 | -109.60 | 0.00033 | 86.97 | -111.02 | 0.00033 |
| 84.85 | -113.14 | 0.00033 | 81.32 | -116.67 | 0.00032 |
| 77.78 | -120.21 | 0.00032 | 70.71 | -127.28 | 0.00031 |
| 63.64 | -134.35 | 0.00030 | 56.57 | -141.42 | 0.00028 |
| 49.50 | -148.49 | 0.00027 | 42.43 | -155.56 | 0.00026 |
| 35.36 | -162.63 | 0.00024 | 28.28 | -169.71 | 0.00023 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S5

INCLUDING SOURCE(S): NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 176.78      | -35.36      | 0.00025 | 169.71      | -42.43      | 0.00026 |
| 162.63      | -49.50      | 0.00028 | 155.56      | -56.57      | 0.00029 |
| 148.49      | -63.64      | 0.00031 | 141.42      | -70.71      | 0.00032 |
| 134.35      | -77.78      | 0.00032 | 127.28      | -84.85      | 0.00033 |
| 123.74      | -88.39      | 0.00033 | 120.21      | -91.92      | 0.00033 |
| 118.09      | -94.05      | 0.00033 | 116.67      | -95.46      | 0.00033 |
| 115.26      | -96.87      | 0.00033 | 113.84      | -98.29      | 0.00033 |
| 112.43      | -99.70      | 0.00033 | 99.70       | -112.43     | 0.00032 |
| 98.29       | -113.84     | 0.00032 | 96.87       | -115.26     | 0.00032 |
| 95.46       | -116.67     | 0.00031 | 94.05       | -118.09     | 0.00031 |
| 91.92       | -120.21     | 0.00031 | 88.39       | -123.74     | 0.00031 |
| 84.85       | -127.28     | 0.00030 | 77.78       | -134.35     | 0.00029 |
| 70.71       | -141.42     | 0.00028 | 63.64       | -148.49     | 0.00027 |
| 56.57       | -155.56     | 0.00026 | 49.50       | -162.63     | 0.00025 |
| 42.43       | -169.71     | 0.00023 | 35.36       | -176.78     | 0.00022 |
| 183.85      | -42.43      | 0.00024 | 176.78      | -49.50      | 0.00025 |
| 169.71      | -56.57      | 0.00027 | 162.63      | -63.64      | 0.00028 |
| 155.56      | -70.71      | 0.00029 | 148.49      | -77.78      | 0.00030 |
| 141.42      | -84.85      | 0.00031 | 134.35      | -91.92      | 0.00031 |
| 130.81      | -95.46      | 0.00031 | 127.28      | -98.99      | 0.00031 |
| 125.16      | -101.12     | 0.00031 | 123.74      | -102.53     | 0.00031 |
| 122.33      | -103.94     | 0.00031 | 120.92      | -105.36     | 0.00031 |
| 119.50      | -106.77     | 0.00031 | 106.77      | -119.50     | 0.00030 |
| 105.36      | -120.92     | 0.00030 | 103.94      | -122.33     | 0.00030 |
| 102.53      | -123.74     | 0.00030 | 101.12      | -125.16     | 0.00030 |
| 98.99       | -127.28     | 0.00029 | 95.46       | -130.81     | 0.00029 |
| 91.92       | -134.35     | 0.00029 | 84.85       | -141.42     | 0.00028 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 77.78  | -148.49 | 0.00027 | 70.71  | -155.56 | 0.00026 |
| 63.64  | -162.63 | 0.00025 | 56.57  | -169.71 | 0.00024 |
| 49.50  | -176.78 | 0.00022 | 42.43  | -183.85 | 0.00021 |
| 190.92 | -49.50  | 0.00023 | 183.85 | -56.57  | 0.00024 |
| 176.78 | -63.64  | 0.00026 | 169.71 | -70.71  | 0.00027 |
| 162.63 | -77.78  | 0.00028 | 155.56 | -84.85  | 0.00029 |
| 148.49 | -91.92  | 0.00029 | 141.42 | -98.99  | 0.00030 |
| 137.89 | -102.53 | 0.00030 | 134.35 | -106.07 | 0.00030 |
| 132.23 | -108.19 | 0.00030 | 130.81 | -109.60 | 0.00030 |
| 129.40 | -111.02 | 0.00030 | 127.99 | -112.43 | 0.00030 |
| 126.57 | -113.84 | 0.00029 | 113.84 | -126.57 | 0.00029 |
| 112.43 | -127.99 | 0.00029 | 111.02 | -129.40 | 0.00028 |
| 109.60 | -130.81 | 0.00028 | 108.19 | -132.23 | 0.00028 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41

\*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL    DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: NCRA\_S5

\*\*\* INCLUDING SOURCE(S):            NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER            IN MICROGRAMS/M\*\*3                      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 106.07      | -134.35     | 0.00028 | 102.53      | -137.89     | 0.00028 |
| 98.99       | -141.42     | 0.00027 | 91.92       | -148.49     | 0.00026 |
| 84.85       | -155.56     | 0.00026 | 77.78       | -162.63     | 0.00025 |
| 70.71       | -169.71     | 0.00024 | 63.64       | -176.78     | 0.00023 |
| 56.57       | -183.85     | 0.00022 | 49.50       | -190.92     | 0.00020 |
| 197.99      | -56.57      | 0.00022 | 190.92      | -63.64      | 0.00023 |
| 183.85      | -70.71      | 0.00025 | 176.78      | -77.78      | 0.00026 |
| 169.71      | -84.85      | 0.00027 | 162.63      | -91.92      | 0.00027 |
| 155.56      | -98.99      | 0.00028 | 148.49      | -106.07     | 0.00028 |
| 144.96      | -109.60     | 0.00028 | 141.42      | -113.14     | 0.00028 |
| 139.30      | -115.26     | 0.00028 | 137.89      | -116.67     | 0.00028 |
| 136.47      | -118.09     | 0.00028 | 135.06      | -119.50     | 0.00028 |
| 133.64      | -120.92     | 0.00028 | 120.92      | -133.64     | 0.00027 |
| 119.50      | -135.06     | 0.00027 | 118.09      | -136.47     | 0.00027 |
| 116.67      | -137.89     | 0.00027 | 115.26      | -139.30     | 0.00027 |
| 113.14      | -141.42     | 0.00027 | 109.60      | -144.96     | 0.00026 |
| 106.07      | -148.49     | 0.00026 | 98.99       | -155.56     | 0.00025 |
| 91.92       | -162.63     | 0.00024 | 84.85       | -169.71     | 0.00024 |
| 77.78       | -176.78     | 0.00023 | 70.71       | -183.85     | 0.00022 |
| 63.64       | -190.92     | 0.00021 | 56.57       | -197.99     | 0.00020 |
| 205.06      | -63.64      | 0.00021 | 197.99      | -70.71      | 0.00023 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 190.92 | -77.78  | 0.00024 | 183.85 | -84.85  | 0.00025 |
| 176.78 | -91.92  | 0.00025 | 169.71 | -98.99  | 0.00026 |
| 162.63 | -106.07 | 0.00026 | 155.56 | -113.14 | 0.00027 |
| 152.03 | -116.67 | 0.00027 | 148.49 | -120.21 | 0.00027 |
| 146.37 | -122.33 | 0.00027 | 144.96 | -123.74 | 0.00027 |
| 143.54 | -125.16 | 0.00027 | 142.13 | -126.57 | 0.00027 |
| 140.71 | -127.99 | 0.00027 | 127.99 | -140.71 | 0.00026 |
| 126.57 | -142.13 | 0.00026 | 125.16 | -143.54 | 0.00026 |
| 123.74 | -144.96 | 0.00026 | 122.33 | -146.37 | 0.00025 |
| 120.21 | -148.49 | 0.00025 | 116.67 | -152.03 | 0.00025 |
| 113.14 | -155.56 | 0.00025 | 106.07 | -162.63 | 0.00024 |
| 98.99  | -169.71 | 0.00023 | 91.92  | -176.78 | 0.00023 |
| 84.85  | -183.85 | 0.00022 | 77.78  | -190.92 | 0.00021 |
| 70.71  | -197.99 | 0.00020 | 63.64  | -205.06 | 0.00019 |
| 212.13 | -70.71  | 0.00021 | 205.06 | -77.78  | 0.00022 |
| 197.99 | -84.85  | 0.00023 | 190.92 | -91.92  | 0.00024 |
| 183.85 | -98.99  | 0.00024 | 176.78 | -106.07 | 0.00025 |
| 169.71 | -113.14 | 0.00025 | 162.63 | -120.21 | 0.00025 |
| 159.10 | -123.74 | 0.00025 | 155.56 | -127.28 | 0.00025 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
 PAGE 120  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S5  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 153.44      | -129.40     | 0.00025 | 152.03      | -130.81     | 0.00025 |
| 150.61      | -132.23     | 0.00025 | 149.20      | -133.64     | 0.00025 |
| 147.79      | -135.06     | 0.00025 | 135.06      | -147.79     | 0.00025 |
| 133.64      | -149.20     | 0.00025 | 132.23      | -150.61     | 0.00024 |
| 130.81      | -152.03     | 0.00024 | 129.40      | -153.44     | 0.00024 |
| 127.28      | -155.56     | 0.00024 | 123.74      | -159.10     | 0.00024 |
| 120.21      | -162.63     | 0.00024 | 113.14      | -169.71     | 0.00023 |
| 106.07      | -176.78     | 0.00022 | 98.99       | -183.85     | 0.00022 |
| 91.92       | -190.92     | 0.00021 | 84.85       | -197.99     | 0.00020 |
| 77.78       | -205.06     | 0.00019 | 70.71       | -212.13     | 0.00018 |
| 219.20      | -77.78      | 0.00020 | 212.13      | -84.85      | 0.00021 |
| 205.06      | -91.92      | 0.00022 | 197.99      | -98.99      | 0.00023 |
| 190.92      | -106.07     | 0.00023 | 183.85      | -113.14     | 0.00024 |
| 176.78      | -120.21     | 0.00024 | 169.71      | -127.28     | 0.00024 |
| 166.17      | -130.81     | 0.00024 | 162.63      | -134.35     | 0.00024 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 160.51 | -136.47 | 0.00024 | 159.10 | -137.89 | 0.00024 |
| 157.68 | -139.30 | 0.00024 | 156.27 | -140.71 | 0.00024 |
| 154.86 | -142.13 | 0.00024 | 142.13 | -154.86 | 0.00023 |
| 140.71 | -156.27 | 0.00023 | 139.30 | -157.68 | 0.00023 |
| 137.89 | -159.10 | 0.00023 | 136.47 | -160.51 | 0.00023 |
| 134.35 | -162.63 | 0.00023 | 130.81 | -166.17 | 0.00023 |
| 127.28 | -169.71 | 0.00022 | 120.21 | -176.78 | 0.00022 |
| 113.14 | -183.85 | 0.00021 | 106.07 | -190.92 | 0.00021 |
| 98.99  | -197.99 | 0.00020 | 91.92  | -205.06 | 0.00019 |
| 84.85  | -212.13 | 0.00019 | 77.78  | -219.20 | 0.00018 |
| 226.27 | -84.85  | 0.00019 | 219.20 | -91.92  | 0.00020 |
| 212.13 | -98.99  | 0.00021 | 205.06 | -106.07 | 0.00022 |
| 197.99 | -113.14 | 0.00022 | 190.92 | -120.21 | 0.00023 |
| 183.85 | -127.28 | 0.00023 | 176.78 | -134.35 | 0.00023 |
| 173.24 | -137.89 | 0.00023 | 169.71 | -141.42 | 0.00023 |
| 167.58 | -143.54 | 0.00023 | 166.17 | -144.96 | 0.00023 |
| 164.76 | -146.37 | 0.00023 | 163.34 | -147.79 | 0.00023 |
| 161.93 | -149.20 | 0.00023 | 149.20 | -161.93 | 0.00022 |
| 147.79 | -163.34 | 0.00022 | 146.37 | -164.76 | 0.00022 |
| 144.96 | -166.17 | 0.00022 | 143.54 | -167.58 | 0.00022 |
| 141.42 | -169.71 | 0.00022 | 137.89 | -173.24 | 0.00022 |
| 134.35 | -176.78 | 0.00021 | 127.28 | -183.85 | 0.00021 |
| 120.21 | -190.92 | 0.00020 | 113.14 | -197.99 | 0.00020 |
| 106.07 | -205.06 | 0.00019 | 98.99  | -212.13 | 0.00019 |
| 91.92  | -219.20 | 0.00018 | 84.85  | -226.27 | 0.00017 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
 PAGE 121

CONC      URBAN FLAT      FLGPOL DFAULT

\*\*\*      \*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION      VALUES FOR SOURCE GROUP: NCRA\_S5  
 INCLUDING SOURCE(S):      NCRA\_S5 ,      \*\*\*

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER      IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 233.35      | -91.92      | 0.00019 | 226.27      | -98.99      | 0.00019 |
| 219.20      | -106.07     | 0.00020 | 212.13      | -113.14     | 0.00021 |
| 205.06      | -120.21     | 0.00021 | 197.99      | -127.28     | 0.00022 |
| 190.92      | -134.35     | 0.00022 | 183.85      | -141.42     | 0.00022 |
| 180.31      | -144.96     | 0.00022 | 176.78      | -148.49     | 0.00022 |
| 174.66      | -150.61     | 0.00022 | 173.24      | -152.03     | 0.00022 |
| 171.83      | -153.44     | 0.00022 | 170.41      | -154.86     | 0.00022 |
| 169.00      | -156.27     | 0.00022 | 156.27      | -169.00     | 0.00021 |
| 154.86      | -170.41     | 0.00021 | 153.44      | -171.83     | 0.00021 |



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 152.03 | -173.24 | 0.00021 | 150.61 | -174.66 | 0.00021 |
| 148.49 | -176.78 | 0.00021 | 144.96 | -180.31 | 0.00021 |
| 141.42 | -183.85 | 0.00021 | 134.35 | -190.92 | 0.00020 |
| 127.28 | -197.99 | 0.00020 | 120.21 | -205.06 | 0.00019 |
| 113.14 | -212.13 | 0.00018 | 106.07 | -219.20 | 0.00018 |
| 98.99  | -226.27 | 0.00017 | 91.92  | -233.35 | 0.00017 |
| 240.42 | -98.99  | 0.00018 | 233.35 | -106.07 | 0.00019 |
| 226.27 | -113.14 | 0.00019 | 219.20 | -120.21 | 0.00020 |
| 212.13 | -127.28 | 0.00020 | 205.06 | -134.35 | 0.00021 |
| 197.99 | -141.42 | 0.00021 | 190.92 | -148.49 | 0.00021 |
| 187.38 | -152.03 | 0.00021 | 183.85 | -155.56 | 0.00021 |
| 181.73 | -157.68 | 0.00021 | 180.31 | -159.10 | 0.00021 |
| 178.90 | -160.51 | 0.00021 | 177.48 | -161.93 | 0.00021 |
| 176.07 | -163.34 | 0.00021 | 163.34 | -176.07 | 0.00021 |
| 161.93 | -177.48 | 0.00020 | 160.51 | -178.90 | 0.00020 |
| 159.10 | -180.31 | 0.00020 | 157.68 | -181.73 | 0.00020 |
| 155.56 | -183.85 | 0.00020 | 152.03 | -187.38 | 0.00020 |
| 148.49 | -190.92 | 0.00020 | 141.42 | -197.99 | 0.00019 |
| 134.35 | -205.06 | 0.00019 | 127.28 | -212.13 | 0.00018 |
| 120.21 | -219.20 | 0.00018 | 113.14 | -226.27 | 0.00017 |
| 106.07 | -233.35 | 0.00017 | 98.99  | -240.42 | 0.00016 |
| 247.49 | -106.07 | 0.00017 | 240.42 | -113.14 | 0.00018 |
| 233.35 | -120.21 | 0.00019 | 226.27 | -127.28 | 0.00019 |
| 219.20 | -134.35 | 0.00020 | 212.13 | -141.42 | 0.00020 |
| 205.06 | -148.49 | 0.00020 | 197.99 | -155.56 | 0.00020 |
| 194.45 | -159.10 | 0.00020 | 190.92 | -162.63 | 0.00020 |
| 188.80 | -164.76 | 0.00020 | 187.38 | -166.17 | 0.00020 |
| 185.97 | -167.58 | 0.00020 | 184.55 | -169.00 | 0.00020 |
| 183.14 | -170.41 | 0.00020 | 170.41 | -183.14 | 0.00020 |
| 169.00 | -184.55 | 0.00020 | 167.58 | -185.97 | 0.00020 |
| 166.17 | -187.38 | 0.00019 | 164.76 | -188.80 | 0.00019 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

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\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S5  
 INCLUDING SOURCE(S): NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 162.63      | -190.92     | 0.00019 | 159.10      | -194.45     | 0.00019 |
| 155.56      | -197.99     | 0.00019 | 148.49      | -205.06     | 0.00018 |
| 141.42      | -212.13     | 0.00018 | 134.35      | -219.20     | 0.00018 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 127.28 | -226.27 | 0.00017 | 120.21 | -233.35 | 0.00017 |
| 113.14 | -240.42 | 0.00016 | 106.07 | -247.49 | 0.00015 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
 PAGE 123  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -106.07     | 247.49      | 0.00031 | -113.14     | 240.42      | 0.00035 |
| -120.21     | 233.35      | 0.00039 | -127.28     | 226.27      | 0.00045 |
| -134.35     | 219.20      | 0.00053 | -141.42     | 212.13      | 0.00062 |
| -148.49     | 205.06      | 0.00075 | -155.56     | 197.99      | 0.00093 |
| -159.10     | 194.45      | 0.00105 | -162.63     | 190.92      | 0.00119 |
| -164.76     | 188.80      | 0.00128 | -166.17     | 187.38      | 0.00135 |
| -167.58     | 185.97      | 0.00142 | -169.00     | 184.55      | 0.00148 |
| -170.41     | 183.14      | 0.00155 | -183.14     | 170.41      | 0.00164 |
| -184.55     | 169.00      | 0.00161 | -185.97     | 167.58      | 0.00157 |
| -187.38     | 166.17      | 0.00154 | -188.80     | 164.76      | 0.00150 |
| -190.92     | 162.63      | 0.00145 | -194.45     | 159.10      | 0.00135 |
| -197.99     | 155.56      | 0.00126 | -205.06     | 148.49      | 0.00110 |
| -212.13     | 141.42      | 0.00097 | -219.20     | 134.35      | 0.00086 |
| -226.27     | 127.28      | 0.00077 | -233.35     | 120.21      | 0.00070 |
| -240.42     | 113.14      | 0.00063 | -247.49     | 106.07      | 0.00058 |
| -98.99      | 240.42      | 0.00032 | -106.07     | 233.35      | 0.00036 |
| -113.14     | 226.27      | 0.00041 | -120.21     | 219.20      | 0.00047 |
| -127.28     | 212.13      | 0.00055 | -134.35     | 205.06      | 0.00066 |
| -141.42     | 197.99      | 0.00080 | -148.49     | 190.92      | 0.00099 |
| -152.03     | 187.38      | 0.00113 | -155.56     | 183.85      | 0.00130 |
| -157.68     | 181.73      | 0.00142 | -159.10     | 180.31      | 0.00151 |
| -160.51     | 178.90      | 0.00161 | -161.93     | 177.48      | 0.00171 |
| -163.34     | 176.07      | 0.00182 | -176.07     | 163.34      | 0.00195 |
| -177.48     | 161.93      | 0.00189 | -178.90     | 160.51      | 0.00183 |
| -180.31     | 159.10      | 0.00176 | -181.73     | 157.68      | 0.00170 |
| -183.85     | 155.56      | 0.00162 | -187.38     | 152.03      | 0.00149 |
| -190.92     | 148.49      | 0.00138 | -197.99     | 141.42      | 0.00119 |
| -205.06     | 134.35      | 0.00104 | -212.13     | 127.28      | 0.00092 |
| -219.20     | 120.21      | 0.00082 | -226.27     | 113.14      | 0.00073 |
| -233.35     | 106.07      | 0.00066 | -240.42     | 98.99       | 0.00060 |
| -91.92      | 233.35      | 0.00033 | -98.99      | 226.27      | 0.00038 |
| -106.07     | 219.20      | 0.00043 | -113.14     | 212.13      | 0.00050 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -120.21 | 205.06 | 0.00059 | -127.28 | 197.99 | 0.00070 |
| -134.35 | 190.92 | 0.00085 | -141.42 | 183.85 | 0.00107 |
| -144.96 | 180.31 | 0.00121 | -148.49 | 176.78 | 0.00140 |
| -150.61 | 174.66 | 0.00154 | -152.03 | 173.24 | 0.00165 |
| -153.44 | 171.83 | 0.00177 | -154.86 | 170.41 | 0.00191 |
| -156.27 | 169.00 | 0.00206 | -169.00 | 156.27 | 0.00226 |
| -170.41 | 154.86 | 0.00215 | -171.83 | 153.44 | 0.00204 |
| -173.24 | 152.03 | 0.00195 | -174.66 | 150.61 | 0.00187 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
 PAGE 124  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -176.78     | 148.49      | 0.00177 | -180.31     | 144.96      | 0.00161 |
| -183.85     | 141.42      | 0.00148 | -190.92     | 134.35      | 0.00127 |
| -197.99     | 127.28      | 0.00111 | -205.06     | 120.21      | 0.00098 |
| -212.13     | 113.14      | 0.00086 | -219.20     | 106.07      | 0.00077 |
| -226.27     | 99.00       | 0.00070 | -233.35     | 91.92       | 0.00063 |
| -84.85      | 226.27      | 0.00035 | -91.92      | 219.20      | 0.00040 |
| -98.99      | 212.13      | 0.00045 | -106.07     | 205.06      | 0.00053 |
| -113.14     | 197.99      | 0.00062 | -120.21     | 190.92      | 0.00075 |
| -127.28     | 183.85      | 0.00092 | -134.35     | 176.78      | 0.00117 |
| -137.89     | 173.24      | 0.00134 | -141.42     | 169.71      | 0.00156 |
| -143.54     | 167.58      | 0.00172 | -144.96     | 166.17      | 0.00184 |
| -146.37     | 164.76      | 0.00199 | -147.79     | 163.34      | 0.00217 |
| -149.20     | 161.93      | 0.00241 | -161.93     | 149.20      | 0.00259 |
| -163.34     | 147.79      | 0.00240 | -164.76     | 146.37      | 0.00226 |
| -166.17     | 144.96      | 0.00215 | -167.58     | 143.54      | 0.00205 |
| -169.71     | 141.42      | 0.00192 | -173.24     | 137.89      | 0.00174 |
| -176.78     | 134.35      | 0.00160 | -183.85     | 127.28      | 0.00136 |
| -190.92     | 120.21      | 0.00118 | -197.99     | 113.14      | 0.00103 |
| -205.06     | 106.07      | 0.00091 | -212.13     | 99.00       | 0.00081 |
| -219.20     | 91.92       | 0.00073 | -226.27     | 84.85       | 0.00066 |
| -77.78      | 219.20      | 0.00036 | -84.85      | 212.13      | 0.00042 |
| -91.92      | 205.06      | 0.00048 | -98.99      | 197.99      | 0.00056 |
| -106.07     | 190.92      | 0.00067 | -113.14     | 183.85      | 0.00081 |
| -120.21     | 176.78      | 0.00101 | -127.28     | 169.71      | 0.00132 |
| -130.81     | 166.17      | 0.00155 | -134.35     | 162.63      | 0.00188 |
| -136.47     | 160.51      | 0.00217 | -137.89     | 159.10      | 0.00241 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -139.30 | 157.68 | 0.00272 | -140.71 | 156.27 | 0.00312 |
| -142.13 | 154.86 | 0.00367 | -154.86 | 142.13 | 0.00332 |
| -156.27 | 140.71 | 0.00296 | -157.68 | 139.30 | 0.00270 |
| -159.10 | 137.89 | 0.00250 | -160.51 | 136.47 | 0.00234 |
| -162.63 | 134.35 | 0.00216 | -166.17 | 130.81 | 0.00193 |
| -169.71 | 127.28 | 0.00175 | -176.78 | 120.21 | 0.00148 |
| -183.85 | 113.14 | 0.00127 | -190.92 | 106.07 | 0.00110 |
| -197.99 | 99.00  | 0.00097 | -205.06 | 91.92  | 0.00086 |
| -212.13 | 84.85  | 0.00076 | -219.20 | 77.78  | 0.00069 |
| -70.71  | 212.13 | 0.00038 | -77.78  | 205.06 | 0.00044 |
| -84.85  | 197.99 | 0.00051 | -91.92  | 190.92 | 0.00060 |
| -98.99  | 183.85 | 0.00072 | -106.07 | 176.78 | 0.00089 |
| -113.14 | 169.71 | 0.00114 | -120.21 | 162.63 | 0.00158 |
| -123.74 | 159.10 | 0.00194 | -127.28 | 155.56 | 0.00249 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40     | 153.44      | 0.00296 | -130.81     | 152.03      | 0.00335 |
| -132.23     | 150.61      | 0.00382 | -133.64     | 149.20      | 0.00440 |
| -135.06     | 147.79      | 0.00513 | -147.79     | 135.06      | 0.00424 |
| -149.20     | 133.64      | 0.00373 | -150.61     | 132.23      | 0.00335 |
| -152.03     | 130.81      | 0.00306 | -153.44     | 129.40      | 0.00282 |
| -155.56     | 127.28      | 0.00254 | -159.10     | 123.74      | 0.00220 |
| -162.63     | 120.21      | 0.00196 | -169.71     | 113.14      | 0.00162 |
| -176.78     | 106.07      | 0.00138 | -183.85     | 98.99       | 0.00118 |
| -190.92     | 91.92       | 0.00103 | -197.99     | 84.85       | 0.00091 |
| -205.06     | 77.78       | 0.00081 | -212.13     | 70.71       | 0.00072 |
| -63.64      | 205.06      | 0.00040 | -70.71      | 197.99      | 0.00046 |
| -77.78      | 190.92      | 0.00054 | -84.85      | 183.85      | 0.00064 |
| -91.92      | 176.78      | 0.00079 | -98.99      | 169.71      | 0.00100 |
| -106.07     | 162.63      | 0.00134 | -113.14     | 155.56      | 0.00195 |
| -116.67     | 152.03      | 0.00246 | -120.21     | 148.49      | 0.00321 |
| -122.33     | 146.37      | 0.00381 | -123.74     | 144.96      | 0.00429 |
| -125.16     | 143.54      | 0.00487 | -126.57     | 142.13      | 0.00554 |
| -127.99     | 140.71      | 0.00637 | -140.71     | 127.99      | 0.00512 |
| -142.13     | 126.57      | 0.00451 | -143.54     | 125.16      | 0.00405 |
| -144.96     | 123.74      | 0.00368 | -146.37     | 122.33      | 0.00338 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -148.49 | 120.21 | 0.00302 | -152.03 | 116.67 | 0.00257 |
| -155.56 | 113.14 | 0.00224 | -162.63 | 106.07 | 0.00179 |
| -169.71 | 98.99  | 0.00149 | -176.78 | 91.92  | 0.00127 |
| -183.85 | 84.85  | 0.00110 | -190.92 | 77.78  | 0.00096 |
| -197.99 | 70.71  | 0.00085 | -205.06 | 63.64  | 0.00076 |
| -56.57  | 197.99 | 0.00042 | -63.64  | 190.92 | 0.00049 |
| -70.71  | 183.85 | 0.00058 | -77.78  | 176.78 | 0.00070 |
| -84.85  | 169.71 | 0.00088 | -91.92  | 162.63 | 0.00114 |
| -98.99  | 155.56 | 0.00158 | -106.07 | 148.49 | 0.00237 |
| -109.60 | 144.96 | 0.00301 | -113.14 | 141.42 | 0.00389 |
| -115.26 | 139.30 | 0.00457 | -116.67 | 137.89 | 0.00512 |
| -118.09 | 136.47 | 0.00575 | -119.50 | 135.06 | 0.00648 |
| -120.92 | 133.64 | 0.00735 | -133.64 | 120.92 | 0.00589 |
| -135.06 | 119.50 | 0.00522 | -136.47 | 118.09 | 0.00470 |
| -137.89 | 116.67 | 0.00427 | -139.30 | 115.26 | 0.00392 |
| -141.42 | 113.14 | 0.00350 | -144.96 | 109.60 | 0.00296 |
| -148.49 | 106.07 | 0.00255 | -155.56 | 98.99  | 0.00199 |
| -162.63 | 91.92  | 0.00163 | -169.71 | 84.85  | 0.00137 |
| -176.78 | 77.78  | 0.00117 | -183.85 | 70.71  | 0.00102 |
| -190.92 | 63.64  | 0.00090 | -197.99 | 56.57  | 0.00080 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTS:  
 PAGE 126  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -49.50      | 190.92      | 0.00045 | -56.57      | 183.85      | 0.00053 |
| -63.64      | 176.78      | 0.00063 | -70.71      | 169.71      | 0.00078 |
| -77.78      | 162.63      | 0.00099 | -84.85      | 155.56      | 0.00131 |
| -91.92      | 148.49      | 0.00185 | -98.99      | 141.42      | 0.00279 |
| -102.53     | 137.89      | 0.00351 | -106.07     | 134.35      | 0.00448 |
| -108.19     | 132.23      | 0.00522 | -109.60     | 130.81      | 0.00581 |
| -111.02     | 129.40      | 0.00648 | -112.43     | 127.99      | 0.00724 |
| -113.84     | 126.57      | 0.00814 | -126.57     | 113.84      | 0.00654 |
| -127.99     | 112.43      | 0.00583 | -129.40     | 111.02      | 0.00527 |
| -130.81     | 109.60      | 0.00480 | -132.23     | 108.19      | 0.00442 |
| -134.35     | 106.07      | 0.00394 | -137.89     | 102.53      | 0.00333 |
| -141.42     | 98.99       | 0.00287 | -148.49     | 91.92       | 0.00222 |
| -155.56     | 84.85       | 0.00178 | -162.63     | 77.78       | 0.00148 |
| -169.71     | 70.71       | 0.00125 | -176.78     | 63.64       | 0.00108 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -183.85 | 56.57  | 0.00095 | -190.92 | 49.50  | 0.00084 |
| -42.43  | 183.85 | 0.00048 | -49.50  | 176.78 | 0.00057 |
| -56.57  | 169.71 | 0.00069 | -63.64  | 162.63 | 0.00086 |
| -70.71  | 155.56 | 0.00111 | -77.78  | 148.49 | 0.00150 |
| -84.85  | 141.42 | 0.00213 | -91.92  | 134.35 | 0.00318 |
| -95.46  | 130.81 | 0.00395 | -98.99  | 127.28 | 0.00499 |
| -101.12 | 125.16 | 0.00578 | -102.53 | 123.74 | 0.00639 |
| -103.94 | 122.33 | 0.00708 | -105.36 | 120.92 | 0.00786 |
| -106.77 | 119.50 | 0.00877 | -119.50 | 106.77 | 0.00708 |
| -120.92 | 105.36 | 0.00634 | -122.33 | 103.94 | 0.00575 |
| -123.74 | 102.53 | 0.00527 | -125.16 | 101.12 | 0.00485 |
| -127.28 | 98.99  | 0.00433 | -130.81 | 95.46  | 0.00367 |
| -134.35 | 91.92  | 0.00316 | -141.42 | 84.85  | 0.00244 |
| -148.49 | 77.78  | 0.00194 | -155.56 | 70.71  | 0.00159 |
| -162.63 | 63.64  | 0.00134 | -169.71 | 56.57  | 0.00115 |
| -176.78 | 49.50  | 0.00100 | -183.85 | 42.43  | 0.00088 |
| -35.36  | 176.78 | 0.00052 | -42.43  | 169.71 | 0.00062 |
| -49.50  | 162.63 | 0.00076 | -56.57  | 155.56 | 0.00096 |
| -63.64  | 148.49 | 0.00125 | -70.71  | 141.42 | 0.00169 |
| -77.78  | 134.35 | 0.00239 | -84.85  | 127.28 | 0.00352 |
| -88.39  | 123.74 | 0.00434 | -91.92  | 120.21 | 0.00543 |
| -94.05  | 118.09 | 0.00624 | -95.46  | 116.67 | 0.00687 |
| -96.87  | 115.26 | 0.00757 | -98.29  | 113.84 | 0.00837 |
| -99.70  | 112.43 | 0.00929 | -112.43 | 99.70  | 0.00754 |
| -113.84 | 98.29  | 0.00678 | -115.26 | 96.87  | 0.00617 |
| -116.67 | 95.46  | 0.00566 | -118.09 | 94.05  | 0.00523 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08 \*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41  
 \*\*MODELOPTS:  
 PAGE 127  
 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -120.21     | 91.92       | 0.00469 | -123.74     | 88.39       | 0.00398 |
| -127.28     | 84.85       | 0.00343 | -134.35     | 77.78       | 0.00265 |
| -141.42     | 70.71       | 0.00211 | -148.49     | 63.64       | 0.00172 |
| -155.56     | 56.57       | 0.00143 | -162.63     | 49.50       | 0.00122 |
| -169.71     | 42.43       | 0.00105 | -176.78     | 35.36       | 0.00092 |
| -28.28      | 169.71      | 0.00056 | -35.36      | 162.63      | 0.00068 |
| -42.43      | 155.56      | 0.00083 | -49.50      | 148.49      | 0.00106 |
| -56.57      | 141.42      | 0.00139 | -63.64      | 134.35      | 0.00188 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -70.71  | 127.28 | 0.00263 | -77.78  | 120.21 | 0.00382 |
| -81.32  | 116.67 | 0.00468 | -84.85  | 113.14 | 0.00580 |
| -86.97  | 111.02 | 0.00663 | -88.39  | 109.60 | 0.00727 |
| -89.80  | 108.19 | 0.00798 | -91.22  | 106.77 | 0.00880 |
| -92.63  | 105.36 | 0.00972 | -105.36 | 92.63  | 0.00792 |
| -106.77 | 91.22  | 0.00714 | -108.19 | 89.80  | 0.00652 |
| -109.60 | 88.39  | 0.00600 | -111.02 | 86.97  | 0.00556 |
| -113.14 | 84.85  | 0.00499 | -116.67 | 81.32  | 0.00425 |
| -120.21 | 77.78  | 0.00367 | -127.28 | 70.71  | 0.00284 |
| -134.35 | 63.64  | 0.00226 | -141.42 | 56.57  | 0.00184 |
| -148.49 | 49.50  | 0.00153 | -155.56 | 42.43  | 0.00129 |
| -162.63 | 35.36  | 0.00111 | -169.71 | 28.28  | 0.00097 |
| -21.21  | 162.63 | 0.00060 | -28.28  | 155.56 | 0.00073 |
| -35.36  | 148.49 | 0.00091 | -42.43  | 141.42 | 0.00116 |
| -49.50  | 134.35 | 0.00152 | -56.57  | 127.28 | 0.00205 |
| -63.64  | 120.21 | 0.00285 | -70.71  | 113.14 | 0.00409 |
| -74.25  | 109.60 | 0.00497 | -77.78  | 106.07 | 0.00611 |
| -79.90  | 103.94 | 0.00696 | -81.32  | 102.53 | 0.00761 |
| -82.73  | 101.12 | 0.00832 | -84.15  | 99.70  | 0.00915 |
| -85.56  | 98.29  | 0.01008 | -98.29  | 85.56  | 0.00824 |
| -99.70  | 84.15  | 0.00746 | -101.12 | 82.73  | 0.00682 |
| -102.53 | 81.32  | 0.00629 | -103.94 | 79.90  | 0.00584 |
| -106.07 | 77.78  | 0.00526 | -109.60 | 74.25  | 0.00449 |
| -113.14 | 70.71  | 0.00389 | -120.21 | 63.64  | 0.00302 |
| -127.28 | 56.57  | 0.00241 | -134.35 | 49.50  | 0.00196 |
| -141.42 | 42.43  | 0.00162 | -148.49 | 35.36  | 0.00137 |
| -155.56 | 28.28  | 0.00117 | -162.63 | 21.21  | 0.00101 |
| -14.14  | 155.56 | 0.00065 | -21.21  | 148.49 | 0.00079 |
| -28.28  | 141.42 | 0.00099 | -35.36  | 134.35 | 0.00127 |
| -42.43  | 127.28 | 0.00166 | -49.50  | 120.21 | 0.00222 |
| -56.57  | 113.14 | 0.00305 | -63.64  | 106.07 | 0.00432 |
| -67.18  | 102.53 | 0.00523 | -70.71  | 98.99  | 0.00639 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

15:49:41  
 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,  
 \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -72.83      | 96.87       | 0.00725 | -74.25      | 95.46       | 0.00790 |
| -75.66      | 94.05       | 0.00862 | -77.07      | 92.63       | 0.00944 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -78.49  | 91.22  | 0.01037 | -91.22  | 78.49  | 0.00847 |
| -92.63  | 77.07  | 0.00771 | -94.05  | 75.66  | 0.00708 |
| -95.46  | 74.25  | 0.00655 | -96.87  | 72.83  | 0.00609 |
| -98.99  | 70.71  | 0.00549 | -102.53 | 67.18  | 0.00471 |
| -106.07 | 63.64  | 0.00409 | -113.14 | 56.57  | 0.00318 |
| -120.21 | 49.50  | 0.00254 | -127.28 | 42.43  | 0.00207 |
| -134.35 | 35.36  | 0.00171 | -141.42 | 28.28  | 0.00144 |
| -148.49 | 21.21  | 0.00123 | -155.56 | 14.14  | 0.00106 |
| -7.07   | 148.49 | 0.00070 | -14.14  | 141.42 | 0.00086 |
| -21.21  | 134.35 | 0.00107 | -28.28  | 127.28 | 0.00137 |
| -35.36  | 120.21 | 0.00178 | -42.43  | 113.14 | 0.00237 |
| -49.50  | 106.07 | 0.00322 | -56.57  | 98.99  | 0.00453 |
| -60.10  | 95.46  | 0.00545 | -63.64  | 91.92  | 0.00663 |
| -65.76  | 89.80  | 0.00749 | -67.18  | 88.39  | 0.00815 |
| -68.59  | 86.97  | 0.00887 | -70.00  | 85.56  | 0.00968 |
| -71.42  | 84.15  | 0.01061 | -84.15  | 71.42  | 0.00870 |
| -85.56  | 70.00  | 0.00793 | -86.97  | 68.59  | 0.00730 |
| -88.39  | 67.18  | 0.00676 | -89.80  | 65.76  | 0.00629 |
| -91.92  | 63.64  | 0.00570 | -95.46  | 60.10  | 0.00490 |
| -98.99  | 56.57  | 0.00427 | -106.07 | 49.50  | 0.00333 |
| -113.14 | 42.43  | 0.00266 | -120.21 | 35.36  | 0.00217 |
| -127.28 | 28.28  | 0.00180 | -134.35 | 21.21  | 0.00151 |
| -141.42 | 14.14  | 0.00129 | -148.49 | 7.07   | 0.00111 |
| 0.00    | 141.42 | 0.00075 | -7.07   | 134.35 | 0.00092 |
| -14.14  | 127.28 | 0.00115 | -21.21  | 120.21 | 0.00147 |
| -28.28  | 113.14 | 0.00190 | -35.36  | 106.07 | 0.00250 |
| -42.43  | 98.99  | 0.00338 | -49.50  | 91.92  | 0.00472 |
| -53.03  | 88.39  | 0.00565 | -56.57  | 84.85  | 0.00684 |
| -58.69  | 82.73  | 0.00770 | -60.10  | 81.32  | 0.00836 |
| -61.52  | 79.90  | 0.00909 | -62.93  | 78.49  | 0.00990 |
| -64.35  | 77.07  | 0.01083 | -77.07  | 64.35  | 0.00890 |
| -78.49  | 62.93  | 0.00812 | -79.90  | 61.52  | 0.00749 |
| -81.32  | 60.10  | 0.00695 | -82.73  | 58.69  | 0.00648 |
| -84.85  | 56.57  | 0.00588 | -88.39  | 53.03  | 0.00506 |
| -91.92  | 49.50  | 0.00442 | -98.99  | 42.43  | 0.00346 |
| -106.07 | 35.36  | 0.00278 | -113.14 | 28.28  | 0.00227 |
| -120.21 | 21.21  | 0.00189 | -127.28 | 14.14  | 0.00158 |
| -134.35 | 7.07   | 0.00135 | -141.42 | 0.00   | 0.00116 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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 \*\*MODELOPTS:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

\*\*\*



\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

| ** CONC OF OTHER |             |         | IN MICROGRAMS/M**3 |             |         |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M)      | Y-COORD (M) | CONC    | X-COORD (M)        | Y-COORD (M) | CONC    |
| 7.07             | 134.35      | 0.00080 | 0.00               | 127.28      | 0.00099 |
| -7.07            | 120.21      | 0.00123 | -14.14             | 113.14      | 0.00156 |
| -21.21           | 106.07      | 0.00200 | -28.28             | 98.99       | 0.00263 |
| -35.36           | 91.92       | 0.00353 | -42.43             | 84.85       | 0.00488 |
| -45.96           | 81.32       | 0.00582 | -49.50             | 77.78       | 0.00702 |
| -51.62           | 75.66       | 0.00788 | -53.03             | 74.25       | 0.00854 |
| -54.45           | 72.83       | 0.00927 | -55.86             | 71.42       | 0.01008 |
| -57.28           | 70.00       | 0.01101 | -70.00             | 57.28       | 0.00907 |
| -71.42           | 55.86       | 0.00829 | -72.83             | 54.45       | 0.00765 |
| -74.25           | 53.03       | 0.00711 | -75.66             | 51.62       | 0.00664 |
| -77.78           | 49.50       | 0.00603 | -81.32             | 45.96       | 0.00521 |
| -84.85           | 42.43       | 0.00456 | -91.92             | 35.36       | 0.00358 |
| -98.99           | 28.28       | 0.00288 | -106.07            | 21.21       | 0.00236 |
| -113.14          | 14.14       | 0.00196 | -120.21            | 7.07        | 0.00165 |
| -127.28          | 0.00        | 0.00141 | -134.35            | -7.07       | 0.00121 |
| 14.14            | 127.28      | 0.00085 | 7.07               | 120.21      | 0.00105 |
| 0.00             | 113.14      | 0.00131 | -7.07              | 106.07      | 0.00164 |
| -14.14           | 98.99       | 0.00210 | -21.21             | 91.92       | 0.00274 |
| -28.28           | 84.85       | 0.00366 | -35.36             | 77.78       | 0.00503 |
| -38.89           | 74.25       | 0.00598 | -42.43             | 70.71       | 0.00717 |
| -44.55           | 68.59       | 0.00804 | -45.96             | 67.18       | 0.00870 |
| -47.38           | 65.76       | 0.00943 | -48.79             | 64.35       | 0.01025 |
| -50.20           | 62.93       | 0.01118 | -62.93             | 50.20       | 0.00923 |
| -64.35           | 48.79       | 0.00844 | -65.76             | 47.38       | 0.00780 |
| -67.18           | 45.96       | 0.00725 | -68.59             | 44.55       | 0.00678 |
| -70.71           | 42.43       | 0.00617 | -74.25             | 38.89       | 0.00534 |
| -77.78           | 35.36       | 0.00469 | -84.85             | 28.28       | 0.00369 |
| -91.92           | 21.21       | 0.00298 | -98.99             | 14.14       | 0.00244 |
| -106.07          | 7.07        | 0.00203 | -113.14            | 0.00        | 0.00171 |
| -120.21          | -7.07       | 0.00146 | -127.28            | -14.14      | 0.00126 |
| 21.21            | 120.21      | 0.00091 | 14.14              | 113.14      | 0.00111 |
| 7.07             | 106.07      | 0.00138 | 0.00               | 98.99       | 0.00173 |
| -7.07            | 91.92       | 0.00220 | -14.14             | 84.85       | 0.00285 |
| -21.21           | 77.78       | 0.00378 | -28.28             | 70.71       | 0.00516 |
| -31.82           | 67.18       | 0.00611 | -35.36             | 63.64       | 0.00731 |
| -37.48           | 61.52       | 0.00819 | -38.89             | 60.10       | 0.00885 |
| -40.31           | 58.69       | 0.00958 | -41.72             | 57.28       | 0.01039 |
| -43.13           | 55.86       | 0.01132 | -55.86             | 43.13       | 0.00937 |
| -57.28           | 41.72       | 0.00857 | -58.69             | 40.31       | 0.00793 |
| -60.10           | 38.89       | 0.00738 | -61.52             | 37.48       | 0.00691 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

\*\*\*

INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -63.64      | 35.36       | 0.00629 | -67.18      | 31.82       | 0.00546 |
| -70.71      | 28.28       | 0.00480 | -77.78      | 21.21       | 0.00379 |
| -84.85      | 14.14       | 0.00306 | -91.92      | 7.07        | 0.00252 |
| -98.99      | 0.00        | 0.00210 | -106.07     | -7.07       | 0.00177 |
| -113.14     | -14.14      | 0.00151 | -120.21     | -21.21      | 0.00130 |
| 28.28       | 113.14      | 0.00096 | 21.21       | 106.07      | 0.00117 |
| 14.14       | 98.99       | 0.00144 | 7.07        | 91.92       | 0.00180 |
| 0.00        | 84.85       | 0.00228 | -7.07       | 77.78       | 0.00294 |
| -14.14      | 70.71       | 0.00388 | -21.21      | 63.64       | 0.00528 |
| -24.75      | 60.10       | 0.00623 | -28.28      | 56.57       | 0.00744 |
| -30.41      | 54.45       | 0.00831 | -31.82      | 53.03       | 0.00897 |
| -33.23      | 51.62       | 0.00970 | -34.65      | 50.20       | 0.01052 |
| -36.06      | 48.79       | 0.01145 | -48.79      | 36.06       | 0.00950 |
| -50.20      | 34.65       | 0.00869 | -51.62      | 33.23       | 0.00804 |
| -53.03      | 31.82       | 0.00749 | -54.45      | 30.41       | 0.00702 |
| -56.57      | 28.28       | 0.00640 | -60.10      | 24.75       | 0.00556 |
| -63.64      | 21.21       | 0.00490 | -70.71      | 14.14       | 0.00388 |
| -77.78      | 7.07        | 0.00314 | -84.85      | 0.00        | 0.00259 |
| -91.92      | -7.07       | 0.00216 | -98.99      | -14.14      | 0.00183 |
| -106.07     | -21.21      | 0.00156 | -113.14     | -28.28      | 0.00134 |
| 35.36       | 106.07      | 0.00100 | 28.28       | 98.99       | 0.00122 |
| 21.21       | 91.92       | 0.00150 | 14.14       | 84.85       | 0.00187 |
| 7.07        | 77.78       | 0.00236 | 0.00        | 70.71       | 0.00303 |
| -7.07       | 63.64       | 0.00398 | -14.14      | 56.57       | 0.00538 |
| -17.68      | 53.03       | 0.00634 | -21.21      | 49.50       | 0.00755 |
| -23.33      | 47.38       | 0.00842 | -24.75      | 45.96       | 0.00908 |
| -26.16      | 44.55       | 0.00981 | -27.58      | 43.13       | 0.01064 |
| -28.99      | 41.72       | 0.01157 | -41.72      | 28.99       | 0.00961 |
| -43.13      | 27.58       | 0.00880 | -44.55      | 26.16       | 0.00814 |
| -45.96      | 24.75       | 0.00759 | -47.38      | 23.33       | 0.00712 |
| -49.50      | 21.21       | 0.00650 | -53.03      | 17.68       | 0.00566 |
| -56.57      | 14.14       | 0.00498 | -63.64      | 7.07        | 0.00396 |
| -70.71      | 0.00        | 0.00322 | -77.78      | -7.07       | 0.00265 |
| -84.85      | -14.14      | 0.00222 | -91.92      | -21.21      | 0.00188 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |         |        |         |
|--------|--------|---------|---------|--------|---------|
| -98.99 | -28.28 | 0.00161 | -106.07 | -35.36 | 0.00138 |
| 42.43  | 98.99  | 0.00105 | 35.36   | 91.92  | 0.00127 |
| 28.28  | 84.85  | 0.00156 | 21.21   | 77.78  | 0.00193 |
| 14.14  | 70.71  | 0.00243 | 7.07    | 63.64  | 0.00311 |
| 0.00   | 56.57  | 0.00407 | -7.07   | 49.50  | 0.00548 |
| -10.61 | 45.96  | 0.00644 | -14.14  | 42.43  | 0.00764 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| -16.26      | 40.31       | 0.00852 | -17.68      | 38.89       | 0.00918 |
| -19.09      | 37.48       | 0.00991 | -20.51      | 36.06       | 0.01074 |
| -21.92      | 34.65       | 0.01167 | -34.65      | 21.92       | 0.00970 |
| -36.06      | 20.51       | 0.00890 | -37.48      | 19.09       | 0.00824 |
| -38.89      | 17.68       | 0.00768 | -40.31      | 16.26       | 0.00720 |
| -42.43      | 14.14       | 0.00658 | -45.96      | 10.61       | 0.00574 |
| -49.50      | 7.07        | 0.00506 | -56.57      | 0.00        | 0.00403 |
| -63.64      | -7.07       | 0.00328 | -70.71      | -14.14      | 0.00271 |
| -77.78      | -21.21      | 0.00227 | -84.85      | -28.28      | 0.00193 |
| -91.92      | -35.36      | 0.00165 | -98.99      | -42.43      | 0.00142 |
| 49.50       | 91.92       | 0.00109 | 42.43       | 84.85       | 0.00132 |
| 35.36       | 77.78       | 0.00161 | 28.28       | 70.71       | 0.00199 |
| 21.21       | 63.64       | 0.00250 | 14.14       | 56.57       | 0.00318 |
| 7.07        | 49.50       | 0.00415 | 0.00        | 42.43       | 0.00556 |
| -3.54       | 38.89       | 0.00653 | -7.07       | 35.36       | 0.00773 |
| -9.19       | 33.23       | 0.00861 | -10.61      | 31.82       | 0.00927 |
| -12.02      | 30.41       | 0.01000 | -13.44      | 28.99       | 0.01083 |
| -14.85      | 27.58       | 0.01175 | -27.58      | 14.85       | 0.00976 |
| -28.99      | 13.44       | 0.00897 | -30.41      | 12.02       | 0.00832 |
| -31.82      | 10.61       | 0.00777 | -33.23      | 9.19        | 0.00729 |
| -35.36      | 7.07        | 0.00666 | -38.89      | 3.54        | 0.00582 |
| -42.43      | 0.00        | 0.00514 | -49.50      | -7.07       | 0.00410 |
| -56.57      | -14.14      | 0.00334 | -63.64      | -21.21      | 0.00277 |
| -70.71      | -28.28      | 0.00232 | -77.78      | -35.36      | 0.00197 |
| -84.85      | -42.43      | 0.00169 | -91.92      | -49.50      | 0.00146 |
| 56.57       | 84.85       | 0.00113 | 49.50       | 77.78       | 0.00137 |
| 42.43       | 70.71       | 0.00166 | 35.36       | 63.64       | 0.00205 |
| 28.28       | 56.57       | 0.00256 | 21.21       | 49.50       | 0.00325 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 14.14  | 42.43  | 0.00422 | 7.07   | 35.36  | 0.00564 |
| 3.54   | 31.82  | 0.00660 | 0.00   | 28.28  | 0.00782 |
| -2.12  | 26.16  | 0.00869 | -3.54  | 24.75  | 0.00935 |
| -4.95  | 23.33  | 0.01008 | -6.36  | 21.92  | 0.01089 |
| -7.78  | 20.51  | 0.01182 | -20.51 | 7.78   | 0.00983 |
| -21.92 | 6.36   | 0.00904 | -23.33 | 4.95   | 0.00839 |
| -24.75 | 3.54   | 0.00784 | -26.16 | 2.12   | 0.00735 |
| -28.28 | 0.00   | 0.00673 | -31.82 | -3.54  | 0.00589 |
| -35.36 | -7.07  | 0.00520 | -42.43 | -14.14 | 0.00416 |
| -49.50 | -21.21 | 0.00340 | -56.57 | -28.28 | 0.00282 |
| -63.64 | -35.36 | 0.00237 | -70.71 | -42.43 | 0.00201 |
| -77.78 | -49.50 | 0.00172 | -84.85 | -56.57 | 0.00149 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

\*\*\* INCLUDING SOURCE(S):      NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER      IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 63.64       | 77.78       | 0.00117 | 56.57       | 70.71       | 0.00141 |
| 49.50       | 63.64       | 0.00171 | 42.43       | 56.57       | 0.00210 |
| 35.36       | 49.50       | 0.00261 | 28.28       | 42.43       | 0.00331 |
| 21.21       | 35.36       | 0.00429 | 14.14       | 28.28       | 0.00571 |
| 10.61       | 24.75       | 0.00667 | 7.07        | 21.21       | 0.00788 |
| 4.95        | 19.09       | 0.00876 | 3.54        | 17.68       | 0.00942 |
| 2.12        | 16.26       | 0.01015 | 0.71        | 14.85       | 0.01096 |
| -0.71       | 13.44       | 0.01189 | -13.44      | 0.71        | 0.00989 |
| -14.85      | -0.71       | 0.00910 | -16.26      | -2.12       | 0.00845 |
| -17.68      | -3.54       | 0.00790 | -19.09      | -4.95       | 0.00742 |
| -21.21      | -7.07       | 0.00679 | -24.75      | -10.61      | 0.00594 |
| -28.28      | -14.14      | 0.00526 | -35.36      | -21.21      | 0.00422 |
| -42.43      | -28.28      | 0.00345 | -49.50      | -35.36      | 0.00286 |
| -56.57      | -42.43      | 0.00241 | -63.64      | -49.50      | 0.00205 |
| -70.71      | -56.57      | 0.00175 | -77.78      | -63.64      | 0.00152 |
| 70.71       | 70.71       | 0.00121 | 63.64       | 63.64       | 0.00145 |
| 56.57       | 56.57       | 0.00175 | 49.50       | 49.50       | 0.00215 |
| 42.43       | 42.43       | 0.00266 | 35.36       | 35.36       | 0.00337 |
| 28.28       | 28.28       | 0.00435 | 21.21       | 21.21       | 0.00577 |
| 17.68       | 17.68       | 0.00674 | 14.14       | 14.14       | 0.00795 |
| 12.02       | 12.02       | 0.00882 | 10.61       | 10.61       | 0.00948 |
| 9.19        | 9.19        | 0.01021 | 7.78        | 7.78        | 0.01102 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 6.36   | 6.36   | 0.01195 | -6.36  | -6.36  | 0.00995 |
| -7.78  | -7.78  | 0.00916 | -9.19  | -9.19  | 0.00851 |
| -10.61 | -10.61 | 0.00795 | -12.02 | -12.02 | 0.00747 |
| -14.14 | -14.14 | 0.00685 | -17.68 | -17.68 | 0.00600 |
| -21.21 | -21.21 | 0.00531 | -28.28 | -28.28 | 0.00427 |
| -35.36 | -35.36 | 0.00349 | -42.43 | -42.43 | 0.00290 |
| -49.50 | -49.50 | 0.00244 | -56.57 | -56.57 | 0.00208 |
| -63.64 | -63.64 | 0.00178 | -70.71 | -70.71 | 0.00154 |
| 77.78  | 63.64  | 0.00124 | 70.71  | 56.57  | 0.00149 |
| 63.64  | 49.50  | 0.00179 | 56.57  | 42.43  | 0.00219 |
| 49.50  | 35.36  | 0.00271 | 42.43  | 28.28  | 0.00342 |
| 35.36  | 21.21  | 0.00440 | 28.28  | 14.14  | 0.00583 |
| 24.75  | 10.61  | 0.00679 | 21.21  | 7.07   | 0.00800 |
| 19.09  | 4.95   | 0.00887 | 17.68  | 3.54   | 0.00953 |
| 16.26  | 2.12   | 0.01027 | 14.85  | 0.71   | 0.01108 |
| 13.44  | -0.71  | 0.01200 | 0.71   | -13.44 | 0.01000 |
| -0.71  | -14.85 | 0.00921 | -2.12  | -16.26 | 0.00856 |
| -3.54  | -17.68 | 0.00800 | -4.95  | -19.09 | 0.00752 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S):            NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

| ** CONC OF OTHER            IN MICROGRAMS/M**3 |             |         | **          |             |         |
|--|-------------|---------|-------------|-------------|---------|
| X-COORD (M)                                    | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
| -7.07  | -21.21      | 0.00690 | -10.61      | -24.75      | 0.00604 |
| -14.14   | -28.28      | 0.00536 | -21.21      | -35.36      | 0.00431 |
| -28.28   | -42.43      | 0.00353 | -35.36      | -49.50      | 0.00294 |
| -42.43   | -56.57      | 0.00248 | -49.50      | -63.64      | 0.00211 |
| -56.57   | -70.71      | 0.00181 | -63.64      | -77.78      | 0.00157 |
| 84.85  | 56.57       | 0.00128 | 77.78       | 49.50       | 0.00152 |
| 70.71  | 42.43       | 0.00183 | 63.64       | 35.36       | 0.00223 |
| 56.57  | 28.28       | 0.00276 | 49.50       | 21.21       | 0.00346 |
| 42.43  | 14.14       | 0.00445 | 35.36       | 7.07        | 0.00587 |
| 31.82  | 3.54        | 0.00684 | 28.28       | 0.00        | 0.00805 |
| 26.16  | -2.12       | 0.00892 | 24.75       | -3.54       | 0.00958 |
| 23.33  | -4.95       | 0.01031 | 21.92       | -6.36       | 0.01113 |
| 20.51  | -7.78       | 0.01205 | 7.78        | -20.51      | 0.01006 |
| 6.36   | -21.92      | 0.00925 | 4.95        | -23.33      | 0.00860 |
| 3.54   | -24.75      | 0.00805 | 2.12        | -26.16      | 0.00756 |
| 0.00   | -28.28      | 0.00694 | -3.54       | -31.82      | 0.00609 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -7.07  | -35.36 | 0.00540 | -14.14 | -42.43 | 0.00435 |
| -21.21 | -49.50 | 0.00357 | -28.28 | -56.57 | 0.00298 |
| -35.36 | -63.64 | 0.00251 | -42.43 | -70.71 | 0.00214 |
| -49.50 | -77.78 | 0.00184 | -56.57 | -84.85 | 0.00159 |
| 91.92  | 49.50  | 0.00131 | 84.85  | 42.43  | 0.00155 |
| 77.78  | 35.36  | 0.00187 | 70.71  | 28.28  | 0.00227 |
| 63.64  | 21.21  | 0.00280 | 56.57  | 14.14  | 0.00351 |
| 49.50  | 7.07   | 0.00449 | 42.43  | 0.00   | 0.00591 |
| 38.89  | -3.54  | 0.00688 | 35.36  | -7.07  | 0.00809 |
| 33.23  | -9.19  | 0.00897 | 31.82  | -10.61 | 0.00963 |
| 30.41  | -12.02 | 0.01035 | 28.99  | -13.44 | 0.01117 |
| 27.58  | -14.85 | 0.01210 | 14.85  | -27.58 | 0.01011 |
| 13.44  | -28.99 | 0.00930 | 12.02  | -30.41 | 0.00864 |
| 10.61  | -31.82 | 0.00808 | 9.19   | -33.23 | 0.00760 |
| 7.07   | -35.36 | 0.00697 | 3.54   | -38.89 | 0.00612 |
| 0.00   | -42.43 | 0.00543 | -7.07  | -49.50 | 0.00438 |
| -14.14 | -56.57 | 0.00360 | -21.21 | -63.64 | 0.00301 |
| -28.28 | -70.71 | 0.00254 | -35.36 | -77.78 | 0.00216 |
| -42.43 | -84.85 | 0.00186 | -49.50 | -91.92 | 0.00161 |
| 98.99  | 42.43  | 0.00133 | 91.92  | 35.36  | 0.00158 |
| 84.85  | 28.28  | 0.00190 | 77.78  | 21.21  | 0.00230 |
| 70.71  | 14.14  | 0.00283 | 63.64  | 7.07   | 0.00354 |
| 56.57  | 0.00   | 0.00453 | 49.50  | -7.07  | 0.00595 |
| 45.96  | -10.61 | 0.00692 | 42.43  | -14.14 | 0.00813 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.31       | -16.26      | 0.00900 | 38.89       | -17.68      | 0.00966 |
| 37.48       | -19.09      | 0.01039 | 36.06       | -20.51      | 0.01121 |
| 34.65       | -21.92      | 0.01214 | 21.92       | -34.65      | 0.01015 |
| 20.51       | -36.06      | 0.00933 | 19.09       | -37.48      | 0.00867 |
| 17.68       | -38.89      | 0.00811 | 16.26       | -40.31      | 0.00763 |
| 14.14       | -42.43      | 0.00700 | 10.61       | -45.96      | 0.00615 |
| 7.07        | -49.50      | 0.00546 | 0.00        | -56.57      | 0.00441 |
| -7.07       | -63.64      | 0.00363 | -14.14      | -70.71      | 0.00303 |
| -21.21      | -77.78      | 0.00256 | -28.28      | -84.85      | 0.00218 |
| -35.36      | -91.92      | 0.00188 | -42.43      | -98.99      | 0.00163 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 106.07 | 35.36   | 0.00136 | 98.99  | 28.28   | 0.00161 |
| 91.92  | 21.21   | 0.00193 | 84.85  | 14.14   | 0.00233 |
| 77.78  | 7.07    | 0.00286 | 70.71  | 0.00    | 0.00358 |
| 63.64  | -7.07   | 0.00456 | 56.57  | -14.14  | 0.00599 |
| 53.03  | -17.68  | 0.00695 | 49.50  | -21.21  | 0.00816 |
| 47.38  | -23.33  | 0.00903 | 45.96  | -24.75  | 0.00969 |
| 44.55  | -26.16  | 0.01042 | 43.13  | -27.58  | 0.01125 |
| 41.72  | -28.99  | 0.01218 | 28.99  | -41.72  | 0.01017 |
| 27.58  | -43.13  | 0.00937 | 26.16  | -44.55  | 0.00870 |
| 24.75  | -45.96  | 0.00814 | 23.33  | -47.38  | 0.00766 |
| 21.21  | -49.50  | 0.00703 | 17.68  | -53.03  | 0.00618 |
| 14.14  | -56.57  | 0.00549 | 7.07   | -63.64  | 0.00443 |
| 0.00   | -70.71  | 0.00365 | -7.07  | -77.78  | 0.00305 |
| -14.14 | -84.85  | 0.00258 | -21.21 | -91.92  | 0.00220 |
| -28.28 | -98.99  | 0.00189 | -35.36 | -106.07 | 0.00164 |
| 113.14 | 28.28   | 0.00138 | 106.07 | 21.21   | 0.00164 |
| 98.99  | 14.14   | 0.00195 | 91.92  | 7.07    | 0.00236 |
| 84.85  | 0.00    | 0.00289 | 77.78  | -7.07   | 0.00360 |
| 70.71  | -14.14  | 0.00459 | 63.64  | -21.21  | 0.00602 |
| 60.10  | -24.75  | 0.00698 | 56.57  | -28.28  | 0.00819 |
| 54.45  | -30.41  | 0.00906 | 53.03  | -31.82  | 0.00972 |
| 51.62  | -33.23  | 0.01045 | 50.20  | -34.65  | 0.01127 |
| 48.79  | -36.06  | 0.01220 | 36.06  | -48.79  | 0.01017 |
| 34.65  | -50.20  | 0.00938 | 33.23  | -51.62  | 0.00873 |
| 31.82  | -53.03  | 0.00817 | 30.41  | -54.45  | 0.00768 |
| 28.28  | -56.57  | 0.00705 | 24.75  | -60.10  | 0.00620 |
| 21.21  | -63.64  | 0.00551 | 14.14  | -70.71  | 0.00445 |
| 7.07   | -77.78  | 0.00367 | 0.00   | -84.85  | 0.00307 |
| -7.07  | -91.92  | 0.00260 | -14.14 | -98.99  | 0.00221 |
| -21.21 | -106.07 | 0.00190 | -28.28 | -113.14 | 0.00165 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,  
 \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

| ** CONC OF OTHER |             |         | IN MICROGRAMS/M**3 |             |         |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M)      | Y-COORD (M) | CONC    | X-COORD (M)        | Y-COORD (M) | CONC    |
| 120.21           | 21.21       | 0.00141 | 113.14             | 14.14       | 0.00166 |
| 106.07           | 7.07        | 0.00198 | 98.99              | 0.00        | 0.00238 |
| 91.92            | -7.07       | 0.00292 | 84.85              | -14.14      | 0.00363 |
| 77.78            | -21.21      | 0.00462 | 70.71              | -28.28      | 0.00604 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 67.18  | -31.82  | 0.00700 | 63.64  | -35.36  | 0.00821 |
| 61.52  | -37.48  | 0.00909 | 60.10  | -38.89  | 0.00974 |
| 58.69  | -40.31  | 0.01047 | 57.28  | -41.72  | 0.01128 |
| 55.86  | -43.13  | 0.01221 | 43.13  | -55.86  | 0.01018 |
| 41.72  | -57.28  | 0.00939 | 40.31  | -58.69  | 0.00874 |
| 38.89  | -60.10  | 0.00818 | 37.48  | -61.52  | 0.00770 |
| 35.36  | -63.64  | 0.00707 | 31.82  | -67.18  | 0.00622 |
| 28.28  | -70.71  | 0.00553 | 21.21  | -77.78  | 0.00447 |
| 14.14  | -84.85  | 0.00369 | 7.07   | -91.92  | 0.00308 |
| 0.00   | -98.99  | 0.00261 | -7.07  | -106.07 | 0.00222 |
| -14.14 | -113.14 | 0.00192 | -21.21 | -120.21 | 0.00166 |
| 127.28 | 14.14   | 0.00143 | 120.21 | 7.07    | 0.00168 |
| 113.14 | 0.00    | 0.00200 | 106.07 | -7.07   | 0.00241 |
| 98.99  | -14.14  | 0.00294 | 91.92  | -21.21  | 0.00365 |
| 84.85  | -28.28  | 0.00464 | 77.78  | -35.36  | 0.00606 |
| 74.25  | -38.89  | 0.00702 | 70.71  | -42.43  | 0.00823 |
| 68.59  | -44.55  | 0.00910 | 67.18  | -45.96  | 0.00975 |
| 65.76  | -47.38  | 0.01048 | 64.35  | -48.79  | 0.01129 |
| 62.93  | -50.20  | 0.01222 | 50.20  | -62.93  | 0.01019 |
| 48.79  | -64.35  | 0.00939 | 47.38  | -65.76  | 0.00874 |
| 45.96  | -67.18  | 0.00819 | 44.55  | -68.59  | 0.00770 |
| 42.43  | -70.71  | 0.00708 | 38.89  | -74.25  | 0.00623 |
| 35.36  | -77.78  | 0.00554 | 28.28  | -84.85  | 0.00448 |
| 21.21  | -91.92  | 0.00370 | 14.14  | -98.99  | 0.00309 |
| 7.07   | -106.07 | 0.00262 | 0.00   | -113.14 | 0.00223 |
| -7.07  | -120.21 | 0.00192 | -14.14 | -127.28 | 0.00167 |
| 134.35 | 7.07    | 0.00145 | 127.28 | 0.00    | 0.00170 |
| 120.21 | -7.07   | 0.00202 | 113.14 | -14.14  | 0.00243 |
| 106.07 | -21.21  | 0.00296 | 98.99  | -28.28  | 0.00367 |
| 91.92  | -35.36  | 0.00465 | 84.85  | -42.43  | 0.00607 |
| 81.32  | -45.96  | 0.00703 | 77.78  | -49.50  | 0.00824 |
| 75.66  | -51.62  | 0.00910 | 74.25  | -53.03  | 0.00976 |
| 72.83  | -54.45  | 0.01049 | 71.42  | -55.86  | 0.01130 |
| 70.00  | -57.28  | 0.01222 | 57.28  | -70.00  | 0.01019 |
| 55.86  | -71.42  | 0.00940 | 54.45  | -72.83  | 0.00875 |
| 53.03  | -74.25  | 0.00819 | 51.62  | -75.66  | 0.00771 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 \*\*\* INCLUDING SOURCE(S):      NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,  
 \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*



20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound  
 \*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 49.50       | -77.78      | 0.00708 | 45.96       | -81.32      | 0.00623 |
| 42.43       | -84.85      | 0.00554 | 35.36       | -91.92      | 0.00449 |
| 28.28       | -98.99      | 0.00370 | 21.21       | -106.07     | 0.00310 |
| 14.14       | -113.14     | 0.00262 | 7.07        | -120.21     | 0.00224 |
| 0.00        | -127.28     | 0.00193 | -7.07       | -134.35     | 0.00168 |
| 141.42      | 0.00        | 0.00147 | 134.35      | -7.07       | 0.00172 |
| 127.28      | -14.14      | 0.00204 | 120.21      | -21.21      | 0.00244 |
| 113.14      | -28.28      | 0.00297 | 106.07      | -35.36      | 0.00368 |
| 98.99       | -42.43      | 0.00466 | 91.92       | -49.50      | 0.00608 |
| 88.39       | -53.03      | 0.00704 | 84.85       | -56.57      | 0.00824 |
| 82.73       | -58.69      | 0.00911 | 81.32       | -60.10      | 0.00976 |
| 79.90       | -61.52      | 0.01049 | 78.49       | -62.93      | 0.01130 |
| 77.07       | -64.35      | 0.01222 | 64.35       | -77.07      | 0.01019 |
| 62.93       | -78.49      | 0.00939 | 61.52       | -79.90      | 0.00874 |
| 60.10       | -81.32      | 0.00819 | 58.69       | -82.73      | 0.00770 |
| 56.57       | -84.85      | 0.00708 | 53.03       | -88.39      | 0.00623 |
| 49.50       | -91.92      | 0.00554 | 42.43       | -98.99      | 0.00449 |
| 35.36       | -106.07     | 0.00370 | 28.28       | -113.14     | 0.00310 |
| 21.21       | -120.21     | 0.00262 | 14.14       | -127.28     | 0.00224 |
| 7.07        | -134.35     | 0.00193 | 0.00        | -141.42     | 0.00168 |
| 148.49      | -7.07       | 0.00149 | 141.42      | -14.14      | 0.00174 |
| 134.35      | -21.21      | 0.00206 | 127.28      | -28.28      | 0.00246 |
| 120.21      | -35.36      | 0.00299 | 113.14      | -42.43      | 0.00369 |
| 106.07      | -49.50      | 0.00467 | 98.99       | -56.57      | 0.00608 |
| 95.46       | -60.10      | 0.00704 | 91.92       | -63.64      | 0.00824 |
| 89.80       | -65.76      | 0.00911 | 88.39       | -67.18      | 0.00976 |
| 86.97       | -68.59      | 0.01048 | 85.56       | -70.00      | 0.01129 |
| 84.15       | -71.42      | 0.01221 | 71.42       | -84.15      | 0.01019 |
| 70.00       | -85.56      | 0.00938 | 68.59       | -86.97      | 0.00873 |
| 67.18       | -88.39      | 0.00818 | 65.76       | -89.80      | 0.00769 |
| 63.64       | -91.92      | 0.00707 | 60.10       | -95.46      | 0.00622 |
| 56.57       | -98.99      | 0.00554 | 49.50       | -106.07     | 0.00448 |
| 42.43       | -113.14     | 0.00370 | 35.36       | -120.21     | 0.00309 |
| 28.28       | -127.28     | 0.00262 | 21.21       | -134.35     | 0.00224 |
| 14.14       | -141.42     | 0.00193 | 7.07        | -148.49     | 0.00169 |
| 155.56      | -14.14      | 0.00150 | 148.49      | -21.21      | 0.00176 |
| 141.42      | -28.28      | 0.00207 | 134.35      | -35.36      | 0.00247 |
| 127.28      | -42.43      | 0.00300 | 120.21      | -49.50      | 0.00370 |
| 113.14      | -56.57      | 0.00467 | 106.07      | -63.64      | 0.00608 |
| 102.53      | -67.18      | 0.00703 | 98.99       | -70.71      | 0.00823 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*  
 04/20/08

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 \*\*\* INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,  
 \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

|             |             | ** CONC OF OTHER | IN MICROGRAMS/M**3 |             |         |  |
|-------------|-------------|------------------|--------------------|-------------|---------|--|
| X-COORD (M) | Y-COORD (M) | CONC             | X-COORD (M)        | Y-COORD (M) | CONC    |  |
| 96.87       | -72.83      | 0.00909          | 95.46              | -74.25      | 0.00975 |  |
| 94.05       | -75.66      | 0.01047          | 92.63              | -77.07      | 0.01128 |  |
| 91.22       | -78.49      | 0.01220          | 78.49              | -91.22      | 0.01018 |  |
| 77.07       | -92.63      | 0.00936          | 75.66              | -94.05      | 0.00871 |  |
| 74.25       | -95.46      | 0.00816          | 72.83              | -96.87      | 0.00767 |  |
| 70.71       | -98.99      | 0.00705          | 67.18              | -102.53     | 0.00620 |  |
| 63.64       | -106.07     | 0.00552          | 56.57              | -113.14     | 0.00447 |  |
| 49.50       | -120.21     | 0.00368          | 42.43              | -127.28     | 0.00308 |  |
| 35.36       | -134.35     | 0.00261          | 28.28              | -141.42     | 0.00223 |  |
| 21.21       | -148.49     | 0.00193          | 14.14              | -155.56     | 0.00169 |  |
| 162.63      | -21.21      | 0.00152          | 155.56             | -28.28      | 0.00177 |  |
| 148.49      | -35.36      | 0.00209          | 141.42             | -42.43      | 0.00249 |  |
| 134.35      | -49.50      | 0.00300          | 127.28             | -56.57      | 0.00370 |  |
| 120.21      | -63.64      | 0.00466          | 113.14             | -70.71      | 0.00606 |  |
| 109.60      | -74.25      | 0.00702          | 106.07             | -77.78      | 0.00821 |  |
| 103.94      | -79.90      | 0.00907          | 102.53             | -81.32      | 0.00972 |  |
| 101.12      | -82.73      | 0.01044          | 99.70              | -84.15      | 0.01126 |  |
| 98.29       | -85.56      | 0.01218          | 85.56              | -98.29      | 0.01015 |  |
| 84.15       | -99.70      | 0.00934          | 82.73              | -101.12     | 0.00868 |  |
| 81.32       | -102.53     | 0.00812          | 79.90              | -103.94     | 0.00765 |  |
| 77.78       | -106.07     | 0.00702          | 74.25              | -109.60     | 0.00618 |  |
| 70.71       | -113.14     | 0.00549          | 63.64              | -120.21     | 0.00445 |  |
| 56.57       | -127.28     | 0.00366          | 49.50              | -134.35     | 0.00307 |  |
| 42.43       | -141.42     | 0.00260          | 35.36              | -148.49     | 0.00223 |  |
| 28.28       | -155.56     | 0.00193          | 21.21              | -162.63     | 0.00169 |  |
| 169.71      | -28.28      | 0.00153          | 162.63             | -35.36      | 0.00179 |  |
| 155.56      | -42.43      | 0.00210          | 148.49             | -49.50      | 0.00250 |  |
| 141.42      | -56.57      | 0.00301          | 134.35             | -63.64      | 0.00370 |  |
| 127.28      | -70.71      | 0.00466          | 120.21             | -77.78      | 0.00605 |  |
| 116.67      | -81.32      | 0.00699          | 113.14             | -84.85      | 0.00818 |  |
| 111.02      | -86.97      | 0.00904          | 109.60             | -88.39      | 0.00969 |  |
| 108.19      | -89.80      | 0.01041          | 106.77             | -91.22      | 0.01122 |  |
| 105.36      | -92.63      | 0.01215          | 92.63              | -105.36     | 0.01011 |  |
| 91.22       | -106.77     | 0.00931          | 89.80              | -108.19     | 0.00864 |  |
| 88.39       | -109.60     | 0.00808          | 86.97              | -111.02     | 0.00760 |  |
| 84.85       | -113.14     | 0.00698          | 81.32              | -116.67     | 0.00614 |  |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|       |         |         |       |         |         |
|-------|---------|---------|-------|---------|---------|
| 77.78 | -120.21 | 0.00546 | 70.71 | -127.28 | 0.00441 |
| 63.64 | -134.35 | 0.00364 | 56.57 | -141.42 | 0.00305 |
| 49.50 | -148.49 | 0.00259 | 42.43 | -155.56 | 0.00222 |
| 35.36 | -162.63 | 0.00193 | 28.28 | -169.71 | 0.00169 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* 04/20/08 \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 \*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 176.78      | -35.36      | 0.00155 | 169.71      | -42.43      | 0.00180 |
| 162.63      | -49.50      | 0.00211 | 155.56      | -56.57      | 0.00250 |
| 148.49      | -63.64      | 0.00301 | 141.42      | -70.71      | 0.00370 |
| 134.35      | -77.78      | 0.00464 | 127.28      | -84.85      | 0.00602 |
| 123.74      | -88.39      | 0.00696 | 120.21      | -91.92      | 0.00814 |
| 118.09      | -94.05      | 0.00900 | 116.67      | -95.46      | 0.00965 |
| 115.26      | -96.87      | 0.01036 | 113.84      | -98.29      | 0.01117 |
| 112.43      | -99.70      | 0.01209 | 99.70       | -112.43     | 0.01002 |
| 98.29       | -113.84     | 0.00923 | 96.87       | -115.26     | 0.00859 |
| 95.46       | -116.67     | 0.00804 | 94.05       | -118.09     | 0.00756 |
| 91.92       | -120.21     | 0.00693 | 88.39       | -123.74     | 0.00610 |
| 84.85       | -127.28     | 0.00541 | 77.78       | -134.35     | 0.00437 |
| 70.71       | -141.42     | 0.00360 | 63.64       | -148.49     | 0.00302 |
| 56.57       | -155.56     | 0.00257 | 49.50       | -162.63     | 0.00221 |
| 42.43       | -169.71     | 0.00192 | 35.36       | -176.78     | 0.00168 |
| 183.85      | -42.43      | 0.00156 | 176.78      | -49.50      | 0.00181 |
| 169.71      | -56.57      | 0.00212 | 162.63      | -63.64      | 0.00251 |
| 155.56      | -70.71      | 0.00302 | 148.49      | -77.78      | 0.00369 |
| 141.42      | -84.85      | 0.00463 | 134.35      | -91.92      | 0.00599 |
| 130.81      | -95.46      | 0.00692 | 127.28      | -98.99      | 0.00809 |
| 125.16      | -101.12     | 0.00894 | 123.74      | -102.53     | 0.00959 |
| 122.33      | -103.94     | 0.01030 | 120.92      | -105.36     | 0.01109 |
| 119.50      | -106.77     | 0.01201 | 106.77      | -119.50     | 0.00993 |
| 105.36      | -120.92     | 0.00915 | 103.94      | -122.33     | 0.00850 |
| 102.53      | -123.74     | 0.00796 | 101.12      | -125.16     | 0.00748 |
| 98.99       | -127.28     | 0.00687 | 95.46       | -130.81     | 0.00603 |
| 91.92       | -134.35     | 0.00536 | 84.85       | -141.42     | 0.00432 |
| 77.78       | -148.49     | 0.00356 | 70.71       | -155.56     | 0.00300 |
| 63.64       | -162.63     | 0.00255 | 56.57       | -169.71     | 0.00220 |
| 49.50       | -176.78     | 0.00191 | 42.43       | -183.85     | 0.00168 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 190.92 | -49.50  | 0.00157 | 183.85 | -56.57  | 0.00182 |
| 176.78 | -63.64  | 0.00213 | 169.71 | -70.71  | 0.00252 |
| 162.63 | -77.78  | 0.00302 | 155.56 | -84.85  | 0.00369 |
| 148.49 | -91.92  | 0.00461 | 141.42 | -98.99  | 0.00595 |
| 137.89 | -102.53 | 0.00687 | 134.35 | -106.07 | 0.00802 |
| 132.23 | -108.19 | 0.00887 | 130.81 | -109.60 | 0.00950 |
| 129.40 | -111.02 | 0.01021 | 127.99 | -112.43 | 0.01100 |
| 126.57 | -113.84 | 0.01191 | 113.84 | -126.57 | 0.00983 |
| 112.43 | -127.99 | 0.00905 | 111.02 | -129.40 | 0.00841 |
| 109.60 | -130.81 | 0.00786 | 108.19 | -132.23 | 0.00739 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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\*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL    DFAULT

\*\*\*                      \*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S):            NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER            IN MICROGRAMS/M\*\*3                      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 106.07      | -134.35     | 0.00678 | 102.53      | -137.89     | 0.00595 |
| 98.99       | -141.42     | 0.00528 | 91.92       | -148.49     | 0.00426 |
| 84.85       | -155.56     | 0.00352 | 77.78       | -162.63     | 0.00297 |
| 70.71       | -169.71     | 0.00253 | 63.64       | -176.78     | 0.00218 |
| 56.57       | -183.85     | 0.00190 | 49.50       | -190.92     | 0.00167 |
| 197.99      | -56.57      | 0.00158 | 190.92      | -63.64      | 0.00183 |
| 183.85      | -70.71      | 0.00214 | 176.78      | -77.78      | 0.00252 |
| 169.71      | -84.85      | 0.00302 | 162.63      | -91.92      | 0.00368 |
| 155.56      | -98.99      | 0.00459 | 148.49      | -106.07     | 0.00590 |
| 144.96      | -109.60     | 0.00680 | 141.42      | -113.14     | 0.00794 |
| 139.30      | -115.26     | 0.00877 | 137.89      | -116.67     | 0.00940 |
| 136.47      | -118.09     | 0.01010 | 135.06      | -119.50     | 0.01088 |
| 133.64      | -120.92     | 0.01178 | 120.92      | -133.64     | 0.00969 |
| 119.50      | -135.06     | 0.00891 | 118.09      | -136.47     | 0.00828 |
| 116.67      | -137.89     | 0.00774 | 115.26      | -139.30     | 0.00727 |
| 113.14      | -141.42     | 0.00667 | 109.60      | -144.96     | 0.00584 |
| 106.07      | -148.49     | 0.00518 | 98.99       | -155.56     | 0.00419 |
| 91.92       | -162.63     | 0.00348 | 84.85       | -169.71     | 0.00293 |
| 77.78       | -176.78     | 0.00251 | 70.71       | -183.85     | 0.00216 |
| 63.64       | -190.92     | 0.00189 | 56.57       | -197.99     | 0.00166 |
| 205.06      | -63.64      | 0.00159 | 197.99      | -70.71      | 0.00184 |
| 190.92      | -77.78      | 0.00214 | 183.85      | -84.85      | 0.00253 |
| 176.78      | -91.92      | 0.00302 | 169.71      | -98.99      | 0.00367 |
| 162.63      | -106.07     | 0.00457 | 155.56      | -113.14     | 0.00586 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 152.03 | -116.67 | 0.00673 | 148.49 | -120.21 | 0.00784 |
| 146.37 | -122.33 | 0.00865 | 144.96 | -123.74 | 0.00927 |
| 143.54 | -125.16 | 0.00996 | 142.13 | -126.57 | 0.01073 |
| 140.71 | -127.99 | 0.01161 | 127.99 | -140.71 | 0.00952 |
| 126.57 | -142.13 | 0.00874 | 125.16 | -143.54 | 0.00812 |
| 123.74 | -144.96 | 0.00758 | 122.33 | -146.37 | 0.00712 |
| 120.21 | -148.49 | 0.00652 | 116.67 | -152.03 | 0.00571 |
| 113.14 | -155.56 | 0.00508 | 106.07 | -162.63 | 0.00413 |
| 98.99  | -169.71 | 0.00343 | 91.92  | -176.78 | 0.00290 |
| 84.85  | -183.85 | 0.00248 | 77.78  | -190.92 | 0.00214 |
| 70.71  | -197.99 | 0.00187 | 63.64  | -205.06 | 0.00165 |
| 212.13 | -70.71  | 0.00160 | 205.06 | -77.78  | 0.00184 |
| 197.99 | -84.85  | 0.00215 | 190.92 | -91.92  | 0.00253 |
| 183.85 | -98.99  | 0.00301 | 176.78 | -106.07 | 0.00366 |
| 169.71 | -113.14 | 0.00454 | 162.63 | -120.21 | 0.00581 |
| 159.10 | -123.74 | 0.00667 | 155.56 | -127.28 | 0.00774 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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 \*\*MODELOPTs:  
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 CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 153.44      | -129.40     | 0.00853 | 152.03      | -130.81     | 0.00912 |
| 150.61      | -132.23     | 0.00979 | 149.20      | -133.64     | 0.01053 |
| 147.79      | -135.06     | 0.01139 | 135.06      | -147.79     | 0.00929 |
| 133.64      | -149.20     | 0.00852 | 132.23      | -150.61     | 0.00791 |
| 130.81      | -152.03     | 0.00738 | 129.40      | -153.44     | 0.00693 |
| 127.28      | -155.56     | 0.00635 | 123.74      | -159.10     | 0.00558 |
| 120.21      | -162.63     | 0.00498 | 113.14      | -169.71     | 0.00405 |
| 106.07      | -176.78     | 0.00338 | 98.99       | -183.85     | 0.00286 |
| 91.92       | -190.92     | 0.00245 | 84.85       | -197.99     | 0.00212 |
| 77.78       | -205.06     | 0.00186 | 70.71       | -212.13     | 0.00164 |
| 219.20      | -77.78      | 0.00160 | 212.13      | -84.85      | 0.00185 |
| 205.06      | -91.92      | 0.00215 | 197.99      | -98.99      | 0.00252 |
| 190.92      | -106.07     | 0.00301 | 183.85      | -113.14     | 0.00364 |
| 176.78      | -120.21     | 0.00452 | 169.71      | -127.28     | 0.00577 |
| 166.17      | -130.81     | 0.00661 | 162.63      | -134.35     | 0.00766 |
| 160.51      | -136.47     | 0.00841 | 159.10      | -137.89     | 0.00898 |
| 157.68      | -139.30     | 0.00961 | 156.27      | -140.71     | 0.01032 |
| 154.86      | -142.13     | 0.01115 | 142.13      | -154.86     | 0.00901 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 140.71 | -156.27 | 0.00826 | 139.30 | -157.68 | 0.00767 |
| 137.89 | -159.10 | 0.00717 | 136.47 | -160.51 | 0.00674 |
| 134.35 | -162.63 | 0.00620 | 130.81 | -166.17 | 0.00546 |
| 127.28 | -169.71 | 0.00488 | 120.21 | -176.78 | 0.00398 |
| 113.14 | -183.85 | 0.00332 | 106.07 | -190.92 | 0.00282 |
| 98.99  | -197.99 | 0.00242 | 91.92  | -205.06 | 0.00210 |
| 84.85  | -212.13 | 0.00184 | 77.78  | -219.20 | 0.00162 |
| 226.27 | -84.85  | 0.00160 | 219.20 | -91.92  | 0.00185 |
| 212.13 | -98.99  | 0.00214 | 205.06 | -106.07 | 0.00251 |
| 197.99 | -113.14 | 0.00299 | 190.92 | -120.21 | 0.00362 |
| 183.85 | -127.28 | 0.00448 | 176.78 | -134.35 | 0.00571 |
| 173.24 | -137.89 | 0.00654 | 169.71 | -141.42 | 0.00757 |
| 167.58 | -143.54 | 0.00831 | 166.17 | -144.96 | 0.00886 |
| 164.76 | -146.37 | 0.00947 | 163.34 | -147.79 | 0.01015 |
| 161.93 | -149.20 | 0.01093 | 149.20 | -161.93 | 0.00873 |
| 147.79 | -163.34 | 0.00803 | 146.37 | -164.76 | 0.00746 |
| 144.96 | -166.17 | 0.00699 | 143.54 | -167.58 | 0.00659 |
| 141.42 | -169.71 | 0.00606 | 137.89 | -173.24 | 0.00535 |
| 134.35 | -176.78 | 0.00478 | 127.28 | -183.85 | 0.00391 |
| 120.21 | -190.92 | 0.00327 | 113.14 | -197.99 | 0.00278 |
| 106.07 | -205.06 | 0.00239 | 98.99  | -212.13 | 0.00208 |
| 91.92  | -219.20 | 0.00182 | 84.85  | -226.27 | 0.00161 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*      \*\*\* NCRA Cumulative DPM Impacts      \*\*\*  
 04/20/08      \*\*\* Maximum train overlap at SE/NW Bound Direction      \*\*\*

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 \*\*MODELOPTs:  
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CONC                      URBAN FLAT    FLGPOL    DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION    VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S):            NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER            IN MICROGRAMS/M\*\*3                      \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 233.35      | -91.92      | 0.00160 | 226.27      | -98.99      | 0.00184 |
| 219.20      | -106.07     | 0.00214 | 212.13      | -113.14     | 0.00250 |
| 205.06      | -120.21     | 0.00297 | 197.99      | -127.28     | 0.00359 |
| 190.92      | -134.35     | 0.00443 | 183.85      | -141.42     | 0.00563 |
| 180.31      | -144.96     | 0.00643 | 176.78      | -148.49     | 0.00743 |
| 174.66      | -150.61     | 0.00814 | 173.24      | -152.03     | 0.00868 |
| 171.83      | -153.44     | 0.00926 | 170.41      | -154.86     | 0.00991 |
| 169.00      | -156.27     | 0.01060 | 156.27      | -169.00     | 0.00842 |
| 154.86      | -170.41     | 0.00779 | 153.44      | -171.83     | 0.00726 |
| 152.03      | -173.24     | 0.00682 | 150.61      | -174.66     | 0.00643 |
| 148.49      | -176.78     | 0.00593 | 144.96      | -180.31     | 0.00524 |
| 141.42      | -183.85     | 0.00468 | 134.35      | -190.92     | 0.00384 |

20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

|        |         |         |        |         |         |
|--------|---------|---------|--------|---------|---------|
| 127.28 | -197.99 | 0.00321 | 120.21 | -205.06 | 0.00273 |
| 113.14 | -212.13 | 0.00236 | 106.07 | -219.20 | 0.00205 |
| 98.99  | -226.27 | 0.00180 | 91.92  | -233.35 | 0.00160 |
| 240.42 | -98.99  | 0.00160 | 233.35 | -106.07 | 0.00184 |
| 226.27 | -113.14 | 0.00213 | 219.20 | -120.21 | 0.00249 |
| 212.13 | -127.28 | 0.00294 | 205.06 | -134.35 | 0.00354 |
| 197.99 | -141.42 | 0.00436 | 190.92 | -148.49 | 0.00550 |
| 187.38 | -152.03 | 0.00624 | 183.85 | -155.56 | 0.00712 |
| 181.73 | -157.68 | 0.00771 | 180.31 | -159.10 | 0.00813 |
| 178.90 | -160.51 | 0.00855 | 177.48 | -161.93 | 0.00897 |
| 176.07 | -163.34 | 0.00935 | 163.34 | -176.07 | 0.00767 |
| 161.93 | -177.48 | 0.00725 | 160.51 | -178.90 | 0.00685 |
| 159.10 | -180.31 | 0.00649 | 157.68 | -181.73 | 0.00615 |
| 155.56 | -183.85 | 0.00570 | 152.03 | -187.38 | 0.00507 |
| 148.49 | -190.92 | 0.00454 | 141.42 | -197.99 | 0.00373 |
| 134.35 | -205.06 | 0.00314 | 127.28 | -212.13 | 0.00268 |
| 120.21 | -219.20 | 0.00231 | 113.14 | -226.27 | 0.00202 |
| 106.07 | -233.35 | 0.00178 | 98.99  | -240.42 | 0.00158 |
| 247.49 | -106.07 | 0.00160 | 240.42 | -113.14 | 0.00183 |
| 233.35 | -120.21 | 0.00211 | 226.27 | -127.28 | 0.00246 |
| 219.20 | -134.35 | 0.00291 | 212.13 | -141.42 | 0.00348 |
| 205.06 | -148.49 | 0.00424 | 197.99 | -155.56 | 0.00525 |
| 194.45 | -159.10 | 0.00586 | 190.92 | -162.63 | 0.00653 |
| 188.80 | -164.76 | 0.00694 | 187.38 | -166.17 | 0.00721 |
| 185.97 | -167.58 | 0.00746 | 184.55 | -169.00 | 0.00770 |
| 183.14 | -170.41 | 0.00790 | 170.41 | -183.14 | 0.00676 |
| 169.00 | -184.55 | 0.00648 | 167.58 | -185.97 | 0.00620 |
| 166.17 | -187.38 | 0.00593 | 164.76 | -188.80 | 0.00568 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

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 \*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL  
 INCLUDING SOURCE(S): NCRA\_S1 , NCRA\_S2 , NCRA\_S3 , NCRA\_S4 , NCRA\_S5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3 \*\*

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 162.63      | -190.92     | 0.00533 | 159.10      | -194.45     | 0.00481 |
| 155.56      | -197.99     | 0.00435 | 148.49      | -205.06     | 0.00361 |
| 141.42      | -212.13     | 0.00304 | 134.35      | -219.20     | 0.00261 |
| 127.28      | -226.27     | 0.00226 | 120.21      | -233.35     | 0.00198 |
| 113.14      | -240.42     | 0.00175 | 106.07      | -247.49     | 0.00155 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*

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20NCRA\_PL97-300\_DPM\_TRAV\_ANN\_SE-NW Bound

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL ( 1 YRS) RESULTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| GROUP ID |      |         |          | AVERAGE CONC | RECEPTOR (XR, YR, ZELEV, ZFLAG) |         |          | OF TYPE | NETWORK GRID-ID |
|----------|------|---------|----------|--------------|---------------------------------|---------|----------|---------|-----------------|
| NCRA_S1  | 1ST  | HIGHEST | VALUE IS | 0.00772      | AT (                            | 169.00, | -156.27, | 0.00,   | 1.20) DC NA     |
|          | 2ND  | HIGHEST | VALUE IS | 0.00770      | AT (                            | 161.93, | -149.20, | 0.00,   | 1.20) DC NA     |
|          | 3RD  | HIGHEST | VALUE IS | 0.00752      | AT (                            | 154.86, | -142.13, | 0.00,   | 1.20) DC NA     |
|          | 4TH  | HIGHEST | VALUE IS | 0.00727      | AT (                            | 147.79, | -135.06, | 0.00,   | 1.20) DC NA     |
|          | 5TH  | HIGHEST | VALUE IS | 0.00702      | AT (                            | 170.41, | -154.86, | 0.00,   | 1.20) DC NA     |
|          | 6TH  | HIGHEST | VALUE IS | 0.00694      | AT (                            | 163.34, | -147.79, | 0.00,   | 1.20) DC NA     |
|          | 7TH  | HIGHEST | VALUE IS | 0.00687      | AT (                            | 140.71, | -127.99, | 0.00,   | 1.20) DC NA     |
|          | 8TH  | HIGHEST | VALUE IS | 0.00675      | AT (                            | 176.07, | -163.34, | 0.00,   | 1.20) DC NA     |
|          | 9TH  | HIGHEST | VALUE IS | 0.00670      | AT (                            | 156.27, | -140.71, | 0.00,   | 1.20) DC NA     |
|          | 10TH | HIGHEST | VALUE IS | 0.00642      | AT (                            | 149.20, | -133.64, | 0.00,   | 1.20) DC NA     |
| NCRA_S2  | 1ST  | HIGHEST | VALUE IS | 0.00772      | AT (                            | 105.36, | -92.63,  | 0.00,   | 1.20) DC NA     |
|          | 2ND  | HIGHEST | VALUE IS | 0.00770      | AT (                            | 98.29,  | -85.56,  | 0.00,   | 1.20) DC NA     |
|          | 3RD  | HIGHEST | VALUE IS | 0.00752      | AT (                            | 91.22,  | -78.49,  | 0.00,   | 1.20) DC NA     |
|          | 4TH  | HIGHEST | VALUE IS | 0.00727      | AT (                            | 84.15,  | -71.42,  | 0.00,   | 1.20) DC NA     |
|          | 5TH  | HIGHEST | VALUE IS | 0.00702      | AT (                            | 106.77, | -91.22,  | 0.00,   | 1.20) DC NA     |
|          | 6TH  | HIGHEST | VALUE IS | 0.00694      | AT (                            | 99.70,  | -84.15,  | 0.00,   | 1.20) DC NA     |
|          | 7TH  | HIGHEST | VALUE IS | 0.00687      | AT (                            | 77.07,  | -64.35,  | 0.00,   | 1.20) DC NA     |
|          | 8TH  | HIGHEST | VALUE IS | 0.00675      | AT (                            | 112.43, | -99.70,  | 0.00,   | 1.20) DC NA     |
|          | 9TH  | HIGHEST | VALUE IS | 0.00670      | AT (                            | 92.63,  | -77.07,  | 0.00,   | 1.20) DC NA     |
|          | 10TH | HIGHEST | VALUE IS | 0.00642      | AT (                            | 85.56,  | -70.00,  | 0.00,   | 1.20) DC NA     |
| NCRA_S3  | 1ST  | HIGHEST | VALUE IS | 0.00772      | AT (                            | 41.72,  | -28.99,  | 0.00,   | 1.20) DC NA     |
|          | 2ND  | HIGHEST | VALUE IS | 0.00770      | AT (                            | 34.65,  | -21.92,  | 0.00,   | 1.20) DC NA     |
|          | 3RD  | HIGHEST | VALUE IS | 0.00752      | AT (                            | 27.58,  | -14.85,  | 0.00,   | 1.20) DC NA     |
|          | 4TH  | HIGHEST | VALUE IS | 0.00727      | AT (                            | 20.51,  | -7.78,   | 0.00,   | 1.20) DC NA     |
|          | 5TH  | HIGHEST | VALUE IS | 0.00702      | AT (                            | 43.13,  | -27.58,  | 0.00,   | 1.20) DC NA     |
|          | 6TH  | HIGHEST | VALUE IS | 0.00694      | AT (                            | 36.06,  | -20.51,  | 0.00,   | 1.20) DC NA     |
|          | 7TH  | HIGHEST | VALUE IS | 0.00687      | AT (                            | 13.44,  | -0.71,   | 0.00,   | 1.20) DC NA     |
|          | 8TH  | HIGHEST | VALUE IS | 0.00675      | AT (                            | 48.79,  | -36.06,  | 0.00,   | 1.20) DC NA     |
|          | 9TH  | HIGHEST | VALUE IS | 0.00670      | AT (                            | 28.99,  | -13.44,  | 0.00,   | 1.20) DC NA     |
|          | 10TH | HIGHEST | VALUE IS | 0.00642      | AT (                            | 21.92,  | -6.36,   | 0.00,   | 1.20) DC NA     |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction

\*\*\*

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\*\*MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL ( 1 YRS) RESULTS \*\*\*

\*\* CONC OF OTHER IN MICROGRAMS/M\*\*3

\*\*

| GROUP ID |      |         |          | AVERAGE CONC | RECEPTOR (XR, YR, ZELEV, ZFLAG) |          |         | OF TYPE | NETWORK GRID-ID |
|----------|------|---------|----------|--------------|---------------------------------|----------|---------|---------|-----------------|
| NCRA_S4  | 1ST  | HIGHEST | VALUE IS | 0.00772      | AT (                            | -21.92,  | 34.65,  | 0.00,   | 1.20) DC NA     |
|          | 2ND  | HIGHEST | VALUE IS | 0.00770      | AT (                            | -28.99,  | 41.72,  | 0.00,   | 1.20) DC NA     |
|          | 3RD  | HIGHEST | VALUE IS | 0.00752      | AT (                            | -36.06,  | 48.79,  | 0.00,   | 1.20) DC NA     |
|          | 4TH  | HIGHEST | VALUE IS | 0.00727      | AT (                            | -43.13,  | 55.86,  | 0.00,   | 1.20) DC NA     |
|          | 5TH  | HIGHEST | VALUE IS | 0.00702      | AT (                            | -20.51,  | 36.06,  | 0.00,   | 1.20) DC NA     |
|          | 6TH  | HIGHEST | VALUE IS | 0.00694      | AT (                            | -27.58,  | 43.13,  | 0.00,   | 1.20) DC NA     |
|          | 7TH  | HIGHEST | VALUE IS | 0.00687      | AT (                            | -50.20,  | 62.93,  | 0.00,   | 1.20) DC NA     |
|          | 8TH  | HIGHEST | VALUE IS | 0.00675      | AT (                            | -14.85,  | 27.58,  | 0.00,   | 1.20) DC NA     |
|          | 9TH  | HIGHEST | VALUE IS | 0.00670      | AT (                            | -34.65,  | 50.20,  | 0.00,   | 1.20) DC NA     |
|          | 10TH | HIGHEST | VALUE IS | 0.00642      | AT (                            | -41.72,  | 57.28,  | 0.00,   | 1.20) DC NA     |
| NCRA_S5  | 1ST  | HIGHEST | VALUE IS | 0.00772      | AT (                            | -85.56,  | 98.29,  | 0.00,   | 1.20) DC NA     |
|          | 2ND  | HIGHEST | VALUE IS | 0.00770      | AT (                            | -92.63,  | 105.36, | 0.00,   | 1.20) DC NA     |
|          | 3RD  | HIGHEST | VALUE IS | 0.00752      | AT (                            | -99.70,  | 112.43, | 0.00,   | 1.20) DC NA     |
|          | 4TH  | HIGHEST | VALUE IS | 0.00727      | AT (                            | -106.77, | 119.50, | 0.00,   | 1.20) DC NA     |
|          | 5TH  | HIGHEST | VALUE IS | 0.00702      | AT (                            | -84.15,  | 99.70,  | 0.00,   | 1.20) DC NA     |
|          | 6TH  | HIGHEST | VALUE IS | 0.00694      | AT (                            | -91.22,  | 106.77, | 0.00,   | 1.20) DC NA     |
|          | 7TH  | HIGHEST | VALUE IS | 0.00687      | AT (                            | -113.84, | 126.57, | 0.00,   | 1.20) DC NA     |
|          | 8TH  | HIGHEST | VALUE IS | 0.00675      | AT (                            | -78.49,  | 91.22,  | 0.00,   | 1.20) DC NA     |



| 20NCRA_PL97-300_DPM_TRAV_ANN_SE-NW Bound |                       |         |      |          |         |       |       |    |    |
|--|-----------------------|---------|------|----------|---------|-------|-------|----|----|
|  | 9TH HIGHEST VALUE IS  | 0.00670 | AT ( | -98.29,  | 113.84, | 0.00, | 1.20) | DC | NA |
|  | 10TH HIGHEST VALUE IS | 0.00642 | AT ( | -105.36, | 120.92, | 0.00, | 1.20) | DC | NA |
| ALL                                      | 1ST HIGHEST VALUE IS  | 0.01222 | AT ( | 77.07,   | -64.35, | 0.00, | 1.20) | DC | NA |
|  | 2ND HIGHEST VALUE IS  | 0.01222 | AT ( | 70.00,   | -57.28, | 0.00, | 1.20) | DC | NA |
|  | 3RD HIGHEST VALUE IS  | 0.01222 | AT ( | 62.93,   | -50.20, | 0.00, | 1.20) | DC | NA |
|  | 4TH HIGHEST VALUE IS  | 0.01221 | AT ( | 84.15,   | -71.42, | 0.00, | 1.20) | DC | NA |
|  | 5TH HIGHEST VALUE IS  | 0.01221 | AT ( | 55.86,   | -43.13, | 0.00, | 1.20) | DC | NA |
|  | 6TH HIGHEST VALUE IS  | 0.01220 | AT ( | 91.22,   | -78.49, | 0.00, | 1.20) | DC | NA |
|  | 7TH HIGHEST VALUE IS  | 0.01220 | AT ( | 48.79,   | -36.06, | 0.00, | 1.20) | DC | NA |
|  | 8TH HIGHEST VALUE IS  | 0.01218 | AT ( | 98.29,   | -85.56, | 0.00, | 1.20) | DC | NA |
|  | 9TH HIGHEST VALUE IS  | 0.01218 | AT ( | 41.72,   | -28.99, | 0.00, | 1.20) | DC | NA |
|  | 10TH HIGHEST VALUE IS | 0.01215 | AT ( | 105.36,  | -92.63, | 0.00, | 1.20) | DC | NA |

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
 GP = GRIDPOLR  
 DC = DISCCART  
 DP = DISCPOLR  
 BD = BOUNDARY

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*

04/20/08

\*\*\* Maximum train overlap at SE/NW Bound Direction \*\*\*

15:49:41

\*\*MODELOPTs:  
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CONC URBAN FLAT FLGPOL DFAULT

\*\*\* Message Summary : ISCST3 Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
 A Total of 0 Warning Message(s)  
 A Total of 5 Informational Message(s)  
 A Total of 5 Calm Hours Identified

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
 \*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
 \*\*\* NONE \*\*\*

\*\*\*\*\*  
 \*\*\* ISCST3 Finishes Successfully \*\*\*  
 \*\*\*\*\*