

ISCST3x VERSION 4.4.3
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Run Began on 4/20/2008 at 18:13:13

** BREEZE ISC GIS Pro v5.1.2 - C:\NCRA\Modeling\DPM Risk\Traveling
Trains\Napa\14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound.dat

** Trinity Consultants

CO STARTING
CO TITLEONE NCRA Cumulative DPM Impacts
CO TITLETWO Maximum train overlap at NE/SW 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 92.28 98.64 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO LOCATION NCRA_S2 AREA 28.64 35.0 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO LOCATION NCRA_S3 AREA -35.0 -28.64 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO LOCATION NCRA_S4 AREA -98.64 -92.28 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO LOCATION NCRA_S5 AREA -162.28 -155.92 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO SRCPARAM NCRA_S1 2.110000E-08 4.953 9 90 45 2.3
SO SRCPARAM NCRA_S2 2.110000E-08 4.953 9 90 45 2.3
SO SRCPARAM NCRA_S3 2.110000E-08 4.953 9 90 45 2.3
SO SRCPARAM NCRA_S4 2.110000E-08 4.953 9 90 45 2.3
SO SRCPARAM NCRA_S5 2.110000E-08 4.953 9 90 45 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 | -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 |
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| 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 |

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| 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 |
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| 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 | -233.35 | -91.92 | 1.2 |
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| 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 |

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|-------------|---------|---------|-----|
| 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 | -226.27 | -84.85 | 1.2 |
| RE DISCCART | -219.2 | -91.92 | 1.2 |
| RE DISCCART | -212.13 | -99.0 | 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 | -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 | -99.0 | 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 |

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| 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 | -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 |

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|-------------|---------|---------|-----|
| 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 | -205.06 | -63.64 | 1.2 |
| RE DISCCART | -197.99 | -70.71 | 1.2 |
| RE DISCCART | -190.92 | -77.78 | 1.2 |
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| 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 | -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 |

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| 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 | -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 |

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|-------------|---------|---------|-----|
| 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 |
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| 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 | -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 |

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| 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 | -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 |

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| 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 | -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 | -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 |

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| 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 | -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 |

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| 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 | -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 |
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| 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 | -134.35 | 7.07 | 1.2 |
| RE DISCCART | -127.28 | 0.0 | 1.2 |
| RE DISCCART | -120.21 | -7.07 | 1.2 |

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| 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 | -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 |

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| 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 | -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 | -113.14 | 28.28 | 1.2 |

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| 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 | -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 |

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| 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 | -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 |

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|-------------|--------|--------|-----|
| RE DISCCART | 42.43 | -98.99 | 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 | -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 |

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|-------------|--------|--------|-----|
| 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 | -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 |

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|-------------|--------|--------|-----|
| 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 | -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 | -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 |

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|-------------|--------|--------|-----|
| 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 | -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 |

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|-------------|--------|--------|-----|
| 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 | -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 | -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 |

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|-------------|--------|--------|-----|
| 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 | -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 -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 -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

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|-------------|--------|--------|-----|
| 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 | -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 |

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|-------------|--------|--------|-----|
| 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 | -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 | 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 |

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|-------------|--------|--------|-----|
| 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 | 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 |

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|-------------|--------|--------|-----|
| 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 | 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 | 21.21 | 162.63 | 1.2 |
| RE DISCCART | 28.28 | 155.56 | 1.2 |
| RE DISCCART | 35.36 | 148.49 | 1.2 |

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|-------------|--------|--------|-----|
| 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 | 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 |

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|-------------|--------|--------|-----|
| 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 | 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 | 42.43 | 183.85 | 1.2 |

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|-------------|--------|--------|-----|
| 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 | 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 |

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|-------------|--------|--------|-----|
| 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 | 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 |

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|-------------|--------|--------|-----|
| RE DISCCART | 197.99 | 56.57 | 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 | 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 |

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|-------------|--------|--------|-----|
| 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 | 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 | 98.99 | 1.2 |

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|-------------|--------|--------|-----|
| 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 | 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 | 98.99 | 1.2 |
| RE DISCCART | 219.2 | 91.92 | 1.2 |
| RE DISCCART | 226.27 | 84.85 | 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 |

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|-------------|--------|--------|-----|
| 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 | 98.99 | 1.2 |
| RE DISCCART | 233.35 | 91.92 | 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 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 FINISHED

ME STARTING

ME INPUTFIL "C:\NCRA\Modeling\Met Data\Napa\NAP003RA.ASC"

ME ANEMHGHT 10 METERS

ME SURFDATA 4901 2000

ME UAIRDATA 4901 2000

ME STARTEND 2000 01 01 1 2000 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\Napa\14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound.lst"

** RAWFILE "C:\NCRA\Modeling\DPM Risk\Traveling Trains\Napa\14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW 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 NE/SW Bound Direction ***

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**MODELOPTs:

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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\NAPA\14NCRA-1.DAT

**Output Print File:

C:\NCRA\MODELING\DPMRIS-1\TRAVEL-1\NAPA\14NCRA-1.LST

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

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**MODELOPTs:

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CONC URBAN FLAT FLGPOL DFAULT

*** AREA SOURCE DATA ***

Table with 11 columns: EMISSION RATE, NUMBER, EMISSION RATE, COORD (SW CORNER), BASE, RELEASE, X-DIM, Y-DIM, ORIENT., INIT. Includes rows for NCRA_S1 through NCRA_S5.

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

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**MODELOPTs:

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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 *** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:

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CONC URBAN FLAT FLGPOL DFAULT

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

- List of discrete Cartesian receptors with coordinates: (-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);

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-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); |
| (-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); |
| (-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); |
| (-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); |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

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**MODELOPTs:
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CONC

URBAN FLAT FLGPOL DFAULT

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

| | |
|------------------------------|------------------------------|
| (-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); |
| (-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); |
| (-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); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-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); |

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

*** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:

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CONC URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-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); |
| (-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); |
| (-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); |
| (-190.9, | -49.5, | 0.0, | 1.2); | (-183.9, | -56.6, | 0.0, | 1.2); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

(-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);

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

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**MODELOPTs:
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CONC

URBAN FLAT FLGPOL DFAULT

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

(-183.9, -42.4, 0.0, 1.2); (-176.8, -49.5, 0.0, 1.2);
(-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);
(-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);

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-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); |
| (-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); |

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

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-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); |
| (-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); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-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); |
| (-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); |

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

*** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|-----------|--------|------|-------|-----------|--------|------|-------|
| (-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); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | |
|-----------------------------|-----------------------------|
| (-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); |
| (-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); |
| (-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); |
| (-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); |

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

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 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

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

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound
(METERS)

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-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); |
| (-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); |
| (-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); |
| (-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); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

(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);

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

18:13:13

**MODELOPTs:

PAGE 11

CONC

URBAN FLAT FLGPOL DFAULT

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

(-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);
(-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);
(-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);
(-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);

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | | | |
|---|--------|--------|------|-------|---|--------|--------|------|-------|
| (| -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); |

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

18:13:13
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | | | |
|---|--------|--------|------|-------|---|--------|--------|------|-------|
| (| -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); |
| (| -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); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW 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); |
| (-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); |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**MODELOPTs:

PAGE 13

CONC URBAN FLAT FLGPOL DFAULT

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

| | |
|---------------------------|---------------------------|
| (-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); |
| (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); |
| (-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); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | |
|---------------------------|---------------------------|
| (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); |
| (-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); |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

18:13:13

**MODELOPTs:

PAGE 14

CONC

URBAN FLAT FLGPOL DFAULT

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

| | |
|----------------------------|---------------------------|
| (-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); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (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); |
| (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); |
| (-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); |
| (-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); |

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

04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**MODELOPTs:
PAGE 15

CONC URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|----------|--------|------|-------|---------|--------|------|-------|
| (-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); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (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); |
| (-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); |
| (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); |
| (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); |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

18:13:13

**MODELOPTs:
PAGE 16
CONC

URBAN FLAT FLGPOL DFAULT

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

| | |
|---------------------------|---------------------------|
| (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); |
| (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); |
| (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); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|----------|-------|------|-------|----------|-------|------|-------|
| (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); |

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

18:13:13
 **MODELOPTs:
 PAGE 17
 CONC

URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (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); |
| (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); |
| (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); |
| (42.4, | 183.9, | 0.0, | 1.2); | (49.5, | 176.8, | 0.0, | 1.2); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (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); |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

18:13:13

**MODELOPTs:

PAGE 18

CONC

URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (49.5, | 190.9, | 0.0, | 1.2); | (56.6, | 183.9, | 0.0, | 1.2); |
| (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); |
| (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); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (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); |
| (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); |

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

18:13:13
 **MODELOPTs:
 PAGE 19

CONC URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (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); |
| (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); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | |
|----------------------------|----------------------------|
| (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); |
| (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); |

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

04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

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

| | |
|----------------------------|----------------------------|
| (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); |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (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); |
| (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); |
| (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); |
| (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); |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

18:13:13

**MODELOPTs:

PAGE 21

CONC

URBAN FLAT FLGPOL DFAULT

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

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

METEOROLOGICAL DATA PROCESSED BETWEEN START DATE: 2000 1 1 1
AND END DATE: 2000 12 31 24

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** WIND PROFILE EXPONENTS ***

| STABILITY CATEGORY | WIND SPEED CATEGORY | | | | | 6 |
|--------------------|---------------------|------------|------------|------------|------------|---|
| | 1 | 2 | 3 | 4 | 5 | |
| A | .15000E+00 | .15000E+00 | .15000E+00 | .15000E+00 | .15000E+00 | |
| B | .15000E+00 | .15000E+00 | .15000E+00 | .15000E+00 | .15000E+00 | |
| C | .20000E+00 | .20000E+00 | .20000E+00 | .20000E+00 | .20000E+00 | |
| D | .25000E+00 | .25000E+00 | .25000E+00 | .25000E+00 | .25000E+00 | |
| E | .30000E+00 | .30000E+00 | .30000E+00 | .30000E+00 | .30000E+00 | |
| F | .30000E+00 | .30000E+00 | .30000E+00 | .30000E+00 | .30000E+00 | |

*** VERTICAL POTENTIAL TEMPERATURE GRADIENTS ***
(DEGREES KELVIN PER METER)

| STABILITY CATEGORY | WIND SPEED CATEGORY | | | | | 6 |
|--------------------|---------------------|------------|------------|------------|------------|---|
| | 1 | 2 | 3 | 4 | 5 | |
| A | .00000E+00 | .00000E+00 | .00000E+00 | .00000E+00 | .00000E+00 | |
| B | .00000E+00 | .00000E+00 | .00000E+00 | .00000E+00 | .00000E+00 | |
| C | .00000E+00 | .00000E+00 | .00000E+00 | .00000E+00 | .00000E+00 | |
| D | .00000E+00 | .00000E+00 | .00000E+00 | .00000E+00 | .00000E+00 | |
| E | .20000E-01 | .20000E-01 | .20000E-01 | .20000E-01 | .20000E-01 | |
| F | .35000E-01 | .35000E-01 | .35000E-01 | .35000E-01 | .35000E-01 | |

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

04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**MODELOPTS:

PAGE 22

CONC

URBAN FLAT FLGPOL DFAULT

*** THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

FILE: C:\NCRA\Modeling\Met Data\Napa\NAP003RA.ASC

FORMAT: (4I2,2F9.4,F6.1,I2,2F7.1,f9.4,f10.1,f8.4,i4,f7.2)

SURFACE STATION NO.: 4901
NAME: UNKNOWN

UPPER AIR STATION NO.: 4901
NAME: UNKNOWN

YEAR: 2000

YEAR: 2000

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW 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) |
|----|----|----|----|-------------|-------------|----------|------------|--------------|------------------|-------------|----------------|---------|--------|---------------|
| 00 | 01 | 01 | 01 | 182.9 | 1.52 | 279.5 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 02 | 210.0 | 1.65 | 278.7 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 03 | 199.7 | 1.34 | 278.8 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 04 | 201.1 | 1.21 | 279.0 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 05 | 189.9 | 1.00 | 278.6 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 06 | 231.5 | 1.65 | 278.9 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 07 | 158.6 | 1.65 | 278.6 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 08 | 205.5 | 1.25 | 277.6 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 09 | 90.3 | 1.00 | 277.8 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 10 | 197.9 | 1.00 | 279.6 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 11 | 151.5 | 1.43 | 281.1 | 3 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 12 | 123.0 | 1.21 | 282.2 | 2 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 13 | 46.8 | 1.70 | 282.9 | 1 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 14 | 28.8 | 2.19 | 284.3 | 1 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 15 | 83.0 | 3.80 | 285.7 | 2 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 16 | 71.2 | 3.08 | 284.9 | 3 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 17 | 93.6 | 3.40 | 284.9 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 18 | 88.3 | 4.16 | 284.3 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 19 | 117.4 | 2.82 | 283.8 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 20 | 123.8 | 1.70 | 283.1 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 21 | 248.8 | 1.30 | 279.9 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 22 | 248.5 | 1.12 | 277.8 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 23 | 253.2 | 1.07 | 276.5 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 00 | 01 | 01 | 24 | 233.2 | 1.43 | 275.8 | 5 | 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 ***

04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -247.49 | -106.07 | 0.00013 | -240.42 | -113.14 | 0.00013 |
| -233.35 | -120.21 | 0.00013 | -226.27 | -127.28 | 0.00013 |
| -219.20 | -134.35 | 0.00013 | -212.13 | -141.42 | 0.00013 |
| -205.06 | -148.49 | 0.00013 | -197.99 | -155.56 | 0.00013 |
| -194.45 | -159.10 | 0.00014 | -190.92 | -162.63 | 0.00014 |
| -188.80 | -164.76 | 0.00014 | -187.38 | -166.17 | 0.00014 |
| -185.97 | -167.58 | 0.00014 | -184.55 | -169.00 | 0.00014 |
| -183.14 | -170.41 | 0.00014 | -170.41 | -183.14 | 0.00014 |
| -169.00 | -184.55 | 0.00014 | -167.58 | -185.97 | 0.00014 |
| -166.17 | -187.38 | 0.00014 | -164.76 | -188.80 | 0.00014 |
| -162.63 | -190.92 | 0.00014 | -159.10 | -194.45 | 0.00014 |
| -155.56 | -197.99 | 0.00014 | -148.49 | -205.06 | 0.00014 |
| -141.42 | -212.13 | 0.00014 | -134.35 | -219.20 | 0.00014 |
| -127.28 | -226.27 | 0.00014 | -120.21 | -233.35 | 0.00014 |
| -113.14 | -240.42 | 0.00014 | -106.07 | -247.49 | 0.00014 |
| -240.42 | -98.99 | 0.00013 | -233.35 | -106.07 | 0.00013 |
| -226.27 | -113.14 | 0.00013 | -219.20 | -120.21 | 0.00014 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -212.13 | -127.28 | 0.00014 | -205.06 | -134.35 | 0.00014 |
| -197.99 | -141.42 | 0.00014 | -190.92 | -148.49 | 0.00014 |
| -187.38 | -152.03 | 0.00014 | -183.85 | -155.56 | 0.00014 |
| -181.73 | -157.68 | 0.00014 | -180.31 | -159.10 | 0.00014 |
| -178.90 | -160.51 | 0.00014 | -177.48 | -161.93 | 0.00014 |
| -176.07 | -163.34 | 0.00014 | -163.34 | -176.07 | 0.00014 |
| -161.93 | -177.48 | 0.00014 | -160.51 | -178.90 | 0.00014 |
| -159.10 | -180.31 | 0.00014 | -157.68 | -181.73 | 0.00014 |
| -155.56 | -183.85 | 0.00014 | -152.03 | -187.38 | 0.00015 |
| -148.49 | -190.92 | 0.00015 | -141.42 | -197.99 | 0.00015 |
| -134.35 | -205.06 | 0.00015 | -127.28 | -212.13 | 0.00015 |
| -120.21 | -219.20 | 0.00015 | -113.14 | -226.27 | 0.00015 |
| -106.07 | -233.35 | 0.00015 | -98.99 | -240.42 | 0.00015 |
| -233.35 | -91.92 | 0.00014 | -226.27 | -99.00 | 0.00014 |
| -219.20 | -106.07 | 0.00014 | -212.13 | -113.14 | 0.00014 |
| -205.06 | -120.21 | 0.00014 | -197.99 | -127.28 | 0.00014 |
| -190.92 | -134.35 | 0.00015 | -183.85 | -141.42 | 0.00015 |
| -180.31 | -144.96 | 0.00015 | -176.78 | -148.49 | 0.00015 |
| -174.66 | -150.61 | 0.00015 | -173.24 | -152.03 | 0.00015 |
| -171.83 | -153.44 | 0.00015 | -170.41 | -154.86 | 0.00015 |
| -169.00 | -156.27 | 0.00015 | -156.27 | -169.00 | 0.00015 |
| -154.86 | -170.41 | 0.00015 | -153.44 | -171.83 | 0.00015 |
| -152.03 | -173.24 | 0.00015 | -150.61 | -174.66 | 0.00015 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -148.49 | -176.78 | 0.00015 | -144.96 | -180.31 | 0.00015 |
| -141.42 | -183.85 | 0.00015 | -134.35 | -190.92 | 0.00015 |
| -127.28 | -197.99 | 0.00015 | -120.21 | -205.06 | 0.00015 |
| -113.14 | -212.13 | 0.00015 | -106.07 | -219.20 | 0.00015 |
| -98.99 | -226.27 | 0.00015 | -91.92 | -233.35 | 0.00015 |
| -226.27 | -84.85 | 0.00014 | -219.20 | -91.92 | 0.00014 |
| -212.13 | -99.00 | 0.00015 | -205.06 | -106.07 | 0.00015 |
| -197.99 | -113.14 | 0.00015 | -190.92 | -120.21 | 0.00015 |
| -183.85 | -127.28 | 0.00015 | -176.78 | -134.35 | 0.00015 |
| -173.24 | -137.89 | 0.00015 | -169.71 | -141.42 | 0.00015 |
| -167.58 | -143.54 | 0.00015 | -166.17 | -144.96 | 0.00015 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -164.76 | -146.37 | 0.00016 | -163.34 | -147.79 | 0.00016 |
| -161.93 | -149.20 | 0.00016 | -149.20 | -161.93 | 0.00016 |
| -147.79 | -163.34 | 0.00016 | -146.37 | -164.76 | 0.00016 |
| -144.96 | -166.17 | 0.00016 | -143.54 | -167.58 | 0.00016 |
| -141.42 | -169.71 | 0.00016 | -137.89 | -173.24 | 0.00016 |
| -134.35 | -176.78 | 0.00016 | -127.28 | -183.85 | 0.00016 |
| -120.21 | -190.92 | 0.00016 | -113.14 | -197.99 | 0.00016 |
| -106.07 | -205.06 | 0.00016 | -98.99 | -212.13 | 0.00016 |
| -91.92 | -219.20 | 0.00016 | -84.85 | -226.27 | 0.00016 |
| -219.20 | -77.78 | 0.00015 | -212.13 | -84.85 | 0.00015 |
| -205.06 | -91.92 | 0.00015 | -197.99 | -99.00 | 0.00015 |
| -190.92 | -106.07 | 0.00016 | -183.85 | -113.14 | 0.00016 |
| -176.78 | -120.21 | 0.00016 | -169.71 | -127.28 | 0.00016 |
| -166.17 | -130.81 | 0.00016 | -162.63 | -134.35 | 0.00016 |
| -160.51 | -136.47 | 0.00016 | -159.10 | -137.89 | 0.00016 |
| -157.68 | -139.30 | 0.00016 | -156.27 | -140.71 | 0.00016 |
| -154.86 | -142.13 | 0.00016 | -142.13 | -154.86 | 0.00016 |
| -140.71 | -156.27 | 0.00016 | -139.30 | -157.68 | 0.00016 |
| -137.89 | -159.10 | 0.00017 | -136.47 | -160.51 | 0.00017 |
| -134.35 | -162.63 | 0.00017 | -130.81 | -166.17 | 0.00017 |
| -127.28 | -169.71 | 0.00017 | -120.21 | -176.78 | 0.00017 |
| -113.14 | -183.85 | 0.00017 | -106.07 | -190.92 | 0.00017 |
| -98.99 | -197.99 | 0.00017 | -91.92 | -205.06 | 0.00017 |
| -84.85 | -212.13 | 0.00017 | -77.78 | -219.20 | 0.00017 |
| -212.13 | -70.71 | 0.00015 | -205.06 | -77.78 | 0.00016 |
| -197.99 | -84.85 | 0.00016 | -190.92 | -91.92 | 0.00016 |
| -183.85 | -98.99 | 0.00016 | -176.78 | -106.07 | 0.00016 |
| -169.71 | -113.14 | 0.00017 | -162.63 | -120.21 | 0.00017 |
| -159.10 | -123.74 | 0.00017 | -155.56 | -127.28 | 0.00017 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -153.44 | -129.40 | 0.00017 | -152.03 | -130.81 | 0.00017 |
| -150.61 | -132.23 | 0.00017 | -149.20 | -133.64 | 0.00017 |
| -147.79 | -135.06 | 0.00017 | -135.06 | -147.79 | 0.00017 |
| -133.64 | -149.20 | 0.00017 | -132.23 | -150.61 | 0.00017 |
| -130.81 | -152.03 | 0.00017 | -129.40 | -153.44 | 0.00017 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -127.28 | -155.56 | 0.00017 | -123.74 | -159.10 | 0.00017 |
| -120.21 | -162.63 | 0.00017 | -113.14 | -169.71 | 0.00018 |
| -106.07 | -176.78 | 0.00018 | -98.99 | -183.85 | 0.00018 |
| -91.92 | -190.92 | 0.00018 | -84.85 | -197.99 | 0.00018 |
| -77.78 | -205.06 | 0.00018 | -70.71 | -212.13 | 0.00018 |
| -205.06 | -63.64 | 0.00016 | -197.99 | -70.71 | 0.00016 |
| -190.92 | -77.78 | 0.00017 | -183.85 | -84.85 | 0.00017 |
| -176.78 | -91.92 | 0.00017 | -169.71 | -98.99 | 0.00017 |
| -162.63 | -106.07 | 0.00017 | -155.56 | -113.14 | 0.00018 |
| -152.03 | -116.67 | 0.00018 | -148.49 | -120.21 | 0.00018 |
| -146.37 | -122.33 | 0.00018 | -144.96 | -123.74 | 0.00018 |
| -143.54 | -125.16 | 0.00018 | -142.13 | -126.57 | 0.00018 |
| -140.71 | -127.99 | 0.00018 | -127.99 | -140.71 | 0.00018 |
| -126.57 | -142.13 | 0.00018 | -125.16 | -143.54 | 0.00018 |
| -123.74 | -144.96 | 0.00018 | -122.33 | -146.37 | 0.00018 |
| -120.21 | -148.49 | 0.00018 | -116.67 | -152.03 | 0.00018 |
| -113.14 | -155.56 | 0.00018 | -106.07 | -162.63 | 0.00018 |
| -98.99 | -169.71 | 0.00018 | -91.92 | -176.78 | 0.00018 |
| -84.85 | -183.85 | 0.00019 | -77.78 | -190.92 | 0.00019 |
| -70.71 | -197.99 | 0.00019 | -63.64 | -205.06 | 0.00019 |
| -197.99 | -56.57 | 0.00017 | -190.92 | -63.64 | 0.00017 |
| -183.85 | -70.71 | 0.00017 | -176.78 | -77.78 | 0.00018 |
| -169.71 | -84.85 | 0.00018 | -162.63 | -91.92 | 0.00018 |
| -155.56 | -98.99 | 0.00018 | -148.49 | -106.07 | 0.00019 |
| -144.96 | -109.60 | 0.00019 | -141.42 | -113.14 | 0.00019 |
| -139.30 | -115.26 | 0.00019 | -137.89 | -116.67 | 0.00019 |
| -136.47 | -118.09 | 0.00019 | -135.06 | -119.50 | 0.00019 |
| -133.64 | -120.92 | 0.00019 | -120.92 | -133.64 | 0.00019 |
| -119.50 | -135.06 | 0.00019 | -118.09 | -136.47 | 0.00019 |
| -116.67 | -137.89 | 0.00019 | -115.26 | -139.30 | 0.00019 |
| -113.14 | -141.42 | 0.00019 | -109.60 | -144.96 | 0.00019 |
| -106.07 | -148.49 | 0.00019 | -98.99 | -155.56 | 0.00019 |
| -91.92 | -162.63 | 0.00019 | -84.85 | -169.71 | 0.00019 |
| -77.78 | -176.78 | 0.00019 | -70.71 | -183.85 | 0.00019 |
| -63.64 | -190.92 | 0.00020 | -56.57 | -197.99 | 0.00020 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***
 18:13:13
 **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 **

| | | 14NCRA NAPA00-300_DPM_TRAV_ANN_NE-SW Bound | | | |
|-------------|-------------|--|-------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| -190.92 | -49.50 | 0.00017 | -183.85 | -56.57 | 0.00018 |
| -176.78 | -63.64 | 0.00018 | -169.71 | -70.71 | 0.00019 |
| -162.63 | -77.78 | 0.00019 | -155.56 | -84.85 | 0.00019 |
| -148.49 | -91.92 | 0.00019 | -141.42 | -98.99 | 0.00019 |
| -137.89 | -102.53 | 0.00020 | -134.35 | -106.07 | 0.00020 |
| -132.23 | -108.19 | 0.00020 | -130.81 | -109.60 | 0.00020 |
| -129.40 | -111.02 | 0.00020 | -127.99 | -112.43 | 0.00020 |
| -126.57 | -113.84 | 0.00020 | -113.84 | -126.57 | 0.00020 |
| -112.43 | -127.99 | 0.00020 | -111.02 | -129.40 | 0.00020 |
| -109.60 | -130.81 | 0.00020 | -108.19 | -132.23 | 0.00020 |
| -106.07 | -134.35 | 0.00020 | -102.53 | -137.89 | 0.00020 |
| -98.99 | -141.42 | 0.00020 | -91.92 | -148.49 | 0.00020 |
| -84.85 | -155.56 | 0.00020 | -77.78 | -162.63 | 0.00020 |
| -70.71 | -169.71 | 0.00020 | -63.64 | -176.78 | 0.00021 |
| -56.57 | -183.85 | 0.00021 | -49.50 | -190.92 | 0.00021 |
| -183.85 | -42.43 | 0.00018 | -176.78 | -49.50 | 0.00019 |
| -169.71 | -56.57 | 0.00019 | -162.63 | -63.64 | 0.00019 |
| -155.56 | -70.71 | 0.00020 | -148.49 | -77.78 | 0.00020 |
| -141.42 | -84.85 | 0.00020 | -134.35 | -91.92 | 0.00021 |
| -130.81 | -95.46 | 0.00021 | -127.28 | -98.99 | 0.00021 |
| -125.16 | -101.12 | 0.00021 | -123.74 | -102.53 | 0.00021 |
| -122.33 | -103.94 | 0.00021 | -120.92 | -105.36 | 0.00021 |
| -119.50 | -106.77 | 0.00021 | -106.77 | -119.50 | 0.00021 |
| -105.36 | -120.92 | 0.00021 | -103.94 | -122.33 | 0.00021 |
| -102.53 | -123.74 | 0.00021 | -101.12 | -125.16 | 0.00021 |
| -98.99 | -127.28 | 0.00021 | -95.46 | -130.81 | 0.00021 |
| -91.92 | -134.35 | 0.00021 | -84.85 | -141.42 | 0.00021 |
| -77.78 | -148.49 | 0.00022 | -70.71 | -155.56 | 0.00022 |
| -63.64 | -162.63 | 0.00022 | -56.57 | -169.71 | 0.00022 |
| -49.50 | -176.78 | 0.00022 | -42.43 | -183.85 | 0.00022 |
| -176.78 | -35.36 | 0.00019 | -169.71 | -42.43 | 0.00020 |
| -162.63 | -49.50 | 0.00020 | -155.56 | -56.57 | 0.00020 |
| -148.49 | -63.64 | 0.00021 | -141.42 | -70.71 | 0.00021 |
| -134.35 | -77.78 | 0.00021 | -127.28 | -84.85 | 0.00022 |
| -123.74 | -88.39 | 0.00022 | -120.21 | -91.92 | 0.00022 |
| -118.09 | -94.05 | 0.00022 | -116.67 | -95.46 | 0.00022 |
| -115.26 | -96.87 | 0.00022 | -113.84 | -98.29 | 0.00022 |
| -112.43 | -99.70 | 0.00022 | -99.70 | -112.43 | 0.00022 |
| -98.29 | -113.84 | 0.00022 | -96.87 | -115.26 | 0.00022 |
| -95.46 | -116.67 | 0.00022 | -94.05 | -118.09 | 0.00022 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

18:13:13

**MODELOPTS:

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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -91.92 | -120.21 | 0.00022 | -88.39 | -123.74 | 0.00023 |
| -84.85 | -127.28 | 0.00023 | -77.78 | -134.35 | 0.00023 |
| -70.71 | -141.42 | 0.00023 | -63.64 | -148.49 | 0.00023 |
| -56.57 | -155.56 | 0.00023 | -49.50 | -162.63 | 0.00023 |
| -42.43 | -169.71 | 0.00023 | -35.36 | -176.78 | 0.00023 |
| -169.71 | -28.28 | 0.00020 | -162.63 | -35.36 | 0.00021 |
| -155.56 | -42.43 | 0.00021 | -148.49 | -49.50 | 0.00022 |
| -141.42 | -56.57 | 0.00022 | -134.35 | -63.64 | 0.00022 |
| -127.28 | -70.71 | 0.00023 | -120.21 | -77.78 | 0.00023 |
| -116.67 | -81.32 | 0.00023 | -113.14 | -84.85 | 0.00023 |
| -111.02 | -86.97 | 0.00023 | -109.60 | -88.39 | 0.00023 |
| -108.19 | -89.80 | 0.00023 | -106.77 | -91.22 | 0.00023 |
| -105.36 | -92.63 | 0.00023 | -92.63 | -105.36 | 0.00024 |
| -91.22 | -106.77 | 0.00024 | -89.80 | -108.19 | 0.00024 |
| -88.39 | -109.60 | 0.00024 | -86.97 | -111.02 | 0.00024 |
| -84.85 | -113.14 | 0.00024 | -81.32 | -116.67 | 0.00024 |
| -77.78 | -120.21 | 0.00024 | -70.71 | -127.28 | 0.00024 |
| -63.64 | -134.35 | 0.00024 | -56.57 | -141.42 | 0.00024 |
| -49.50 | -148.49 | 0.00024 | -42.43 | -155.56 | 0.00024 |
| -35.36 | -162.63 | 0.00024 | -28.28 | -169.71 | 0.00024 |
| -162.63 | -21.21 | 0.00021 | -155.56 | -28.28 | 0.00022 |
| -148.49 | -35.36 | 0.00022 | -141.42 | -42.43 | 0.00023 |
| -134.35 | -49.50 | 0.00023 | -127.28 | -56.57 | 0.00024 |
| -120.21 | -63.64 | 0.00024 | -113.14 | -70.71 | 0.00024 |
| -109.60 | -74.25 | 0.00024 | -106.07 | -77.78 | 0.00024 |
| -103.94 | -79.90 | 0.00025 | -102.53 | -81.32 | 0.00025 |
| -101.12 | -82.73 | 0.00025 | -99.70 | -84.15 | 0.00025 |
| -98.29 | -85.56 | 0.00025 | -85.56 | -98.29 | 0.00025 |
| -84.15 | -99.70 | 0.00025 | -82.73 | -101.12 | 0.00025 |
| -81.32 | -102.53 | 0.00025 | -79.90 | -103.94 | 0.00025 |
| -77.78 | -106.07 | 0.00025 | -74.25 | -109.60 | 0.00025 |
| -70.71 | -113.14 | 0.00025 | -63.64 | -120.21 | 0.00025 |
| -56.57 | -127.28 | 0.00026 | -49.50 | -134.35 | 0.00026 |
| -42.43 | -141.42 | 0.00026 | -35.36 | -148.49 | 0.00026 |
| -28.28 | -155.56 | 0.00026 | -21.21 | -162.63 | 0.00026 |
| -155.56 | -14.14 | 0.00022 | -148.49 | -21.21 | 0.00023 |
| -141.42 | -28.28 | 0.00023 | -134.35 | -35.36 | 0.00024 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|--------|---------|---------|--------|---------|
| -127.28 | -42.43 | 0.00025 | -120.21 | -49.50 | 0.00025 |
| -113.14 | -56.57 | 0.00025 | -106.07 | -63.64 | 0.00026 |
| -102.53 | -67.18 | 0.00026 | -98.99 | -70.71 | 0.00026 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 | 0.00026 | -95.46 | -74.25 | 0.00026 |
| -94.05 | -75.66 | 0.00026 | -92.63 | -77.07 | 0.00026 |
| -91.22 | -78.49 | 0.00026 | -78.49 | -91.22 | 0.00027 |
| -77.07 | -92.63 | 0.00027 | -75.66 | -94.05 | 0.00027 |
| -74.25 | -95.46 | 0.00027 | -72.83 | -96.87 | 0.00027 |
| -70.71 | -98.99 | 0.00027 | -67.18 | -102.53 | 0.00027 |
| -63.64 | -106.07 | 0.00027 | -56.57 | -113.14 | 0.00027 |
| -49.50 | -120.21 | 0.00027 | -42.43 | -127.28 | 0.00027 |
| -35.36 | -134.35 | 0.00027 | -28.28 | -141.42 | 0.00027 |
| -21.21 | -148.49 | 0.00027 | -14.14 | -155.56 | 0.00027 |
| -148.49 | -7.07 | 0.00023 | -141.42 | -14.14 | 0.00024 |
| -134.35 | -21.21 | 0.00025 | -127.28 | -28.28 | 0.00025 |
| -120.21 | -35.36 | 0.00026 | -113.14 | -42.43 | 0.00026 |
| -106.07 | -49.50 | 0.00027 | -98.99 | -56.57 | 0.00027 |
| -95.46 | -60.10 | 0.00027 | -91.92 | -63.64 | 0.00028 |
| -89.80 | -65.76 | 0.00028 | -88.39 | -67.18 | 0.00028 |
| -86.97 | -68.59 | 0.00028 | -85.56 | -70.00 | 0.00028 |
| -84.15 | -71.42 | 0.00028 | -71.42 | -84.15 | 0.00028 |
| -70.00 | -85.56 | 0.00028 | -68.59 | -86.97 | 0.00028 |
| -67.18 | -88.39 | 0.00028 | -65.76 | -89.80 | 0.00028 |
| -63.64 | -91.92 | 0.00029 | -60.10 | -95.46 | 0.00029 |
| -56.57 | -98.99 | 0.00029 | -49.50 | -106.07 | 0.00029 |
| -42.43 | -113.14 | 0.00029 | -35.36 | -120.21 | 0.00029 |
| -28.28 | -127.28 | 0.00029 | -21.21 | -134.35 | 0.00029 |
| -14.14 | -141.42 | 0.00029 | -7.07 | -148.49 | 0.00029 |
| -141.42 | 0.00 | 0.00024 | -134.35 | -7.07 | 0.00025 |
| -127.28 | -14.14 | 0.00026 | -120.21 | -21.21 | 0.00027 |
| -113.14 | -28.28 | 0.00028 | -106.07 | -35.36 | 0.00028 |
| -98.99 | -42.43 | 0.00029 | -91.92 | -49.50 | 0.00029 |
| -88.39 | -53.03 | 0.00029 | -84.85 | -56.57 | 0.00029 |
| -82.73 | -58.69 | 0.00030 | -81.32 | -60.10 | 0.00030 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|---------|---------|--------|---------|---------|
| -79.90 | -61.52 | 0.00030 | -78.49 | -62.93 | 0.00030 |
| -77.07 | -64.35 | 0.00030 | -64.35 | -77.07 | 0.00030 |
| -62.93 | -78.49 | 0.00030 | -61.52 | -79.90 | 0.00030 |
| -60.10 | -81.32 | 0.00030 | -58.69 | -82.73 | 0.00030 |
| -56.57 | -84.85 | 0.00030 | -53.03 | -88.39 | 0.00031 |
| -49.50 | -91.92 | 0.00031 | -42.43 | -98.99 | 0.00031 |
| -35.36 | -106.07 | 0.00031 | -28.28 | -113.14 | 0.00031 |
| -21.21 | -120.21 | 0.00031 | -14.14 | -127.28 | 0.00031 |
| -7.07 | -134.35 | 0.00031 | 0.00 | -141.42 | 0.00030 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
| -134.35 | 7.07 | 0.00025 | -127.28 | 0.00 | 0.00027 |
| -120.21 | -7.07 | 0.00028 | -113.14 | -14.14 | 0.00029 |
| -106.07 | -21.21 | 0.00029 | -98.99 | -28.28 | 0.00030 |
| -91.92 | -35.36 | 0.00031 | -84.85 | -42.43 | 0.00031 |
| -81.32 | -45.96 | 0.00031 | -77.78 | -49.50 | 0.00031 |
| -75.66 | -51.62 | 0.00032 | -74.25 | -53.03 | 0.00032 |
| -72.83 | -54.45 | 0.00032 | -71.42 | -55.86 | 0.00032 |
| -70.00 | -57.28 | 0.00032 | -57.28 | -70.00 | 0.00032 |
| -55.86 | -71.42 | 0.00032 | -54.45 | -72.83 | 0.00032 |
| -53.03 | -74.25 | 0.00032 | -51.62 | -75.66 | 0.00033 |
| -49.50 | -77.78 | 0.00033 | -45.96 | -81.32 | 0.00033 |
| -42.43 | -84.85 | 0.00033 | -35.36 | -91.92 | 0.00033 |
| -28.28 | -98.99 | 0.00033 | -21.21 | -106.07 | 0.00033 |
| -14.14 | -113.14 | 0.00033 | -7.07 | -120.21 | 0.00033 |
| 0.00 | -127.28 | 0.00033 | 7.07 | -134.35 | 0.00032 |
| -127.28 | 14.14 | 0.00027 | -120.21 | 7.07 | 0.00028 |
| -113.14 | 0.00 | 0.00029 | -106.07 | -7.07 | 0.00030 |
| -98.99 | -14.14 | 0.00031 | -91.92 | -21.21 | 0.00032 |
| -84.85 | -28.28 | 0.00033 | -77.78 | -35.36 | 0.00033 |
| -74.25 | -38.89 | 0.00033 | -70.71 | -42.43 | 0.00034 |
| -68.59 | -44.55 | 0.00034 | -67.18 | -45.96 | 0.00034 |
| -65.76 | -47.38 | 0.00034 | -64.35 | -48.79 | 0.00034 |
| -62.93 | -50.20 | 0.00034 | -50.20 | -62.93 | 0.00035 |
| -48.79 | -64.35 | 0.00035 | -47.38 | -65.76 | 0.00035 |
| -45.96 | -67.18 | 0.00035 | -44.55 | -68.59 | 0.00035 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -42.43 | -70.71 | 0.00035 | -38.89 | -74.25 | 0.00035 |
| -35.36 | -77.78 | 0.00035 | -28.28 | -84.85 | 0.00035 |
| -21.21 | -91.92 | 0.00035 | -14.14 | -98.99 | 0.00035 |
| -7.07 | -106.07 | 0.00035 | 0.00 | -113.14 | 0.00035 |
| 7.07 | -120.21 | 0.00035 | 14.14 | -127.28 | 0.00034 |
| -120.21 | 21.21 | 0.00028 | -113.14 | 14.14 | 0.00030 |
| -106.07 | 7.07 | 0.00031 | -98.99 | 0.00 | 0.00032 |
| -91.92 | -7.07 | 0.00033 | -84.85 | -14.14 | 0.00034 |
| -77.78 | -21.21 | 0.00035 | -70.71 | -28.28 | 0.00036 |
| -67.18 | -31.82 | 0.00036 | -63.64 | -35.36 | 0.00036 |
| -61.52 | -37.48 | 0.00036 | -60.10 | -38.89 | 0.00036 |
| -58.69 | -40.31 | 0.00036 | -57.28 | -41.72 | 0.00037 |
| -55.86 | -43.13 | 0.00037 | -43.13 | -55.86 | 0.00037 |
| -41.72 | -57.28 | 0.00037 | -40.31 | -58.69 | 0.00037 |
| -38.89 | -60.10 | 0.00037 | -37.48 | -61.52 | 0.00037 |

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

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -35.36 | -63.64 | 0.00038 | -31.82 | -67.18 | 0.00038 |
| -28.28 | -70.71 | 0.00038 | -21.21 | -77.78 | 0.00038 |
| -14.14 | -84.85 | 0.00038 | -7.07 | -91.92 | 0.00038 |
| 0.00 | -98.99 | 0.00038 | 7.07 | -106.07 | 0.00038 |
| 14.14 | -113.14 | 0.00037 | 21.21 | -120.21 | 0.00037 |
| -113.14 | 28.28 | 0.00029 | -106.07 | 21.21 | 0.00031 |
| -98.99 | 14.14 | 0.00033 | -91.92 | 7.07 | 0.00034 |
| -84.85 | 0.00 | 0.00036 | -77.78 | -7.07 | 0.00037 |
| -70.71 | -14.14 | 0.00038 | -63.64 | -21.21 | 0.00038 |
| -60.10 | -24.75 | 0.00039 | -56.57 | -28.28 | 0.00039 |
| -54.45 | -30.41 | 0.00039 | -53.03 | -31.82 | 0.00039 |
| -51.62 | -33.23 | 0.00039 | -50.20 | -34.65 | 0.00039 |
| -48.79 | -36.06 | 0.00039 | -36.06 | -48.79 | 0.00040 |
| -34.65 | -50.20 | 0.00040 | -33.23 | -51.62 | 0.00040 |
| -31.82 | -53.03 | 0.00040 | -30.41 | -54.45 | 0.00040 |
| -28.28 | -56.57 | 0.00041 | -24.75 | -60.10 | 0.00041 |
| -21.21 | -63.64 | 0.00041 | -14.14 | -70.71 | 0.00041 |
| -7.07 | -77.78 | 0.00041 | 0.00 | -84.85 | 0.00041 |
| 7.07 | -91.92 | 0.00041 | 14.14 | -98.99 | 0.00041 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|--------|---------|---------|
| 21.21 | -106.07 | 0.00040 | 28.28 | -113.14 | 0.00039 |
| -106.07 | 35.36 | 0.00030 | -98.99 | 28.28 | 0.00033 |
| -91.92 | 21.21 | 0.00035 | -84.85 | 14.14 | 0.00037 |
| -77.78 | 7.07 | 0.00038 | -70.71 | 0.00 | 0.00039 |
| -63.64 | -7.07 | 0.00040 | -56.57 | -14.14 | 0.00041 |
| -53.03 | -17.68 | 0.00042 | -49.50 | -21.21 | 0.00042 |
| -47.38 | -23.33 | 0.00042 | -45.96 | -24.75 | 0.00042 |
| -44.55 | -26.16 | 0.00042 | -43.13 | -27.58 | 0.00043 |
| -41.72 | -28.99 | 0.00043 | -28.99 | -41.72 | 0.00043 |
| -27.58 | -43.13 | 0.00044 | -26.16 | -44.55 | 0.00044 |
| -24.75 | -45.96 | 0.00044 | -23.33 | -47.38 | 0.00044 |
| -21.21 | -49.50 | 0.00044 | -17.68 | -53.03 | 0.00044 |
| -14.14 | -56.57 | 0.00044 | -7.07 | -63.64 | 0.00044 |
| 0.00 | -70.71 | 0.00044 | 7.07 | -77.78 | 0.00044 |
| 14.14 | -84.85 | 0.00044 | 21.21 | -91.92 | 0.00044 |
| 28.28 | -98.99 | 0.00043 | 35.36 | -106.07 | 0.00041 |
| -98.99 | 42.43 | 0.00032 | -91.92 | 35.36 | 0.00034 |
| -84.85 | 28.28 | 0.00037 | -77.78 | 21.21 | 0.00039 |
| -70.71 | 14.14 | 0.00041 | -63.64 | 7.07 | 0.00043 |
| -56.57 | 0.00 | 0.00044 | -49.50 | -7.07 | 0.00045 |
| -45.96 | -10.61 | 0.00045 | -42.43 | -14.14 | 0.00046 |

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

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -40.31 | -16.26 | 0.00046 | -38.89 | -17.68 | 0.00046 |
| -37.48 | -19.09 | 0.00046 | -36.06 | -20.51 | 0.00046 |
| -34.65 | -21.92 | 0.00046 | -21.92 | -34.65 | 0.00047 |
| -20.51 | -36.06 | 0.00047 | -19.09 | -37.48 | 0.00047 |
| -17.68 | -38.89 | 0.00047 | -16.26 | -40.31 | 0.00048 |
| -14.14 | -42.43 | 0.00048 | -10.61 | -45.96 | 0.00048 |
| -7.07 | -49.50 | 0.00048 | 0.00 | -56.57 | 0.00048 |
| 7.07 | -63.64 | 0.00048 | 14.14 | -70.71 | 0.00048 |
| 21.21 | -77.78 | 0.00048 | 28.28 | -84.85 | 0.00047 |
| 35.36 | -91.92 | 0.00046 | 42.43 | -98.99 | 0.00044 |
| -91.92 | 49.50 | 0.00033 | -84.85 | 42.43 | 0.00036 |
| -77.78 | 35.36 | 0.00039 | -70.71 | 28.28 | 0.00042 |
| -63.64 | 21.21 | 0.00044 | -56.57 | 14.14 | 0.00046 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -49.50 | 7.07 | 0.00047 | -42.43 | 0.00 | 0.00049 |
| -38.89 | -3.54 | 0.00049 | -35.36 | -7.07 | 0.00050 |
| -33.23 | -9.19 | 0.00050 | -31.82 | -10.61 | 0.00050 |
| -30.41 | -12.02 | 0.00050 | -28.99 | -13.44 | 0.00050 |
| -27.58 | -14.85 | 0.00050 | -14.85 | -27.58 | 0.00051 |
| -13.44 | -28.99 | 0.00052 | -12.02 | -30.41 | 0.00052 |
| -10.61 | -31.82 | 0.00052 | -9.19 | -33.23 | 0.00052 |
| -7.07 | -35.36 | 0.00052 | -3.54 | -38.89 | 0.00052 |
| 0.00 | -42.43 | 0.00052 | 7.07 | -49.50 | 0.00052 |
| 14.14 | -56.57 | 0.00053 | 21.21 | -63.64 | 0.00052 |
| 28.28 | -70.71 | 0.00052 | 35.36 | -77.78 | 0.00051 |
| 42.43 | -84.85 | 0.00049 | 49.50 | -91.92 | 0.00047 |
| -84.85 | 56.57 | 0.00035 | -77.78 | 49.50 | 0.00038 |
| -70.71 | 42.43 | 0.00042 | -63.64 | 35.36 | 0.00045 |
| -56.57 | 28.28 | 0.00048 | -49.50 | 21.21 | 0.00050 |
| -42.43 | 14.14 | 0.00052 | -35.36 | 7.07 | 0.00053 |
| -31.82 | 3.54 | 0.00054 | -28.28 | 0.00 | 0.00054 |
| -26.16 | -2.12 | 0.00054 | -24.75 | -3.54 | 0.00055 |
| -23.33 | -4.95 | 0.00055 | -21.92 | -6.36 | 0.00055 |
| -20.51 | -7.78 | 0.00055 | -7.78 | -20.51 | 0.00056 |
| -6.36 | -21.92 | 0.00056 | -4.95 | -23.33 | 0.00057 |
| -3.54 | -24.75 | 0.00057 | -2.12 | -26.16 | 0.00057 |
| 0.00 | -28.28 | 0.00057 | 3.54 | -31.82 | 0.00057 |
| 7.07 | -35.36 | 0.00057 | 14.14 | -42.43 | 0.00057 |
| 21.21 | -49.50 | 0.00058 | 28.28 | -56.57 | 0.00057 |
| 35.36 | -63.64 | 0.00056 | 42.43 | -70.71 | 0.00055 |
| 49.50 | -77.78 | 0.00052 | 56.57 | -84.85 | 0.00049 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -77.78 | 63.64 | 0.00036 | -70.71 | 56.57 | 0.00040 |
| -63.64 | 49.50 | 0.00044 | -56.57 | 42.43 | 0.00048 |
| -49.50 | 35.36 | 0.00051 | -42.43 | 28.28 | 0.00054 |
| -35.36 | 21.21 | 0.00056 | -28.28 | 14.14 | 0.00058 |
| -24.75 | 10.61 | 0.00059 | -21.21 | 7.07 | 0.00059 |
| -19.09 | 4.95 | 0.00060 | -17.68 | 3.54 | 0.00060 |
| -16.26 | 2.12 | 0.00060 | -14.85 | 0.71 | 0.00060 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -13.44 | -0.71 | 0.00061 | -0.71 | -13.44 | 0.00062 |
| 0.71 | -14.85 | 0.00062 | 2.12 | -16.26 | 0.00062 |
| 3.54 | -17.68 | 0.00062 | 4.95 | -19.09 | 0.00062 |
| 7.07 | -21.21 | 0.00063 | 10.61 | -24.75 | 0.00063 |
| 14.14 | -28.28 | 0.00063 | 21.21 | -35.36 | 0.00063 |
| 28.28 | -42.43 | 0.00063 | 35.36 | -49.50 | 0.00063 |
| 42.43 | -56.57 | 0.00061 | 49.50 | -63.64 | 0.00059 |
| 56.57 | -70.71 | 0.00056 | 63.64 | -77.78 | 0.00052 |
| -70.71 | 70.71 | 0.00038 | -63.64 | 63.64 | 0.00042 |
| -56.57 | 56.57 | 0.00046 | -49.50 | 49.50 | 0.00051 |
| -42.43 | 42.43 | 0.00055 | -35.36 | 35.36 | 0.00059 |
| -28.28 | 28.28 | 0.00062 | -21.21 | 21.21 | 0.00064 |
| -17.68 | 17.68 | 0.00065 | -14.14 | 14.14 | 0.00065 |
| -12.02 | 12.02 | 0.00066 | -10.61 | 10.61 | 0.00066 |
| -9.19 | 9.19 | 0.00066 | -7.78 | 7.78 | 0.00067 |
| -6.36 | 6.36 | 0.00067 | 6.36 | -6.36 | 0.00069 |
| 7.78 | -7.78 | 0.00069 | 9.19 | -9.19 | 0.00069 |
| 10.61 | -10.61 | 0.00069 | 12.02 | -12.02 | 0.00069 |
| 14.14 | -14.14 | 0.00069 | 17.68 | -17.68 | 0.00069 |
| 21.21 | -21.21 | 0.00070 | 28.28 | -28.28 | 0.00070 |
| 35.36 | -35.36 | 0.00070 | 42.43 | -42.43 | 0.00069 |
| 49.50 | -49.50 | 0.00067 | 56.57 | -56.57 | 0.00064 |
| 63.64 | -63.64 | 0.00060 | 70.71 | -70.71 | 0.00055 |
| -63.64 | 77.78 | 0.00039 | -56.57 | 70.71 | 0.00044 |
| -49.50 | 63.64 | 0.00049 | -42.43 | 56.57 | 0.00054 |
| -35.36 | 49.50 | 0.00060 | -28.28 | 42.43 | 0.00064 |
| -21.21 | 35.36 | 0.00068 | -14.14 | 28.28 | 0.00070 |
| -10.61 | 24.75 | 0.00072 | -7.07 | 21.21 | 0.00072 |
| -4.95 | 19.09 | 0.00073 | -3.54 | 17.68 | 0.00073 |
| -2.12 | 16.26 | 0.00074 | -0.71 | 14.85 | 0.00074 |
| 0.71 | 13.44 | 0.00074 | 13.44 | 0.71 | 0.00076 |
| 14.85 | -0.71 | 0.00076 | 16.26 | -2.12 | 0.00077 |
| 17.68 | -3.54 | 0.00077 | 19.09 | -4.95 | 0.00077 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 21.21 | -7.07 | 0.00077 | 24.75 | -10.61 | 0.00077 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 28.28 | -14.14 | 0.00077 | 35.36 | -21.21 | 0.00078 |
| 42.43 | -28.28 | 0.00077 | 49.50 | -35.36 | 0.00076 |
| 56.57 | -42.43 | 0.00073 | 63.64 | -49.50 | 0.00068 |
| 70.71 | -56.57 | 0.00063 | 77.78 | -63.64 | 0.00058 |
| -56.57 | 84.85 | 0.00041 | -49.50 | 77.78 | 0.00046 |
| -42.43 | 70.71 | 0.00051 | -35.36 | 63.64 | 0.00058 |
| -28.28 | 56.57 | 0.00064 | -21.21 | 49.50 | 0.00070 |
| -14.14 | 42.43 | 0.00075 | -7.07 | 35.36 | 0.00078 |
| -3.54 | 31.82 | 0.00079 | 0.00 | 28.28 | 0.00081 |
| 2.12 | 26.16 | 0.00081 | 3.54 | 24.75 | 0.00082 |
| 4.95 | 23.33 | 0.00082 | 6.36 | 21.92 | 0.00082 |
| 7.78 | 20.51 | 0.00083 | 20.51 | 7.78 | 0.00085 |
| 21.92 | 6.36 | 0.00085 | 23.33 | 4.95 | 0.00086 |
| 24.75 | 3.54 | 0.00086 | 26.16 | 2.12 | 0.00086 |
| 28.28 | 0.00 | 0.00086 | 31.82 | -3.54 | 0.00086 |
| 35.36 | -7.07 | 0.00087 | 42.43 | -14.14 | 0.00087 |
| 49.50 | -21.21 | 0.00086 | 56.57 | -28.28 | 0.00083 |
| 63.64 | -35.36 | 0.00079 | 70.71 | -42.43 | 0.00073 |
| 77.78 | -49.50 | 0.00067 | 84.85 | -56.57 | 0.00061 |
| -49.50 | 91.92 | 0.00042 | -42.43 | 84.85 | 0.00048 |
| -35.36 | 77.78 | 0.00054 | -28.28 | 70.71 | 0.00061 |
| -21.21 | 63.64 | 0.00069 | -14.14 | 56.57 | 0.00076 |
| -7.07 | 49.50 | 0.00083 | 0.00 | 42.43 | 0.00087 |
| 3.54 | 38.89 | 0.00089 | 7.07 | 35.36 | 0.00090 |
| 9.19 | 33.23 | 0.00091 | 10.61 | 31.82 | 0.00092 |
| 12.02 | 30.41 | 0.00092 | 13.44 | 28.99 | 0.00093 |
| 14.85 | 27.58 | 0.00093 | 27.58 | 14.85 | 0.00096 |
| 28.99 | 13.44 | 0.00096 | 30.41 | 12.02 | 0.00096 |
| 31.82 | 10.61 | 0.00097 | 33.23 | 9.19 | 0.00097 |
| 35.36 | 7.07 | 0.00097 | 38.89 | 3.54 | 0.00097 |
| 42.43 | 0.00 | 0.00098 | 49.50 | -7.07 | 0.00098 |
| 56.57 | -14.14 | 0.00096 | 63.64 | -21.21 | 0.00092 |
| 70.71 | -28.28 | 0.00086 | 77.78 | -35.36 | 0.00079 |
| 84.85 | -42.43 | 0.00071 | 91.92 | -49.50 | 0.00064 |
| -42.43 | 98.99 | 0.00043 | -35.36 | 91.92 | 0.00049 |
| -28.28 | 84.85 | 0.00057 | -21.21 | 77.78 | 0.00065 |
| -14.14 | 70.71 | 0.00074 | -7.07 | 63.64 | 0.00083 |
| 0.00 | 56.57 | 0.00091 | 7.07 | 49.50 | 0.00098 |
| 10.61 | 45.96 | 0.00100 | 14.14 | 42.43 | 0.00102 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW 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 |
| 16.26 | 40.31 | 0.00103 | 17.68 | 38.89 | 0.00104 |
| 19.09 | 37.48 | 0.00104 | 20.51 | 36.06 | 0.00105 |
| 21.92 | 34.65 | 0.00105 | 34.65 | 21.92 | 0.00109 |
| 36.06 | 20.51 | 0.00109 | 37.48 | 19.09 | 0.00109 |
| 38.89 | 17.68 | 0.00110 | 40.31 | 16.26 | 0.00110 |
| 42.43 | 14.14 | 0.00110 | 45.96 | 10.61 | 0.00111 |
| 49.50 | 7.07 | 0.00111 | 56.57 | 0.00 | 0.00110 |
| 63.64 | -7.07 | 0.00107 | 70.71 | -14.14 | 0.00101 |
| 77.78 | -21.21 | 0.00093 | 84.85 | -28.28 | 0.00084 |
| 91.92 | -35.36 | 0.00075 | 98.99 | -42.43 | 0.00066 |
| -35.36 | 106.07 | 0.00043 | -28.28 | 98.99 | 0.00051 |
| -21.21 | 91.92 | 0.00059 | -14.14 | 84.85 | 0.00069 |
| -7.07 | 77.78 | 0.00079 | 0.00 | 70.71 | 0.00090 |
| 7.07 | 63.64 | 0.00101 | 14.14 | 56.57 | 0.00110 |
| 17.68 | 53.03 | 0.00113 | 21.21 | 49.50 | 0.00116 |
| 23.33 | 47.38 | 0.00117 | 24.75 | 45.96 | 0.00118 |
| 26.16 | 44.55 | 0.00119 | 27.58 | 43.13 | 0.00119 |
| 28.99 | 41.72 | 0.00120 | 41.72 | 28.99 | 0.00124 |
| 43.13 | 27.58 | 0.00125 | 44.55 | 26.16 | 0.00125 |
| 45.96 | 24.75 | 0.00125 | 47.38 | 23.33 | 0.00126 |
| 49.50 | 21.21 | 0.00126 | 53.03 | 17.68 | 0.00127 |
| 56.57 | 14.14 | 0.00127 | 63.64 | 7.07 | 0.00125 |
| 70.71 | 0.00 | 0.00119 | 77.78 | -7.07 | 0.00110 |
| 84.85 | -14.14 | 0.00100 | 91.92 | -21.21 | 0.00089 |
| 98.99 | -28.28 | 0.00078 | 106.07 | -35.36 | 0.00068 |
| -28.28 | 113.14 | 0.00044 | -21.21 | 106.07 | 0.00051 |
| -14.14 | 98.99 | 0.00061 | -7.07 | 91.92 | 0.00072 |
| 0.00 | 84.85 | 0.00084 | 7.07 | 77.78 | 0.00098 |
| 14.14 | 70.71 | 0.00112 | 21.21 | 63.64 | 0.00124 |
| 24.75 | 60.10 | 0.00128 | 28.28 | 56.57 | 0.00132 |
| 30.41 | 54.45 | 0.00134 | 31.82 | 53.03 | 0.00135 |
| 33.23 | 51.62 | 0.00136 | 34.65 | 50.20 | 0.00137 |
| 36.06 | 48.79 | 0.00138 | 48.79 | 36.06 | 0.00144 |
| 50.20 | 34.65 | 0.00144 | 51.62 | 33.23 | 0.00145 |
| 53.03 | 31.82 | 0.00145 | 54.45 | 30.41 | 0.00145 |
| 56.57 | 28.28 | 0.00146 | 60.10 | 24.75 | 0.00146 |
| 63.64 | 21.21 | 0.00146 | 70.71 | 14.14 | 0.00142 |
| 77.78 | 7.07 | 0.00133 | 84.85 | 0.00 | 0.00121 |
| 91.92 | -7.07 | 0.00107 | 98.99 | -14.14 | 0.00093 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

106.07 -21.21 0.00081 113.14 -28.28 0.00070

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

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -21.21 | 120.21 | 0.00044 | -14.14 | 113.14 | 0.00052 |
| -7.07 | 106.07 | 0.00062 | 0.00 | 98.99 | 0.00074 |
| 7.07 | 91.92 | 0.00089 | 14.14 | 84.85 | 0.00105 |
| 21.21 | 77.78 | 0.00123 | 28.28 | 70.71 | 0.00140 |
| 31.82 | 67.18 | 0.00147 | 35.36 | 63.64 | 0.00152 |
| 37.48 | 61.52 | 0.00155 | 38.89 | 60.10 | 0.00156 |
| 40.31 | 58.69 | 0.00158 | 41.72 | 57.28 | 0.00159 |
| 43.13 | 55.86 | 0.00160 | 55.86 | 43.13 | 0.00167 |
| 57.28 | 41.72 | 0.00168 | 58.69 | 40.31 | 0.00169 |
| 60.10 | 38.89 | 0.00169 | 61.52 | 37.48 | 0.00170 |
| 63.64 | 35.36 | 0.00170 | 67.18 | 31.82 | 0.00171 |
| 70.71 | 28.28 | 0.00169 | 77.78 | 21.21 | 0.00161 |
| 84.85 | 14.14 | 0.00147 | 91.92 | 7.07 | 0.00130 |
| 98.99 | 0.00 | 0.00113 | 106.07 | -7.07 | 0.00097 |
| 113.14 | -14.14 | 0.00083 | 120.21 | -21.21 | 0.00071 |
| -14.14 | 127.28 | 0.00044 | -7.07 | 120.21 | 0.00052 |
| 0.00 | 113.14 | 0.00062 | 7.07 | 106.07 | 0.00076 |
| 14.14 | 98.99 | 0.00092 | 21.21 | 91.92 | 0.00112 |
| 28.28 | 84.85 | 0.00134 | 35.36 | 77.78 | 0.00157 |
| 38.89 | 74.25 | 0.00167 | 42.43 | 70.71 | 0.00175 |
| 44.55 | 68.59 | 0.00179 | 45.96 | 67.18 | 0.00182 |
| 47.38 | 65.76 | 0.00184 | 48.79 | 64.35 | 0.00185 |
| 50.20 | 62.93 | 0.00187 | 62.93 | 50.20 | 0.00197 |
| 64.35 | 48.79 | 0.00198 | 65.76 | 47.38 | 0.00199 |
| 67.18 | 45.96 | 0.00200 | 68.59 | 44.55 | 0.00200 |
| 70.71 | 42.43 | 0.00201 | 74.25 | 38.89 | 0.00200 |
| 77.78 | 35.36 | 0.00197 | 84.85 | 28.28 | 0.00182 |
| 91.92 | 21.21 | 0.00162 | 98.99 | 14.14 | 0.00139 |
| 106.07 | 7.07 | 0.00118 | 113.14 | 0.00 | 0.00100 |
| 120.21 | -7.07 | 0.00084 | 127.28 | -14.14 | 0.00071 |
| -7.07 | 134.35 | 0.00043 | 0.00 | 127.28 | 0.00052 |
| 7.07 | 120.21 | 0.00063 | 14.14 | 113.14 | 0.00077 |
| 21.21 | 106.07 | 0.00095 | 28.28 | 98.99 | 0.00118 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|-------|-------|---------|-------|-------|---------|
| 35.36 | 91.92 | 0.00145 | 42.43 | 84.85 | 0.00175 |
| 45.96 | 81.32 | 0.00189 | 49.50 | 77.78 | 0.00203 |
| 51.62 | 75.66 | 0.00209 | 53.03 | 74.25 | 0.00212 |
| 54.45 | 72.83 | 0.00216 | 55.86 | 71.42 | 0.00218 |
| 57.28 | 70.00 | 0.00221 | 70.00 | 57.28 | 0.00235 |
| 71.42 | 55.86 | 0.00236 | 72.83 | 54.45 | 0.00237 |
| 74.25 | 53.03 | 0.00238 | 75.66 | 51.62 | 0.00239 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 77.78 | 49.50 | 0.00239 | 81.32 | 45.96 | 0.00235 |
| 84.85 | 42.43 | 0.00228 | 91.92 | 35.36 | 0.00204 |
| 98.99 | 28.28 | 0.00175 | 106.07 | 21.21 | 0.00146 |
| 113.14 | 14.14 | 0.00122 | 120.21 | 7.07 | 0.00101 |
| 127.28 | 0.00 | 0.00085 | 134.35 | -7.07 | 0.00071 |
| 0.00 | 141.42 | 0.00043 | 7.07 | 134.35 | 0.00052 |
| 14.14 | 127.28 | 0.00063 | 21.21 | 120.21 | 0.00077 |
| 28.28 | 113.14 | 0.00096 | 35.36 | 106.07 | 0.00121 |
| 42.43 | 98.99 | 0.00153 | 49.50 | 91.92 | 0.00192 |
| 53.03 | 88.39 | 0.00212 | 56.57 | 84.85 | 0.00232 |
| 58.69 | 82.73 | 0.00242 | 60.10 | 81.32 | 0.00248 |
| 61.52 | 79.90 | 0.00254 | 62.93 | 78.49 | 0.00258 |
| 64.35 | 77.07 | 0.00262 | 77.07 | 64.35 | 0.00283 |
| 78.49 | 62.93 | 0.00285 | 79.90 | 61.52 | 0.00286 |
| 81.32 | 60.10 | 0.00287 | 82.73 | 58.69 | 0.00287 |
| 84.85 | 56.57 | 0.00284 | 88.39 | 53.03 | 0.00275 |
| 91.92 | 49.50 | 0.00260 | 98.99 | 42.43 | 0.00223 |
| 106.07 | 35.36 | 0.00185 | 113.14 | 28.28 | 0.00151 |
| 120.21 | 21.21 | 0.00124 | 127.28 | 14.14 | 0.00102 |
| 134.35 | 7.07 | 0.00084 | 141.42 | 0.00 | 0.00070 |
| 7.07 | 148.49 | 0.00043 | 14.14 | 141.42 | 0.00052 |
| 21.21 | 134.35 | 0.00063 | 28.28 | 127.28 | 0.00077 |
| 35.36 | 120.21 | 0.00097 | 42.43 | 113.14 | 0.00123 |
| 49.50 | 106.07 | 0.00158 | 56.57 | 98.99 | 0.00205 |
| 60.10 | 95.46 | 0.00232 | 63.64 | 91.92 | 0.00260 |
| 65.76 | 89.80 | 0.00276 | 67.18 | 88.39 | 0.00286 |
| 68.59 | 86.97 | 0.00296 | 70.00 | 85.56 | 0.00304 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 71.42 | 84.15 | 0.00311 | 84.15 | 71.42 | 0.00346 |
| 85.56 | 70.00 | 0.00347 | 86.97 | 68.59 | 0.00348 |
| 88.39 | 67.18 | 0.00346 | 89.80 | 65.76 | 0.00343 |
| 91.92 | 63.64 | 0.00334 | 95.46 | 60.10 | 0.00314 |
| 98.99 | 56.57 | 0.00289 | 106.07 | 49.50 | 0.00237 |
| 113.14 | 42.43 | 0.00191 | 120.21 | 35.36 | 0.00153 |
| 127.28 | 28.28 | 0.00124 | 134.35 | 21.21 | 0.00100 |
| 141.42 | 14.14 | 0.00082 | 148.49 | 7.07 | 0.00068 |
| 14.14 | 155.56 | 0.00043 | 21.21 | 148.49 | 0.00052 |
| 28.28 | 141.42 | 0.00063 | 35.36 | 134.35 | 0.00078 |
| 42.43 | 127.28 | 0.00097 | 49.50 | 120.21 | 0.00124 |
| 56.57 | 113.14 | 0.00161 | 63.64 | 106.07 | 0.00212 |
| 67.18 | 102.53 | 0.00244 | 70.71 | 98.99 | 0.00280 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 | 0.00304 | 74.25 | 95.46 | 0.00321 |
| 75.66 | 94.05 | 0.00337 | 77.07 | 92.63 | 0.00353 |
| 78.49 | 91.22 | 0.00367 | 91.22 | 78.49 | 0.00427 |
| 92.63 | 77.07 | 0.00425 | 94.05 | 75.66 | 0.00418 |
| 95.46 | 74.25 | 0.00409 | 96.87 | 72.83 | 0.00398 |
| 98.99 | 70.71 | 0.00379 | 102.53 | 67.18 | 0.00344 |
| 106.07 | 63.64 | 0.00309 | 113.14 | 56.57 | 0.00245 |
| 120.21 | 49.50 | 0.00193 | 127.28 | 42.43 | 0.00153 |
| 134.35 | 35.36 | 0.00121 | 141.42 | 28.28 | 0.00098 |
| 148.49 | 21.21 | 0.00079 | 155.56 | 14.14 | 0.00065 |
| 21.21 | 162.63 | 0.00045 | 28.28 | 155.56 | 0.00053 |
| 35.36 | 148.49 | 0.00064 | 42.43 | 141.42 | 0.00078 |
| 49.50 | 134.35 | 0.00098 | 56.57 | 127.28 | 0.00125 |
| 63.64 | 120.21 | 0.00163 | 70.71 | 113.14 | 0.00216 |
| 74.25 | 109.60 | 0.00251 | 77.78 | 106.07 | 0.00291 |
| 79.90 | 103.94 | 0.00319 | 81.32 | 102.53 | 0.00340 |
| 82.73 | 101.12 | 0.00362 | 84.15 | 99.70 | 0.00389 |
| 85.56 | 98.29 | 0.00418 | 98.29 | 85.56 | 0.00516 |
| 99.70 | 84.15 | 0.00495 | 101.12 | 82.73 | 0.00474 |
| 102.53 | 81.32 | 0.00453 | 103.94 | 79.90 | 0.00434 |
| 106.07 | 77.78 | 0.00405 | 109.60 | 74.25 | 0.00359 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 113.14 | 70.71 | 0.00317 | 120.21 | 63.64 | 0.00246 |
| 127.28 | 56.57 | 0.00190 | 134.35 | 49.50 | 0.00148 |
| 141.42 | 42.43 | 0.00116 | 148.49 | 35.36 | 0.00093 |
| 155.56 | 28.28 | 0.00075 | 162.63 | 21.21 | 0.00062 |
| 28.28 | 169.71 | 0.00047 | 35.36 | 162.63 | 0.00055 |
| 42.43 | 155.56 | 0.00066 | 49.50 | 148.49 | 0.00081 |
| 56.57 | 141.42 | 0.00101 | 63.64 | 134.35 | 0.00130 |
| 70.71 | 127.28 | 0.00170 | 77.78 | 120.21 | 0.00228 |
| 81.32 | 116.67 | 0.00267 | 84.85 | 113.14 | 0.00315 |
| 86.97 | 111.02 | 0.00350 | 88.39 | 109.60 | 0.00378 |
| 89.80 | 108.19 | 0.00411 | 91.22 | 106.77 | 0.00454 |
| 92.63 | 105.36 | 0.00511 | 105.36 | 92.63 | 0.00548 |
| 106.77 | 91.22 | 0.00516 | 108.19 | 89.80 | 0.00489 |
| 109.60 | 88.39 | 0.00464 | 111.02 | 86.97 | 0.00441 |
| 113.14 | 84.85 | 0.00408 | 116.67 | 81.32 | 0.00358 |
| 120.21 | 77.78 | 0.00312 | 127.28 | 70.71 | 0.00237 |
| 134.35 | 63.64 | 0.00181 | 141.42 | 56.57 | 0.00139 |
| 148.49 | 49.50 | 0.00109 | 155.56 | 42.43 | 0.00086 |
| 162.63 | 35.36 | 0.00070 | 169.71 | 28.28 | 0.00058 |

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 NE/SW Bound Direction ***

*** 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 35.36 | 176.78 | 0.00050 | 42.43 | 169.71 | 0.00059 |
| 49.50 | 162.63 | 0.00071 | 56.57 | 155.56 | 0.00087 |
| 63.64 | 148.49 | 0.00109 | 70.71 | 141.42 | 0.00142 |
| 77.78 | 134.35 | 0.00192 | 84.85 | 127.28 | 0.00274 |
| 88.39 | 123.74 | 0.00338 | 91.92 | 120.21 | 0.00424 |
| 94.05 | 118.09 | 0.00488 | 95.46 | 116.67 | 0.00536 |
| 96.87 | 115.26 | 0.00588 | 98.29 | 113.84 | 0.00645 |
| 99.70 | 112.43 | 0.00710 | 112.43 | 99.70 | 0.00563 |
| 113.84 | 98.29 | 0.00523 | 115.26 | 96.87 | 0.00490 |
| 116.67 | 95.46 | 0.00462 | 118.09 | 94.05 | 0.00436 |
| 120.21 | 91.92 | 0.00400 | 123.74 | 88.39 | 0.00347 |
| 127.28 | 84.85 | 0.00300 | 134.35 | 77.78 | 0.00224 |
| 141.42 | 70.71 | 0.00169 | 148.49 | 63.64 | 0.00129 |
| 155.56 | 56.57 | 0.00101 | 162.63 | 49.50 | 0.00080 |
| 169.71 | 42.43 | 0.00065 | 176.78 | 35.36 | 0.00054 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 42.43 | 183.85 | 0.00055 | 49.50 | 176.78 | 0.00065 |
| 56.57 | 169.71 | 0.00079 | 63.64 | 162.63 | 0.00098 |
| 70.71 | 155.56 | 0.00126 | 77.78 | 148.49 | 0.00169 |
| 84.85 | 141.42 | 0.00240 | 91.92 | 134.35 | 0.00357 |
| 95.46 | 130.81 | 0.00437 | 98.99 | 127.28 | 0.00531 |
| 101.12 | 125.16 | 0.00595 | 102.53 | 123.74 | 0.00641 |
| 103.94 | 122.33 | 0.00689 | 105.36 | 120.92 | 0.00740 |
| 106.77 | 119.50 | 0.00799 | 119.50 | 106.77 | 0.00575 |
| 120.92 | 105.36 | 0.00528 | 122.33 | 103.94 | 0.00490 |
| 123.74 | 102.53 | 0.00457 | 125.16 | 101.12 | 0.00427 |
| 127.28 | 98.99 | 0.00387 | 130.81 | 95.46 | 0.00329 |
| 134.35 | 91.92 | 0.00281 | 141.42 | 84.85 | 0.00206 |
| 148.49 | 77.78 | 0.00154 | 155.56 | 70.71 | 0.00117 |
| 162.63 | 63.64 | 0.00092 | 169.71 | 56.57 | 0.00073 |
| 176.78 | 49.50 | 0.00060 | 183.85 | 42.43 | 0.00050 |
| 49.50 | 190.92 | 0.00062 | 56.57 | 183.85 | 0.00075 |
| 63.64 | 176.78 | 0.00092 | 70.71 | 169.71 | 0.00117 |
| 77.78 | 162.63 | 0.00153 | 84.85 | 155.56 | 0.00210 |
| 91.92 | 148.49 | 0.00298 | 98.99 | 141.42 | 0.00421 |
| 102.53 | 137.89 | 0.00497 | 106.07 | 134.35 | 0.00586 |
| 108.19 | 132.23 | 0.00646 | 109.60 | 130.81 | 0.00688 |
| 111.02 | 129.40 | 0.00733 | 112.43 | 127.99 | 0.00781 |
| 113.84 | 126.57 | 0.00835 | 126.57 | 113.84 | 0.00572 |
| 127.99 | 112.43 | 0.00522 | 129.40 | 111.02 | 0.00480 |
| 130.81 | 109.60 | 0.00444 | 132.23 | 108.19 | 0.00411 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 134.35 | 106.07 | 0.00368 | 137.89 | 102.53 | 0.00306 |
| 141.42 | 98.99 | 0.00256 | 148.49 | 91.92 | 0.00184 |
| 155.56 | 84.85 | 0.00137 | 162.63 | 77.78 | 0.00105 |
| 169.71 | 70.71 | 0.00083 | 176.78 | 63.64 | 0.00067 |
| 183.85 | 56.57 | 0.00055 | 190.92 | 49.50 | 0.00045 |
| 56.57 | 197.99 | 0.00071 | 63.64 | 190.92 | 0.00088 |
| 70.71 | 183.85 | 0.00110 | 77.78 | 176.78 | 0.00142 |
| 84.85 | 169.71 | 0.00188 | 91.92 | 162.63 | 0.00253 |
| 98.99 | 155.56 | 0.00341 | 106.07 | 148.49 | 0.00456 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 109.60 | 144.96 | 0.00526 | 113.14 | 141.42 | 0.00608 |
| 115.26 | 139.30 | 0.00662 | 116.67 | 137.89 | 0.00701 |
| 118.09 | 136.47 | 0.00744 | 119.50 | 135.06 | 0.00789 |
| 120.92 | 133.64 | 0.00840 | 133.64 | 120.92 | 0.00552 |
| 135.06 | 119.50 | 0.00500 | 136.47 | 118.09 | 0.00456 |
| 137.89 | 116.67 | 0.00417 | 139.30 | 115.26 | 0.00383 |
| 141.42 | 113.14 | 0.00338 | 144.96 | 109.60 | 0.00275 |
| 148.49 | 106.07 | 0.00227 | 155.56 | 98.99 | 0.00160 |
| 162.63 | 91.92 | 0.00119 | 169.71 | 84.85 | 0.00092 |
| 176.78 | 77.78 | 0.00073 | 183.85 | 70.71 | 0.00060 |
| 190.92 | 63.64 | 0.00049 | 197.99 | 56.57 | 0.00041 |
| 63.64 | 205.06 | 0.00084 | 70.71 | 197.99 | 0.00104 |
| 77.78 | 190.92 | 0.00132 | 84.85 | 183.85 | 0.00170 |
| 91.92 | 176.78 | 0.00221 | 98.99 | 169.71 | 0.00287 |
| 106.07 | 162.63 | 0.00369 | 113.14 | 155.56 | 0.00473 |
| 116.67 | 152.03 | 0.00537 | 120.21 | 148.49 | 0.00609 |
| 122.33 | 146.37 | 0.00658 | 123.74 | 144.96 | 0.00693 |
| 125.16 | 143.54 | 0.00732 | 126.57 | 142.13 | 0.00774 |
| 127.99 | 140.71 | 0.00822 | 140.71 | 127.99 | 0.00515 |
| 142.13 | 126.57 | 0.00460 | 143.54 | 125.16 | 0.00415 |
| 144.96 | 123.74 | 0.00375 | 146.37 | 122.33 | 0.00341 |
| 148.49 | 120.21 | 0.00296 | 152.03 | 116.67 | 0.00237 |
| 155.56 | 113.14 | 0.00194 | 162.63 | 106.07 | 0.00137 |
| 169.71 | 98.99 | 0.00103 | 176.78 | 91.92 | 0.00080 |
| 183.85 | 84.85 | 0.00064 | 190.92 | 77.78 | 0.00053 |
| 197.99 | 70.71 | 0.00044 | 205.06 | 63.64 | 0.00037 |
| 70.71 | 212.13 | 0.00098 | 77.78 | 205.06 | 0.00122 |
| 84.85 | 197.99 | 0.00154 | 91.92 | 190.92 | 0.00195 |
| 98.99 | 183.85 | 0.00247 | 106.07 | 176.78 | 0.00310 |
| 113.14 | 169.71 | 0.00388 | 120.21 | 162.63 | 0.00482 |
| 123.74 | 159.10 | 0.00536 | 127.28 | 155.56 | 0.00599 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 129.40 | 153.44 | 0.00641 | 130.81 | 152.03 | 0.00671 |
| 132.23 | 150.61 | 0.00704 | 133.64 | 149.20 | 0.00742 |
| 135.06 | 147.79 | 0.00786 | 147.79 | 135.06 | 0.00457 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 149.20 | 133.64 | 0.00401 | 150.61 | 132.23 | 0.00356 |
| 152.03 | 130.81 | 0.00318 | 153.44 | 129.40 | 0.00285 |
| 155.56 | 127.28 | 0.00245 | 159.10 | 123.74 | 0.00196 |
| 162.63 | 120.21 | 0.00161 | 169.71 | 113.14 | 0.00116 |
| 176.78 | 106.07 | 0.00088 | 183.85 | 98.99 | 0.00069 |
| 190.92 | 91.92 | 0.00056 | 197.99 | 84.85 | 0.00047 |
| 205.06 | 77.78 | 0.00039 | 212.13 | 70.71 | 0.00034 |
| 77.78 | 219.20 | 0.00113 | 84.85 | 212.13 | 0.00139 |
| 91.92 | 205.06 | 0.00173 | 98.99 | 197.99 | 0.00214 |
| 106.07 | 190.92 | 0.00265 | 113.14 | 183.85 | 0.00326 |
| 120.21 | 176.78 | 0.00399 | 127.28 | 169.71 | 0.00486 |
| 130.81 | 166.17 | 0.00535 | 134.35 | 162.63 | 0.00588 |
| 136.47 | 160.51 | 0.00621 | 137.89 | 159.10 | 0.00644 |
| 139.30 | 157.68 | 0.00670 | 140.71 | 156.27 | 0.00700 |
| 142.13 | 154.86 | 0.00736 | 154.86 | 142.13 | 0.00374 |
| 156.27 | 140.71 | 0.00322 | 157.68 | 139.30 | 0.00282 |
| 159.10 | 137.89 | 0.00251 | 160.51 | 136.47 | 0.00226 |
| 162.63 | 134.35 | 0.00196 | 166.17 | 130.81 | 0.00160 |
| 169.71 | 127.28 | 0.00134 | 176.78 | 120.21 | 0.00098 |
| 183.85 | 113.14 | 0.00076 | 190.92 | 106.07 | 0.00061 |
| 197.99 | 98.99 | 0.00049 | 205.06 | 91.92 | 0.00041 |
| 212.13 | 84.85 | 0.00035 | 219.20 | 77.78 | 0.00030 |
| 84.85 | 226.27 | 0.00126 | 91.92 | 219.20 | 0.00153 |
| 98.99 | 212.13 | 0.00187 | 106.07 | 205.06 | 0.00227 |
| 113.14 | 197.99 | 0.00276 | 120.21 | 190.92 | 0.00334 |
| 127.28 | 183.85 | 0.00405 | 134.35 | 176.78 | 0.00486 |
| 137.89 | 173.24 | 0.00531 | 141.42 | 169.71 | 0.00577 |
| 143.54 | 167.58 | 0.00605 | 144.96 | 166.17 | 0.00624 |
| 146.37 | 164.76 | 0.00644 | 147.79 | 163.34 | 0.00664 |
| 149.20 | 161.93 | 0.00687 | 161.93 | 149.20 | 0.00279 |
| 163.34 | 147.79 | 0.00245 | 164.76 | 146.37 | 0.00219 |
| 166.17 | 144.96 | 0.00198 | 167.58 | 143.54 | 0.00182 |
| 169.71 | 141.42 | 0.00161 | 173.24 | 137.89 | 0.00134 |
| 176.78 | 134.35 | 0.00114 | 183.85 | 127.28 | 0.00086 |
| 190.92 | 120.21 | 0.00067 | 197.99 | 113.14 | 0.00054 |
| 205.06 | 106.07 | 0.00045 | 212.13 | 98.99 | 0.00038 |
| 219.20 | 91.92 | 0.00032 | 226.27 | 84.85 | 0.00028 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 ,

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW 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 |
| 91.92 | 233.35 | 0.00136 | 98.99 | 226.27 | 0.00164 |
| 106.07 | 219.20 | 0.00196 | 113.14 | 212.13 | 0.00234 |
| 120.21 | 205.06 | 0.00280 | 127.28 | 197.99 | 0.00335 |
| 134.35 | 190.92 | 0.00400 | 141.42 | 183.85 | 0.00472 |
| 144.96 | 180.31 | 0.00511 | 148.49 | 176.78 | 0.00548 |
| 150.61 | 174.66 | 0.00568 | 152.03 | 173.24 | 0.00580 |
| 153.44 | 171.83 | 0.00588 | 154.86 | 170.41 | 0.00591 |
| 156.27 | 169.00 | 0.00585 | 169.00 | 156.27 | 0.00235 |
| 170.41 | 154.86 | 0.00211 | 171.83 | 153.44 | 0.00191 |
| 173.24 | 152.03 | 0.00175 | 174.66 | 150.61 | 0.00161 |
| 176.78 | 148.49 | 0.00143 | 180.31 | 144.96 | 0.00120 |
| 183.85 | 141.42 | 0.00103 | 190.92 | 134.35 | 0.00078 |
| 197.99 | 127.28 | 0.00062 | 205.06 | 120.21 | 0.00050 |
| 212.13 | 113.14 | 0.00041 | 219.20 | 106.07 | 0.00035 |
| 226.27 | 98.99 | 0.00030 | 233.35 | 91.92 | 0.00026 |
| 98.99 | 240.42 | 0.00144 | 106.07 | 233.35 | 0.00169 |
| 113.14 | 226.27 | 0.00200 | 120.21 | 219.20 | 0.00235 |
| 127.28 | 212.13 | 0.00276 | 134.35 | 205.06 | 0.00324 |
| 141.42 | 197.99 | 0.00374 | 148.49 | 190.92 | 0.00419 |
| 152.03 | 187.38 | 0.00430 | 155.56 | 183.85 | 0.00428 |
| 157.68 | 181.73 | 0.00419 | 159.10 | 180.31 | 0.00410 |
| 160.51 | 178.90 | 0.00399 | 161.93 | 177.48 | 0.00386 |
| 163.34 | 176.07 | 0.00371 | 176.07 | 163.34 | 0.00200 |
| 177.48 | 161.93 | 0.00185 | 178.90 | 160.51 | 0.00171 |
| 180.31 | 159.10 | 0.00158 | 181.73 | 157.68 | 0.00146 |
| 183.85 | 155.56 | 0.00131 | 187.38 | 152.03 | 0.00110 |
| 190.92 | 148.49 | 0.00094 | 197.99 | 141.42 | 0.00072 |
| 205.06 | 134.35 | 0.00057 | 212.13 | 127.28 | 0.00046 |
| 219.20 | 120.21 | 0.00038 | 226.27 | 113.14 | 0.00032 |
| 233.35 | 106.07 | 0.00028 | 240.42 | 98.99 | 0.00024 |
| 106.07 | 247.49 | 0.00147 | 113.14 | 240.42 | 0.00171 |
| 120.21 | 233.35 | 0.00198 | 127.28 | 226.27 | 0.00228 |
| 134.35 | 219.20 | 0.00261 | 141.42 | 212.13 | 0.00295 |
| 148.49 | 205.06 | 0.00319 | 155.56 | 197.99 | 0.00323 |
| 159.10 | 194.45 | 0.00315 | 162.63 | 190.92 | 0.00303 |
| 164.76 | 188.80 | 0.00293 | 166.17 | 187.38 | 0.00286 |
| 167.58 | 185.97 | 0.00278 | 169.00 | 184.55 | 0.00269 |
| 170.41 | 183.14 | 0.00260 | 183.14 | 170.41 | 0.00164 |
| 184.55 | 169.00 | 0.00154 | 185.97 | 167.58 | 0.00145 |
| 187.38 | 166.17 | 0.00136 | 188.80 | 164.76 | 0.00128 |

04/20/08

*** Maximum train overlap at NE/SW Bound Direction

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 190.92 | 162.63 | 0.00117 | 194.45 | 159.10 | 0.00101 |
| 197.99 | 155.56 | 0.00087 | 205.06 | 148.49 | 0.00067 |
| 212.13 | 141.42 | 0.00053 | 219.20 | 134.35 | 0.00043 |
| 226.27 | 127.28 | 0.00035 | 233.35 | 120.21 | 0.00030 |
| 240.42 | 113.14 | 0.00026 | 247.49 | 106.07 | 0.00022 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -247.49 | -106.07 | 0.00018 | -240.42 | -113.14 | 0.00019 |
| -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 | 0.00021 |
| -194.45 | -159.10 | 0.00021 | -190.92 | -162.63 | 0.00021 |
| -188.80 | -164.76 | 0.00021 | -187.38 | -166.17 | 0.00021 |
| -185.97 | -167.58 | 0.00021 | -184.55 | -169.00 | 0.00021 |
| -183.14 | -170.41 | 0.00021 | -170.41 | -183.14 | 0.00021 |
| -169.00 | -184.55 | 0.00021 | -167.58 | -185.97 | 0.00021 |
| -166.17 | -187.38 | 0.00021 | -164.76 | -188.80 | 0.00021 |
| -162.63 | -190.92 | 0.00021 | -159.10 | -194.45 | 0.00021 |
| -155.56 | -197.99 | 0.00021 | -148.49 | -205.06 | 0.00021 |
| -141.42 | -212.13 | 0.00022 | -134.35 | -219.20 | 0.00022 |
| -127.28 | -226.27 | 0.00022 | -120.21 | -233.35 | 0.00022 |
| -113.14 | -240.42 | 0.00022 | -106.07 | -247.49 | 0.00022 |
| -240.42 | -98.99 | 0.00019 | -233.35 | -106.07 | 0.00020 |
| -226.27 | -113.14 | 0.00020 | -219.20 | -120.21 | 0.00020 |
| -212.13 | -127.28 | 0.00021 | -205.06 | -134.35 | 0.00021 |
| -197.99 | -141.42 | 0.00021 | -190.92 | -148.49 | 0.00022 |
| -187.38 | -152.03 | 0.00022 | -183.85 | -155.56 | 0.00022 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -181.73 | -157.68 | 0.00022 | -180.31 | -159.10 | 0.00022 |
| -178.90 | -160.51 | 0.00022 | -177.48 | -161.93 | 0.00022 |
| -176.07 | -163.34 | 0.00022 | -163.34 | -176.07 | 0.00022 |
| -161.93 | -177.48 | 0.00022 | -160.51 | -178.90 | 0.00022 |
| -159.10 | -180.31 | 0.00022 | -157.68 | -181.73 | 0.00022 |
| -155.56 | -183.85 | 0.00022 | -152.03 | -187.38 | 0.00023 |
| -148.49 | -190.92 | 0.00023 | -141.42 | -197.99 | 0.00023 |
| -134.35 | -205.06 | 0.00023 | -127.28 | -212.13 | 0.00023 |
| -120.21 | -219.20 | 0.00023 | -113.14 | -226.27 | 0.00023 |
| -106.07 | -233.35 | 0.00023 | -98.99 | -240.42 | 0.00023 |
| -233.35 | -91.92 | 0.00020 | -226.27 | -99.00 | 0.00021 |
| -219.20 | -106.07 | 0.00021 | -212.13 | -113.14 | 0.00022 |
| -205.06 | -120.21 | 0.00022 | -197.99 | -127.28 | 0.00022 |
| -190.92 | -134.35 | 0.00023 | -183.85 | -141.42 | 0.00023 |
| -180.31 | -144.96 | 0.00023 | -176.78 | -148.49 | 0.00023 |
| -174.66 | -150.61 | 0.00023 | -173.24 | -152.03 | 0.00023 |
| -171.83 | -153.44 | 0.00023 | -170.41 | -154.86 | 0.00023 |
| -169.00 | -156.27 | 0.00023 | -156.27 | -169.00 | 0.00024 |
| -154.86 | -170.41 | 0.00024 | -153.44 | -171.83 | 0.00024 |
| -152.03 | -173.24 | 0.00024 | -150.61 | -174.66 | 0.00024 |

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

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -148.49 | -176.78 | 0.00024 | -144.96 | -180.31 | 0.00024 |
| -141.42 | -183.85 | 0.00024 | -134.35 | -190.92 | 0.00024 |
| -127.28 | -197.99 | 0.00024 | -120.21 | -205.06 | 0.00024 |
| -113.14 | -212.13 | 0.00024 | -106.07 | -219.20 | 0.00024 |
| -98.99 | -226.27 | 0.00024 | -91.92 | -233.35 | 0.00024 |
| -226.27 | -84.85 | 0.00021 | -219.20 | -91.92 | 0.00022 |
| -212.13 | -99.00 | 0.00022 | -205.06 | -106.07 | 0.00023 |
| -197.99 | -113.14 | 0.00023 | -190.92 | -120.21 | 0.00024 |
| -183.85 | -127.28 | 0.00024 | -176.78 | -134.35 | 0.00024 |
| -173.24 | -137.89 | 0.00024 | -169.71 | -141.42 | 0.00024 |
| -167.58 | -143.54 | 0.00025 | -166.17 | -144.96 | 0.00025 |
| -164.76 | -146.37 | 0.00025 | -163.34 | -147.79 | 0.00025 |
| -161.93 | -149.20 | 0.00025 | -149.20 | -161.93 | 0.00025 |
| -147.79 | -163.34 | 0.00025 | -146.37 | -164.76 | 0.00025 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -144.96 | -166.17 | 0.00025 | -143.54 | -167.58 | 0.00025 |
| -141.42 | -169.71 | 0.00025 | -137.89 | -173.24 | 0.00025 |
| -134.35 | -176.78 | 0.00025 | -127.28 | -183.85 | 0.00025 |
| -120.21 | -190.92 | 0.00026 | -113.14 | -197.99 | 0.00026 |
| -106.07 | -205.06 | 0.00026 | -98.99 | -212.13 | 0.00026 |
| -91.92 | -219.20 | 0.00026 | -84.85 | -226.27 | 0.00026 |
| -219.20 | -77.78 | 0.00022 | -212.13 | -84.85 | 0.00023 |
| -205.06 | -91.92 | 0.00023 | -197.99 | -99.00 | 0.00024 |
| -190.92 | -106.07 | 0.00025 | -183.85 | -113.14 | 0.00025 |
| -176.78 | -120.21 | 0.00025 | -169.71 | -127.28 | 0.00026 |
| -166.17 | -130.81 | 0.00026 | -162.63 | -134.35 | 0.00026 |
| -160.51 | -136.47 | 0.00026 | -159.10 | -137.89 | 0.00026 |
| -157.68 | -139.30 | 0.00026 | -156.27 | -140.71 | 0.00026 |
| -154.86 | -142.13 | 0.00026 | -142.13 | -154.86 | 0.00027 |
| -140.71 | -156.27 | 0.00027 | -139.30 | -157.68 | 0.00027 |
| -137.89 | -159.10 | 0.00027 | -136.47 | -160.51 | 0.00027 |
| -134.35 | -162.63 | 0.00027 | -130.81 | -166.17 | 0.00027 |
| -127.28 | -169.71 | 0.00027 | -120.21 | -176.78 | 0.00027 |
| -113.14 | -183.85 | 0.00027 | -106.07 | -190.92 | 0.00027 |
| -98.99 | -197.99 | 0.00027 | -91.92 | -205.06 | 0.00027 |
| -84.85 | -212.13 | 0.00027 | -77.78 | -219.20 | 0.00027 |
| -212.13 | -70.71 | 0.00023 | -205.06 | -77.78 | 0.00024 |
| -197.99 | -84.85 | 0.00025 | -190.92 | -91.92 | 0.00025 |
| -183.85 | -98.99 | 0.00026 | -176.78 | -106.07 | 0.00026 |
| -169.71 | -113.14 | 0.00027 | -162.63 | -120.21 | 0.00027 |
| -159.10 | -123.74 | 0.00027 | -155.56 | -127.28 | 0.00028 |

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

04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -153.44 | -129.40 | 0.00028 | -152.03 | -130.81 | 0.00028 |
| -150.61 | -132.23 | 0.00028 | -149.20 | -133.64 | 0.00028 |
| -147.79 | -135.06 | 0.00028 | -135.06 | -147.79 | 0.00028 |
| -133.64 | -149.20 | 0.00028 | -132.23 | -150.61 | 0.00028 |
| -130.81 | -152.03 | 0.00028 | -129.40 | -153.44 | 0.00028 |
| -127.28 | -155.56 | 0.00029 | -123.74 | -159.10 | 0.00029 |
| -120.21 | -162.63 | 0.00029 | -113.14 | -169.71 | 0.00029 |
| -106.07 | -176.78 | 0.00029 | -98.99 | -183.85 | 0.00029 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -91.92 | -190.92 | 0.00029 | -84.85 | -197.99 | 0.00029 |
| -77.78 | -205.06 | 0.00029 | -70.71 | -212.13 | 0.00029 |
| -205.06 | -63.64 | 0.00024 | -197.99 | -70.71 | 0.00025 |
| -190.92 | -77.78 | 0.00026 | -183.85 | -84.85 | 0.00027 |
| -176.78 | -91.92 | 0.00028 | -169.71 | -98.99 | 0.00028 |
| -162.63 | -106.07 | 0.00029 | -155.56 | -113.14 | 0.00029 |
| -152.03 | -116.67 | 0.00029 | -148.49 | -120.21 | 0.00029 |
| -146.37 | -122.33 | 0.00030 | -144.96 | -123.74 | 0.00030 |
| -143.54 | -125.16 | 0.00030 | -142.13 | -126.57 | 0.00030 |
| -140.71 | -127.99 | 0.00030 | -127.99 | -140.71 | 0.00030 |
| -126.57 | -142.13 | 0.00030 | -125.16 | -143.54 | 0.00030 |
| -123.74 | -144.96 | 0.00030 | -122.33 | -146.37 | 0.00030 |
| -120.21 | -148.49 | 0.00030 | -116.67 | -152.03 | 0.00031 |
| -113.14 | -155.56 | 0.00031 | -106.07 | -162.63 | 0.00031 |
| -98.99 | -169.71 | 0.00031 | -91.92 | -176.78 | 0.00031 |
| -84.85 | -183.85 | 0.00031 | -77.78 | -190.92 | 0.00031 |
| -70.71 | -197.99 | 0.00031 | -63.64 | -205.06 | 0.00030 |
| -197.99 | -56.57 | 0.00025 | -190.92 | -63.64 | 0.00027 |
| -183.85 | -70.71 | 0.00028 | -176.78 | -77.78 | 0.00029 |
| -169.71 | -84.85 | 0.00029 | -162.63 | -91.92 | 0.00030 |
| -155.56 | -98.99 | 0.00031 | -148.49 | -106.07 | 0.00031 |
| -144.96 | -109.60 | 0.00031 | -141.42 | -113.14 | 0.00031 |
| -139.30 | -115.26 | 0.00032 | -137.89 | -116.67 | 0.00032 |
| -136.47 | -118.09 | 0.00032 | -135.06 | -119.50 | 0.00032 |
| -133.64 | -120.92 | 0.00032 | -120.92 | -133.64 | 0.00032 |
| -119.50 | -135.06 | 0.00032 | -118.09 | -136.47 | 0.00032 |
| -116.67 | -137.89 | 0.00032 | -115.26 | -139.30 | 0.00033 |
| -113.14 | -141.42 | 0.00033 | -109.60 | -144.96 | 0.00033 |
| -106.07 | -148.49 | 0.00033 | -98.99 | -155.56 | 0.00033 |
| -91.92 | -162.63 | 0.00033 | -84.85 | -169.71 | 0.00033 |
| -77.78 | -176.78 | 0.00033 | -70.71 | -183.85 | 0.00033 |
| -63.64 | -190.92 | 0.00033 | -56.57 | -197.99 | 0.00032 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -190.92 | -49.50 | 0.00027 | -183.85 | -56.57 | 0.00028 |
| -176.78 | -63.64 | 0.00029 | -169.71 | -70.71 | 0.00030 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -162.63 | -77.78 | 0.00031 | -155.56 | -84.85 | 0.00032 |
| -148.49 | -91.92 | 0.00033 | -141.42 | -98.99 | 0.00033 |
| -137.89 | -102.53 | 0.00033 | -134.35 | -106.07 | 0.00034 |
| -132.23 | -108.19 | 0.00034 | -130.81 | -109.60 | 0.00034 |
| -129.40 | -111.02 | 0.00034 | -127.99 | -112.43 | 0.00034 |
| -126.57 | -113.84 | 0.00034 | -113.84 | -126.57 | 0.00035 |
| -112.43 | -127.99 | 0.00035 | -111.02 | -129.40 | 0.00035 |
| -109.60 | -130.81 | 0.00035 | -108.19 | -132.23 | 0.00035 |
| -106.07 | -134.35 | 0.00035 | -102.53 | -137.89 | 0.00035 |
| -98.99 | -141.42 | 0.00035 | -91.92 | -148.49 | 0.00035 |
| -84.85 | -155.56 | 0.00035 | -77.78 | -162.63 | 0.00035 |
| -70.71 | -169.71 | 0.00035 | -63.64 | -176.78 | 0.00035 |
| -56.57 | -183.85 | 0.00035 | -49.50 | -190.92 | 0.00034 |
| -183.85 | -42.43 | 0.00028 | -176.78 | -49.50 | 0.00030 |
| -169.71 | -56.57 | 0.00031 | -162.63 | -63.64 | 0.00032 |
| -155.56 | -70.71 | 0.00033 | -148.49 | -77.78 | 0.00034 |
| -141.42 | -84.85 | 0.00035 | -134.35 | -91.92 | 0.00036 |
| -130.81 | -95.46 | 0.00036 | -127.28 | -98.99 | 0.00036 |
| -125.16 | -101.12 | 0.00036 | -123.74 | -102.53 | 0.00036 |
| -122.33 | -103.94 | 0.00036 | -120.92 | -105.36 | 0.00037 |
| -119.50 | -106.77 | 0.00037 | -106.77 | -119.50 | 0.00037 |
| -105.36 | -120.92 | 0.00037 | -103.94 | -122.33 | 0.00037 |
| -102.53 | -123.74 | 0.00037 | -101.12 | -125.16 | 0.00037 |
| -98.99 | -127.28 | 0.00038 | -95.46 | -130.81 | 0.00038 |
| -91.92 | -134.35 | 0.00038 | -84.85 | -141.42 | 0.00038 |
| -77.78 | -148.49 | 0.00038 | -70.71 | -155.56 | 0.00038 |
| -63.64 | -162.63 | 0.00038 | -56.57 | -169.71 | 0.00038 |
| -49.50 | -176.78 | 0.00037 | -42.43 | -183.85 | 0.00037 |
| -176.78 | -35.36 | 0.00029 | -169.71 | -42.43 | 0.00031 |
| -162.63 | -49.50 | 0.00033 | -155.56 | -56.57 | 0.00034 |
| -148.49 | -63.64 | 0.00036 | -141.42 | -70.71 | 0.00037 |
| -134.35 | -77.78 | 0.00038 | -127.28 | -84.85 | 0.00038 |
| -123.74 | -88.39 | 0.00039 | -120.21 | -91.92 | 0.00039 |
| -118.09 | -94.05 | 0.00039 | -116.67 | -95.46 | 0.00039 |
| -115.26 | -96.87 | 0.00039 | -113.84 | -98.29 | 0.00039 |
| -112.43 | -99.70 | 0.00039 | -99.70 | -112.43 | 0.00040 |
| -98.29 | -113.84 | 0.00040 | -96.87 | -115.26 | 0.00040 |
| -95.46 | -116.67 | 0.00040 | -94.05 | -118.09 | 0.00040 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13
 **MODELOPTS:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW 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 |
| -91.92 | -120.21 | 0.00041 | -88.39 | -123.74 | 0.00041 |
| -84.85 | -127.28 | 0.00041 | -77.78 | -134.35 | 0.00041 |
| -70.71 | -141.42 | 0.00041 | -63.64 | -148.49 | 0.00041 |
| -56.57 | -155.56 | 0.00041 | -49.50 | -162.63 | 0.00041 |
| -42.43 | -169.71 | 0.00040 | -35.36 | -176.78 | 0.00039 |
| -169.71 | -28.28 | 0.00030 | -162.63 | -35.36 | 0.00033 |
| -155.56 | -42.43 | 0.00035 | -148.49 | -49.50 | 0.00037 |
| -141.42 | -56.57 | 0.00038 | -134.35 | -63.64 | 0.00039 |
| -127.28 | -70.71 | 0.00040 | -120.21 | -77.78 | 0.00041 |
| -116.67 | -81.32 | 0.00042 | -113.14 | -84.85 | 0.00042 |
| -111.02 | -86.97 | 0.00042 | -109.60 | -88.39 | 0.00042 |
| -108.19 | -89.80 | 0.00042 | -106.77 | -91.22 | 0.00043 |
| -105.36 | -92.63 | 0.00043 | -92.63 | -105.36 | 0.00043 |
| -91.22 | -106.77 | 0.00044 | -89.80 | -108.19 | 0.00044 |
| -88.39 | -109.60 | 0.00044 | -86.97 | -111.02 | 0.00044 |
| -84.85 | -113.14 | 0.00044 | -81.32 | -116.67 | 0.00044 |
| -77.78 | -120.21 | 0.00044 | -70.71 | -127.28 | 0.00044 |
| -63.64 | -134.35 | 0.00044 | -56.57 | -141.42 | 0.00044 |
| -49.50 | -148.49 | 0.00044 | -42.43 | -155.56 | 0.00044 |
| -35.36 | -162.63 | 0.00043 | -28.28 | -169.71 | 0.00041 |
| -162.63 | -21.21 | 0.00032 | -155.56 | -28.28 | 0.00034 |
| -148.49 | -35.36 | 0.00037 | -141.42 | -42.43 | 0.00039 |
| -134.35 | -49.50 | 0.00041 | -127.28 | -56.57 | 0.00043 |
| -120.21 | -63.64 | 0.00044 | -113.14 | -70.71 | 0.00045 |
| -109.60 | -74.25 | 0.00045 | -106.07 | -77.78 | 0.00046 |
| -103.94 | -79.90 | 0.00046 | -102.53 | -81.32 | 0.00046 |
| -101.12 | -82.73 | 0.00046 | -99.70 | -84.15 | 0.00046 |
| -98.29 | -85.56 | 0.00046 | -85.56 | -98.29 | 0.00047 |
| -84.15 | -99.70 | 0.00047 | -82.73 | -101.12 | 0.00047 |
| -81.32 | -102.53 | 0.00047 | -79.90 | -103.94 | 0.00048 |
| -77.78 | -106.07 | 0.00048 | -74.25 | -109.60 | 0.00048 |
| -70.71 | -113.14 | 0.00048 | -63.64 | -120.21 | 0.00048 |
| -56.57 | -127.28 | 0.00048 | -49.50 | -134.35 | 0.00048 |
| -42.43 | -141.42 | 0.00048 | -35.36 | -148.49 | 0.00047 |
| -28.28 | -155.56 | 0.00046 | -21.21 | -162.63 | 0.00044 |
| -155.56 | -14.14 | 0.00033 | -148.49 | -21.21 | 0.00036 |
| -141.42 | -28.28 | 0.00039 | -134.35 | -35.36 | 0.00042 |
| -127.28 | -42.43 | 0.00044 | -120.21 | -49.50 | 0.00046 |
| -113.14 | -56.57 | 0.00047 | -106.07 | -63.64 | 0.00049 |
| -102.53 | -67.18 | 0.00049 | -98.99 | -70.71 | 0.00050 |

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

*** NCRA Cumulative DPM Impacts

18:13:13

**MODELOPTs:

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*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -96.87 | -72.83 | 0.00050 | -95.46 | -74.25 | 0.00050 |
| -94.05 | -75.66 | 0.00050 | -92.63 | -77.07 | 0.00050 |
| -91.22 | -78.49 | 0.00050 | -78.49 | -91.22 | 0.00051 |
| -77.07 | -92.63 | 0.00052 | -75.66 | -94.05 | 0.00052 |
| -74.25 | -95.46 | 0.00052 | -72.83 | -96.87 | 0.00052 |
| -70.71 | -98.99 | 0.00052 | -67.18 | -102.53 | 0.00052 |
| -63.64 | -106.07 | 0.00052 | -56.57 | -113.14 | 0.00052 |
| -49.50 | -120.21 | 0.00053 | -42.43 | -127.28 | 0.00052 |
| -35.36 | -134.35 | 0.00052 | -28.28 | -141.42 | 0.00051 |
| -21.21 | -148.49 | 0.00049 | -14.14 | -155.56 | 0.00047 |
| -148.49 | -7.07 | 0.00035 | -141.42 | -14.14 | 0.00038 |
| -134.35 | -21.21 | 0.00042 | -127.28 | -28.28 | 0.00045 |
| -120.21 | -35.36 | 0.00048 | -113.14 | -42.43 | 0.00050 |
| -106.07 | -49.50 | 0.00052 | -98.99 | -56.57 | 0.00053 |
| -95.46 | -60.10 | 0.00054 | -91.92 | -63.64 | 0.00054 |
| -89.80 | -65.76 | 0.00054 | -88.39 | -67.18 | 0.00055 |
| -86.97 | -68.59 | 0.00055 | -85.56 | -70.00 | 0.00055 |
| -84.15 | -71.42 | 0.00055 | -71.42 | -84.15 | 0.00056 |
| -70.00 | -85.56 | 0.00056 | -68.59 | -86.97 | 0.00057 |
| -67.18 | -88.39 | 0.00057 | -65.76 | -89.80 | 0.00057 |
| -63.64 | -91.92 | 0.00057 | -60.10 | -95.46 | 0.00057 |
| -56.57 | -98.99 | 0.00057 | -49.50 | -106.07 | 0.00057 |
| -42.43 | -113.14 | 0.00058 | -35.36 | -120.21 | 0.00057 |
| -28.28 | -127.28 | 0.00056 | -21.21 | -134.35 | 0.00055 |
| -14.14 | -141.42 | 0.00052 | -7.07 | -148.49 | 0.00049 |
| -141.42 | 0.00 | 0.00036 | -134.35 | -7.07 | 0.00040 |
| -127.28 | -14.14 | 0.00044 | -120.21 | -21.21 | 0.00048 |
| -113.14 | -28.28 | 0.00051 | -106.07 | -35.36 | 0.00054 |
| -98.99 | -42.43 | 0.00056 | -91.92 | -49.50 | 0.00058 |
| -88.39 | -53.03 | 0.00059 | -84.85 | -56.57 | 0.00059 |
| -82.73 | -58.69 | 0.00060 | -81.32 | -60.10 | 0.00060 |
| -79.90 | -61.52 | 0.00060 | -78.49 | -62.93 | 0.00060 |
| -77.07 | -64.35 | 0.00061 | -64.35 | -77.07 | 0.00062 |
| -62.93 | -78.49 | 0.00062 | -61.52 | -79.90 | 0.00062 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|---------|---------|--------|---------|---------|
| -60.10 | -81.32 | 0.00062 | -58.69 | -82.73 | 0.00062 |
| -56.57 | -84.85 | 0.00063 | -53.03 | -88.39 | 0.00063 |
| -49.50 | -91.92 | 0.00063 | -42.43 | -98.99 | 0.00063 |
| -35.36 | -106.07 | 0.00063 | -28.28 | -113.14 | 0.00063 |
| -21.21 | -120.21 | 0.00061 | -14.14 | -127.28 | 0.00059 |
| -7.07 | -134.35 | 0.00056 | 0.00 | -141.42 | 0.00052 |

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

18:13:13
 **MODELOPTs:
 PAGE 49
 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -134.35 | 7.07 | 0.00038 | -127.28 | 0.00 | 0.00042 |
| -120.21 | -7.07 | 0.00046 | -113.14 | -14.14 | 0.00051 |
| -106.07 | -21.21 | 0.00055 | -98.99 | -28.28 | 0.00059 |
| -91.92 | -35.36 | 0.00062 | -84.85 | -42.43 | 0.00064 |
| -81.32 | -45.96 | 0.00065 | -77.78 | -49.50 | 0.00065 |
| -75.66 | -51.62 | 0.00066 | -74.25 | -53.03 | 0.00066 |
| -72.83 | -54.45 | 0.00066 | -71.42 | -55.86 | 0.00067 |
| -70.00 | -57.28 | 0.00067 | -57.28 | -70.00 | 0.00069 |
| -55.86 | -71.42 | 0.00069 | -54.45 | -72.83 | 0.00069 |
| -53.03 | -74.25 | 0.00069 | -51.62 | -75.66 | 0.00069 |
| -49.50 | -77.78 | 0.00069 | -45.96 | -81.32 | 0.00069 |
| -42.43 | -84.85 | 0.00070 | -35.36 | -91.92 | 0.00070 |
| -28.28 | -98.99 | 0.00070 | -21.21 | -106.07 | 0.00069 |
| -14.14 | -113.14 | 0.00067 | -7.07 | -120.21 | 0.00064 |
| 0.00 | -127.28 | 0.00060 | 7.07 | -134.35 | 0.00055 |
| -127.28 | 14.14 | 0.00039 | -120.21 | 7.07 | 0.00044 |
| -113.14 | 0.00 | 0.00049 | -106.07 | -7.07 | 0.00054 |
| -98.99 | -14.14 | 0.00060 | -91.92 | -21.21 | 0.00064 |
| -84.85 | -28.28 | 0.00068 | -77.78 | -35.36 | 0.00070 |
| -74.25 | -38.89 | 0.00072 | -70.71 | -42.43 | 0.00072 |
| -68.59 | -44.55 | 0.00073 | -67.18 | -45.96 | 0.00073 |
| -65.76 | -47.38 | 0.00074 | -64.35 | -48.79 | 0.00074 |
| -62.93 | -50.20 | 0.00074 | -50.20 | -62.93 | 0.00076 |
| -48.79 | -64.35 | 0.00076 | -47.38 | -65.76 | 0.00077 |
| -45.96 | -67.18 | 0.00077 | -44.55 | -68.59 | 0.00077 |
| -42.43 | -70.71 | 0.00077 | -38.89 | -74.25 | 0.00077 |
| -35.36 | -77.78 | 0.00077 | -28.28 | -84.85 | 0.00078 |
| -21.21 | -91.92 | 0.00077 | -14.14 | -98.99 | 0.00076 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -7.07 | -106.07 | 0.00073 | 0.00 | -113.14 | 0.00068 |
| 7.07 | -120.21 | 0.00063 | 14.14 | -127.28 | 0.00058 |
| -120.21 | 21.21 | 0.00041 | -113.14 | 14.14 | 0.00046 |
| -106.07 | 7.07 | 0.00051 | -98.99 | 0.00 | 0.00058 |
| -91.92 | -7.07 | 0.00064 | -84.85 | -14.14 | 0.00070 |
| -77.78 | -21.21 | 0.00075 | -70.71 | -28.28 | 0.00078 |
| -67.18 | -31.82 | 0.00079 | -63.64 | -35.36 | 0.00081 |
| -61.52 | -37.48 | 0.00081 | -60.10 | -38.89 | 0.00082 |
| -58.69 | -40.31 | 0.00082 | -57.28 | -41.72 | 0.00082 |
| -55.86 | -43.13 | 0.00083 | -43.13 | -55.86 | 0.00085 |
| -41.72 | -57.28 | 0.00085 | -40.31 | -58.69 | 0.00086 |
| -38.89 | -60.10 | 0.00086 | -37.48 | -61.52 | 0.00086 |

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

18:13:13
 **MODELOPTs:
 PAGE 50

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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -35.36 | -63.64 | 0.00086 | -31.82 | -67.18 | 0.00086 |
| -28.28 | -70.71 | 0.00087 | -21.21 | -77.78 | 0.00087 |
| -14.14 | -84.85 | 0.00086 | -7.07 | -91.92 | 0.00083 |
| 0.00 | -98.99 | 0.00079 | 7.07 | -106.07 | 0.00073 |
| 14.14 | -113.14 | 0.00067 | 21.21 | -120.21 | 0.00061 |
| -113.14 | 28.28 | 0.00042 | -106.07 | 21.21 | 0.00048 |
| -98.99 | 14.14 | 0.00054 | -91.92 | 7.07 | 0.00061 |
| -84.85 | 0.00 | 0.00069 | -77.78 | -7.07 | 0.00076 |
| -70.71 | -14.14 | 0.00083 | -63.64 | -21.21 | 0.00087 |
| -60.10 | -24.75 | 0.00089 | -56.57 | -28.28 | 0.00090 |
| -54.45 | -30.41 | 0.00091 | -53.03 | -31.82 | 0.00092 |
| -51.62 | -33.23 | 0.00092 | -50.20 | -34.65 | 0.00093 |
| -48.79 | -36.06 | 0.00093 | -36.06 | -48.79 | 0.00096 |
| -34.65 | -50.20 | 0.00096 | -33.23 | -51.62 | 0.00096 |
| -31.82 | -53.03 | 0.00097 | -30.41 | -54.45 | 0.00097 |
| -28.28 | -56.57 | 0.00097 | -24.75 | -60.10 | 0.00097 |
| -21.21 | -63.64 | 0.00098 | -14.14 | -70.71 | 0.00098 |
| -7.07 | -77.78 | 0.00096 | 0.00 | -84.85 | 0.00092 |
| 7.07 | -91.92 | 0.00086 | 14.14 | -98.99 | 0.00079 |
| 21.21 | -106.07 | 0.00071 | 28.28 | -113.14 | 0.00064 |
| -106.07 | 35.36 | 0.00043 | -98.99 | 28.28 | 0.00049 |
| -91.92 | 21.21 | 0.00057 | -84.85 | 14.14 | 0.00065 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -77.78 | 7.07 | 0.00074 | -70.71 | 0.00 | 0.00083 |
| -63.64 | -7.07 | 0.00091 | -56.57 | -14.14 | 0.00098 |
| -53.03 | -17.68 | 0.00100 | -49.50 | -21.21 | 0.00102 |
| -47.38 | -23.33 | 0.00103 | -45.96 | -24.75 | 0.00104 |
| -44.55 | -26.16 | 0.00104 | -43.13 | -27.58 | 0.00105 |
| -41.72 | -28.99 | 0.00105 | -28.99 | -41.72 | 0.00109 |
| -27.58 | -43.13 | 0.00109 | -26.16 | -44.55 | 0.00109 |
| -24.75 | -45.96 | 0.00110 | -23.33 | -47.38 | 0.00110 |
| -21.21 | -49.50 | 0.00110 | -17.68 | -53.03 | 0.00111 |
| -14.14 | -56.57 | 0.00111 | -7.07 | -63.64 | 0.00110 |
| 0.00 | -70.71 | 0.00107 | 7.07 | -77.78 | 0.00101 |
| 14.14 | -84.85 | 0.00093 | 21.21 | -91.92 | 0.00084 |
| 28.28 | -98.99 | 0.00075 | 35.36 | -106.07 | 0.00066 |
| -98.99 | 42.43 | 0.00043 | -91.92 | 35.36 | 0.00051 |
| -84.85 | 28.28 | 0.00059 | -77.78 | 21.21 | 0.00069 |
| -70.71 | 14.14 | 0.00079 | -63.64 | 7.07 | 0.00090 |
| -56.57 | 0.00 | 0.00101 | -49.50 | -7.07 | 0.00110 |
| -45.96 | -10.61 | 0.00113 | -42.43 | -14.14 | 0.00116 |

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

18:13:13
 **MODELOPTs:
 PAGE 51
 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -40.31 | -16.26 | 0.00117 | -38.89 | -17.68 | 0.00118 |
| -37.48 | -19.09 | 0.00119 | -36.06 | -20.51 | 0.00119 |
| -34.65 | -21.92 | 0.00120 | -21.92 | -34.65 | 0.00124 |
| -20.51 | -36.06 | 0.00125 | -19.09 | -37.48 | 0.00125 |
| -17.68 | -38.89 | 0.00125 | -16.26 | -40.31 | 0.00126 |
| -14.14 | -42.43 | 0.00126 | -10.61 | -45.96 | 0.00127 |
| -7.07 | -49.50 | 0.00127 | 0.00 | -56.57 | 0.00125 |
| 7.07 | -63.64 | 0.00119 | 14.14 | -70.71 | 0.00110 |
| 21.21 | -77.78 | 0.00100 | 28.28 | -84.85 | 0.00089 |
| 35.36 | -91.92 | 0.00078 | 42.43 | -98.99 | 0.00068 |
| -91.92 | 49.50 | 0.00044 | -84.85 | 42.43 | 0.00051 |
| -77.78 | 35.36 | 0.00061 | -70.71 | 28.28 | 0.00072 |
| -63.64 | 21.21 | 0.00084 | -56.57 | 14.14 | 0.00098 |
| -49.50 | 7.07 | 0.00112 | -42.43 | 0.00 | 0.00124 |
| -38.89 | -3.54 | 0.00128 | -35.36 | -7.07 | 0.00132 |
| -33.23 | -9.19 | 0.00134 | -31.82 | -10.61 | 0.00135 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -30.41 | -12.02 | 0.00136 | -28.99 | -13.44 | 0.00137 |
| -27.58 | -14.85 | 0.00138 | -14.85 | -27.58 | 0.00144 |
| -13.44 | -28.99 | 0.00144 | -12.02 | -30.41 | 0.00145 |
| -10.61 | -31.82 | 0.00145 | -9.19 | -33.23 | 0.00145 |
| -7.07 | -35.36 | 0.00146 | -3.54 | -38.89 | 0.00146 |
| 0.00 | -42.43 | 0.00146 | 7.07 | -49.50 | 0.00142 |
| 14.14 | -56.57 | 0.00133 | 21.21 | -63.64 | 0.00121 |
| 28.28 | -70.71 | 0.00107 | 35.36 | -77.78 | 0.00093 |
| 42.43 | -84.85 | 0.00081 | 49.50 | -91.92 | 0.00070 |
| -84.85 | 56.57 | 0.00044 | -77.78 | 49.50 | 0.00052 |
| -70.71 | 42.43 | 0.00062 | -63.64 | 35.36 | 0.00074 |
| -56.57 | 28.28 | 0.00089 | -49.50 | 21.21 | 0.00105 |
| -42.43 | 14.14 | 0.00123 | -35.36 | 7.07 | 0.00140 |
| -31.82 | 3.54 | 0.00147 | -28.28 | 0.00 | 0.00152 |
| -26.16 | -2.12 | 0.00155 | -24.75 | -3.54 | 0.00156 |
| -23.33 | -4.95 | 0.00158 | -21.92 | -6.36 | 0.00159 |
| -20.51 | -7.78 | 0.00160 | -7.78 | -20.51 | 0.00167 |
| -6.36 | -21.92 | 0.00168 | -4.95 | -23.33 | 0.00169 |
| -3.54 | -24.75 | 0.00169 | -2.12 | -26.16 | 0.00170 |
| 0.00 | -28.28 | 0.00170 | 3.54 | -31.82 | 0.00171 |
| 7.07 | -35.36 | 0.00169 | 14.14 | -42.43 | 0.00161 |
| 21.21 | -49.50 | 0.00147 | 28.28 | -56.57 | 0.00130 |
| 35.36 | -63.64 | 0.00113 | 42.43 | -70.71 | 0.00097 |
| 49.50 | -77.78 | 0.00083 | 56.57 | -84.85 | 0.00071 |

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

18:13:13
 **MODELOPTs:
 PAGE 52
 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 |
| -77.78 | 63.64 | 0.00044 | -70.71 | 56.57 | 0.00052 |
| -63.64 | 49.50 | 0.00062 | -56.57 | 42.43 | 0.00076 |
| -49.50 | 35.36 | 0.00092 | -42.43 | 28.28 | 0.00112 |
| -35.36 | 21.21 | 0.00134 | -28.28 | 14.14 | 0.00157 |
| -24.75 | 10.61 | 0.00167 | -21.21 | 7.07 | 0.00175 |
| -19.09 | 4.95 | 0.00179 | -17.68 | 3.54 | 0.00182 |
| -16.26 | 2.12 | 0.00184 | -14.85 | 0.71 | 0.00185 |
| -13.44 | -0.71 | 0.00187 | -0.71 | -13.44 | 0.00197 |
| 0.71 | -14.85 | 0.00198 | 2.12 | -16.26 | 0.00199 |
| 3.54 | -17.68 | 0.00200 | 4.95 | -19.09 | 0.00200 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 7.07 | -21.21 | 0.00201 | 10.61 | -24.75 | 0.00200 |
| 14.14 | -28.28 | 0.00197 | 21.21 | -35.36 | 0.00182 |
| 28.28 | -42.43 | 0.00162 | 35.36 | -49.50 | 0.00139 |
| 42.43 | -56.57 | 0.00118 | 49.50 | -63.64 | 0.00100 |
| 56.57 | -70.71 | 0.00084 | 63.64 | -77.78 | 0.00071 |
| -70.71 | 70.71 | 0.00043 | -63.64 | 63.64 | 0.00052 |
| -56.57 | 56.57 | 0.00063 | -49.50 | 49.50 | 0.00077 |
| -42.43 | 42.43 | 0.00095 | -35.36 | 35.36 | 0.00118 |
| -28.28 | 28.28 | 0.00145 | -21.21 | 21.21 | 0.00175 |
| -17.68 | 17.68 | 0.00189 | -14.14 | 14.14 | 0.00203 |
| -12.02 | 12.02 | 0.00209 | -10.61 | 10.61 | 0.00212 |
| -9.19 | 9.19 | 0.00216 | -7.78 | 7.78 | 0.00218 |
| -6.36 | 6.36 | 0.00221 | 6.36 | -6.36 | 0.00235 |
| 7.78 | -7.78 | 0.00236 | 9.19 | -9.19 | 0.00237 |
| 10.61 | -10.61 | 0.00238 | 12.02 | -12.02 | 0.00239 |
| 14.14 | -14.14 | 0.00239 | 17.68 | -17.68 | 0.00235 |
| 21.21 | -21.21 | 0.00228 | 28.28 | -28.28 | 0.00204 |
| 35.36 | -35.36 | 0.00175 | 42.43 | -42.43 | 0.00146 |
| 49.50 | -49.50 | 0.00122 | 56.57 | -56.57 | 0.00101 |
| 63.64 | -63.64 | 0.00085 | 70.71 | -70.71 | 0.00071 |
| -63.64 | 77.78 | 0.00043 | -56.57 | 70.71 | 0.00052 |
| -49.50 | 63.64 | 0.00063 | -42.43 | 56.57 | 0.00077 |
| -35.36 | 49.50 | 0.00096 | -28.28 | 42.43 | 0.00121 |
| -21.21 | 35.36 | 0.00153 | -14.14 | 28.28 | 0.00192 |
| -10.61 | 24.75 | 0.00212 | -7.07 | 21.21 | 0.00232 |
| -4.95 | 19.09 | 0.00242 | -3.54 | 17.68 | 0.00248 |
| -2.12 | 16.26 | 0.00254 | -0.71 | 14.85 | 0.00258 |
| 0.71 | 13.44 | 0.00262 | 13.44 | 0.71 | 0.00283 |
| 14.85 | -0.71 | 0.00285 | 16.26 | -2.12 | 0.00286 |
| 17.68 | -3.54 | 0.00287 | 19.09 | -4.95 | 0.00287 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 21.21 | -7.07 | 0.00284 | 24.75 | -10.61 | 0.00275 |
| 28.28 | -14.14 | 0.00260 | 35.36 | -21.21 | 0.00223 |
| 42.43 | -28.28 | 0.00185 | 49.50 | -35.36 | 0.00151 |
| 56.57 | -42.43 | 0.00124 | 63.64 | -49.50 | 0.00102 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 70.71 | -56.57 | 0.00084 | 77.78 | -63.64 | 0.00070 |
| -56.57 | 84.85 | 0.00043 | -49.50 | 77.78 | 0.00052 |
| -42.43 | 70.71 | 0.00063 | -35.36 | 63.64 | 0.00077 |
| -28.28 | 56.57 | 0.00097 | -21.21 | 49.50 | 0.00123 |
| -14.14 | 42.43 | 0.00158 | -7.07 | 35.36 | 0.00205 |
| -3.54 | 31.82 | 0.00232 | 0.00 | 28.28 | 0.00260 |
| 2.12 | 26.16 | 0.00276 | 3.54 | 24.75 | 0.00286 |
| 4.95 | 23.33 | 0.00296 | 6.36 | 21.92 | 0.00304 |
| 7.78 | 20.51 | 0.00311 | 20.51 | 7.78 | 0.00346 |
| 21.92 | 6.36 | 0.00347 | 23.33 | 4.95 | 0.00348 |
| 24.75 | 3.54 | 0.00346 | 26.16 | 2.12 | 0.00343 |
| 28.28 | 0.00 | 0.00334 | 31.82 | -3.54 | 0.00314 |
| 35.36 | -7.07 | 0.00289 | 42.43 | -14.14 | 0.00237 |
| 49.50 | -21.21 | 0.00191 | 56.57 | -28.28 | 0.00153 |
| 63.64 | -35.36 | 0.00124 | 70.71 | -42.43 | 0.00100 |
| 77.78 | -49.50 | 0.00082 | 84.85 | -56.57 | 0.00068 |
| -49.50 | 91.92 | 0.00043 | -42.43 | 84.85 | 0.00052 |
| -35.36 | 77.78 | 0.00063 | -28.28 | 70.71 | 0.00078 |
| -21.21 | 63.64 | 0.00097 | -14.14 | 56.57 | 0.00124 |
| -7.07 | 49.50 | 0.00161 | 0.00 | 42.43 | 0.00212 |
| 3.54 | 38.89 | 0.00244 | 7.07 | 35.36 | 0.00280 |
| 9.19 | 33.23 | 0.00304 | 10.61 | 31.82 | 0.00321 |
| 12.02 | 30.41 | 0.00337 | 13.44 | 28.99 | 0.00353 |
| 14.85 | 27.58 | 0.00367 | 27.58 | 14.85 | 0.00427 |
| 28.99 | 13.44 | 0.00425 | 30.41 | 12.02 | 0.00418 |
| 31.82 | 10.61 | 0.00409 | 33.23 | 9.19 | 0.00398 |
| 35.36 | 7.07 | 0.00379 | 38.89 | 3.54 | 0.00344 |
| 42.43 | 0.00 | 0.00309 | 49.50 | -7.07 | 0.00245 |
| 56.57 | -14.14 | 0.00193 | 63.64 | -21.21 | 0.00153 |
| 70.71 | -28.28 | 0.00121 | 77.78 | -35.36 | 0.00098 |
| 84.85 | -42.43 | 0.00079 | 91.92 | -49.50 | 0.00065 |
| -42.43 | 98.99 | 0.00045 | -35.36 | 91.92 | 0.00053 |
| -28.28 | 84.85 | 0.00064 | -21.21 | 77.78 | 0.00078 |
| -14.14 | 70.71 | 0.00098 | -7.07 | 63.64 | 0.00125 |
| 0.00 | 56.57 | 0.00163 | 7.07 | 49.50 | 0.00216 |
| 10.61 | 45.96 | 0.00251 | 14.14 | 42.43 | 0.00291 |

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

18:13:13
 **MODELOPTs:
 PAGE 54

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 ***

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound
 ** 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 | 0.00319 | 17.68 | 38.89 | 0.00340 |
| 19.09 | 37.48 | 0.00362 | 20.51 | 36.06 | 0.00389 |
| 21.92 | 34.65 | 0.00418 | 34.65 | 21.92 | 0.00516 |
| 36.06 | 20.51 | 0.00495 | 37.48 | 19.09 | 0.00474 |
| 38.89 | 17.68 | 0.00453 | 40.31 | 16.26 | 0.00434 |
| 42.43 | 14.14 | 0.00405 | 45.96 | 10.61 | 0.00359 |
| 49.50 | 7.07 | 0.00317 | 56.57 | 0.00 | 0.00246 |
| 63.64 | -7.07 | 0.00190 | 70.71 | -14.14 | 0.00148 |
| 77.78 | -21.21 | 0.00116 | 84.85 | -28.28 | 0.00093 |
| 91.92 | -35.36 | 0.00075 | 98.99 | -42.43 | 0.00062 |
| -35.36 | 106.07 | 0.00047 | -28.28 | 98.99 | 0.00055 |
| -21.21 | 91.92 | 0.00066 | -14.14 | 84.85 | 0.00081 |
| -7.07 | 77.78 | 0.00101 | 0.00 | 70.71 | 0.00130 |
| 7.07 | 63.64 | 0.00170 | 14.14 | 56.57 | 0.00228 |
| 17.68 | 53.03 | 0.00267 | 21.21 | 49.50 | 0.00315 |
| 23.33 | 47.38 | 0.00350 | 24.75 | 45.96 | 0.00378 |
| 26.16 | 44.55 | 0.00411 | 27.58 | 43.13 | 0.00454 |
| 28.99 | 41.72 | 0.00511 | 41.72 | 28.99 | 0.00548 |
| 43.13 | 27.58 | 0.00516 | 44.55 | 26.16 | 0.00489 |
| 45.96 | 24.75 | 0.00464 | 47.38 | 23.33 | 0.00441 |
| 49.50 | 21.21 | 0.00408 | 53.03 | 17.68 | 0.00358 |
| 56.57 | 14.14 | 0.00312 | 63.64 | 7.07 | 0.00237 |
| 70.71 | 0.00 | 0.00181 | 77.78 | -7.07 | 0.00139 |
| 84.85 | -14.14 | 0.00109 | 91.92 | -21.21 | 0.00086 |
| 98.99 | -28.28 | 0.00070 | 106.07 | -35.36 | 0.00058 |
| -28.28 | 113.14 | 0.00050 | -21.21 | 106.07 | 0.00059 |
| -14.14 | 98.99 | 0.00071 | -7.07 | 91.92 | 0.00087 |
| 0.00 | 84.85 | 0.00109 | 7.07 | 77.78 | 0.00142 |
| 14.14 | 70.71 | 0.00192 | 21.21 | 63.64 | 0.00274 |
| 24.75 | 60.10 | 0.00338 | 28.28 | 56.57 | 0.00424 |
| 30.41 | 54.45 | 0.00488 | 31.82 | 53.03 | 0.00536 |
| 33.23 | 51.62 | 0.00588 | 34.65 | 50.20 | 0.00645 |
| 36.06 | 48.79 | 0.00710 | 48.79 | 36.06 | 0.00563 |
| 50.20 | 34.65 | 0.00523 | 51.62 | 33.23 | 0.00490 |
| 53.03 | 31.82 | 0.00462 | 54.45 | 30.41 | 0.00436 |
| 56.57 | 28.28 | 0.00400 | 60.10 | 24.75 | 0.00347 |
| 63.64 | 21.21 | 0.00300 | 70.71 | 14.14 | 0.00224 |
| 77.78 | 7.07 | 0.00169 | 84.85 | 0.00 | 0.00129 |
| 91.92 | -7.07 | 0.00101 | 98.99 | -14.14 | 0.00080 |
| 106.07 | -21.21 | 0.00065 | 113.14 | -28.28 | 0.00054 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

18:13:13
 **MODELOPTS:
 PAGE 55
 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 | |
| -21.21 | 120.21 | 0.00055 | -14.14 | 113.14 | 0.00065 | |
| -7.07 | 106.07 | 0.00079 | 0.00 | 98.99 | 0.00098 | |
| 7.07 | 91.92 | 0.00126 | 14.14 | 84.85 | 0.00169 | |
| 21.21 | 77.78 | 0.00240 | 28.28 | 70.71 | 0.00357 | |
| 31.82 | 67.18 | 0.00437 | 35.36 | 63.64 | 0.00532 | |
| 37.48 | 61.52 | 0.00595 | 38.89 | 60.10 | 0.00641 | |
| 40.31 | 58.69 | 0.00689 | 41.72 | 57.28 | 0.00740 | |
| 43.13 | 55.86 | 0.00799 | 55.86 | 43.13 | 0.00574 | |
| 57.28 | 41.72 | 0.00528 | 58.69 | 40.31 | 0.00490 | |
| 60.10 | 38.89 | 0.00457 | 61.52 | 37.48 | 0.00427 | |
| 63.64 | 35.36 | 0.00387 | 67.18 | 31.82 | 0.00329 | |
| 70.71 | 28.28 | 0.00281 | 77.78 | 21.21 | 0.00206 | |
| 84.85 | 14.14 | 0.00154 | 91.92 | 7.07 | 0.00117 | |
| 98.99 | 0.00 | 0.00092 | 106.07 | -7.07 | 0.00073 | |
| 113.14 | -14.14 | 0.00060 | 120.21 | -21.21 | 0.00050 | |
| -14.14 | 127.28 | 0.00062 | -7.07 | 120.21 | 0.00075 | |
| 0.00 | 113.14 | 0.00092 | 7.07 | 106.07 | 0.00117 | |
| 14.14 | 98.99 | 0.00153 | 21.21 | 91.92 | 0.00210 | |
| 28.28 | 84.85 | 0.00298 | 35.36 | 77.78 | 0.00421 | |
| 38.89 | 74.25 | 0.00497 | 42.43 | 70.71 | 0.00586 | |
| 44.55 | 68.59 | 0.00646 | 45.96 | 67.18 | 0.00688 | |
| 47.38 | 65.76 | 0.00733 | 48.79 | 64.35 | 0.00781 | |
| 50.20 | 62.93 | 0.00835 | 62.93 | 50.20 | 0.00572 | |
| 64.35 | 48.79 | 0.00522 | 65.76 | 47.38 | 0.00480 | |
| 67.18 | 45.96 | 0.00444 | 68.59 | 44.55 | 0.00411 | |
| 70.71 | 42.43 | 0.00368 | 74.25 | 38.89 | 0.00306 | |
| 77.78 | 35.36 | 0.00256 | 84.85 | 28.28 | 0.00184 | |
| 91.92 | 21.21 | 0.00137 | 98.99 | 14.14 | 0.00105 | |
| 106.07 | 7.07 | 0.00083 | 113.14 | 0.00 | 0.00067 | |
| 120.21 | -7.07 | 0.00055 | 127.28 | -14.14 | 0.00045 | |
| -7.07 | 134.35 | 0.00071 | 0.00 | 127.28 | 0.00088 | |
| 7.07 | 120.21 | 0.00110 | 14.14 | 113.14 | 0.00142 | |
| 21.21 | 106.07 | 0.00188 | 28.28 | 98.99 | 0.00253 | |
| 35.36 | 91.92 | 0.00341 | 42.43 | 84.85 | 0.00456 | |
| 45.96 | 81.32 | 0.00526 | 49.50 | 77.78 | 0.00608 | |
| 51.62 | 75.66 | 0.00662 | 53.03 | 74.25 | 0.00701 | |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|-------|-------|---------|-------|-------|---------|
| 54.45 | 72.83 | 0.00744 | 55.86 | 71.42 | 0.00789 |
| 57.28 | 70.00 | 0.00840 | 70.00 | 57.28 | 0.00552 |
| 71.42 | 55.86 | 0.00500 | 72.83 | 54.45 | 0.00456 |
| 74.25 | 53.03 | 0.00417 | 75.66 | 51.62 | 0.00383 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 77.78 | 49.50 | 0.00338 | 81.32 | 45.96 | 0.00275 |
| 84.85 | 42.43 | 0.00227 | 91.92 | 35.36 | 0.00160 |
| 98.99 | 28.28 | 0.00119 | 106.07 | 21.21 | 0.00092 |
| 113.14 | 14.14 | 0.00073 | 120.21 | 7.07 | 0.00060 |
| 127.28 | 0.00 | 0.00049 | 134.35 | -7.07 | 0.00041 |
| 0.00 | 141.42 | 0.00084 | 7.07 | 134.35 | 0.00104 |
| 14.14 | 127.28 | 0.00132 | 21.21 | 120.21 | 0.00170 |
| 28.28 | 113.14 | 0.00221 | 35.36 | 106.07 | 0.00287 |
| 42.43 | 98.99 | 0.00369 | 49.50 | 91.92 | 0.00473 |
| 53.03 | 88.39 | 0.00537 | 56.57 | 84.85 | 0.00609 |
| 58.69 | 82.73 | 0.00658 | 60.10 | 81.32 | 0.00693 |
| 61.52 | 79.90 | 0.00732 | 62.93 | 78.49 | 0.00774 |
| 64.35 | 77.07 | 0.00822 | 77.07 | 64.35 | 0.00515 |
| 78.49 | 62.93 | 0.00460 | 79.90 | 61.52 | 0.00415 |
| 81.32 | 60.10 | 0.00375 | 82.73 | 58.69 | 0.00341 |
| 84.85 | 56.57 | 0.00296 | 88.39 | 53.03 | 0.00237 |
| 91.92 | 49.50 | 0.00194 | 98.99 | 42.43 | 0.00137 |
| 106.07 | 35.36 | 0.00103 | 113.14 | 28.28 | 0.00080 |
| 120.21 | 21.21 | 0.00064 | 127.28 | 14.14 | 0.00053 |
| 134.35 | 7.07 | 0.00044 | 141.42 | 0.00 | 0.00037 |
| 7.07 | 148.49 | 0.00098 | 14.14 | 141.42 | 0.00122 |
| 21.21 | 134.35 | 0.00154 | 28.28 | 127.28 | 0.00195 |
| 35.36 | 120.21 | 0.00247 | 42.43 | 113.14 | 0.00310 |
| 49.50 | 106.07 | 0.00388 | 56.57 | 98.99 | 0.00482 |
| 60.10 | 95.46 | 0.00536 | 63.64 | 91.92 | 0.00599 |
| 65.76 | 89.80 | 0.00641 | 67.18 | 88.39 | 0.00672 |
| 68.59 | 86.97 | 0.00704 | 70.00 | 85.56 | 0.00742 |
| 71.42 | 84.15 | 0.00786 | 84.15 | 71.42 | 0.00457 |
| 85.56 | 70.00 | 0.00401 | 86.97 | 68.59 | 0.00356 |
| 88.39 | 67.18 | 0.00318 | 89.80 | 65.76 | 0.00285 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 91.92 | 63.64 | 0.00245 | 95.46 | 60.10 | 0.00196 |
| 98.99 | 56.57 | 0.00161 | 106.07 | 49.50 | 0.00116 |
| 113.14 | 42.43 | 0.00088 | 120.21 | 35.36 | 0.00069 |
| 127.28 | 28.28 | 0.00056 | 134.35 | 21.21 | 0.00047 |
| 141.42 | 14.14 | 0.00039 | 148.49 | 7.07 | 0.00034 |
| 14.14 | 155.56 | 0.00113 | 21.21 | 148.49 | 0.00139 |
| 28.28 | 141.42 | 0.00173 | 35.36 | 134.35 | 0.00214 |
| 42.43 | 127.28 | 0.00265 | 49.50 | 120.21 | 0.00326 |
| 56.57 | 113.14 | 0.00399 | 63.64 | 106.07 | 0.00486 |
| 67.18 | 102.53 | 0.00535 | 70.71 | 98.99 | 0.00588 |

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

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 72.83 | 96.87 | 0.00621 | 74.25 | 95.46 | 0.00644 |
| 75.66 | 94.05 | 0.00670 | 77.07 | 92.63 | 0.00700 |
| 78.49 | 91.22 | 0.00736 | 91.22 | 78.49 | 0.00374 |
| 92.63 | 77.07 | 0.00322 | 94.05 | 75.66 | 0.00282 |
| 95.46 | 74.25 | 0.00251 | 96.87 | 72.83 | 0.00226 |
| 98.99 | 70.71 | 0.00196 | 102.53 | 67.18 | 0.00160 |
| 106.07 | 63.64 | 0.00134 | 113.14 | 56.57 | 0.00098 |
| 120.21 | 49.50 | 0.00076 | 127.28 | 42.43 | 0.00061 |
| 134.35 | 35.36 | 0.00049 | 141.42 | 28.28 | 0.00041 |
| 148.49 | 21.21 | 0.00035 | 155.56 | 14.14 | 0.00030 |
| 21.21 | 162.63 | 0.00126 | 28.28 | 155.56 | 0.00153 |
| 35.36 | 148.49 | 0.00187 | 42.43 | 141.42 | 0.00227 |
| 49.50 | 134.35 | 0.00276 | 56.57 | 127.28 | 0.00334 |
| 63.64 | 120.21 | 0.00405 | 70.71 | 113.14 | 0.00486 |
| 74.25 | 109.60 | 0.00531 | 77.78 | 106.07 | 0.00577 |
| 79.90 | 103.94 | 0.00605 | 81.32 | 102.53 | 0.00624 |
| 82.73 | 101.12 | 0.00644 | 84.15 | 99.70 | 0.00664 |
| 85.56 | 98.29 | 0.00687 | 98.29 | 85.56 | 0.00279 |
| 99.70 | 84.15 | 0.00245 | 101.12 | 82.73 | 0.00219 |
| 102.53 | 81.32 | 0.00198 | 103.94 | 79.90 | 0.00182 |
| 106.07 | 77.78 | 0.00161 | 109.60 | 74.25 | 0.00134 |
| 113.14 | 70.71 | 0.00114 | 120.21 | 63.64 | 0.00086 |
| 127.28 | 56.57 | 0.00067 | 134.35 | 49.50 | 0.00054 |
| 141.42 | 42.43 | 0.00045 | 148.49 | 35.36 | 0.00038 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 155.56 | 28.28 | 0.00032 | 162.63 | 21.21 | 0.00028 |
| 28.28 | 169.71 | 0.00136 | 35.36 | 162.63 | 0.00164 |
| 42.43 | 155.56 | 0.00196 | 49.50 | 148.49 | 0.00234 |
| 56.57 | 141.42 | 0.00280 | 63.64 | 134.35 | 0.00335 |
| 70.71 | 127.28 | 0.00400 | 77.78 | 120.21 | 0.00472 |
| 81.32 | 116.67 | 0.00511 | 84.85 | 113.14 | 0.00548 |
| 86.97 | 111.02 | 0.00568 | 88.39 | 109.60 | 0.00580 |
| 89.80 | 108.19 | 0.00588 | 91.22 | 106.77 | 0.00591 |
| 92.63 | 105.36 | 0.00585 | 105.36 | 92.63 | 0.00235 |
| 106.77 | 91.22 | 0.00211 | 108.19 | 89.80 | 0.00191 |
| 109.60 | 88.39 | 0.00175 | 111.02 | 86.97 | 0.00161 |
| 113.14 | 84.85 | 0.00143 | 116.67 | 81.32 | 0.00120 |
| 120.21 | 77.78 | 0.00103 | 127.28 | 70.71 | 0.00078 |
| 134.35 | 63.64 | 0.00062 | 141.42 | 56.57 | 0.00050 |
| 148.49 | 49.50 | 0.00041 | 155.56 | 42.43 | 0.00035 |
| 162.63 | 35.36 | 0.00030 | 169.71 | 28.28 | 0.00026 |

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

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 35.36 | 176.78 | 0.00144 | 42.43 | 169.71 | 0.00169 |
| 49.50 | 162.63 | 0.00200 | 56.57 | 155.56 | 0.00235 |
| 63.64 | 148.49 | 0.00276 | 70.71 | 141.42 | 0.00324 |
| 77.78 | 134.35 | 0.00374 | 84.85 | 127.28 | 0.00419 |
| 88.39 | 123.74 | 0.00430 | 91.92 | 120.21 | 0.00428 |
| 94.05 | 118.09 | 0.00418 | 95.46 | 116.67 | 0.00410 |
| 96.87 | 115.26 | 0.00399 | 98.29 | 113.84 | 0.00386 |
| 99.70 | 112.43 | 0.00371 | 112.43 | 99.70 | 0.00200 |
| 113.84 | 98.29 | 0.00185 | 115.26 | 96.87 | 0.00171 |
| 116.67 | 95.46 | 0.00158 | 118.09 | 94.05 | 0.00146 |
| 120.21 | 91.92 | 0.00131 | 123.74 | 88.39 | 0.00110 |
| 127.28 | 84.85 | 0.00094 | 134.35 | 77.78 | 0.00072 |
| 141.42 | 70.71 | 0.00057 | 148.49 | 63.64 | 0.00046 |
| 155.56 | 56.57 | 0.00038 | 162.63 | 49.50 | 0.00032 |
| 169.71 | 42.43 | 0.00028 | 176.78 | 35.36 | 0.00024 |
| 42.43 | 183.85 | 0.00147 | 49.50 | 176.78 | 0.00171 |
| 56.57 | 169.71 | 0.00198 | 63.64 | 162.63 | 0.00228 |
| 70.71 | 155.56 | 0.00261 | 77.78 | 148.49 | 0.00295 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 84.85 | 141.42 | 0.00319 | 91.92 | 134.35 | 0.00323 |
| 95.46 | 130.81 | 0.00315 | 98.99 | 127.28 | 0.00303 |
| 101.12 | 125.16 | 0.00293 | 102.53 | 123.74 | 0.00286 |
| 103.94 | 122.33 | 0.00278 | 105.36 | 120.92 | 0.00269 |
| 106.77 | 119.50 | 0.00260 | 119.50 | 106.77 | 0.00164 |
| 120.92 | 105.36 | 0.00154 | 122.33 | 103.94 | 0.00145 |
| 123.74 | 102.53 | 0.00136 | 125.16 | 101.12 | 0.00128 |
| 127.28 | 98.99 | 0.00117 | 130.81 | 95.46 | 0.00101 |
| 134.35 | 91.92 | 0.00087 | 141.42 | 84.85 | 0.00067 |
| 148.49 | 77.78 | 0.00053 | 155.56 | 70.71 | 0.00043 |
| 162.63 | 63.64 | 0.00035 | 169.71 | 56.57 | 0.00030 |
| 176.78 | 49.50 | 0.00026 | 183.85 | 42.43 | 0.00022 |
| 49.50 | 190.92 | 0.00147 | 56.57 | 183.85 | 0.00167 |
| 63.64 | 176.78 | 0.00189 | 70.71 | 169.71 | 0.00212 |
| 77.78 | 162.63 | 0.00234 | 84.85 | 155.56 | 0.00249 |
| 91.92 | 148.49 | 0.00252 | 98.99 | 141.42 | 0.00243 |
| 102.53 | 137.89 | 0.00235 | 106.07 | 134.35 | 0.00224 |
| 108.19 | 132.23 | 0.00217 | 109.60 | 130.81 | 0.00212 |
| 111.02 | 129.40 | 0.00206 | 112.43 | 127.99 | 0.00201 |
| 113.84 | 126.57 | 0.00195 | 126.57 | 113.84 | 0.00133 |
| 127.99 | 112.43 | 0.00127 | 129.40 | 111.02 | 0.00121 |
| 130.81 | 109.60 | 0.00115 | 132.23 | 108.19 | 0.00110 |

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 NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 134.35 | 106.07 | 0.00102 | 137.89 | 102.53 | 0.00090 |
| 141.42 | 98.99 | 0.00080 | 148.49 | 91.92 | 0.00062 |
| 155.56 | 84.85 | 0.00049 | 162.63 | 77.78 | 0.00040 |
| 169.71 | 70.71 | 0.00033 | 176.78 | 63.64 | 0.00028 |
| 183.85 | 56.57 | 0.00024 | 190.92 | 49.50 | 0.00021 |
| 56.57 | 197.99 | 0.00142 | 63.64 | 190.92 | 0.00159 |
| 70.71 | 183.85 | 0.00175 | 77.78 | 176.78 | 0.00189 |
| 84.85 | 169.71 | 0.00198 | 91.92 | 162.63 | 0.00201 |
| 98.99 | 155.56 | 0.00197 | 106.07 | 148.49 | 0.00188 |
| 109.60 | 144.96 | 0.00181 | 113.14 | 141.42 | 0.00173 |
| 115.26 | 139.30 | 0.00167 | 116.67 | 137.89 | 0.00164 |
| 118.09 | 136.47 | 0.00160 | 119.50 | 135.06 | 0.00157 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 120.92 | 133.64 | 0.00153 | 133.64 | 120.92 | 0.00110 |
| 135.06 | 119.50 | 0.00106 | 136.47 | 118.09 | 0.00101 |
| 137.89 | 116.67 | 0.00097 | 139.30 | 115.26 | 0.00094 |
| 141.42 | 113.14 | 0.00088 | 144.96 | 109.60 | 0.00079 |
| 148.49 | 106.07 | 0.00071 | 155.56 | 98.99 | 0.00057 |
| 162.63 | 91.92 | 0.00047 | 169.71 | 84.85 | 0.00038 |
| 176.78 | 77.78 | 0.00031 | 183.85 | 70.71 | 0.00026 |
| 190.92 | 63.64 | 0.00023 | 197.99 | 56.57 | 0.00020 |
| 63.64 | 205.06 | 0.00134 | 70.71 | 197.99 | 0.00145 |
| 77.78 | 190.92 | 0.00155 | 84.85 | 183.85 | 0.00161 |
| 91.92 | 176.78 | 0.00164 | 98.99 | 169.71 | 0.00162 |
| 106.07 | 162.63 | 0.00157 | 113.14 | 155.56 | 0.00149 |
| 116.67 | 152.03 | 0.00143 | 120.21 | 148.49 | 0.00137 |
| 122.33 | 146.37 | 0.00133 | 123.74 | 144.96 | 0.00131 |
| 125.16 | 143.54 | 0.00129 | 126.57 | 142.13 | 0.00126 |
| 127.99 | 140.71 | 0.00123 | 140.71 | 127.99 | 0.00092 |
| 142.13 | 126.57 | 0.00089 | 143.54 | 125.16 | 0.00086 |
| 144.96 | 123.74 | 0.00083 | 146.37 | 122.33 | 0.00080 |
| 148.49 | 120.21 | 0.00076 | 152.03 | 116.67 | 0.00069 |
| 155.56 | 113.14 | 0.00063 | 162.63 | 106.07 | 0.00052 |
| 169.71 | 98.99 | 0.00043 | 176.78 | 91.92 | 0.00036 |
| 183.85 | 84.85 | 0.00030 | 190.92 | 77.78 | 0.00025 |
| 197.99 | 70.71 | 0.00022 | 205.06 | 63.64 | 0.00019 |
| 70.71 | 212.13 | 0.00122 | 77.78 | 205.06 | 0.00129 |
| 84.85 | 197.99 | 0.00134 | 91.92 | 190.92 | 0.00136 |
| 98.99 | 183.85 | 0.00135 | 106.07 | 176.78 | 0.00133 |
| 113.14 | 169.71 | 0.00128 | 120.21 | 162.63 | 0.00120 |
| 123.74 | 159.10 | 0.00116 | 127.28 | 155.56 | 0.00112 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 129.40 | 153.44 | 0.00109 | 130.81 | 152.03 | 0.00107 |
| 132.23 | 150.61 | 0.00106 | 133.64 | 149.20 | 0.00104 |
| 135.06 | 147.79 | 0.00102 | 147.79 | 135.06 | 0.00078 |
| 149.20 | 133.64 | 0.00076 | 150.61 | 132.23 | 0.00073 |
| 152.03 | 130.81 | 0.00071 | 153.44 | 129.40 | 0.00069 |
| 155.56 | 127.28 | 0.00066 | 159.10 | 123.74 | 0.00061 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 162.63 | 120.21 | 0.00056 | 169.71 | 113.14 | 0.00047 |
| 176.78 | 106.07 | 0.00040 | 183.85 | 98.99 | 0.00034 |
| 190.92 | 91.92 | 0.00029 | 197.99 | 84.85 | 0.00024 |
| 205.06 | 77.78 | 0.00021 | 212.13 | 70.71 | 0.00018 |
| 77.78 | 219.20 | 0.00109 | 84.85 | 212.13 | 0.00112 |
| 91.92 | 205.06 | 0.00114 | 98.99 | 197.99 | 0.00114 |
| 106.07 | 190.92 | 0.00113 | 113.14 | 183.85 | 0.00110 |
| 120.21 | 176.78 | 0.00106 | 127.28 | 169.71 | 0.00099 |
| 130.81 | 166.17 | 0.00096 | 134.35 | 162.63 | 0.00093 |
| 136.47 | 160.51 | 0.00091 | 137.89 | 159.10 | 0.00090 |
| 139.30 | 157.68 | 0.00088 | 140.71 | 156.27 | 0.00087 |
| 142.13 | 154.86 | 0.00085 | 154.86 | 142.13 | 0.00067 |
| 156.27 | 140.71 | 0.00065 | 157.68 | 139.30 | 0.00063 |
| 159.10 | 137.89 | 0.00061 | 160.51 | 136.47 | 0.00060 |
| 162.63 | 134.35 | 0.00057 | 166.17 | 130.81 | 0.00053 |
| 169.71 | 127.28 | 0.00050 | 176.78 | 120.21 | 0.00043 |
| 183.85 | 113.14 | 0.00037 | 190.92 | 106.07 | 0.00031 |
| 197.99 | 98.99 | 0.00027 | 205.06 | 91.92 | 0.00023 |
| 212.13 | 84.85 | 0.00020 | 219.20 | 77.78 | 0.00017 |
| 84.85 | 226.27 | 0.00096 | 91.92 | 219.20 | 0.00097 |
| 98.99 | 212.13 | 0.00098 | 106.07 | 205.06 | 0.00097 |
| 113.14 | 197.99 | 0.00096 | 120.21 | 190.92 | 0.00093 |
| 127.28 | 183.85 | 0.00089 | 134.35 | 176.78 | 0.00083 |
| 137.89 | 173.24 | 0.00081 | 141.42 | 169.71 | 0.00079 |
| 143.54 | 167.58 | 0.00077 | 144.96 | 166.17 | 0.00076 |
| 146.37 | 164.76 | 0.00075 | 147.79 | 163.34 | 0.00074 |
| 149.20 | 161.93 | 0.00072 | 161.93 | 149.20 | 0.00058 |
| 163.34 | 147.79 | 0.00057 | 164.76 | 146.37 | 0.00055 |
| 166.17 | 144.96 | 0.00054 | 167.58 | 143.54 | 0.00052 |
| 169.71 | 141.42 | 0.00050 | 173.24 | 137.89 | 0.00047 |
| 176.78 | 134.35 | 0.00044 | 183.85 | 127.28 | 0.00039 |
| 190.92 | 120.21 | 0.00034 | 197.99 | 113.14 | 0.00029 |
| 205.06 | 106.07 | 0.00025 | 212.13 | 98.99 | 0.00022 |
| 219.20 | 91.92 | 0.00019 | 226.27 | 84.85 | 0.00017 |

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

04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 91.92 | 233.35 | 0.00084 | 98.99 | 226.27 | 0.00084 |
| 106.07 | 219.20 | 0.00084 | 113.14 | 212.13 | 0.00084 |
| 120.21 | 205.06 | 0.00082 | 127.28 | 197.99 | 0.00079 |
| 134.35 | 190.92 | 0.00075 | 141.42 | 183.85 | 0.00071 |
| 144.96 | 180.31 | 0.00069 | 148.49 | 176.78 | 0.00067 |
| 150.61 | 174.66 | 0.00066 | 152.03 | 173.24 | 0.00065 |
| 153.44 | 171.83 | 0.00064 | 154.86 | 170.41 | 0.00063 |
| 156.27 | 169.00 | 0.00062 | 169.00 | 156.27 | 0.00051 |
| 170.41 | 154.86 | 0.00050 | 171.83 | 153.44 | 0.00048 |
| 173.24 | 152.03 | 0.00047 | 174.66 | 150.61 | 0.00046 |
| 176.78 | 148.49 | 0.00044 | 180.31 | 144.96 | 0.00042 |
| 183.85 | 141.42 | 0.00040 | 190.92 | 134.35 | 0.00035 |
| 197.99 | 127.28 | 0.00031 | 205.06 | 120.21 | 0.00027 |
| 212.13 | 113.14 | 0.00024 | 219.20 | 106.07 | 0.00021 |
| 226.27 | 98.99 | 0.00018 | 233.35 | 91.92 | 0.00016 |
| 98.99 | 240.42 | 0.00074 | 106.07 | 233.35 | 0.00074 |
| 113.14 | 226.27 | 0.00074 | 120.21 | 219.20 | 0.00073 |
| 127.28 | 212.13 | 0.00071 | 134.35 | 205.06 | 0.00068 |
| 141.42 | 197.99 | 0.00065 | 148.49 | 190.92 | 0.00062 |
| 152.03 | 187.38 | 0.00060 | 155.56 | 183.85 | 0.00058 |
| 157.68 | 181.73 | 0.00057 | 159.10 | 180.31 | 0.00057 |
| 160.51 | 178.90 | 0.00056 | 161.93 | 177.48 | 0.00055 |
| 163.34 | 176.07 | 0.00054 | 176.07 | 163.34 | 0.00045 |
| 177.48 | 161.93 | 0.00044 | 178.90 | 160.51 | 0.00043 |
| 180.31 | 159.10 | 0.00042 | 181.73 | 157.68 | 0.00041 |
| 183.85 | 155.56 | 0.00040 | 187.38 | 152.03 | 0.00038 |
| 190.92 | 148.49 | 0.00036 | 197.99 | 141.42 | 0.00032 |
| 205.06 | 134.35 | 0.00028 | 212.13 | 127.28 | 0.00025 |
| 219.20 | 120.21 | 0.00022 | 226.27 | 113.14 | 0.00020 |
| 233.35 | 106.07 | 0.00017 | 240.42 | 98.99 | 0.00016 |
| 106.07 | 247.49 | 0.00065 | 113.14 | 240.42 | 0.00065 |
| 120.21 | 233.35 | 0.00065 | 127.28 | 226.27 | 0.00063 |
| 134.35 | 219.20 | 0.00061 | 141.42 | 212.13 | 0.00059 |
| 148.49 | 205.06 | 0.00056 | 155.56 | 197.99 | 0.00054 |
| 159.10 | 194.45 | 0.00053 | 162.63 | 190.92 | 0.00051 |
| 164.76 | 188.80 | 0.00050 | 166.17 | 187.38 | 0.00050 |
| 167.58 | 185.97 | 0.00049 | 169.00 | 184.55 | 0.00048 |
| 170.41 | 183.14 | 0.00048 | 183.14 | 170.41 | 0.00040 |
| 184.55 | 169.00 | 0.00039 | 185.97 | 167.58 | 0.00038 |
| 187.38 | 166.17 | 0.00037 | 188.80 | 164.76 | 0.00037 |

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

18:13:13
 **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 | |
| 190.92 | 162.63 | 0.00035 | 194.45 | 159.10 | 0.00034 | |
| 197.99 | 155.56 | 0.00032 | 205.06 | 148.49 | 0.00029 | |
| 212.13 | 141.42 | 0.00026 | 219.20 | 134.35 | 0.00023 | |
| 226.27 | 127.28 | 0.00021 | 233.35 | 120.21 | 0.00019 | |
| 240.42 | 113.14 | 0.00017 | 247.49 | 106.07 | 0.00015 | |

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

18:13:13
 **MODELOPTs:
 PAGE 63
 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 | |
| -247.49 | -106.07 | 0.00028 | -240.42 | -113.14 | 0.00030 | |
| -233.35 | -120.21 | 0.00031 | -226.27 | -127.28 | 0.00032 | |
| -219.20 | -134.35 | 0.00033 | -212.13 | -141.42 | 0.00034 | |
| -205.06 | -148.49 | 0.00035 | -197.99 | -155.56 | 0.00036 | |
| -194.45 | -159.10 | 0.00036 | -190.92 | -162.63 | 0.00036 | |
| -188.80 | -164.76 | 0.00036 | -187.38 | -166.17 | 0.00036 | |
| -185.97 | -167.58 | 0.00036 | -184.55 | -169.00 | 0.00037 | |
| -183.14 | -170.41 | 0.00037 | -170.41 | -183.14 | 0.00037 | |
| -169.00 | -184.55 | 0.00037 | -167.58 | -185.97 | 0.00037 | |
| -166.17 | -187.38 | 0.00037 | -164.76 | -188.80 | 0.00037 | |
| -162.63 | -190.92 | 0.00038 | -159.10 | -194.45 | 0.00038 | |
| -155.56 | -197.99 | 0.00038 | -148.49 | -205.06 | 0.00038 | |
| -141.42 | -212.13 | 0.00038 | -134.35 | -219.20 | 0.00038 | |
| -127.28 | -226.27 | 0.00038 | -120.21 | -233.35 | 0.00038 | |
| -113.14 | -240.42 | 0.00037 | -106.07 | -247.49 | 0.00037 | |
| -240.42 | -98.99 | 0.00029 | -233.35 | -106.07 | 0.00031 | |
| -226.27 | -113.14 | 0.00033 | -219.20 | -120.21 | 0.00034 | |
| -212.13 | -127.28 | 0.00036 | -205.06 | -134.35 | 0.00037 | |
| -197.99 | -141.42 | 0.00038 | -190.92 | -148.49 | 0.00038 | |
| -187.38 | -152.03 | 0.00039 | -183.85 | -155.56 | 0.00039 | |
| -181.73 | -157.68 | 0.00039 | -180.31 | -159.10 | 0.00039 | |
| -178.90 | -160.51 | 0.00039 | -177.48 | -161.93 | 0.00039 | |
| -176.07 | -163.34 | 0.00039 | -163.34 | -176.07 | 0.00040 | |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -161.93 | -177.48 | 0.00040 | -160.51 | -178.90 | 0.00040 |
| -159.10 | -180.31 | 0.00040 | -157.68 | -181.73 | 0.00040 |
| -155.56 | -183.85 | 0.00041 | -152.03 | -187.38 | 0.00041 |
| -148.49 | -190.92 | 0.00041 | -141.42 | -197.99 | 0.00041 |
| -134.35 | -205.06 | 0.00041 | -127.28 | -212.13 | 0.00041 |
| -120.21 | -219.20 | 0.00041 | -113.14 | -226.27 | 0.00041 |
| -106.07 | -233.35 | 0.00040 | -98.99 | -240.42 | 0.00039 |
| -233.35 | -91.92 | 0.00030 | -226.27 | -99.00 | 0.00033 |
| -219.20 | -106.07 | 0.00035 | -212.13 | -113.14 | 0.00037 |
| -205.06 | -120.21 | 0.00038 | -197.99 | -127.28 | 0.00039 |
| -190.92 | -134.35 | 0.00040 | -183.85 | -141.42 | 0.00041 |
| -180.31 | -144.96 | 0.00042 | -176.78 | -148.49 | 0.00042 |
| -174.66 | -150.61 | 0.00042 | -173.24 | -152.03 | 0.00042 |
| -171.83 | -153.44 | 0.00042 | -170.41 | -154.86 | 0.00043 |
| -169.00 | -156.27 | 0.00043 | -156.27 | -169.00 | 0.00043 |
| -154.86 | -170.41 | 0.00044 | -153.44 | -171.83 | 0.00044 |
| -152.03 | -173.24 | 0.00044 | -150.61 | -174.66 | 0.00044 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -148.49 | -176.78 | 0.00044 | -144.96 | -180.31 | 0.00044 |
| -141.42 | -183.85 | 0.00044 | -134.35 | -190.92 | 0.00044 |
| -127.28 | -197.99 | 0.00044 | -120.21 | -205.06 | 0.00044 |
| -113.14 | -212.13 | 0.00044 | -106.07 | -219.20 | 0.00044 |
| -98.99 | -226.27 | 0.00043 | -91.92 | -233.35 | 0.00041 |
| -226.27 | -84.85 | 0.00032 | -219.20 | -91.92 | 0.00034 |
| -212.13 | -99.00 | 0.00037 | -205.06 | -106.07 | 0.00039 |
| -197.99 | -113.14 | 0.00041 | -190.92 | -120.21 | 0.00043 |
| -183.85 | -127.28 | 0.00044 | -176.78 | -134.35 | 0.00045 |
| -173.24 | -137.89 | 0.00045 | -169.71 | -141.42 | 0.00046 |
| -167.58 | -143.54 | 0.00046 | -166.17 | -144.96 | 0.00046 |
| -164.76 | -146.37 | 0.00046 | -163.34 | -147.79 | 0.00046 |
| -161.93 | -149.20 | 0.00046 | -149.20 | -161.93 | 0.00047 |
| -147.79 | -163.34 | 0.00047 | -146.37 | -164.76 | 0.00047 |
| -144.96 | -166.17 | 0.00047 | -143.54 | -167.58 | 0.00048 |
| -141.42 | -169.71 | 0.00048 | -137.89 | -173.24 | 0.00048 |
| -134.35 | -176.78 | 0.00048 | -127.28 | -183.85 | 0.00048 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -120.21 | -190.92 | 0.00048 | -113.14 | -197.99 | 0.00048 |
| -106.07 | -205.06 | 0.00048 | -98.99 | -212.13 | 0.00047 |
| -91.92 | -219.20 | 0.00046 | -84.85 | -226.27 | 0.00044 |
| -219.20 | -77.78 | 0.00033 | -212.13 | -84.85 | 0.00036 |
| -205.06 | -91.92 | 0.00039 | -197.99 | -99.00 | 0.00042 |
| -190.92 | -106.07 | 0.00044 | -183.85 | -113.14 | 0.00046 |
| -176.78 | -120.21 | 0.00047 | -169.71 | -127.28 | 0.00049 |
| -166.17 | -130.81 | 0.00049 | -162.63 | -134.35 | 0.00050 |
| -160.51 | -136.47 | 0.00050 | -159.10 | -137.89 | 0.00050 |
| -157.68 | -139.30 | 0.00050 | -156.27 | -140.71 | 0.00050 |
| -154.86 | -142.13 | 0.00050 | -142.13 | -154.86 | 0.00051 |
| -140.71 | -156.27 | 0.00052 | -139.30 | -157.68 | 0.00052 |
| -137.89 | -159.10 | 0.00052 | -136.47 | -160.51 | 0.00052 |
| -134.35 | -162.63 | 0.00052 | -130.81 | -166.17 | 0.00052 |
| -127.28 | -169.71 | 0.00052 | -120.21 | -176.78 | 0.00052 |
| -113.14 | -183.85 | 0.00053 | -106.07 | -190.92 | 0.00052 |
| -98.99 | -197.99 | 0.00052 | -91.92 | -205.06 | 0.00051 |
| -84.85 | -212.13 | 0.00049 | -77.78 | -219.20 | 0.00047 |
| -212.13 | -70.71 | 0.00035 | -205.06 | -77.78 | 0.00038 |
| -197.99 | -84.85 | 0.00042 | -190.92 | -91.92 | 0.00045 |
| -183.85 | -98.99 | 0.00048 | -176.78 | -106.07 | 0.00050 |
| -169.71 | -113.14 | 0.00052 | -162.63 | -120.21 | 0.00053 |
| -159.10 | -123.74 | 0.00054 | -155.56 | -127.28 | 0.00054 |

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

18:13:13
 **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 | 0.00054 | -152.03 | -130.81 | 0.00055 |
| -150.61 | -132.23 | 0.00055 | -149.20 | -133.64 | 0.00055 |
| -147.79 | -135.06 | 0.00055 | -135.06 | -147.79 | 0.00056 |
| -133.64 | -149.20 | 0.00056 | -132.23 | -150.61 | 0.00057 |
| -130.81 | -152.03 | 0.00057 | -129.40 | -153.44 | 0.00057 |
| -127.28 | -155.56 | 0.00057 | -123.74 | -159.10 | 0.00057 |
| -120.21 | -162.63 | 0.00057 | -113.14 | -169.71 | 0.00057 |
| -106.07 | -176.78 | 0.00058 | -98.99 | -183.85 | 0.00057 |
| -91.92 | -190.92 | 0.00056 | -84.85 | -197.99 | 0.00055 |
| -77.78 | -205.06 | 0.00052 | -70.71 | -212.13 | 0.00049 |
| -205.06 | -63.64 | 0.00036 | -197.99 | -70.71 | 0.00040 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -190.92 | -77.78 | 0.00044 | -183.85 | -84.85 | 0.00048 |
| -176.78 | -91.92 | 0.00051 | -169.71 | -98.99 | 0.00054 |
| -162.63 | -106.07 | 0.00056 | -155.56 | -113.14 | 0.00058 |
| -152.03 | -116.67 | 0.00059 | -148.49 | -120.21 | 0.00059 |
| -146.37 | -122.33 | 0.00060 | -144.96 | -123.74 | 0.00060 |
| -143.54 | -125.16 | 0.00060 | -142.13 | -126.57 | 0.00060 |
| -140.71 | -127.99 | 0.00061 | -127.99 | -140.71 | 0.00062 |
| -126.57 | -142.13 | 0.00062 | -125.16 | -143.54 | 0.00062 |
| -123.74 | -144.96 | 0.00062 | -122.33 | -146.37 | 0.00062 |
| -120.21 | -148.49 | 0.00063 | -116.67 | -152.03 | 0.00063 |
| -113.14 | -155.56 | 0.00063 | -106.07 | -162.63 | 0.00063 |
| -98.99 | -169.71 | 0.00063 | -91.92 | -176.78 | 0.00063 |
| -84.85 | -183.85 | 0.00061 | -77.78 | -190.92 | 0.00059 |
| -70.71 | -197.99 | 0.00056 | -63.64 | -205.06 | 0.00052 |
| -197.99 | -56.57 | 0.00038 | -190.92 | -63.64 | 0.00042 |
| -183.85 | -70.71 | 0.00046 | -176.78 | -77.78 | 0.00051 |
| -169.71 | -84.85 | 0.00055 | -162.63 | -91.92 | 0.00059 |
| -155.56 | -98.99 | 0.00062 | -148.49 | -106.07 | 0.00064 |
| -144.96 | -109.60 | 0.00065 | -141.42 | -113.14 | 0.00065 |
| -139.30 | -115.26 | 0.00066 | -137.89 | -116.67 | 0.00066 |
| -136.47 | -118.09 | 0.00066 | -135.06 | -119.50 | 0.00067 |
| -133.64 | -120.92 | 0.00067 | -120.92 | -133.64 | 0.00069 |
| -119.50 | -135.06 | 0.00069 | -118.09 | -136.47 | 0.00069 |
| -116.67 | -137.89 | 0.00069 | -115.26 | -139.30 | 0.00069 |
| -113.14 | -141.42 | 0.00069 | -109.60 | -144.96 | 0.00069 |
| -106.07 | -148.49 | 0.00070 | -98.99 | -155.56 | 0.00070 |
| -91.92 | -162.63 | 0.00070 | -84.85 | -169.71 | 0.00069 |
| -77.78 | -176.78 | 0.00067 | -70.71 | -183.85 | 0.00064 |
| -63.64 | -190.92 | 0.00060 | -56.57 | -197.99 | 0.00055 |

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

18:13:13
 **MODELOPTS:
 PAGE 66
 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -190.92 | -49.50 | 0.00039 | -183.85 | -56.57 | 0.00044 |
| -176.78 | -63.64 | 0.00049 | -169.71 | -70.71 | 0.00054 |
| -162.63 | -77.78 | 0.00060 | -155.56 | -84.85 | 0.00064 |
| -148.49 | -91.92 | 0.00068 | -141.42 | -98.99 | 0.00070 |
| -137.89 | -102.53 | 0.00072 | -134.35 | -106.07 | 0.00072 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -132.23 | -108.19 | 0.00073 | -130.81 | -109.60 | 0.00073 |
| -129.40 | -111.02 | 0.00074 | -127.99 | -112.43 | 0.00074 |
| -126.57 | -113.84 | 0.00074 | -113.84 | -126.57 | 0.00076 |
| -112.43 | -127.99 | 0.00076 | -111.02 | -129.40 | 0.00077 |
| -109.60 | -130.81 | 0.00077 | -108.19 | -132.23 | 0.00077 |
| -106.07 | -134.35 | 0.00077 | -102.53 | -137.89 | 0.00077 |
| -98.99 | -141.42 | 0.00077 | -91.92 | -148.49 | 0.00078 |
| -84.85 | -155.56 | 0.00077 | -77.78 | -162.63 | 0.00076 |
| -70.71 | -169.71 | 0.00073 | -63.64 | -176.78 | 0.00068 |
| -56.57 | -183.85 | 0.00063 | -49.50 | -190.92 | 0.00058 |
| -183.85 | -42.43 | 0.00041 | -176.78 | -49.50 | 0.00046 |
| -169.71 | -56.57 | 0.00051 | -162.63 | -63.64 | 0.00058 |
| -155.56 | -70.71 | 0.00064 | -148.49 | -77.78 | 0.00070 |
| -141.42 | -84.85 | 0.00075 | -134.35 | -91.92 | 0.00078 |
| -130.81 | -95.46 | 0.00080 | -127.28 | -98.99 | 0.00081 |
| -125.16 | -101.12 | 0.00081 | -123.74 | -102.53 | 0.00082 |
| -122.33 | -103.94 | 0.00082 | -120.92 | -105.36 | 0.00082 |
| -119.50 | -106.77 | 0.00083 | -106.77 | -119.50 | 0.00085 |
| -105.36 | -120.92 | 0.00085 | -103.94 | -122.33 | 0.00086 |
| -102.53 | -123.74 | 0.00086 | -101.12 | -125.16 | 0.00086 |
| -98.99 | -127.28 | 0.00086 | -95.46 | -130.81 | 0.00086 |
| -91.92 | -134.35 | 0.00087 | -84.85 | -141.42 | 0.00087 |
| -77.78 | -148.49 | 0.00086 | -70.71 | -155.56 | 0.00083 |
| -63.64 | -162.63 | 0.00079 | -56.57 | -169.71 | 0.00073 |
| -49.50 | -176.78 | 0.00067 | -42.43 | -183.85 | 0.00061 |
| -176.78 | -35.36 | 0.00042 | -169.71 | -42.43 | 0.00048 |
| -162.63 | -49.50 | 0.00054 | -155.56 | -56.57 | 0.00061 |
| -148.49 | -63.64 | 0.00069 | -141.42 | -70.71 | 0.00076 |
| -134.35 | -77.78 | 0.00083 | -127.28 | -84.85 | 0.00087 |
| -123.74 | -88.39 | 0.00089 | -120.21 | -91.92 | 0.00090 |
| -118.09 | -94.05 | 0.00091 | -116.67 | -95.46 | 0.00092 |
| -115.26 | -96.87 | 0.00092 | -113.84 | -98.29 | 0.00093 |
| -112.43 | -99.70 | 0.00093 | -99.70 | -112.43 | 0.00096 |
| -98.29 | -113.84 | 0.00096 | -96.87 | -115.26 | 0.00096 |
| -95.46 | -116.67 | 0.00097 | -94.05 | -118.09 | 0.00097 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 **

| 14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound | | | | | | |
|--|-------------|---------|-------------|-------------|---------|--|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC | |
| -91.92 | -120.21 | 0.00097 | -88.39 | -123.74 | 0.00097 | |
| -84.85 | -127.28 | 0.00098 | -77.78 | -134.35 | 0.00098 | |
| -70.71 | -141.42 | 0.00096 | -63.64 | -148.49 | 0.00092 | |
| -56.57 | -155.56 | 0.00086 | -49.50 | -162.63 | 0.00079 | |
| -42.43 | -169.71 | 0.00071 | -35.36 | -176.78 | 0.00064 | |
| -169.71 | -28.28 | 0.00043 | -162.63 | -35.36 | 0.00049 | |
| -155.56 | -42.43 | 0.00057 | -148.49 | -49.50 | 0.00065 | |
| -141.42 | -56.57 | 0.00074 | -134.35 | -63.64 | 0.00083 | |
| -127.28 | -70.71 | 0.00091 | -120.21 | -77.78 | 0.00098 | |
| -116.67 | -81.32 | 0.00100 | -113.14 | -84.85 | 0.00102 | |
| -111.02 | -86.97 | 0.00103 | -109.60 | -88.39 | 0.00104 | |
| -108.19 | -89.80 | 0.00104 | -106.77 | -91.22 | 0.00105 | |
| -105.36 | -92.63 | 0.00105 | -92.63 | -105.36 | 0.00109 | |
| -91.22 | -106.77 | 0.00109 | -89.80 | -108.19 | 0.00109 | |
| -88.39 | -109.60 | 0.00110 | -86.97 | -111.02 | 0.00110 | |
| -84.85 | -113.14 | 0.00110 | -81.32 | -116.67 | 0.00111 | |
| -77.78 | -120.21 | 0.00111 | -70.71 | -127.28 | 0.00110 | |
| -63.64 | -134.35 | 0.00107 | -56.57 | -141.42 | 0.00101 | |
| -49.50 | -148.49 | 0.00093 | -42.43 | -155.56 | 0.00084 | |
| -35.36 | -162.63 | 0.00075 | -28.28 | -169.71 | 0.00066 | |
| -162.63 | -21.21 | 0.00043 | -155.56 | -28.28 | 0.00051 | |
| -148.49 | -35.36 | 0.00059 | -141.42 | -42.43 | 0.00069 | |
| -134.35 | -49.50 | 0.00079 | -127.28 | -56.57 | 0.00090 | |
| -120.21 | -63.64 | 0.00101 | -113.14 | -70.71 | 0.00110 | |
| -109.60 | -74.25 | 0.00113 | -106.07 | -77.78 | 0.00116 | |
| -103.94 | -79.90 | 0.00117 | -102.53 | -81.32 | 0.00118 | |
| -101.12 | -82.73 | 0.00119 | -99.70 | -84.15 | 0.00119 | |
| -98.29 | -85.56 | 0.00120 | -85.56 | -98.29 | 0.00124 | |
| -84.15 | -99.70 | 0.00125 | -82.73 | -101.12 | 0.00125 | |
| -81.32 | -102.53 | 0.00125 | -79.90 | -103.94 | 0.00126 | |
| -77.78 | -106.07 | 0.00126 | -74.25 | -109.60 | 0.00127 | |
| -70.71 | -113.14 | 0.00127 | -63.64 | -120.21 | 0.00125 | |
| -56.57 | -127.28 | 0.00119 | -49.50 | -134.35 | 0.00110 | |
| -42.43 | -141.42 | 0.00100 | -35.36 | -148.49 | 0.00089 | |
| -28.28 | -155.56 | 0.00078 | -21.21 | -162.63 | 0.00068 | |
| -155.56 | -14.14 | 0.00044 | -148.49 | -21.21 | 0.00051 | |
| -141.42 | -28.28 | 0.00061 | -134.35 | -35.36 | 0.00072 | |
| -127.28 | -42.43 | 0.00084 | -120.21 | -49.50 | 0.00098 | |
| -113.14 | -56.57 | 0.00112 | -106.07 | -63.64 | 0.00124 | |
| -102.53 | -67.18 | 0.00128 | -98.99 | -70.71 | 0.00132 | |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -96.87 | -72.83 | 0.00134 | -95.46 | -74.25 | 0.00135 |
| -94.05 | -75.66 | 0.00136 | -92.63 | -77.07 | 0.00137 |
| -91.22 | -78.49 | 0.00138 | -78.49 | -91.22 | 0.00144 |
| -77.07 | -92.63 | 0.00144 | -75.66 | -94.05 | 0.00145 |
| -74.25 | -95.46 | 0.00145 | -72.83 | -96.87 | 0.00145 |
| -70.71 | -98.99 | 0.00146 | -67.18 | -102.53 | 0.00146 |
| -63.64 | -106.07 | 0.00146 | -56.57 | -113.14 | 0.00142 |
| -49.50 | -120.21 | 0.00133 | -42.43 | -127.28 | 0.00121 |
| -35.36 | -134.35 | 0.00107 | -28.28 | -141.42 | 0.00093 |
| -21.21 | -148.49 | 0.00081 | -14.14 | -155.56 | 0.00070 |
| -148.49 | -7.07 | 0.00044 | -141.42 | -14.14 | 0.00052 |
| -134.35 | -21.21 | 0.00062 | -127.28 | -28.28 | 0.00074 |
| -120.21 | -35.36 | 0.00089 | -113.14 | -42.43 | 0.00105 |
| -106.07 | -49.50 | 0.00123 | -98.99 | -56.57 | 0.00140 |
| -95.46 | -60.10 | 0.00147 | -91.92 | -63.64 | 0.00152 |
| -89.80 | -65.76 | 0.00155 | -88.39 | -67.18 | 0.00156 |
| -86.97 | -68.59 | 0.00158 | -85.56 | -70.00 | 0.00159 |
| -84.15 | -71.42 | 0.00160 | -71.42 | -84.15 | 0.00167 |
| -70.00 | -85.56 | 0.00168 | -68.59 | -86.97 | 0.00169 |
| -67.18 | -88.39 | 0.00169 | -65.76 | -89.80 | 0.00170 |
| -63.64 | -91.92 | 0.00170 | -60.10 | -95.46 | 0.00171 |
| -56.57 | -98.99 | 0.00169 | -49.50 | -106.07 | 0.00161 |
| -42.43 | -113.14 | 0.00147 | -35.36 | -120.21 | 0.00130 |
| -28.28 | -127.28 | 0.00113 | -21.21 | -134.35 | 0.00097 |
| -14.14 | -141.42 | 0.00083 | -7.07 | -148.49 | 0.00071 |
| -141.42 | 0.00 | 0.00044 | -134.35 | -7.07 | 0.00052 |
| -127.28 | -14.14 | 0.00062 | -120.21 | -21.21 | 0.00076 |
| -113.14 | -28.28 | 0.00092 | -106.07 | -35.36 | 0.00112 |
| -98.99 | -42.43 | 0.00134 | -91.92 | -49.50 | 0.00157 |
| -88.39 | -53.03 | 0.00167 | -84.85 | -56.57 | 0.00175 |
| -82.73 | -58.69 | 0.00179 | -81.32 | -60.10 | 0.00182 |
| -79.90 | -61.52 | 0.00184 | -78.49 | -62.93 | 0.00185 |
| -77.07 | -64.35 | 0.00187 | -64.35 | -77.07 | 0.00197 |
| -62.93 | -78.49 | 0.00198 | -61.52 | -79.90 | 0.00199 |
| -60.10 | -81.32 | 0.00200 | -58.69 | -82.73 | 0.00200 |
| -56.57 | -84.85 | 0.00201 | -53.03 | -88.39 | 0.00200 |
| -49.50 | -91.92 | 0.00197 | -42.43 | -98.99 | 0.00182 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|---------|---------|--------|---------|---------|
| -35.36 | -106.07 | 0.00162 | -28.28 | -113.14 | 0.00139 |
| -21.21 | -120.21 | 0.00118 | -14.14 | -127.28 | 0.00100 |
| -7.07 | -134.35 | 0.00084 | 0.00 | -141.42 | 0.00071 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -134.35 | 7.07 | 0.00043 | -127.28 | 0.00 | 0.00052 |
| -120.21 | -7.07 | 0.00063 | -113.14 | -14.14 | 0.00077 |
| -106.07 | -21.21 | 0.00095 | -98.99 | -28.28 | 0.00118 |
| -91.92 | -35.36 | 0.00145 | -84.85 | -42.43 | 0.00175 |
| -81.32 | -45.96 | 0.00189 | -77.78 | -49.50 | 0.00203 |
| -75.66 | -51.62 | 0.00209 | -74.25 | -53.03 | 0.00212 |
| -72.83 | -54.45 | 0.00216 | -71.42 | -55.86 | 0.00218 |
| -70.00 | -57.28 | 0.00221 | -57.28 | -70.00 | 0.00235 |
| -55.86 | -71.42 | 0.00236 | -54.45 | -72.83 | 0.00237 |
| -53.03 | -74.25 | 0.00238 | -51.62 | -75.66 | 0.00239 |
| -49.50 | -77.78 | 0.00239 | -45.96 | -81.32 | 0.00235 |
| -42.43 | -84.85 | 0.00228 | -35.36 | -91.92 | 0.00204 |
| -28.28 | -98.99 | 0.00175 | -21.21 | -106.07 | 0.00146 |
| -14.14 | -113.14 | 0.00122 | -7.07 | -120.21 | 0.00101 |
| 0.00 | -127.28 | 0.00085 | 7.07 | -134.35 | 0.00071 |
| -127.28 | 14.14 | 0.00043 | -120.21 | 7.07 | 0.00052 |
| -113.14 | 0.00 | 0.00063 | -106.07 | -7.07 | 0.00077 |
| -98.99 | -14.14 | 0.00096 | -91.92 | -21.21 | 0.00121 |
| -84.85 | -28.28 | 0.00153 | -77.78 | -35.36 | 0.00192 |
| -74.25 | -38.89 | 0.00212 | -70.71 | -42.43 | 0.00232 |
| -68.59 | -44.55 | 0.00242 | -67.18 | -45.96 | 0.00248 |
| -65.76 | -47.38 | 0.00254 | -64.35 | -48.79 | 0.00258 |
| -62.93 | -50.20 | 0.00262 | -50.20 | -62.93 | 0.00283 |
| -48.79 | -64.35 | 0.00285 | -47.38 | -65.76 | 0.00286 |
| -45.96 | -67.18 | 0.00287 | -44.55 | -68.59 | 0.00287 |
| -42.43 | -70.71 | 0.00284 | -38.89 | -74.25 | 0.00275 |
| -35.36 | -77.78 | 0.00260 | -28.28 | -84.85 | 0.00223 |
| -21.21 | -91.92 | 0.00185 | -14.14 | -98.99 | 0.00151 |
| -7.07 | -106.07 | 0.00124 | 0.00 | -113.14 | 0.00102 |
| 7.07 | -120.21 | 0.00084 | 14.14 | -127.28 | 0.00070 |
| -120.21 | 21.21 | 0.00043 | -113.14 | 14.14 | 0.00052 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|--------|---------|--------|--------|---------|
| -106.07 | 7.07 | 0.00063 | -98.99 | 0.00 | 0.00077 |
| -91.92 | -7.07 | 0.00097 | -84.85 | -14.14 | 0.00123 |
| -77.78 | -21.21 | 0.00158 | -70.71 | -28.28 | 0.00205 |
| -67.18 | -31.82 | 0.00232 | -63.64 | -35.36 | 0.00260 |
| -61.52 | -37.48 | 0.00276 | -60.10 | -38.89 | 0.00286 |
| -58.69 | -40.31 | 0.00296 | -57.28 | -41.72 | 0.00304 |
| -55.86 | -43.13 | 0.00311 | -43.13 | -55.86 | 0.00346 |
| -41.72 | -57.28 | 0.00347 | -40.31 | -58.69 | 0.00348 |
| -38.89 | -60.10 | 0.00346 | -37.48 | -61.52 | 0.00343 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -35.36 | -63.64 | 0.00334 | -31.82 | -67.18 | 0.00314 |
| -28.28 | -70.71 | 0.00289 | -21.21 | -77.78 | 0.00237 |
| -14.14 | -84.85 | 0.00191 | -7.07 | -91.92 | 0.00153 |
| 0.00 | -98.99 | 0.00124 | 7.07 | -106.07 | 0.00100 |
| 14.14 | -113.14 | 0.00082 | 21.21 | -120.21 | 0.00068 |
| -113.14 | 28.28 | 0.00043 | -106.07 | 21.21 | 0.00052 |
| -98.99 | 14.14 | 0.00063 | -91.92 | 7.07 | 0.00078 |
| -84.85 | 0.00 | 0.00097 | -77.78 | -7.07 | 0.00124 |
| -70.71 | -14.14 | 0.00161 | -63.64 | -21.21 | 0.00212 |
| -60.10 | -24.75 | 0.00244 | -56.57 | -28.28 | 0.00280 |
| -54.45 | -30.41 | 0.00304 | -53.03 | -31.82 | 0.00321 |
| -51.62 | -33.23 | 0.00337 | -50.20 | -34.65 | 0.00353 |
| -48.79 | -36.06 | 0.00367 | -36.06 | -48.79 | 0.00427 |
| -34.65 | -50.20 | 0.00425 | -33.23 | -51.62 | 0.00418 |
| -31.82 | -53.03 | 0.00409 | -30.41 | -54.45 | 0.00398 |
| -28.28 | -56.57 | 0.00379 | -24.75 | -60.10 | 0.00344 |
| -21.21 | -63.64 | 0.00309 | -14.14 | -70.71 | 0.00245 |
| -7.07 | -77.78 | 0.00193 | 0.00 | -84.85 | 0.00153 |
| 7.07 | -91.92 | 0.00121 | 14.14 | -98.99 | 0.00098 |
| 21.21 | -106.07 | 0.00079 | 28.28 | -113.14 | 0.00065 |
| -106.07 | 35.36 | 0.00045 | -98.99 | 28.28 | 0.00053 |
| -91.92 | 21.21 | 0.00064 | -84.85 | 14.14 | 0.00078 |
| -77.78 | 7.07 | 0.00098 | -70.71 | 0.00 | 0.00125 |
| -63.64 | -7.07 | 0.00163 | -56.57 | -14.14 | 0.00216 |
| -53.03 | -17.68 | 0.00251 | -49.50 | -21.21 | 0.00291 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -47.38 | -23.33 | 0.00319 | -45.96 | -24.75 | 0.00340 |
| -44.55 | -26.16 | 0.00362 | -43.13 | -27.58 | 0.00389 |
| -41.72 | -28.99 | 0.00418 | -28.99 | -41.72 | 0.00516 |
| -27.58 | -43.13 | 0.00495 | -26.16 | -44.55 | 0.00474 |
| -24.75 | -45.96 | 0.00453 | -23.33 | -47.38 | 0.00434 |
| -21.21 | -49.50 | 0.00405 | -17.68 | -53.03 | 0.00359 |
| -14.14 | -56.57 | 0.00317 | -7.07 | -63.64 | 0.00246 |
| 0.00 | -70.71 | 0.00190 | 7.07 | -77.78 | 0.00148 |
| 14.14 | -84.85 | 0.00116 | 21.21 | -91.92 | 0.00093 |
| 28.28 | -98.99 | 0.00075 | 35.36 | -106.07 | 0.00062 |
| -98.99 | 42.43 | 0.00047 | -91.92 | 35.36 | 0.00055 |
| -84.85 | 28.28 | 0.00066 | -77.78 | 21.21 | 0.00081 |
| -70.71 | 14.14 | 0.00101 | -63.64 | 7.07 | 0.00130 |
| -56.57 | 0.00 | 0.00170 | -49.50 | -7.07 | 0.00228 |
| -45.96 | -10.61 | 0.00267 | -42.43 | -14.14 | 0.00315 |

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

*** Maximum train overlap at NE/SW 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 | 0.00350 | -38.89 | -17.68 | 0.00378 |
| -37.48 | -19.09 | 0.00411 | -36.06 | -20.51 | 0.00454 |
| -34.65 | -21.92 | 0.00511 | -21.92 | -34.65 | 0.00548 |
| -20.51 | -36.06 | 0.00516 | -19.09 | -37.48 | 0.00489 |
| -17.68 | -38.89 | 0.00464 | -16.26 | -40.31 | 0.00441 |
| -14.14 | -42.43 | 0.00408 | -10.61 | -45.96 | 0.00358 |
| -7.07 | -49.50 | 0.00312 | 0.00 | -56.57 | 0.00237 |
| 7.07 | -63.64 | 0.00181 | 14.14 | -70.71 | 0.00139 |
| 21.21 | -77.78 | 0.00109 | 28.28 | -84.85 | 0.00086 |
| 35.36 | -91.92 | 0.00070 | 42.43 | -98.99 | 0.00058 |
| -91.92 | 49.50 | 0.00050 | -84.85 | 42.43 | 0.00059 |
| -77.78 | 35.36 | 0.00071 | -70.71 | 28.28 | 0.00087 |
| -63.64 | 21.21 | 0.00109 | -56.57 | 14.14 | 0.00142 |
| -49.50 | 7.07 | 0.00192 | -42.43 | 0.00 | 0.00274 |
| -38.89 | -3.54 | 0.00338 | -35.36 | -7.07 | 0.00424 |
| -33.23 | -9.19 | 0.00488 | -31.82 | -10.61 | 0.00536 |
| -30.41 | -12.02 | 0.00588 | -28.99 | -13.44 | 0.00645 |
| -27.58 | -14.85 | 0.00710 | -14.85 | -27.58 | 0.00563 |
| -13.44 | -28.99 | 0.00523 | -12.02 | -30.41 | 0.00490 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -10.61 | -31.82 | 0.00462 | -9.19 | -33.23 | 0.00436 |
| -7.07 | -35.36 | 0.00400 | -3.54 | -38.89 | 0.00347 |
| 0.00 | -42.43 | 0.00300 | 7.07 | -49.50 | 0.00224 |
| 14.14 | -56.57 | 0.00169 | 21.21 | -63.64 | 0.00129 |
| 28.28 | -70.71 | 0.00101 | 35.36 | -77.78 | 0.00080 |
| 42.43 | -84.85 | 0.00065 | 49.50 | -91.92 | 0.00054 |
| -84.85 | 56.57 | 0.00055 | -77.78 | 49.50 | 0.00065 |
| -70.71 | 42.43 | 0.00079 | -63.64 | 35.36 | 0.00098 |
| -56.57 | 28.28 | 0.00126 | -49.50 | 21.21 | 0.00169 |
| -42.43 | 14.14 | 0.00240 | -35.36 | 7.07 | 0.00357 |
| -31.82 | 3.54 | 0.00437 | -28.28 | 0.00 | 0.00532 |
| -26.16 | -2.12 | 0.00595 | -24.75 | -3.54 | 0.00641 |
| -23.33 | -4.95 | 0.00689 | -21.92 | -6.36 | 0.00740 |
| -20.51 | -7.78 | 0.00799 | -7.78 | -20.51 | 0.00574 |
| -6.36 | -21.92 | 0.00528 | -4.95 | -23.33 | 0.00490 |
| -3.54 | -24.75 | 0.00457 | -2.12 | -26.16 | 0.00427 |
| 0.00 | -28.28 | 0.00387 | 3.54 | -31.82 | 0.00329 |
| 7.07 | -35.36 | 0.00281 | 14.14 | -42.43 | 0.00206 |
| 21.21 | -49.50 | 0.00154 | 28.28 | -56.57 | 0.00117 |
| 35.36 | -63.64 | 0.00092 | 42.43 | -70.71 | 0.00073 |
| 49.50 | -77.78 | 0.00060 | 56.57 | -84.85 | 0.00050 |

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

18:13:13
 **MODELOPTs:
 PAGE 72
 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 |
| -77.78 | 63.64 | 0.00062 | -70.71 | 56.57 | 0.00075 |
| -63.64 | 49.50 | 0.00092 | -56.57 | 42.43 | 0.00117 |
| -49.50 | 35.36 | 0.00153 | -42.43 | 28.28 | 0.00210 |
| -35.36 | 21.21 | 0.00298 | -28.28 | 14.14 | 0.00421 |
| -24.75 | 10.61 | 0.00497 | -21.21 | 7.07 | 0.00586 |
| -19.09 | 4.95 | 0.00646 | -17.68 | 3.54 | 0.00688 |
| -16.26 | 2.12 | 0.00733 | -14.85 | 0.71 | 0.00781 |
| -13.44 | -0.71 | 0.00835 | -0.71 | -13.44 | 0.00572 |
| 0.71 | -14.85 | 0.00522 | 2.12 | -16.26 | 0.00480 |
| 3.54 | -17.68 | 0.00444 | 4.95 | -19.09 | 0.00411 |
| 7.07 | -21.21 | 0.00368 | 10.61 | -24.75 | 0.00306 |
| 14.14 | -28.28 | 0.00256 | 21.21 | -35.36 | 0.00184 |
| 28.28 | -42.43 | 0.00137 | 35.36 | -49.50 | 0.00105 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 42.43 | -56.57 | 0.00083 | 49.50 | -63.64 | 0.00067 |
| 56.57 | -70.71 | 0.00055 | 63.64 | -77.78 | 0.00045 |
| -70.71 | 70.71 | 0.00071 | -63.64 | 63.64 | 0.00088 |
| -56.57 | 56.57 | 0.00110 | -49.50 | 49.50 | 0.00142 |
| -42.43 | 42.43 | 0.00188 | -35.36 | 35.36 | 0.00253 |
| -28.28 | 28.28 | 0.00341 | -21.21 | 21.21 | 0.00456 |
| -17.68 | 17.68 | 0.00526 | -14.14 | 14.14 | 0.00608 |
| -12.02 | 12.02 | 0.00662 | -10.61 | 10.61 | 0.00701 |
| -9.19 | 9.19 | 0.00744 | -7.78 | 7.78 | 0.00789 |
| -6.36 | 6.36 | 0.00840 | 6.36 | -6.36 | 0.00552 |
| 7.78 | -7.78 | 0.00500 | 9.19 | -9.19 | 0.00456 |
| 10.61 | -10.61 | 0.00417 | 12.02 | -12.02 | 0.00383 |
| 14.14 | -14.14 | 0.00338 | 17.68 | -17.68 | 0.00275 |
| 21.21 | -21.21 | 0.00227 | 28.28 | -28.28 | 0.00160 |
| 35.36 | -35.36 | 0.00119 | 42.43 | -42.43 | 0.00092 |
| 49.50 | -49.50 | 0.00073 | 56.57 | -56.57 | 0.00060 |
| 63.64 | -63.64 | 0.00049 | 70.71 | -70.71 | 0.00041 |
| -63.64 | 77.78 | 0.00084 | -56.57 | 70.71 | 0.00104 |
| -49.50 | 63.64 | 0.00132 | -42.43 | 56.57 | 0.00170 |
| -35.36 | 49.50 | 0.00221 | -28.28 | 42.43 | 0.00287 |
| -21.21 | 35.36 | 0.00369 | -14.14 | 28.28 | 0.00473 |
| -10.61 | 24.75 | 0.00537 | -7.07 | 21.21 | 0.00609 |
| -4.95 | 19.09 | 0.00658 | -3.54 | 17.68 | 0.00693 |
| -2.12 | 16.26 | 0.00732 | -0.71 | 14.85 | 0.00774 |
| 0.71 | 13.44 | 0.00822 | 13.44 | 0.71 | 0.00515 |
| 14.85 | -0.71 | 0.00460 | 16.26 | -2.12 | 0.00415 |
| 17.68 | -3.54 | 0.00375 | 19.09 | -4.95 | 0.00341 |

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

18:13:13
 **MODELOPTs:
 PAGE 73
 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 21.21 | -7.07 | 0.00296 | 24.75 | -10.61 | 0.00237 |
| 28.28 | -14.14 | 0.00194 | 35.36 | -21.21 | 0.00137 |
| 42.43 | -28.28 | 0.00103 | 49.50 | -35.36 | 0.00080 |
| 56.57 | -42.43 | 0.00064 | 63.64 | -49.50 | 0.00053 |
| 70.71 | -56.57 | 0.00044 | 77.78 | -63.64 | 0.00037 |
| -56.57 | 84.85 | 0.00098 | -49.50 | 77.78 | 0.00122 |
| -42.43 | 70.71 | 0.00154 | -35.36 | 63.64 | 0.00195 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -28.28 | 56.57 | 0.00247 | -21.21 | 49.50 | 0.00310 |
| -14.14 | 42.43 | 0.00388 | -7.07 | 35.36 | 0.00482 |
| -3.54 | 31.82 | 0.00536 | 0.00 | 28.28 | 0.00599 |
| 2.12 | 26.16 | 0.00641 | 3.54 | 24.75 | 0.00672 |
| 4.95 | 23.33 | 0.00704 | 6.36 | 21.92 | 0.00742 |
| 7.78 | 20.51 | 0.00786 | 20.51 | 7.78 | 0.00457 |
| 21.92 | 6.36 | 0.00401 | 23.33 | 4.95 | 0.00356 |
| 24.75 | 3.54 | 0.00318 | 26.16 | 2.12 | 0.00285 |
| 28.28 | 0.00 | 0.00245 | 31.82 | -3.54 | 0.00196 |
| 35.36 | -7.07 | 0.00161 | 42.43 | -14.14 | 0.00116 |
| 49.50 | -21.21 | 0.00088 | 56.57 | -28.28 | 0.00069 |
| 63.64 | -35.36 | 0.00056 | 70.71 | -42.43 | 0.00047 |
| 77.78 | -49.50 | 0.00039 | 84.85 | -56.57 | 0.00034 |
| -49.50 | 91.92 | 0.00113 | -42.43 | 84.85 | 0.00139 |
| -35.36 | 77.78 | 0.00173 | -28.28 | 70.71 | 0.00214 |
| -21.21 | 63.64 | 0.00265 | -14.14 | 56.57 | 0.00326 |
| -7.07 | 49.50 | 0.00399 | 0.00 | 42.43 | 0.00486 |
| 3.54 | 38.89 | 0.00535 | 7.07 | 35.36 | 0.00588 |
| 9.19 | 33.23 | 0.00621 | 10.61 | 31.82 | 0.00644 |
| 12.02 | 30.41 | 0.00670 | 13.44 | 28.99 | 0.00700 |
| 14.85 | 27.58 | 0.00736 | 27.58 | 14.85 | 0.00374 |
| 28.99 | 13.44 | 0.00322 | 30.41 | 12.02 | 0.00282 |
| 31.82 | 10.61 | 0.00251 | 33.23 | 9.19 | 0.00226 |
| 35.36 | 7.07 | 0.00196 | 38.89 | 3.54 | 0.00160 |
| 42.43 | 0.00 | 0.00134 | 49.50 | -7.07 | 0.00098 |
| 56.57 | -14.14 | 0.00076 | 63.64 | -21.21 | 0.00061 |
| 70.71 | -28.28 | 0.00049 | 77.78 | -35.36 | 0.00041 |
| 84.85 | -42.43 | 0.00035 | 91.92 | -49.50 | 0.00030 |
| -42.43 | 98.99 | 0.00126 | -35.36 | 91.92 | 0.00153 |
| -28.28 | 84.85 | 0.00187 | -21.21 | 77.78 | 0.00227 |
| -14.14 | 70.71 | 0.00276 | -7.07 | 63.64 | 0.00334 |
| 0.00 | 56.57 | 0.00405 | 7.07 | 49.50 | 0.00486 |
| 10.61 | 45.96 | 0.00531 | 14.14 | 42.43 | 0.00577 |

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

18:13:13
 **MODELOPTs:
 PAGE 74
 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 | 0.00605 | 17.68 | 38.89 | 0.00624 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 19.09 | 37.48 | 0.00644 | 20.51 | 36.06 | 0.00664 |
| 21.92 | 34.65 | 0.00687 | 34.65 | 21.92 | 0.00279 |
| 36.06 | 20.51 | 0.00245 | 37.48 | 19.09 | 0.00219 |
| 38.89 | 17.68 | 0.00198 | 40.31 | 16.26 | 0.00182 |
| 42.43 | 14.14 | 0.00161 | 45.96 | 10.61 | 0.00134 |
| 49.50 | 7.07 | 0.00114 | 56.57 | 0.00 | 0.00086 |
| 63.64 | -7.07 | 0.00067 | 70.71 | -14.14 | 0.00054 |
| 77.78 | -21.21 | 0.00045 | 84.85 | -28.28 | 0.00038 |
| 91.92 | -35.36 | 0.00032 | 98.99 | -42.43 | 0.00028 |
| -35.36 | 106.07 | 0.00136 | -28.28 | 98.99 | 0.00164 |
| -21.21 | 91.92 | 0.00196 | -14.14 | 84.85 | 0.00234 |
| -7.07 | 77.78 | 0.00280 | 0.00 | 70.71 | 0.00335 |
| 7.07 | 63.64 | 0.00400 | 14.14 | 56.57 | 0.00472 |
| 17.68 | 53.03 | 0.00511 | 21.21 | 49.50 | 0.00548 |
| 23.33 | 47.38 | 0.00568 | 24.75 | 45.96 | 0.00580 |
| 26.16 | 44.55 | 0.00588 | 27.58 | 43.13 | 0.00591 |
| 28.99 | 41.72 | 0.00585 | 41.72 | 28.99 | 0.00235 |
| 43.13 | 27.58 | 0.00211 | 44.55 | 26.16 | 0.00191 |
| 45.96 | 24.75 | 0.00175 | 47.38 | 23.33 | 0.00161 |
| 49.50 | 21.21 | 0.00143 | 53.03 | 17.68 | 0.00120 |
| 56.57 | 14.14 | 0.00103 | 63.64 | 7.07 | 0.00078 |
| 70.71 | 0.00 | 0.00062 | 77.78 | -7.07 | 0.00050 |
| 84.85 | -14.14 | 0.00041 | 91.92 | -21.21 | 0.00035 |
| 98.99 | -28.28 | 0.00030 | 106.07 | -35.36 | 0.00026 |
| -28.28 | 113.14 | 0.00144 | -21.21 | 106.07 | 0.00169 |
| -14.14 | 98.99 | 0.00200 | -7.07 | 91.92 | 0.00235 |
| 0.00 | 84.85 | 0.00276 | 7.07 | 77.78 | 0.00324 |
| 14.14 | 70.71 | 0.00374 | 21.21 | 63.64 | 0.00419 |
| 24.75 | 60.10 | 0.00430 | 28.28 | 56.57 | 0.00428 |
| 30.41 | 54.45 | 0.00418 | 31.82 | 53.03 | 0.00410 |
| 33.23 | 51.62 | 0.00399 | 34.65 | 50.20 | 0.00386 |
| 36.06 | 48.79 | 0.00371 | 48.79 | 36.06 | 0.00200 |
| 50.20 | 34.65 | 0.00185 | 51.62 | 33.23 | 0.00171 |
| 53.03 | 31.82 | 0.00158 | 54.45 | 30.41 | 0.00146 |
| 56.57 | 28.28 | 0.00131 | 60.10 | 24.75 | 0.00110 |
| 63.64 | 21.21 | 0.00094 | 70.71 | 14.14 | 0.00072 |
| 77.78 | 7.07 | 0.00057 | 84.85 | 0.00 | 0.00046 |
| 91.92 | -7.07 | 0.00038 | 98.99 | -14.14 | 0.00032 |
| 106.07 | -21.21 | 0.00028 | 113.14 | -28.28 | 0.00024 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13
 **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 |
| -21.21 | 120.21 | 0.00147 | -14.14 | 113.14 | 0.00171 |
| -7.07 | 106.07 | 0.00198 | 0.00 | 98.99 | 0.00228 |
| 7.07 | 91.92 | 0.00261 | 14.14 | 84.85 | 0.00295 |
| 21.21 | 77.78 | 0.00319 | 28.28 | 70.71 | 0.00323 |
| 31.82 | 67.18 | 0.00315 | 35.36 | 63.64 | 0.00302 |
| 37.48 | 61.52 | 0.00293 | 38.89 | 60.10 | 0.00286 |
| 40.31 | 58.69 | 0.00278 | 41.72 | 57.28 | 0.00269 |
| 43.13 | 55.86 | 0.00260 | 55.86 | 43.13 | 0.00164 |
| 57.28 | 41.72 | 0.00154 | 58.69 | 40.31 | 0.00145 |
| 60.10 | 38.89 | 0.00136 | 61.52 | 37.48 | 0.00128 |
| 63.64 | 35.36 | 0.00117 | 67.18 | 31.82 | 0.00101 |
| 70.71 | 28.28 | 0.00087 | 77.78 | 21.21 | 0.00067 |
| 84.85 | 14.14 | 0.00053 | 91.92 | 7.07 | 0.00043 |
| 98.99 | 0.00 | 0.00035 | 106.07 | -7.07 | 0.00030 |
| 113.14 | -14.14 | 0.00026 | 120.21 | -21.21 | 0.00022 |
| -14.14 | 127.28 | 0.00147 | -7.07 | 120.21 | 0.00167 |
| 0.00 | 113.14 | 0.00189 | 7.07 | 106.07 | 0.00212 |
| 14.14 | 98.99 | 0.00234 | 21.21 | 91.92 | 0.00249 |
| 28.28 | 84.85 | 0.00252 | 35.36 | 77.78 | 0.00242 |
| 38.89 | 74.25 | 0.00235 | 42.43 | 70.71 | 0.00224 |
| 44.55 | 68.59 | 0.00217 | 45.96 | 67.18 | 0.00212 |
| 47.38 | 65.76 | 0.00206 | 48.79 | 64.35 | 0.00201 |
| 50.20 | 62.93 | 0.00195 | 62.93 | 50.20 | 0.00133 |
| 64.35 | 48.79 | 0.00127 | 65.76 | 47.38 | 0.00121 |
| 67.18 | 45.96 | 0.00115 | 68.59 | 44.55 | 0.00110 |
| 70.71 | 42.43 | 0.00102 | 74.25 | 38.89 | 0.00090 |
| 77.78 | 35.36 | 0.00080 | 84.85 | 28.28 | 0.00062 |
| 91.92 | 21.21 | 0.00049 | 98.99 | 14.14 | 0.00040 |
| 106.07 | 7.07 | 0.00033 | 113.14 | 0.00 | 0.00028 |
| 120.21 | -7.07 | 0.00024 | 127.28 | -14.14 | 0.00021 |
| -7.07 | 134.35 | 0.00142 | 0.00 | 127.28 | 0.00159 |
| 7.07 | 120.21 | 0.00175 | 14.14 | 113.14 | 0.00189 |
| 21.21 | 106.07 | 0.00198 | 28.28 | 98.99 | 0.00201 |
| 35.36 | 91.92 | 0.00197 | 42.43 | 84.85 | 0.00188 |
| 45.96 | 81.32 | 0.00181 | 49.50 | 77.78 | 0.00173 |
| 51.62 | 75.66 | 0.00167 | 53.03 | 74.25 | 0.00164 |
| 54.45 | 72.83 | 0.00160 | 55.86 | 71.42 | 0.00157 |
| 57.28 | 70.00 | 0.00153 | 70.00 | 57.28 | 0.00110 |
| 71.42 | 55.86 | 0.00106 | 72.83 | 54.45 | 0.00101 |

74.25 53.03 0.00097 75.66 51.62 0.00094

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

18:13:13

**MODELOPTs:
 PAGE 76

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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 77.78 | 49.50 | 0.00088 | 81.32 | 45.96 | 0.00079 |
| 84.85 | 42.43 | 0.00071 | 91.92 | 35.36 | 0.00057 |
| 98.99 | 28.28 | 0.00047 | 106.07 | 21.21 | 0.00038 |
| 113.14 | 14.14 | 0.00031 | 120.21 | 7.07 | 0.00026 |
| 127.28 | 0.00 | 0.00023 | 134.35 | -7.07 | 0.00020 |
| 0.00 | 141.42 | 0.00134 | 7.07 | 134.35 | 0.00145 |
| 14.14 | 127.28 | 0.00155 | 21.21 | 120.21 | 0.00161 |
| 28.28 | 113.14 | 0.00164 | 35.36 | 106.07 | 0.00162 |
| 42.43 | 98.99 | 0.00157 | 49.50 | 91.92 | 0.00149 |
| 53.03 | 88.39 | 0.00143 | 56.57 | 84.85 | 0.00137 |
| 58.69 | 82.73 | 0.00133 | 60.10 | 81.32 | 0.00131 |
| 61.52 | 79.90 | 0.00129 | 62.93 | 78.49 | 0.00126 |
| 64.35 | 77.07 | 0.00123 | 77.07 | 64.35 | 0.00092 |
| 78.49 | 62.93 | 0.00089 | 79.90 | 61.52 | 0.00086 |
| 81.32 | 60.10 | 0.00083 | 82.73 | 58.69 | 0.00080 |
| 84.85 | 56.57 | 0.00076 | 88.39 | 53.03 | 0.00069 |
| 91.92 | 49.50 | 0.00063 | 98.99 | 42.43 | 0.00052 |
| 106.07 | 35.36 | 0.00043 | 113.14 | 28.28 | 0.00036 |
| 120.21 | 21.21 | 0.00030 | 127.28 | 14.14 | 0.00025 |
| 134.35 | 7.07 | 0.00022 | 141.42 | 0.00 | 0.00019 |
| 7.07 | 148.49 | 0.00122 | 14.14 | 141.42 | 0.00129 |
| 21.21 | 134.35 | 0.00134 | 28.28 | 127.28 | 0.00136 |
| 35.36 | 120.21 | 0.00135 | 42.43 | 113.14 | 0.00133 |
| 49.50 | 106.07 | 0.00128 | 56.57 | 98.99 | 0.00120 |
| 60.10 | 95.46 | 0.00116 | 63.64 | 91.92 | 0.00112 |
| 65.76 | 89.80 | 0.00109 | 67.18 | 88.39 | 0.00107 |
| 68.59 | 86.97 | 0.00106 | 70.00 | 85.56 | 0.00104 |
| 71.42 | 84.15 | 0.00102 | 84.15 | 71.42 | 0.00078 |
| 85.56 | 70.00 | 0.00076 | 86.97 | 68.59 | 0.00073 |
| 88.39 | 67.18 | 0.00071 | 89.80 | 65.76 | 0.00069 |
| 91.92 | 63.64 | 0.00066 | 95.46 | 60.10 | 0.00061 |
| 98.99 | 56.57 | 0.00056 | 106.07 | 49.50 | 0.00047 |
| 113.14 | 42.43 | 0.00040 | 120.21 | 35.36 | 0.00034 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 127.28 | 28.28 | 0.00029 | 134.35 | 21.21 | 0.00024 |
| 141.42 | 14.14 | 0.00021 | 148.49 | 7.07 | 0.00018 |
| 14.14 | 155.56 | 0.00109 | 21.21 | 148.49 | 0.00112 |
| 28.28 | 141.42 | 0.00114 | 35.36 | 134.35 | 0.00114 |
| 42.43 | 127.28 | 0.00113 | 49.50 | 120.21 | 0.00110 |
| 56.57 | 113.14 | 0.00106 | 63.64 | 106.07 | 0.00099 |
| 67.18 | 102.53 | 0.00096 | 70.71 | 98.99 | 0.00093 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 72.83 | 96.87 | 0.00091 | 74.25 | 95.46 | 0.00090 |
| 75.66 | 94.05 | 0.00088 | 77.07 | 92.63 | 0.00087 |
| 78.49 | 91.22 | 0.00085 | 91.22 | 78.49 | 0.00067 |
| 92.63 | 77.07 | 0.00065 | 94.05 | 75.66 | 0.00063 |
| 95.46 | 74.25 | 0.00061 | 96.87 | 72.83 | 0.00060 |
| 98.99 | 70.71 | 0.00057 | 102.53 | 67.18 | 0.00053 |
| 106.07 | 63.64 | 0.00050 | 113.14 | 56.57 | 0.00043 |
| 120.21 | 49.50 | 0.00037 | 127.28 | 42.43 | 0.00031 |
| 134.35 | 35.36 | 0.00027 | 141.42 | 28.28 | 0.00023 |
| 148.49 | 21.21 | 0.00020 | 155.56 | 14.14 | 0.00017 |
| 21.21 | 162.63 | 0.00096 | 28.28 | 155.56 | 0.00097 |
| 35.36 | 148.49 | 0.00098 | 42.43 | 141.42 | 0.00097 |
| 49.50 | 134.35 | 0.00096 | 56.57 | 127.28 | 0.00093 |
| 63.64 | 120.21 | 0.00089 | 70.71 | 113.14 | 0.00083 |
| 74.25 | 109.60 | 0.00081 | 77.78 | 106.07 | 0.00079 |
| 79.90 | 103.94 | 0.00077 | 81.32 | 102.53 | 0.00076 |
| 82.73 | 101.12 | 0.00075 | 84.15 | 99.70 | 0.00074 |
| 85.56 | 98.29 | 0.00072 | 98.29 | 85.56 | 0.00058 |
| 99.70 | 84.15 | 0.00057 | 101.12 | 82.73 | 0.00055 |
| 102.53 | 81.32 | 0.00054 | 103.94 | 79.90 | 0.00052 |
| 106.07 | 77.78 | 0.00050 | 109.60 | 74.25 | 0.00047 |
| 113.14 | 70.71 | 0.00044 | 120.21 | 63.64 | 0.00039 |
| 127.28 | 56.57 | 0.00034 | 134.35 | 49.50 | 0.00029 |
| 141.42 | 42.43 | 0.00025 | 148.49 | 35.36 | 0.00022 |
| 155.56 | 28.28 | 0.00019 | 162.63 | 21.21 | 0.00017 |
| 28.28 | 169.71 | 0.00084 | 35.36 | 162.63 | 0.00084 |
| 42.43 | 155.56 | 0.00084 | 49.50 | 148.49 | 0.00084 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 56.57 | 141.42 | 0.00082 | 63.64 | 134.35 | 0.00079 |
| 70.71 | 127.28 | 0.00075 | 77.78 | 120.21 | 0.00071 |
| 81.32 | 116.67 | 0.00069 | 84.85 | 113.14 | 0.00067 |
| 86.97 | 111.02 | 0.00066 | 88.39 | 109.60 | 0.00065 |
| 89.80 | 108.19 | 0.00064 | 91.22 | 106.77 | 0.00063 |
| 92.63 | 105.36 | 0.00062 | 105.36 | 92.63 | 0.00051 |
| 106.77 | 91.22 | 0.00050 | 108.19 | 89.80 | 0.00048 |
| 109.60 | 88.39 | 0.00047 | 111.02 | 86.97 | 0.00046 |
| 113.14 | 84.85 | 0.00044 | 116.67 | 81.32 | 0.00042 |
| 120.21 | 77.78 | 0.00040 | 127.28 | 70.71 | 0.00035 |
| 134.35 | 63.64 | 0.00031 | 141.42 | 56.57 | 0.00027 |
| 148.49 | 49.50 | 0.00024 | 155.56 | 42.43 | 0.00021 |
| 162.63 | 35.36 | 0.00018 | 169.71 | 28.28 | 0.00016 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 35.36 | 176.78 | 0.00074 | 42.43 | 169.71 | 0.00074 |
| 49.50 | 162.63 | 0.00074 | 56.57 | 155.56 | 0.00073 |
| 63.64 | 148.49 | 0.00071 | 70.71 | 141.42 | 0.00068 |
| 77.78 | 134.35 | 0.00065 | 84.85 | 127.28 | 0.00062 |
| 88.39 | 123.74 | 0.00060 | 91.92 | 120.21 | 0.00058 |
| 94.05 | 118.09 | 0.00057 | 95.46 | 116.67 | 0.00057 |
| 96.87 | 115.26 | 0.00056 | 98.29 | 113.84 | 0.00055 |
| 99.70 | 112.43 | 0.00054 | 112.43 | 99.70 | 0.00045 |
| 113.84 | 98.29 | 0.00044 | 115.26 | 96.87 | 0.00043 |
| 116.67 | 95.46 | 0.00042 | 118.09 | 94.05 | 0.00041 |
| 120.21 | 91.92 | 0.00040 | 123.74 | 88.39 | 0.00038 |
| 127.28 | 84.85 | 0.00036 | 134.35 | 77.78 | 0.00032 |
| 141.42 | 70.71 | 0.00028 | 148.49 | 63.64 | 0.00025 |
| 155.56 | 56.57 | 0.00022 | 162.63 | 49.50 | 0.00020 |
| 169.71 | 42.43 | 0.00017 | 176.78 | 35.36 | 0.00016 |
| 42.43 | 183.85 | 0.00065 | 49.50 | 176.78 | 0.00065 |
| 56.57 | 169.71 | 0.00065 | 63.64 | 162.63 | 0.00063 |
| 70.71 | 155.56 | 0.00061 | 77.78 | 148.49 | 0.00059 |
| 84.85 | 141.42 | 0.00056 | 91.92 | 134.35 | 0.00054 |
| 95.46 | 130.81 | 0.00053 | 98.99 | 127.28 | 0.00051 |
| 101.12 | 125.16 | 0.00050 | 102.53 | 123.74 | 0.00050 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 103.94 | 122.33 | 0.00049 | 105.36 | 120.92 | 0.00048 |
| 106.77 | 119.50 | 0.00048 | 119.50 | 106.77 | 0.00040 |
| 120.92 | 105.36 | 0.00039 | 122.33 | 103.94 | 0.00038 |
| 123.74 | 102.53 | 0.00037 | 125.16 | 101.12 | 0.00037 |
| 127.28 | 98.99 | 0.00035 | 130.81 | 95.46 | 0.00034 |
| 134.35 | 91.92 | 0.00032 | 141.42 | 84.85 | 0.00029 |
| 148.49 | 77.78 | 0.00026 | 155.56 | 70.71 | 0.00023 |
| 162.63 | 63.64 | 0.00021 | 169.71 | 56.57 | 0.00019 |
| 176.78 | 49.50 | 0.00017 | 183.85 | 42.43 | 0.00015 |
| 49.50 | 190.92 | 0.00058 | 56.57 | 183.85 | 0.00058 |
| 63.64 | 176.78 | 0.00057 | 70.71 | 169.71 | 0.00056 |
| 77.78 | 162.63 | 0.00054 | 84.85 | 155.56 | 0.00052 |
| 91.92 | 148.49 | 0.00049 | 98.99 | 141.42 | 0.00047 |
| 102.53 | 137.89 | 0.00046 | 106.07 | 134.35 | 0.00045 |
| 108.19 | 132.23 | 0.00044 | 109.60 | 130.81 | 0.00044 |
| 111.02 | 129.40 | 0.00043 | 112.43 | 127.99 | 0.00043 |
| 113.84 | 126.57 | 0.00042 | 126.57 | 113.84 | 0.00036 |
| 127.99 | 112.43 | 0.00035 | 129.40 | 111.02 | 0.00034 |
| 130.81 | 109.60 | 0.00034 | 132.23 | 108.19 | 0.00033 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13
 **MODELOPTs:
 PAGE 79
 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 134.35 | 106.07 | 0.00032 | 137.89 | 102.53 | 0.00030 |
| 141.42 | 98.99 | 0.00029 | 148.49 | 91.92 | 0.00026 |
| 155.56 | 84.85 | 0.00024 | 162.63 | 77.78 | 0.00022 |
| 169.71 | 70.71 | 0.00020 | 176.78 | 63.64 | 0.00018 |
| 183.85 | 56.57 | 0.00016 | 190.92 | 49.50 | 0.00014 |
| 56.57 | 197.99 | 0.00052 | 63.64 | 190.92 | 0.00051 |
| 70.71 | 183.85 | 0.00051 | 77.78 | 176.78 | 0.00049 |
| 84.85 | 169.71 | 0.00047 | 91.92 | 162.63 | 0.00045 |
| 98.99 | 155.56 | 0.00044 | 106.07 | 148.49 | 0.00042 |
| 109.60 | 144.96 | 0.00041 | 113.14 | 141.42 | 0.00040 |
| 115.26 | 139.30 | 0.00040 | 116.67 | 137.89 | 0.00039 |
| 118.09 | 136.47 | 0.00039 | 119.50 | 135.06 | 0.00038 |
| 120.92 | 133.64 | 0.00038 | 133.64 | 120.92 | 0.00032 |
| 135.06 | 119.50 | 0.00031 | 136.47 | 118.09 | 0.00031 |
| 137.89 | 116.67 | 0.00030 | 139.30 | 115.26 | 0.00030 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 141.42 | 113.14 | 0.00029 | 144.96 | 109.60 | 0.00028 |
| 148.49 | 106.07 | 0.00026 | 155.56 | 98.99 | 0.00024 |
| 162.63 | 91.92 | 0.00022 | 169.71 | 84.85 | 0.00020 |
| 176.78 | 77.78 | 0.00018 | 183.85 | 70.71 | 0.00017 |
| 190.92 | 63.64 | 0.00015 | 197.99 | 56.57 | 0.00013 |
| 63.64 | 205.06 | 0.00047 | 70.71 | 197.99 | 0.00046 |
| 77.78 | 190.92 | 0.00045 | 84.85 | 183.85 | 0.00044 |
| 91.92 | 176.78 | 0.00042 | 98.99 | 169.71 | 0.00040 |
| 106.07 | 162.63 | 0.00039 | 113.14 | 155.56 | 0.00038 |
| 116.67 | 152.03 | 0.00037 | 120.21 | 148.49 | 0.00036 |
| 122.33 | 146.37 | 0.00035 | 123.74 | 144.96 | 0.00035 |
| 125.16 | 143.54 | 0.00035 | 126.57 | 142.13 | 0.00034 |
| 127.99 | 140.71 | 0.00034 | 140.71 | 127.99 | 0.00029 |
| 142.13 | 126.57 | 0.00029 | 143.54 | 125.16 | 0.00028 |
| 144.96 | 123.74 | 0.00028 | 146.37 | 122.33 | 0.00027 |
| 148.49 | 120.21 | 0.00026 | 152.03 | 116.67 | 0.00025 |
| 155.56 | 113.14 | 0.00024 | 162.63 | 106.07 | 0.00022 |
| 169.71 | 98.99 | 0.00020 | 176.78 | 91.92 | 0.00019 |
| 183.85 | 84.85 | 0.00017 | 190.92 | 77.78 | 0.00016 |
| 197.99 | 70.71 | 0.00014 | 205.06 | 63.64 | 0.00013 |
| 70.71 | 212.13 | 0.00042 | 77.78 | 205.06 | 0.00041 |
| 84.85 | 197.99 | 0.00040 | 91.92 | 190.92 | 0.00039 |
| 98.99 | 183.85 | 0.00038 | 106.07 | 176.78 | 0.00036 |
| 113.14 | 169.71 | 0.00035 | 120.21 | 162.63 | 0.00034 |
| 123.74 | 159.10 | 0.00033 | 127.28 | 155.56 | 0.00032 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 | 0.00032 | 130.81 | 152.03 | 0.00032 |
| 132.23 | 150.61 | 0.00031 | 133.64 | 149.20 | 0.00031 |
| 135.06 | 147.79 | 0.00030 | 147.79 | 135.06 | 0.00026 |
| 149.20 | 133.64 | 0.00026 | 150.61 | 132.23 | 0.00026 |
| 152.03 | 130.81 | 0.00025 | 153.44 | 129.40 | 0.00025 |
| 155.56 | 127.28 | 0.00024 | 159.10 | 123.74 | 0.00023 |
| 162.63 | 120.21 | 0.00022 | 169.71 | 113.14 | 0.00021 |
| 176.78 | 106.07 | 0.00019 | 183.85 | 98.99 | 0.00017 |
| 190.92 | 91.92 | 0.00016 | 197.99 | 84.85 | 0.00015 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 205.06 | 77.78 | 0.00013 | 212.13 | 70.71 | 0.00012 |
| 77.78 | 219.20 | 0.00038 | 84.85 | 212.13 | 0.00037 |
| 91.92 | 205.06 | 0.00036 | 98.99 | 197.99 | 0.00035 |
| 106.07 | 190.92 | 0.00034 | 113.14 | 183.85 | 0.00033 |
| 120.21 | 176.78 | 0.00032 | 127.28 | 169.71 | 0.00031 |
| 130.81 | 166.17 | 0.00030 | 134.35 | 162.63 | 0.00029 |
| 136.47 | 160.51 | 0.00029 | 137.89 | 159.10 | 0.00029 |
| 139.30 | 157.68 | 0.00028 | 140.71 | 156.27 | 0.00028 |
| 142.13 | 154.86 | 0.00028 | 154.86 | 142.13 | 0.00024 |
| 156.27 | 140.71 | 0.00024 | 157.68 | 139.30 | 0.00023 |
| 159.10 | 137.89 | 0.00023 | 160.51 | 136.47 | 0.00023 |
| 162.63 | 134.35 | 0.00022 | 166.17 | 130.81 | 0.00021 |
| 169.71 | 127.28 | 0.00020 | 176.78 | 120.21 | 0.00019 |
| 183.85 | 113.14 | 0.00018 | 190.92 | 106.07 | 0.00016 |
| 197.99 | 98.99 | 0.00015 | 205.06 | 91.92 | 0.00014 |
| 212.13 | 84.85 | 0.00013 | 219.20 | 77.78 | 0.00012 |
| 84.85 | 226.27 | 0.00034 | 91.92 | 219.20 | 0.00034 |
| 98.99 | 212.13 | 0.00033 | 106.07 | 205.06 | 0.00032 |
| 113.14 | 197.99 | 0.00031 | 120.21 | 190.92 | 0.00030 |
| 127.28 | 183.85 | 0.00029 | 134.35 | 176.78 | 0.00028 |
| 137.89 | 173.24 | 0.00027 | 141.42 | 169.71 | 0.00027 |
| 143.54 | 167.58 | 0.00026 | 144.96 | 166.17 | 0.00026 |
| 146.37 | 164.76 | 0.00026 | 147.79 | 163.34 | 0.00025 |
| 149.20 | 161.93 | 0.00025 | 161.93 | 149.20 | 0.00022 |
| 163.34 | 147.79 | 0.00022 | 164.76 | 146.37 | 0.00021 |
| 166.17 | 144.96 | 0.00021 | 167.58 | 143.54 | 0.00021 |
| 169.71 | 141.42 | 0.00020 | 173.24 | 137.89 | 0.00020 |
| 176.78 | 134.35 | 0.00019 | 183.85 | 127.28 | 0.00018 |
| 190.92 | 120.21 | 0.00016 | 197.99 | 113.14 | 0.00015 |
| 205.06 | 106.07 | 0.00014 | 212.13 | 98.99 | 0.00013 |
| 219.20 | 91.92 | 0.00012 | 226.27 | 84.85 | 0.00011 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 91.92 | 233.35 | 0.00031 | 98.99 | 226.27 | 0.00031 |
| 106.07 | 219.20 | 0.00030 | 113.14 | 212.13 | 0.00029 |
| 120.21 | 205.06 | 0.00028 | 127.28 | 197.99 | 0.00027 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 134.35 | 190.92 | 0.00026 | 141.42 | 183.85 | 0.00025 |
| 144.96 | 180.31 | 0.00025 | 148.49 | 176.78 | 0.00024 |
| 150.61 | 174.66 | 0.00024 | 152.03 | 173.24 | 0.00024 |
| 153.44 | 171.83 | 0.00024 | 154.86 | 170.41 | 0.00023 |
| 156.27 | 169.00 | 0.00023 | 169.00 | 156.27 | 0.00020 |
| 170.41 | 154.86 | 0.00020 | 171.83 | 153.44 | 0.00020 |
| 173.24 | 152.03 | 0.00019 | 174.66 | 150.61 | 0.00019 |
| 176.78 | 148.49 | 0.00019 | 180.31 | 144.96 | 0.00018 |
| 183.85 | 141.42 | 0.00018 | 190.92 | 134.35 | 0.00016 |
| 197.99 | 127.28 | 0.00015 | 205.06 | 120.21 | 0.00014 |
| 212.13 | 113.14 | 0.00013 | 219.20 | 106.07 | 0.00012 |
| 226.27 | 98.99 | 0.00011 | 233.35 | 91.92 | 0.00011 |
| 98.99 | 240.42 | 0.00029 | 106.07 | 233.35 | 0.00028 |
| 113.14 | 226.27 | 0.00027 | 120.21 | 219.20 | 0.00026 |
| 127.28 | 212.13 | 0.00025 | 134.35 | 205.06 | 0.00025 |
| 141.42 | 197.99 | 0.00024 | 148.49 | 190.92 | 0.00023 |
| 152.03 | 187.38 | 0.00023 | 155.56 | 183.85 | 0.00022 |
| 157.68 | 181.73 | 0.00022 | 159.10 | 180.31 | 0.00022 |
| 160.51 | 178.90 | 0.00022 | 161.93 | 177.48 | 0.00021 |
| 163.34 | 176.07 | 0.00021 | 176.07 | 163.34 | 0.00019 |
| 177.48 | 161.93 | 0.00019 | 178.90 | 160.51 | 0.00018 |
| 180.31 | 159.10 | 0.00018 | 181.73 | 157.68 | 0.00018 |
| 183.85 | 155.56 | 0.00017 | 187.38 | 152.03 | 0.00017 |
| 190.92 | 148.49 | 0.00016 | 197.99 | 141.42 | 0.00015 |
| 205.06 | 134.35 | 0.00014 | 212.13 | 127.28 | 0.00013 |
| 219.20 | 120.21 | 0.00013 | 226.27 | 113.14 | 0.00012 |
| 233.35 | 106.07 | 0.00011 | 240.42 | 98.99 | 0.00010 |
| 106.07 | 247.49 | 0.00026 | 113.14 | 240.42 | 0.00025 |
| 120.21 | 233.35 | 0.00025 | 127.28 | 226.27 | 0.00024 |
| 134.35 | 219.20 | 0.00023 | 141.42 | 212.13 | 0.00023 |
| 148.49 | 205.06 | 0.00022 | 155.56 | 197.99 | 0.00021 |
| 159.10 | 194.45 | 0.00021 | 162.63 | 190.92 | 0.00021 |
| 164.76 | 188.80 | 0.00020 | 166.17 | 187.38 | 0.00020 |
| 167.58 | 185.97 | 0.00020 | 169.00 | 184.55 | 0.00020 |
| 170.41 | 183.14 | 0.00020 | 183.14 | 170.41 | 0.00017 |
| 184.55 | 169.00 | 0.00017 | 185.97 | 167.58 | 0.00017 |
| 187.38 | 166.17 | 0.00017 | 188.80 | 164.76 | 0.00017 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 ,

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW 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 |
| 190.92 | 162.63 | 0.00016 | 194.45 | 159.10 | 0.00016 |
| 197.99 | 155.56 | 0.00015 | 205.06 | 148.49 | 0.00014 |
| 212.13 | 141.42 | 0.00013 | 219.20 | 134.35 | 0.00013 |
| 226.27 | 127.28 | 0.00012 | 233.35 | 120.21 | 0.00011 |
| 240.42 | 113.14 | 0.00010 | 247.49 | 106.07 | 0.00010 |

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

18:13:13
 **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 |
| -247.49 | -106.07 | 0.00041 | -240.42 | -113.14 | 0.00046 |
| -233.35 | -120.21 | 0.00051 | -226.27 | -127.28 | 0.00058 |
| -219.20 | -134.35 | 0.00064 | -212.13 | -141.42 | 0.00070 |
| -205.06 | -148.49 | 0.00075 | -197.99 | -155.56 | 0.00078 |
| -194.45 | -159.10 | 0.00080 | -190.92 | -162.63 | 0.00081 |
| -188.80 | -164.76 | 0.00081 | -187.38 | -166.17 | 0.00082 |
| -185.97 | -167.58 | 0.00082 | -184.55 | -169.00 | 0.00082 |
| -183.14 | -170.41 | 0.00083 | -170.41 | -183.14 | 0.00085 |
| -169.00 | -184.55 | 0.00085 | -167.58 | -185.97 | 0.00086 |
| -166.17 | -187.38 | 0.00086 | -164.76 | -188.80 | 0.00086 |
| -162.63 | -190.92 | 0.00086 | -159.10 | -194.45 | 0.00086 |
| -155.56 | -197.99 | 0.00087 | -148.49 | -205.06 | 0.00087 |
| -141.42 | -212.13 | 0.00086 | -134.35 | -219.20 | 0.00083 |
| -127.28 | -226.27 | 0.00079 | -120.21 | -233.35 | 0.00073 |
| -113.14 | -240.42 | 0.00067 | -106.07 | -247.49 | 0.00061 |
| -240.42 | -98.99 | 0.00042 | -233.35 | -106.07 | 0.00048 |
| -226.27 | -113.14 | 0.00054 | -219.20 | -120.21 | 0.00061 |
| -212.13 | -127.28 | 0.00069 | -205.06 | -134.35 | 0.00076 |
| -197.99 | -141.42 | 0.00083 | -190.92 | -148.49 | 0.00087 |
| -187.38 | -152.03 | 0.00089 | -183.85 | -155.56 | 0.00090 |
| -181.73 | -157.68 | 0.00091 | -180.31 | -159.10 | 0.00092 |
| -178.90 | -160.51 | 0.00092 | -177.48 | -161.93 | 0.00093 |
| -176.07 | -163.34 | 0.00093 | -163.34 | -176.07 | 0.00096 |
| -161.93 | -177.48 | 0.00096 | -160.51 | -178.90 | 0.00096 |
| -159.10 | -180.31 | 0.00097 | -157.68 | -181.73 | 0.00097 |
| -155.56 | -183.85 | 0.00097 | -152.03 | -187.38 | 0.00097 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -148.49 | -190.92 | 0.00098 | -141.42 | -197.99 | 0.00098 |
| -134.35 | -205.06 | 0.00096 | -127.28 | -212.13 | 0.00092 |
| -120.21 | -219.20 | 0.00086 | -113.14 | -226.27 | 0.00079 |
| -106.07 | -233.35 | 0.00071 | -98.99 | -240.42 | 0.00064 |
| -233.35 | -91.92 | 0.00043 | -226.27 | -99.00 | 0.00049 |
| -219.20 | -106.07 | 0.00057 | -212.13 | -113.14 | 0.00065 |
| -205.06 | -120.21 | 0.00074 | -197.99 | -127.28 | 0.00083 |
| -190.92 | -134.35 | 0.00091 | -183.85 | -141.42 | 0.00098 |
| -180.31 | -144.96 | 0.00100 | -176.78 | -148.49 | 0.00102 |
| -174.66 | -150.61 | 0.00103 | -173.24 | -152.03 | 0.00104 |
| -171.83 | -153.44 | 0.00104 | -170.41 | -154.86 | 0.00105 |
| -169.00 | -156.27 | 0.00105 | -156.27 | -169.00 | 0.00109 |
| -154.86 | -170.41 | 0.00109 | -153.44 | -171.83 | 0.00109 |
| -152.03 | -173.24 | 0.00110 | -150.61 | -174.66 | 0.00110 |

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

18:13:13

**MODELOPTs:
 PAGE 84

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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -148.49 | -176.78 | 0.00110 | -144.96 | -180.31 | 0.00111 |
| -141.42 | -183.85 | 0.00111 | -134.35 | -190.92 | 0.00110 |
| -127.28 | -197.99 | 0.00107 | -120.21 | -205.06 | 0.00101 |
| -113.14 | -212.13 | 0.00093 | -106.07 | -219.20 | 0.00084 |
| -98.99 | -226.27 | 0.00075 | -91.92 | -233.35 | 0.00066 |
| -226.27 | -84.85 | 0.00043 | -219.20 | -91.92 | 0.00051 |
| -212.13 | -99.00 | 0.00059 | -205.06 | -106.07 | 0.00069 |
| -197.99 | -113.14 | 0.00079 | -190.92 | -120.21 | 0.00090 |
| -183.85 | -127.28 | 0.00101 | -176.78 | -134.35 | 0.00110 |
| -173.24 | -137.89 | 0.00113 | -169.71 | -141.42 | 0.00116 |
| -167.58 | -143.54 | 0.00117 | -166.17 | -144.96 | 0.00118 |
| -164.76 | -146.37 | 0.00119 | -163.34 | -147.79 | 0.00119 |
| -161.93 | -149.20 | 0.00120 | -149.20 | -161.93 | 0.00124 |
| -147.79 | -163.34 | 0.00125 | -146.37 | -164.76 | 0.00125 |
| -144.96 | -166.17 | 0.00125 | -143.54 | -167.58 | 0.00126 |
| -141.42 | -169.71 | 0.00126 | -137.89 | -173.24 | 0.00127 |
| -134.35 | -176.78 | 0.00127 | -127.28 | -183.85 | 0.00125 |
| -120.21 | -190.92 | 0.00119 | -113.14 | -197.99 | 0.00110 |
| -106.07 | -205.06 | 0.00100 | -98.99 | -212.13 | 0.00089 |
| -91.92 | -219.20 | 0.00078 | -84.85 | -226.27 | 0.00068 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -219.20 | -77.78 | 0.00044 | -212.13 | -84.85 | 0.00051 |
| -205.06 | -91.92 | 0.00061 | -197.99 | -99.00 | 0.00072 |
| -190.92 | -106.07 | 0.00084 | -183.85 | -113.14 | 0.00098 |
| -176.78 | -120.21 | 0.00112 | -169.71 | -127.28 | 0.00124 |
| -166.17 | -130.81 | 0.00128 | -162.63 | -134.35 | 0.00132 |
| -160.51 | -136.47 | 0.00134 | -159.10 | -137.89 | 0.00135 |
| -157.68 | -139.30 | 0.00136 | -156.27 | -140.71 | 0.00137 |
| -154.86 | -142.13 | 0.00138 | -142.13 | -154.86 | 0.00144 |
| -140.71 | -156.27 | 0.00144 | -139.30 | -157.68 | 0.00145 |
| -137.89 | -159.10 | 0.00145 | -136.47 | -160.51 | 0.00145 |
| -134.35 | -162.63 | 0.00146 | -130.81 | -166.17 | 0.00146 |
| -127.28 | -169.71 | 0.00146 | -120.21 | -176.78 | 0.00142 |
| -113.14 | -183.85 | 0.00133 | -106.07 | -190.92 | 0.00121 |
| -98.99 | -197.99 | 0.00107 | -91.92 | -205.06 | 0.00093 |
| -84.85 | -212.13 | 0.00081 | -77.78 | -219.20 | 0.00070 |
| -212.13 | -70.71 | 0.00044 | -205.06 | -77.78 | 0.00052 |
| -197.99 | -84.85 | 0.00062 | -190.92 | -91.92 | 0.00074 |
| -183.85 | -98.99 | 0.00089 | -176.78 | -106.07 | 0.00105 |
| -169.71 | -113.14 | 0.00123 | -162.63 | -120.21 | 0.00140 |
| -159.10 | -123.74 | 0.00147 | -155.56 | -127.28 | 0.00152 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -153.44 | -129.40 | 0.00155 | -152.03 | -130.81 | 0.00156 |
| -150.61 | -132.23 | 0.00158 | -149.20 | -133.64 | 0.00159 |
| -147.79 | -135.06 | 0.00160 | -135.06 | -147.79 | 0.00167 |
| -133.64 | -149.20 | 0.00168 | -132.23 | -150.61 | 0.00169 |
| -130.81 | -152.03 | 0.00169 | -129.40 | -153.44 | 0.00170 |
| -127.28 | -155.56 | 0.00170 | -123.74 | -159.10 | 0.00171 |
| -120.21 | -162.63 | 0.00169 | -113.14 | -169.71 | 0.00161 |
| -106.07 | -176.78 | 0.00147 | -98.99 | -183.85 | 0.00130 |
| -91.92 | -190.92 | 0.00113 | -84.85 | -197.99 | 0.00097 |
| -77.78 | -205.06 | 0.00083 | -70.71 | -212.13 | 0.00071 |
| -205.06 | -63.64 | 0.00044 | -197.99 | -70.71 | 0.00052 |
| -190.92 | -77.78 | 0.00062 | -183.85 | -84.85 | 0.00076 |
| -176.78 | -91.92 | 0.00092 | -169.71 | -98.99 | 0.00112 |
| -162.63 | -106.07 | 0.00134 | -155.56 | -113.14 | 0.00157 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -152.03 | -116.67 | 0.00167 | -148.49 | -120.21 | 0.00175 |
| -146.37 | -122.33 | 0.00179 | -144.96 | -123.74 | 0.00182 |
| -143.54 | -125.16 | 0.00184 | -142.13 | -126.57 | 0.00185 |
| -140.71 | -127.99 | 0.00187 | -127.99 | -140.71 | 0.00197 |
| -126.57 | -142.13 | 0.00198 | -125.16 | -143.54 | 0.00199 |
| -123.74 | -144.96 | 0.00200 | -122.33 | -146.37 | 0.00200 |
| -120.21 | -148.49 | 0.00201 | -116.67 | -152.03 | 0.00200 |
| -113.14 | -155.56 | 0.00197 | -106.07 | -162.63 | 0.00182 |
| -98.99 | -169.71 | 0.00162 | -91.92 | -176.78 | 0.00139 |
| -84.85 | -183.85 | 0.00118 | -77.78 | -190.92 | 0.00100 |
| -70.71 | -197.99 | 0.00084 | -63.64 | -205.06 | 0.00071 |
| -197.99 | -56.57 | 0.00043 | -190.92 | -63.64 | 0.00052 |
| -183.85 | -70.71 | 0.00063 | -176.78 | -77.78 | 0.00077 |
| -169.71 | -84.85 | 0.00095 | -162.63 | -91.92 | 0.00118 |
| -155.56 | -98.99 | 0.00145 | -148.49 | -106.07 | 0.00175 |
| -144.96 | -109.60 | 0.00189 | -141.42 | -113.14 | 0.00203 |
| -139.30 | -115.26 | 0.00209 | -137.89 | -116.67 | 0.00212 |
| -136.47 | -118.09 | 0.00216 | -135.06 | -119.50 | 0.00218 |
| -133.64 | -120.92 | 0.00221 | -120.92 | -133.64 | 0.00235 |
| -119.50 | -135.06 | 0.00236 | -118.09 | -136.47 | 0.00237 |
| -116.67 | -137.89 | 0.00238 | -115.26 | -139.30 | 0.00239 |
| -113.14 | -141.42 | 0.00239 | -109.60 | -144.96 | 0.00235 |
| -106.07 | -148.49 | 0.00228 | -98.99 | -155.56 | 0.00204 |
| -91.92 | -162.63 | 0.00175 | -84.85 | -169.71 | 0.00146 |
| -77.78 | -176.78 | 0.00122 | -70.71 | -183.85 | 0.00101 |
| -63.64 | -190.92 | 0.00085 | -56.57 | -197.99 | 0.00071 |

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

04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -190.92 | -49.50 | 0.00043 | -183.85 | -56.57 | 0.00052 |
| -176.78 | -63.64 | 0.00063 | -169.71 | -70.71 | 0.00077 |
| -162.63 | -77.78 | 0.00096 | -155.56 | -84.85 | 0.00121 |
| -148.49 | -91.92 | 0.00153 | -141.42 | -98.99 | 0.00192 |
| -137.89 | -102.53 | 0.00212 | -134.35 | -106.07 | 0.00232 |
| -132.23 | -108.19 | 0.00242 | -130.81 | -109.60 | 0.00248 |
| -129.40 | -111.02 | 0.00254 | -127.99 | -112.43 | 0.00258 |
| -126.57 | -113.84 | 0.00262 | -113.84 | -126.57 | 0.00283 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -112.43 | -127.99 | 0.00285 | -111.02 | -129.40 | 0.00286 |
| -109.60 | -130.81 | 0.00287 | -108.19 | -132.23 | 0.00287 |
| -106.07 | -134.35 | 0.00284 | -102.53 | -137.89 | 0.00275 |
| -98.99 | -141.42 | 0.00260 | -91.92 | -148.49 | 0.00223 |
| -84.85 | -155.56 | 0.00185 | -77.78 | -162.63 | 0.00151 |
| -70.71 | -169.71 | 0.00124 | -63.64 | -176.78 | 0.00102 |
| -56.57 | -183.85 | 0.00084 | -49.50 | -190.92 | 0.00070 |
| -183.85 | -42.43 | 0.00043 | -176.78 | -49.50 | 0.00052 |
| -169.71 | -56.57 | 0.00063 | -162.63 | -63.64 | 0.00077 |
| -155.56 | -70.71 | 0.00097 | -148.49 | -77.78 | 0.00123 |
| -141.42 | -84.85 | 0.00158 | -134.35 | -91.92 | 0.00205 |
| -130.81 | -95.46 | 0.00232 | -127.28 | -98.99 | 0.00260 |
| -125.16 | -101.12 | 0.00276 | -123.74 | -102.53 | 0.00286 |
| -122.33 | -103.94 | 0.00296 | -120.92 | -105.36 | 0.00304 |
| -119.50 | -106.77 | 0.00311 | -106.77 | -119.50 | 0.00346 |
| -105.36 | -120.92 | 0.00347 | -103.94 | -122.33 | 0.00348 |
| -102.53 | -123.74 | 0.00346 | -101.12 | -125.16 | 0.00343 |
| -98.99 | -127.28 | 0.00334 | -95.46 | -130.81 | 0.00314 |
| -91.92 | -134.35 | 0.00289 | -84.85 | -141.42 | 0.00237 |
| -77.78 | -148.49 | 0.00191 | -70.71 | -155.56 | 0.00153 |
| -63.64 | -162.63 | 0.00124 | -56.57 | -169.71 | 0.00100 |
| -49.50 | -176.78 | 0.00082 | -42.43 | -183.85 | 0.00068 |
| -176.78 | -35.36 | 0.00043 | -169.71 | -42.43 | 0.00052 |
| -162.63 | -49.50 | 0.00063 | -155.56 | -56.57 | 0.00078 |
| -148.49 | -63.64 | 0.00097 | -141.42 | -70.71 | 0.00124 |
| -134.35 | -77.78 | 0.00161 | -127.28 | -84.85 | 0.00212 |
| -123.74 | -88.39 | 0.00244 | -120.21 | -91.92 | 0.00280 |
| -118.09 | -94.05 | 0.00304 | -116.67 | -95.46 | 0.00321 |
| -115.26 | -96.87 | 0.00337 | -113.84 | -98.29 | 0.00353 |
| -112.43 | -99.70 | 0.00367 | -99.70 | -112.43 | 0.00427 |
| -98.29 | -113.84 | 0.00425 | -96.87 | -115.26 | 0.00418 |
| -95.46 | -116.67 | 0.00409 | -94.05 | -118.09 | 0.00398 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -91.92 | -120.21 | 0.00379 | -88.39 | -123.74 | 0.00344 |
| -84.85 | -127.28 | 0.00309 | -77.78 | -134.35 | 0.00245 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -70.71 | -141.42 | 0.00193 | -63.64 | -148.49 | 0.00153 |
| -56.57 | -155.56 | 0.00121 | -49.50 | -162.63 | 0.00098 |
| -42.43 | -169.71 | 0.00079 | -35.36 | -176.78 | 0.00065 |
| -169.71 | -28.28 | 0.00045 | -162.63 | -35.36 | 0.00053 |
| -155.56 | -42.43 | 0.00064 | -148.49 | -49.50 | 0.00078 |
| -141.42 | -56.57 | 0.00098 | -134.35 | -63.64 | 0.00125 |
| -127.28 | -70.71 | 0.00163 | -120.21 | -77.78 | 0.00216 |
| -116.67 | -81.32 | 0.00251 | -113.14 | -84.85 | 0.00291 |
| -111.02 | -86.97 | 0.00319 | -109.60 | -88.39 | 0.00340 |
| -108.19 | -89.80 | 0.00362 | -106.77 | -91.22 | 0.00389 |
| -105.36 | -92.63 | 0.00418 | -92.63 | -105.36 | 0.00516 |
| -91.22 | -106.77 | 0.00495 | -89.80 | -108.19 | 0.00474 |
| -88.39 | -109.60 | 0.00453 | -86.97 | -111.02 | 0.00434 |
| -84.85 | -113.14 | 0.00405 | -81.32 | -116.67 | 0.00359 |
| -77.78 | -120.21 | 0.00317 | -70.71 | -127.28 | 0.00246 |
| -63.64 | -134.35 | 0.00190 | -56.57 | -141.42 | 0.00148 |
| -49.50 | -148.49 | 0.00116 | -42.43 | -155.56 | 0.00093 |
| -35.36 | -162.63 | 0.00075 | -28.28 | -169.71 | 0.00062 |
| -162.63 | -21.21 | 0.00047 | -155.56 | -28.28 | 0.00055 |
| -148.49 | -35.36 | 0.00066 | -141.42 | -42.43 | 0.00081 |
| -134.35 | -49.50 | 0.00101 | -127.28 | -56.57 | 0.00130 |
| -120.21 | -63.64 | 0.00170 | -113.14 | -70.71 | 0.00228 |
| -109.60 | -74.25 | 0.00267 | -106.07 | -77.78 | 0.00315 |
| -103.94 | -79.90 | 0.00351 | -102.53 | -81.32 | 0.00378 |
| -101.12 | -82.73 | 0.00411 | -99.70 | -84.15 | 0.00454 |
| -98.29 | -85.56 | 0.00511 | -85.56 | -98.29 | 0.00548 |
| -84.15 | -99.70 | 0.00516 | -82.73 | -101.12 | 0.00489 |
| -81.32 | -102.53 | 0.00464 | -79.90 | -103.94 | 0.00441 |
| -77.78 | -106.07 | 0.00408 | -74.25 | -109.60 | 0.00358 |
| -70.71 | -113.14 | 0.00312 | -63.64 | -120.21 | 0.00237 |
| -56.57 | -127.28 | 0.00181 | -49.50 | -134.35 | 0.00139 |
| -42.43 | -141.42 | 0.00109 | -35.36 | -148.49 | 0.00086 |
| -28.28 | -155.56 | 0.00070 | -21.21 | -162.63 | 0.00058 |
| -155.56 | -14.14 | 0.00050 | -148.49 | -21.21 | 0.00059 |
| -141.42 | -28.28 | 0.00071 | -134.35 | -35.36 | 0.00087 |
| -127.28 | -42.43 | 0.00109 | -120.21 | -49.50 | 0.00142 |
| -113.14 | -56.57 | 0.00192 | -106.07 | -63.64 | 0.00274 |
| -102.53 | -67.18 | 0.00338 | -98.99 | -70.71 | 0.00424 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13
 **MODELOPTS:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW 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 |
| -96.87 | -72.83 | 0.00488 | -95.46 | -74.25 | 0.00536 |
| -94.05 | -75.66 | 0.00588 | -92.63 | -77.07 | 0.00645 |
| -91.22 | -78.49 | 0.00710 | -78.49 | -91.22 | 0.00563 |
| -77.07 | -92.63 | 0.00523 | -75.66 | -94.05 | 0.00490 |
| -74.25 | -95.46 | 0.00462 | -72.83 | -96.87 | 0.00436 |
| -70.71 | -98.99 | 0.00400 | -67.18 | -102.53 | 0.00347 |
| -63.64 | -106.07 | 0.00300 | -56.57 | -113.14 | 0.00224 |
| -49.50 | -120.21 | 0.00169 | -42.43 | -127.28 | 0.00129 |
| -35.36 | -134.35 | 0.00101 | -28.28 | -141.42 | 0.00080 |
| -21.21 | -148.49 | 0.00065 | -14.14 | -155.56 | 0.00054 |
| -148.49 | -7.07 | 0.00055 | -141.42 | -14.14 | 0.00065 |
| -134.35 | -21.21 | 0.00079 | -127.28 | -28.28 | 0.00098 |
| -120.21 | -35.36 | 0.00126 | -113.14 | -42.43 | 0.00169 |
| -106.07 | -49.50 | 0.00240 | -98.99 | -56.57 | 0.00357 |
| -95.46 | -60.10 | 0.00437 | -91.92 | -63.64 | 0.00532 |
| -89.80 | -65.76 | 0.00595 | -88.39 | -67.18 | 0.00641 |
| -86.97 | -68.59 | 0.00689 | -85.56 | -70.00 | 0.00740 |
| -84.15 | -71.42 | 0.00799 | -71.42 | -84.15 | 0.00574 |
| -70.00 | -85.56 | 0.00528 | -68.59 | -86.97 | 0.00490 |
| -67.18 | -88.39 | 0.00457 | -65.76 | -89.80 | 0.00427 |
| -63.64 | -91.92 | 0.00387 | -60.10 | -95.46 | 0.00329 |
| -56.57 | -98.99 | 0.00281 | -49.50 | -106.07 | 0.00206 |
| -42.43 | -113.14 | 0.00154 | -35.36 | -120.21 | 0.00117 |
| -28.28 | -127.28 | 0.00092 | -21.21 | -134.35 | 0.00073 |
| -14.14 | -141.42 | 0.00060 | -7.07 | -148.49 | 0.00050 |
| -141.42 | 0.00 | 0.00062 | -134.35 | -7.07 | 0.00075 |
| -127.28 | -14.14 | 0.00092 | -120.21 | -21.21 | 0.00117 |
| -113.14 | -28.28 | 0.00153 | -106.07 | -35.36 | 0.00210 |
| -98.99 | -42.43 | 0.00298 | -91.92 | -49.50 | 0.00421 |
| -88.39 | -53.03 | 0.00497 | -84.85 | -56.57 | 0.00586 |
| -82.73 | -58.69 | 0.00646 | -81.32 | -60.10 | 0.00688 |
| -79.90 | -61.52 | 0.00733 | -78.49 | -62.93 | 0.00781 |
| -77.07 | -64.35 | 0.00835 | -64.35 | -77.07 | 0.00572 |
| -62.93 | -78.49 | 0.00522 | -61.52 | -79.90 | 0.00480 |
| -60.10 | -81.32 | 0.00444 | -58.69 | -82.73 | 0.00411 |
| -56.57 | -84.85 | 0.00368 | -53.03 | -88.39 | 0.00306 |
| -49.50 | -91.92 | 0.00256 | -42.43 | -98.99 | 0.00184 |
| -35.36 | -106.07 | 0.00137 | -28.28 | -113.14 | 0.00105 |
| -21.21 | -120.21 | 0.00083 | -14.14 | -127.28 | 0.00067 |
| -7.07 | -134.35 | 0.00055 | 0.00 | -141.42 | 0.00045 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -134.35 | 7.07 | 0.00071 | -127.28 | 0.00 | 0.00088 |
| -120.21 | -7.07 | 0.00110 | -113.14 | -14.14 | 0.00142 |
| -106.07 | -21.21 | 0.00188 | -98.99 | -28.28 | 0.00253 |
| -91.92 | -35.36 | 0.00341 | -84.85 | -42.43 | 0.00456 |
| -81.32 | -45.96 | 0.00526 | -77.78 | -49.50 | 0.00608 |
| -75.66 | -51.62 | 0.00662 | -74.25 | -53.03 | 0.00701 |
| -72.83 | -54.45 | 0.00744 | -71.42 | -55.86 | 0.00789 |
| -70.00 | -57.28 | 0.00840 | -57.28 | -70.00 | 0.00552 |
| -55.86 | -71.42 | 0.00500 | -54.45 | -72.83 | 0.00456 |
| -53.03 | -74.25 | 0.00417 | -51.62 | -75.66 | 0.00383 |
| -49.50 | -77.78 | 0.00338 | -45.96 | -81.32 | 0.00275 |
| -42.43 | -84.85 | 0.00227 | -35.36 | -91.92 | 0.00160 |
| -28.28 | -98.99 | 0.00119 | -21.21 | -106.07 | 0.00092 |
| -14.14 | -113.14 | 0.00073 | -7.07 | -120.21 | 0.00060 |
| 0.00 | -127.28 | 0.00049 | 7.07 | -134.35 | 0.00041 |
| -127.28 | 14.14 | 0.00084 | -120.21 | 7.07 | 0.00104 |
| -113.14 | 0.00 | 0.00132 | -106.07 | -7.07 | 0.00170 |
| -98.99 | -14.14 | 0.00221 | -91.92 | -21.21 | 0.00287 |
| -84.85 | -28.28 | 0.00369 | -77.78 | -35.36 | 0.00473 |
| -74.25 | -38.89 | 0.00537 | -70.71 | -42.43 | 0.00609 |
| -68.59 | -44.55 | 0.00658 | -67.18 | -45.96 | 0.00693 |
| -65.76 | -47.38 | 0.00732 | -64.35 | -48.79 | 0.00774 |
| -62.93 | -50.20 | 0.00822 | -50.20 | -62.93 | 0.00515 |
| -48.79 | -64.35 | 0.00460 | -47.38 | -65.76 | 0.00415 |
| -45.96 | -67.18 | 0.00375 | -44.55 | -68.59 | 0.00341 |
| -42.43 | -70.71 | 0.00296 | -38.89 | -74.25 | 0.00237 |
| -35.36 | -77.78 | 0.00194 | -28.28 | -84.85 | 0.00137 |
| -21.21 | -91.92 | 0.00103 | -14.14 | -98.99 | 0.00080 |
| -7.07 | -106.07 | 0.00064 | 0.00 | -113.14 | 0.00053 |
| 7.07 | -120.21 | 0.00044 | 14.14 | -127.28 | 0.00037 |
| -120.21 | 21.21 | 0.00098 | -113.14 | 14.14 | 0.00122 |
| -106.07 | 7.07 | 0.00154 | -98.99 | 0.00 | 0.00195 |
| -91.92 | -7.07 | 0.00247 | -84.85 | -14.14 | 0.00310 |
| -77.78 | -21.21 | 0.00388 | -70.71 | -28.28 | 0.00482 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -67.18 | -31.82 | 0.00536 | -63.64 | -35.36 | 0.00599 |
| -61.52 | -37.48 | 0.00641 | -60.10 | -38.89 | 0.00672 |
| -58.69 | -40.31 | 0.00704 | -57.28 | -41.72 | 0.00742 |
| -55.86 | -43.13 | 0.00786 | -43.13 | -55.86 | 0.00457 |
| -41.72 | -57.28 | 0.00401 | -40.31 | -58.69 | 0.00356 |
| -38.89 | -60.10 | 0.00318 | -37.48 | -61.52 | 0.00285 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -35.36 | -63.64 | 0.00245 | -31.82 | -67.18 | 0.00196 |
| -28.28 | -70.71 | 0.00161 | -21.21 | -77.78 | 0.00116 |
| -14.14 | -84.85 | 0.00088 | -7.07 | -91.92 | 0.00069 |
| 0.00 | -98.99 | 0.00056 | 7.07 | -106.07 | 0.00047 |
| 14.14 | -113.14 | 0.00039 | 21.21 | -120.21 | 0.00034 |
| -113.14 | 28.28 | 0.00113 | -106.07 | 21.21 | 0.00139 |
| -98.99 | 14.14 | 0.00173 | -91.92 | 7.07 | 0.00214 |
| -84.85 | 0.00 | 0.00265 | -77.78 | -7.07 | 0.00326 |
| -70.71 | -14.14 | 0.00399 | -63.64 | -21.21 | 0.00486 |
| -60.10 | -24.75 | 0.00535 | -56.57 | -28.28 | 0.00588 |
| -54.45 | -30.41 | 0.00621 | -53.03 | -31.82 | 0.00644 |
| -51.62 | -33.23 | 0.00670 | -50.20 | -34.65 | 0.00700 |
| -48.79 | -36.06 | 0.00736 | -36.06 | -48.79 | 0.00374 |
| -34.65 | -50.20 | 0.00322 | -33.23 | -51.62 | 0.00282 |
| -31.82 | -53.03 | 0.00251 | -30.41 | -54.45 | 0.00226 |
| -28.28 | -56.57 | 0.00196 | -24.75 | -60.10 | 0.00160 |
| -21.21 | -63.64 | 0.00134 | -14.14 | -70.71 | 0.00098 |
| -7.07 | -77.78 | 0.00076 | 0.00 | -84.85 | 0.00061 |
| 7.07 | -91.92 | 0.00049 | 14.14 | -98.99 | 0.00041 |
| 21.21 | -106.07 | 0.00035 | 28.28 | -113.14 | 0.00030 |
| -106.07 | 35.36 | 0.00126 | -98.99 | 28.28 | 0.00153 |
| -91.92 | 21.21 | 0.00187 | -84.85 | 14.14 | 0.00227 |
| -77.78 | 7.07 | 0.00276 | -70.71 | 0.00 | 0.00334 |
| -63.64 | -7.07 | 0.00405 | -56.57 | -14.14 | 0.00486 |
| -53.03 | -17.68 | 0.00531 | -49.50 | -21.21 | 0.00577 |
| -47.38 | -23.33 | 0.00605 | -45.96 | -24.75 | 0.00624 |
| -44.55 | -26.16 | 0.00644 | -43.13 | -27.58 | 0.00664 |
| -41.72 | -28.99 | 0.00687 | -28.99 | -41.72 | 0.00279 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -27.58 | -43.13 | 0.00245 | -26.16 | -44.55 | 0.00219 |
| -24.75 | -45.96 | 0.00198 | -23.33 | -47.38 | 0.00182 |
| -21.21 | -49.50 | 0.00161 | -17.68 | -53.03 | 0.00134 |
| -14.14 | -56.57 | 0.00114 | -7.07 | -63.64 | 0.00086 |
| 0.00 | -70.71 | 0.00067 | 7.07 | -77.78 | 0.00054 |
| 14.14 | -84.85 | 0.00045 | 21.21 | -91.92 | 0.00038 |
| 28.28 | -98.99 | 0.00032 | 35.36 | -106.07 | 0.00028 |
| -98.99 | 42.43 | 0.00136 | -91.92 | 35.36 | 0.00164 |
| -84.85 | 28.28 | 0.00196 | -77.78 | 21.21 | 0.00234 |
| -70.71 | 14.14 | 0.00280 | -63.64 | 7.07 | 0.00335 |
| -56.57 | 0.00 | 0.00400 | -49.50 | -7.07 | 0.00472 |
| -45.96 | -10.61 | 0.00511 | -42.43 | -14.14 | 0.00548 |

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

18:13:13
 **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 | 0.00568 | -38.89 | -17.68 | 0.00580 |
| -37.48 | -19.09 | 0.00588 | -36.06 | -20.51 | 0.00591 |
| -34.65 | -21.92 | 0.00585 | -21.92 | -34.65 | 0.00235 |
| -20.51 | -36.06 | 0.00211 | -19.09 | -37.48 | 0.00191 |
| -17.68 | -38.89 | 0.00175 | -16.26 | -40.31 | 0.00161 |
| -14.14 | -42.43 | 0.00143 | -10.61 | -45.96 | 0.00120 |
| -7.07 | -49.50 | 0.00103 | 0.00 | -56.57 | 0.00078 |
| 7.07 | -63.64 | 0.00062 | 14.14 | -70.71 | 0.00050 |
| 21.21 | -77.78 | 0.00041 | 28.28 | -84.85 | 0.00035 |
| 35.36 | -91.92 | 0.00030 | 42.43 | -98.99 | 0.00026 |
| -91.92 | 49.50 | 0.00144 | -84.85 | 42.43 | 0.00169 |
| -77.78 | 35.36 | 0.00200 | -70.71 | 28.28 | 0.00235 |
| -63.64 | 21.21 | 0.00276 | -56.57 | 14.14 | 0.00324 |
| -49.50 | 7.07 | 0.00374 | -42.43 | 0.00 | 0.00419 |
| -38.89 | -3.54 | 0.00430 | -35.36 | -7.07 | 0.00428 |
| -33.23 | -9.19 | 0.00418 | -31.82 | -10.61 | 0.00410 |
| -30.41 | -12.02 | 0.00399 | -28.99 | -13.44 | 0.00386 |
| -27.58 | -14.85 | 0.00371 | -14.85 | -27.58 | 0.00200 |
| -13.44 | -28.99 | 0.00185 | -12.02 | -30.41 | 0.00171 |
| -10.61 | -31.82 | 0.00158 | -9.19 | -33.23 | 0.00146 |
| -7.07 | -35.36 | 0.00131 | -3.54 | -38.89 | 0.00110 |
| 0.00 | -42.43 | 0.00094 | 7.07 | -49.50 | 0.00072 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 14.14 | -56.57 | 0.00057 | 21.21 | -63.64 | 0.00046 |
| 28.28 | -70.71 | 0.00038 | 35.36 | -77.78 | 0.00032 |
| 42.43 | -84.85 | 0.00028 | 49.50 | -91.92 | 0.00024 |
| -84.85 | 56.57 | 0.00147 | -77.78 | 49.50 | 0.00171 |
| -70.71 | 42.43 | 0.00198 | -63.64 | 35.36 | 0.00228 |
| -56.57 | 28.28 | 0.00261 | -49.50 | 21.21 | 0.00295 |
| -42.43 | 14.14 | 0.00319 | -35.36 | 7.07 | 0.00323 |
| -31.82 | 3.54 | 0.00315 | -28.28 | 0.00 | 0.00302 |
| -26.16 | -2.12 | 0.00293 | -24.75 | -3.54 | 0.00286 |
| -23.33 | -4.95 | 0.00278 | -21.92 | -6.36 | 0.00269 |
| -20.51 | -7.78 | 0.00260 | -7.78 | -20.51 | 0.00164 |
| -6.36 | -21.92 | 0.00154 | -4.95 | -23.33 | 0.00145 |
| -3.54 | -24.75 | 0.00136 | -2.12 | -26.16 | 0.00128 |
| 0.00 | -28.28 | 0.00117 | 3.54 | -31.82 | 0.00101 |
| 7.07 | -35.36 | 0.00087 | 14.14 | -42.43 | 0.00067 |
| 21.21 | -49.50 | 0.00053 | 28.28 | -56.57 | 0.00043 |
| 35.36 | -63.64 | 0.00035 | 42.43 | -70.71 | 0.00030 |
| 49.50 | -77.78 | 0.00026 | 56.57 | -84.85 | 0.00022 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -77.78 | 63.64 | 0.00147 | -70.71 | 56.57 | 0.00167 |
| -63.64 | 49.50 | 0.00189 | -56.57 | 42.43 | 0.00212 |
| -49.50 | 35.36 | 0.00234 | -42.43 | 28.28 | 0.00249 |
| -35.36 | 21.21 | 0.00252 | -28.28 | 14.14 | 0.00242 |
| -24.75 | 10.61 | 0.00235 | -21.21 | 7.07 | 0.00224 |
| -19.09 | 4.95 | 0.00217 | -17.68 | 3.54 | 0.00212 |
| -16.26 | 2.12 | 0.00206 | -14.85 | 0.71 | 0.00201 |
| -13.44 | -0.71 | 0.00195 | -0.71 | -13.44 | 0.00133 |
| 0.71 | -14.85 | 0.00127 | 2.12 | -16.26 | 0.00121 |
| 3.54 | -17.68 | 0.00115 | 4.95 | -19.09 | 0.00110 |
| 7.07 | -21.21 | 0.00102 | 10.61 | -24.75 | 0.00090 |
| 14.14 | -28.28 | 0.00080 | 21.21 | -35.36 | 0.00062 |
| 28.28 | -42.43 | 0.00049 | 35.36 | -49.50 | 0.00040 |
| 42.43 | -56.57 | 0.00033 | 49.50 | -63.64 | 0.00028 |
| 56.57 | -70.71 | 0.00024 | 63.64 | -77.78 | 0.00021 |
| -70.71 | 70.71 | 0.00142 | -63.64 | 63.64 | 0.00159 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -56.57 | 56.57 | 0.00175 | -49.50 | 49.50 | 0.00189 |
| -42.43 | 42.43 | 0.00198 | -35.36 | 35.36 | 0.00201 |
| -28.28 | 28.28 | 0.00197 | -21.21 | 21.21 | 0.00188 |
| -17.68 | 17.68 | 0.00181 | -14.14 | 14.14 | 0.00173 |
| -12.02 | 12.02 | 0.00167 | -10.61 | 10.61 | 0.00164 |
| -9.19 | 9.19 | 0.00160 | -7.78 | 7.78 | 0.00157 |
| -6.36 | 6.36 | 0.00153 | 6.36 | -6.36 | 0.00110 |
| 7.78 | -7.78 | 0.00106 | 9.19 | -9.19 | 0.00101 |
| 10.61 | -10.61 | 0.00097 | 12.02 | -12.02 | 0.00094 |
| 14.14 | -14.14 | 0.00088 | 17.68 | -17.68 | 0.00079 |
| 21.21 | -21.21 | 0.00071 | 28.28 | -28.28 | 0.00057 |
| 35.36 | -35.36 | 0.00047 | 42.43 | -42.43 | 0.00038 |
| 49.50 | -49.50 | 0.00031 | 56.57 | -56.57 | 0.00026 |
| 63.64 | -63.64 | 0.00023 | 70.71 | -70.71 | 0.00020 |
| -63.64 | 77.78 | 0.00134 | -56.57 | 70.71 | 0.00145 |
| -49.50 | 63.64 | 0.00155 | -42.43 | 56.57 | 0.00161 |
| -35.36 | 49.50 | 0.00164 | -28.28 | 42.43 | 0.00162 |
| -21.21 | 35.36 | 0.00157 | -14.14 | 28.28 | 0.00149 |
| -10.61 | 24.75 | 0.00143 | -7.07 | 21.21 | 0.00137 |
| -4.95 | 19.09 | 0.00133 | -3.54 | 17.68 | 0.00131 |
| -2.12 | 16.26 | 0.00129 | -0.71 | 14.85 | 0.00126 |
| 0.71 | 13.44 | 0.00123 | 13.44 | 0.71 | 0.00092 |
| 14.85 | -0.71 | 0.00089 | 16.26 | -2.12 | 0.00086 |
| 17.68 | -3.54 | 0.00083 | 19.09 | -4.95 | 0.00080 |

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

18:13:13
 **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 |
| 21.21 | -7.07 | 0.00076 | 24.75 | -10.61 | 0.00069 |
| 28.28 | -14.14 | 0.00063 | 35.36 | -21.21 | 0.00052 |
| 42.43 | -28.28 | 0.00043 | 49.50 | -35.36 | 0.00036 |
| 56.57 | -42.43 | 0.00030 | 63.64 | -49.50 | 0.00025 |
| 70.71 | -56.57 | 0.00022 | 77.78 | -63.64 | 0.00019 |
| -56.57 | 84.85 | 0.00122 | -49.50 | 77.78 | 0.00129 |
| -42.43 | 70.71 | 0.00134 | -35.36 | 63.64 | 0.00136 |
| -28.28 | 56.57 | 0.00135 | -21.21 | 49.50 | 0.00133 |
| -14.14 | 42.43 | 0.00128 | -7.07 | 35.36 | 0.00120 |
| -3.54 | 31.82 | 0.00116 | 0.00 | 28.28 | 0.00112 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 2.12 | 26.16 | 0.00109 | 3.54 | 24.75 | 0.00107 |
| 4.95 | 23.33 | 0.00106 | 6.36 | 21.92 | 0.00104 |
| 7.78 | 20.51 | 0.00102 | 20.51 | 7.78 | 0.00078 |
| 21.92 | 6.36 | 0.00076 | 23.33 | 4.95 | 0.00073 |
| 24.75 | 3.54 | 0.00071 | 26.16 | 2.12 | 0.00069 |
| 28.28 | 0.00 | 0.00066 | 31.82 | -3.54 | 0.00061 |
| 35.36 | -7.07 | 0.00056 | 42.43 | -14.14 | 0.00047 |
| 49.50 | -21.21 | 0.00040 | 56.57 | -28.28 | 0.00034 |
| 63.64 | -35.36 | 0.00029 | 70.71 | -42.43 | 0.00024 |
| 77.78 | -49.50 | 0.00021 | 84.85 | -56.57 | 0.00018 |
| -49.50 | 91.92 | 0.00109 | -42.43 | 84.85 | 0.00112 |
| -35.36 | 77.78 | 0.00114 | -28.28 | 70.71 | 0.00114 |
| -21.21 | 63.64 | 0.00113 | -14.14 | 56.57 | 0.00110 |
| -7.07 | 49.50 | 0.00106 | 0.00 | 42.43 | 0.00099 |
| 3.54 | 38.89 | 0.00096 | 7.07 | 35.36 | 0.00093 |
| 9.19 | 33.23 | 0.00091 | 10.61 | 31.82 | 0.00090 |
| 12.02 | 30.41 | 0.00088 | 13.44 | 28.99 | 0.00087 |
| 14.85 | 27.58 | 0.00085 | 27.58 | 14.85 | 0.00067 |
| 28.99 | 13.44 | 0.00065 | 30.41 | 12.02 | 0.00063 |
| 31.82 | 10.61 | 0.00061 | 33.23 | 9.19 | 0.00060 |
| 35.36 | 7.07 | 0.00057 | 38.89 | 3.54 | 0.00053 |
| 42.43 | 0.00 | 0.00050 | 49.50 | -7.07 | 0.00043 |
| 56.57 | -14.14 | 0.00037 | 63.64 | -21.21 | 0.00031 |
| 70.71 | -28.28 | 0.00027 | 77.78 | -35.36 | 0.00023 |
| 84.85 | -42.43 | 0.00020 | 91.92 | -49.50 | 0.00017 |
| -42.43 | 98.99 | 0.00096 | -35.36 | 91.92 | 0.00097 |
| -28.28 | 84.85 | 0.00098 | -21.21 | 77.78 | 0.00097 |
| -14.14 | 70.71 | 0.00096 | -7.07 | 63.64 | 0.00093 |
| 0.00 | 56.57 | 0.00089 | 7.07 | 49.50 | 0.00083 |
| 10.61 | 45.96 | 0.00081 | 14.14 | 42.43 | 0.00079 |

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

18:13:13
 **MODELOPTs:
 PAGE 94
 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 | 0.00077 | 17.68 | 38.89 | 0.00076 |
| 19.09 | 37.48 | 0.00075 | 20.51 | 36.06 | 0.00074 |
| 21.92 | 34.65 | 0.00072 | 34.65 | 21.92 | 0.00058 |
| 36.06 | 20.51 | 0.00057 | 37.48 | 19.09 | 0.00055 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 38.89 | 17.68 | 0.00054 | 40.31 | 16.26 | 0.00052 |
| 42.43 | 14.14 | 0.00050 | 45.96 | 10.61 | 0.00047 |
| 49.50 | 7.07 | 0.00044 | 56.57 | 0.00 | 0.00039 |
| 63.64 | -7.07 | 0.00034 | 70.71 | -14.14 | 0.00029 |
| 77.78 | -21.21 | 0.00025 | 84.85 | -28.28 | 0.00022 |
| 91.92 | -35.36 | 0.00019 | 98.99 | -42.43 | 0.00017 |
| -35.36 | 106.07 | 0.00084 | -28.28 | 98.99 | 0.00084 |
| -21.21 | 91.92 | 0.00084 | -14.14 | 84.85 | 0.00084 |
| -7.07 | 77.78 | 0.00082 | 0.00 | 70.71 | 0.00079 |
| 7.07 | 63.64 | 0.00075 | 14.14 | 56.57 | 0.00071 |
| 17.68 | 53.03 | 0.00069 | 21.21 | 49.50 | 0.00067 |
| 23.33 | 47.38 | 0.00066 | 24.75 | 45.96 | 0.00065 |
| 26.16 | 44.55 | 0.00064 | 27.58 | 43.13 | 0.00063 |
| 28.99 | 41.72 | 0.00062 | 41.72 | 28.99 | 0.00051 |
| 43.13 | 27.58 | 0.00050 | 44.55 | 26.16 | 0.00048 |
| 45.96 | 24.75 | 0.00047 | 47.38 | 23.33 | 0.00046 |
| 49.50 | 21.21 | 0.00044 | 53.03 | 17.68 | 0.00042 |
| 56.57 | 14.14 | 0.00040 | 63.64 | 7.07 | 0.00035 |
| 70.71 | 0.00 | 0.00031 | 77.78 | -7.07 | 0.00027 |
| 84.85 | -14.14 | 0.00024 | 91.92 | -21.21 | 0.00021 |
| 98.99 | -28.28 | 0.00018 | 106.07 | -35.36 | 0.00016 |
| -28.28 | 113.14 | 0.00074 | -21.21 | 106.07 | 0.00074 |
| -14.14 | 98.99 | 0.00074 | -7.07 | 91.92 | 0.00073 |
| 0.00 | 84.85 | 0.00071 | 7.07 | 77.78 | 0.00068 |
| 14.14 | 70.71 | 0.00065 | 21.21 | 63.64 | 0.00062 |
| 24.75 | 60.10 | 0.00060 | 28.28 | 56.57 | 0.00058 |
| 30.41 | 54.45 | 0.00057 | 31.82 | 53.03 | 0.00057 |
| 33.23 | 51.62 | 0.00056 | 34.65 | 50.20 | 0.00055 |
| 36.06 | 48.79 | 0.00054 | 48.79 | 36.06 | 0.00045 |
| 50.20 | 34.65 | 0.00044 | 51.62 | 33.23 | 0.00043 |
| 53.03 | 31.82 | 0.00042 | 54.45 | 30.41 | 0.00041 |
| 56.57 | 28.28 | 0.00040 | 60.10 | 24.75 | 0.00038 |
| 63.64 | 21.21 | 0.00036 | 70.71 | 14.14 | 0.00032 |
| 77.78 | 7.07 | 0.00028 | 84.85 | 0.00 | 0.00025 |
| 91.92 | -7.07 | 0.00022 | 98.99 | -14.14 | 0.00020 |
| 106.07 | -21.21 | 0.00017 | 113.14 | -28.28 | 0.00016 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 ***

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound
 ** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -21.21 | 120.21 | 0.00065 | -14.14 | 113.14 | 0.00065 |
| -7.07 | 106.07 | 0.00065 | 0.00 | 98.99 | 0.00063 |
| 7.07 | 91.92 | 0.00061 | 14.14 | 84.85 | 0.00059 |
| 21.21 | 77.78 | 0.00056 | 28.28 | 70.71 | 0.00054 |
| 31.82 | 67.18 | 0.00053 | 35.36 | 63.64 | 0.00051 |
| 37.48 | 61.52 | 0.00050 | 38.89 | 60.10 | 0.00050 |
| 40.31 | 58.69 | 0.00049 | 41.72 | 57.28 | 0.00048 |
| 43.13 | 55.86 | 0.00048 | 55.86 | 43.13 | 0.00040 |
| 57.28 | 41.72 | 0.00039 | 58.69 | 40.31 | 0.00038 |
| 60.10 | 38.89 | 0.00037 | 61.52 | 37.48 | 0.00037 |
| 63.64 | 35.36 | 0.00035 | 67.18 | 31.82 | 0.00034 |
| 70.71 | 28.28 | 0.00032 | 77.78 | 21.21 | 0.00029 |
| 84.85 | 14.14 | 0.00026 | 91.92 | 7.07 | 0.00023 |
| 98.99 | 0.00 | 0.00021 | 106.07 | -7.07 | 0.00019 |
| 113.14 | -14.14 | 0.00017 | 120.21 | -21.21 | 0.00015 |
| -14.14 | 127.28 | 0.00058 | -7.07 | 120.21 | 0.00058 |
| 0.00 | 113.14 | 0.00057 | 7.07 | 106.07 | 0.00056 |
| 14.14 | 98.99 | 0.00054 | 21.21 | 91.92 | 0.00052 |
| 28.28 | 84.85 | 0.00049 | 35.36 | 77.78 | 0.00047 |
| 38.89 | 74.25 | 0.00046 | 42.43 | 70.71 | 0.00045 |
| 44.55 | 68.59 | 0.00044 | 45.96 | 67.18 | 0.00044 |
| 47.38 | 65.76 | 0.00043 | 48.79 | 64.35 | 0.00043 |
| 50.20 | 62.93 | 0.00042 | 62.93 | 50.20 | 0.00036 |
| 64.35 | 48.79 | 0.00035 | 65.76 | 47.38 | 0.00034 |
| 67.18 | 45.96 | 0.00034 | 68.59 | 44.55 | 0.00033 |
| 70.71 | 42.43 | 0.00032 | 74.25 | 38.89 | 0.00030 |
| 77.78 | 35.36 | 0.00029 | 84.85 | 28.28 | 0.00026 |
| 91.92 | 21.21 | 0.00024 | 98.99 | 14.14 | 0.00022 |
| 106.07 | 7.07 | 0.00020 | 113.14 | 0.00 | 0.00018 |
| 120.21 | -7.07 | 0.00016 | 127.28 | -14.14 | 0.00014 |
| -7.07 | 134.35 | 0.00052 | 0.00 | 127.28 | 0.00051 |
| 7.07 | 120.21 | 0.00051 | 14.14 | 113.14 | 0.00049 |
| 21.21 | 106.07 | 0.00047 | 28.28 | 98.99 | 0.00045 |
| 35.36 | 91.92 | 0.00044 | 42.43 | 84.85 | 0.00042 |
| 45.96 | 81.32 | 0.00041 | 49.50 | 77.78 | 0.00040 |
| 51.62 | 75.66 | 0.00040 | 53.03 | 74.25 | 0.00039 |
| 54.45 | 72.83 | 0.00039 | 55.86 | 71.42 | 0.00038 |
| 57.28 | 70.00 | 0.00038 | 70.00 | 57.28 | 0.00032 |
| 71.42 | 55.86 | 0.00031 | 72.83 | 54.45 | 0.00031 |
| 74.25 | 53.03 | 0.00030 | 75.66 | 51.62 | 0.00030 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW 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 | |
| 77.78 | 49.50 | 0.00029 | 81.32 | 45.96 | 0.00028 | |
| 84.85 | 42.43 | 0.00026 | 91.92 | 35.36 | 0.00024 | |
| 98.99 | 28.28 | 0.00022 | 106.07 | 21.21 | 0.00020 | |
| 113.14 | 14.14 | 0.00018 | 120.21 | 7.07 | 0.00017 | |
| 127.28 | 0.00 | 0.00015 | 134.35 | -7.07 | 0.00013 | |
| 0.00 | 141.42 | 0.00047 | 7.07 | 134.35 | 0.00046 | |
| 14.14 | 127.28 | 0.00045 | 21.21 | 120.21 | 0.00044 | |
| 28.28 | 113.14 | 0.00042 | 35.36 | 106.07 | 0.00040 | |
| 42.43 | 98.99 | 0.00039 | 49.50 | 91.92 | 0.00038 | |
| 53.03 | 88.39 | 0.00037 | 56.57 | 84.85 | 0.00036 | |
| 58.69 | 82.73 | 0.00035 | 60.10 | 81.32 | 0.00035 | |
| 61.52 | 79.90 | 0.00035 | 62.93 | 78.49 | 0.00034 | |
| 64.35 | 77.07 | 0.00034 | 77.07 | 64.35 | 0.00029 | |
| 78.49 | 62.93 | 0.00029 | 79.90 | 61.52 | 0.00028 | |
| 81.32 | 60.10 | 0.00028 | 82.73 | 58.69 | 0.00027 | |
| 84.85 | 56.57 | 0.00026 | 88.39 | 53.03 | 0.00025 | |
| 91.92 | 49.50 | 0.00024 | 98.99 | 42.43 | 0.00022 | |
| 106.07 | 35.36 | 0.00020 | 113.14 | 28.28 | 0.00019 | |
| 120.21 | 21.21 | 0.00017 | 127.28 | 14.14 | 0.00016 | |
| 134.35 | 7.07 | 0.00014 | 141.42 | 0.00 | 0.00013 | |
| 7.07 | 148.49 | 0.00042 | 14.14 | 141.42 | 0.00041 | |
| 21.21 | 134.35 | 0.00040 | 28.28 | 127.28 | 0.00039 | |
| 35.36 | 120.21 | 0.00038 | 42.43 | 113.14 | 0.00036 | |
| 49.50 | 106.07 | 0.00035 | 56.57 | 98.99 | 0.00034 | |
| 60.10 | 95.46 | 0.00033 | 63.64 | 91.92 | 0.00032 | |
| 65.76 | 89.80 | 0.00032 | 67.18 | 88.39 | 0.00032 | |
| 68.59 | 86.97 | 0.00031 | 70.00 | 85.56 | 0.00031 | |
| 71.42 | 84.15 | 0.00030 | 84.15 | 71.42 | 0.00026 | |
| 85.56 | 70.00 | 0.00026 | 86.97 | 68.59 | 0.00026 | |
| 88.39 | 67.18 | 0.00025 | 89.80 | 65.76 | 0.00025 | |
| 91.92 | 63.64 | 0.00024 | 95.46 | 60.10 | 0.00023 | |
| 98.99 | 56.57 | 0.00022 | 106.07 | 49.50 | 0.00021 | |
| 113.14 | 42.43 | 0.00019 | 120.21 | 35.36 | 0.00017 | |
| 127.28 | 28.28 | 0.00016 | 134.35 | 21.21 | 0.00015 | |
| 141.42 | 14.14 | 0.00013 | 148.49 | 7.07 | 0.00012 | |
| 14.14 | 155.56 | 0.00038 | 21.21 | 148.49 | 0.00037 | |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|-------|--------|---------|-------|--------|---------|
| 28.28 | 141.42 | 0.00036 | 35.36 | 134.35 | 0.00035 |
| 42.43 | 127.28 | 0.00034 | 49.50 | 120.21 | 0.00033 |
| 56.57 | 113.14 | 0.00032 | 63.64 | 106.07 | 0.00031 |
| 67.18 | 102.53 | 0.00030 | 70.71 | 98.99 | 0.00029 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 72.83 | 96.87 | 0.00029 | 74.25 | 95.46 | 0.00029 |
| 75.66 | 94.05 | 0.00028 | 77.07 | 92.63 | 0.00028 |
| 78.49 | 91.22 | 0.00028 | 91.22 | 78.49 | 0.00024 |
| 92.63 | 77.07 | 0.00024 | 94.05 | 75.66 | 0.00023 |
| 95.46 | 74.25 | 0.00023 | 96.87 | 72.83 | 0.00023 |
| 98.99 | 70.71 | 0.00022 | 102.53 | 67.18 | 0.00021 |
| 106.07 | 63.64 | 0.00020 | 113.14 | 56.57 | 0.00019 |
| 120.21 | 49.50 | 0.00018 | 127.28 | 42.43 | 0.00016 |
| 134.35 | 35.36 | 0.00015 | 141.42 | 28.28 | 0.00014 |
| 148.49 | 21.21 | 0.00013 | 155.56 | 14.14 | 0.00012 |
| 21.21 | 162.63 | 0.00034 | 28.28 | 155.56 | 0.00034 |
| 35.36 | 148.49 | 0.00033 | 42.43 | 141.42 | 0.00032 |
| 49.50 | 134.35 | 0.00031 | 56.57 | 127.28 | 0.00030 |
| 63.64 | 120.21 | 0.00029 | 70.71 | 113.14 | 0.00028 |
| 74.25 | 109.60 | 0.00027 | 77.78 | 106.07 | 0.00027 |
| 79.90 | 103.94 | 0.00026 | 81.32 | 102.53 | 0.00026 |
| 82.73 | 101.12 | 0.00026 | 84.15 | 99.70 | 0.00025 |
| 85.56 | 98.29 | 0.00025 | 98.29 | 85.56 | 0.00022 |
| 99.70 | 84.15 | 0.00022 | 101.12 | 82.73 | 0.00021 |
| 102.53 | 81.32 | 0.00021 | 103.94 | 79.90 | 0.00021 |
| 106.07 | 77.78 | 0.00020 | 109.60 | 74.25 | 0.00020 |
| 113.14 | 70.71 | 0.00019 | 120.21 | 63.64 | 0.00018 |
| 127.28 | 56.57 | 0.00016 | 134.35 | 49.50 | 0.00015 |
| 141.42 | 42.43 | 0.00014 | 148.49 | 35.36 | 0.00013 |
| 155.56 | 28.28 | 0.00012 | 162.63 | 21.21 | 0.00011 |
| 28.28 | 169.71 | 0.00031 | 35.36 | 162.63 | 0.00031 |
| 42.43 | 155.56 | 0.00030 | 49.50 | 148.49 | 0.00029 |
| 56.57 | 141.42 | 0.00028 | 63.64 | 134.35 | 0.00027 |
| 70.71 | 127.28 | 0.00026 | 77.78 | 120.21 | 0.00025 |
| 81.32 | 116.67 | 0.00025 | 84.85 | 113.14 | 0.00024 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 86.97 | 111.02 | 0.00024 | 88.39 | 109.60 | 0.00024 |
| 89.80 | 108.19 | 0.00024 | 91.22 | 106.77 | 0.00023 |
| 92.63 | 105.36 | 0.00023 | 105.36 | 92.63 | 0.00020 |
| 106.77 | 91.22 | 0.00020 | 108.19 | 89.80 | 0.00020 |
| 109.60 | 88.39 | 0.00019 | 111.02 | 86.97 | 0.00019 |
| 113.14 | 84.85 | 0.00019 | 116.67 | 81.32 | 0.00018 |
| 120.21 | 77.78 | 0.00018 | 127.28 | 70.71 | 0.00016 |
| 134.35 | 63.64 | 0.00015 | 141.42 | 56.57 | 0.00014 |
| 148.49 | 49.50 | 0.00013 | 155.56 | 42.43 | 0.00012 |
| 162.63 | 35.36 | 0.00011 | 169.71 | 28.28 | 0.00011 |

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

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 35.36 | 176.78 | 0.00029 | 42.43 | 169.71 | 0.00028 |
| 49.50 | 162.63 | 0.00027 | 56.57 | 155.56 | 0.00026 |
| 63.64 | 148.49 | 0.00025 | 70.71 | 141.42 | 0.00025 |
| 77.78 | 134.35 | 0.00024 | 84.85 | 127.28 | 0.00023 |
| 88.39 | 123.74 | 0.00023 | 91.92 | 120.21 | 0.00022 |
| 94.05 | 118.09 | 0.00022 | 95.46 | 116.67 | 0.00022 |
| 96.87 | 115.26 | 0.00022 | 98.29 | 113.84 | 0.00021 |
| 99.70 | 112.43 | 0.00021 | 112.43 | 99.70 | 0.00019 |
| 113.84 | 98.29 | 0.00019 | 115.26 | 96.87 | 0.00018 |
| 116.67 | 95.46 | 0.00018 | 118.09 | 94.05 | 0.00018 |
| 120.21 | 91.92 | 0.00017 | 123.74 | 88.39 | 0.00017 |
| 127.28 | 84.85 | 0.00016 | 134.35 | 77.78 | 0.00015 |
| 141.42 | 70.71 | 0.00014 | 148.49 | 63.64 | 0.00013 |
| 155.56 | 56.57 | 0.00013 | 162.63 | 49.50 | 0.00012 |
| 169.71 | 42.43 | 0.00011 | 176.78 | 35.36 | 0.00010 |
| 42.43 | 183.85 | 0.00026 | 49.50 | 176.78 | 0.00025 |
| 56.57 | 169.71 | 0.00025 | 63.64 | 162.63 | 0.00024 |
| 70.71 | 155.56 | 0.00023 | 77.78 | 148.49 | 0.00023 |
| 84.85 | 141.42 | 0.00022 | 91.92 | 134.35 | 0.00021 |
| 95.46 | 130.81 | 0.00021 | 98.99 | 127.28 | 0.00021 |
| 101.12 | 125.16 | 0.00020 | 102.53 | 123.74 | 0.00020 |
| 103.94 | 122.33 | 0.00020 | 105.36 | 120.92 | 0.00020 |
| 106.77 | 119.50 | 0.00020 | 119.50 | 106.77 | 0.00017 |
| 120.92 | 105.36 | 0.00017 | 122.33 | 103.94 | 0.00017 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 123.74 | 102.53 | 0.00017 | 125.16 | 101.12 | 0.00017 |
| 127.28 | 98.99 | 0.00016 | 130.81 | 95.46 | 0.00016 |
| 134.35 | 91.92 | 0.00015 | 141.42 | 84.85 | 0.00014 |
| 148.49 | 77.78 | 0.00013 | 155.56 | 70.71 | 0.00013 |
| 162.63 | 63.64 | 0.00012 | 169.71 | 56.57 | 0.00011 |
| 176.78 | 49.50 | 0.00010 | 183.85 | 42.43 | 0.00010 |
| 49.50 | 190.92 | 0.00024 | 56.57 | 183.85 | 0.00023 |
| 63.64 | 176.78 | 0.00023 | 70.71 | 169.71 | 0.00022 |
| 77.78 | 162.63 | 0.00022 | 84.85 | 155.56 | 0.00021 |
| 91.92 | 148.49 | 0.00020 | 98.99 | 141.42 | 0.00020 |
| 102.53 | 137.89 | 0.00019 | 106.07 | 134.35 | 0.00019 |
| 108.19 | 132.23 | 0.00019 | 109.60 | 130.81 | 0.00019 |
| 111.02 | 129.40 | 0.00018 | 112.43 | 127.99 | 0.00018 |
| 113.84 | 126.57 | 0.00018 | 126.57 | 113.84 | 0.00016 |
| 127.99 | 112.43 | 0.00016 | 129.40 | 111.02 | 0.00016 |
| 130.81 | 109.60 | 0.00016 | 132.23 | 108.19 | 0.00015 |

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

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 134.35 | 106.07 | 0.00015 | 137.89 | 102.53 | 0.00015 |
| 141.42 | 98.99 | 0.00014 | 148.49 | 91.92 | 0.00013 |
| 155.56 | 84.85 | 0.00013 | 162.63 | 77.78 | 0.00012 |
| 169.71 | 70.71 | 0.00011 | 176.78 | 63.64 | 0.00010 |
| 183.85 | 56.57 | 0.00010 | 190.92 | 49.50 | 0.00009 |
| 56.57 | 197.99 | 0.00022 | 63.64 | 190.92 | 0.00022 |
| 70.71 | 183.85 | 0.00021 | 77.78 | 176.78 | 0.00020 |
| 84.85 | 169.71 | 0.00020 | 91.92 | 162.63 | 0.00019 |
| 98.99 | 155.56 | 0.00019 | 106.07 | 148.49 | 0.00018 |
| 109.60 | 144.96 | 0.00018 | 113.14 | 141.42 | 0.00018 |
| 115.26 | 139.30 | 0.00017 | 116.67 | 137.89 | 0.00017 |
| 118.09 | 136.47 | 0.00017 | 119.50 | 135.06 | 0.00017 |
| 120.92 | 133.64 | 0.00017 | 133.64 | 120.92 | 0.00015 |
| 135.06 | 119.50 | 0.00015 | 136.47 | 118.09 | 0.00015 |
| 137.89 | 116.67 | 0.00015 | 139.30 | 115.26 | 0.00014 |
| 141.42 | 113.14 | 0.00014 | 144.96 | 109.60 | 0.00014 |
| 148.49 | 106.07 | 0.00013 | 155.56 | 98.99 | 0.00013 |
| 162.63 | 91.92 | 0.00012 | 169.71 | 84.85 | 0.00011 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 176.78 | 77.78 | 0.00011 | 183.85 | 70.71 | 0.00010 |
| 190.92 | 63.64 | 0.00009 | 197.99 | 56.57 | 0.00009 |
| 63.64 | 205.06 | 0.00020 | 70.71 | 197.99 | 0.00020 |
| 77.78 | 190.92 | 0.00019 | 84.85 | 183.85 | 0.00019 |
| 91.92 | 176.78 | 0.00019 | 98.99 | 169.71 | 0.00018 |
| 106.07 | 162.63 | 0.00018 | 113.14 | 155.56 | 0.00017 |
| 116.67 | 152.03 | 0.00017 | 120.21 | 148.49 | 0.00016 |
| 122.33 | 146.37 | 0.00016 | 123.74 | 144.96 | 0.00016 |
| 125.16 | 143.54 | 0.00016 | 126.57 | 142.13 | 0.00016 |
| 127.99 | 140.71 | 0.00016 | 140.71 | 127.99 | 0.00014 |
| 142.13 | 126.57 | 0.00014 | 143.54 | 125.16 | 0.00014 |
| 144.96 | 123.74 | 0.00014 | 146.37 | 122.33 | 0.00013 |
| 148.49 | 120.21 | 0.00013 | 152.03 | 116.67 | 0.00013 |
| 155.56 | 113.14 | 0.00012 | 162.63 | 106.07 | 0.00012 |
| 169.71 | 98.99 | 0.00011 | 176.78 | 91.92 | 0.00011 |
| 183.85 | 84.85 | 0.00010 | 190.92 | 77.78 | 0.00009 |
| 197.99 | 70.71 | 0.00009 | 205.06 | 63.64 | 0.00008 |
| 70.71 | 212.13 | 0.00019 | 77.78 | 205.06 | 0.00018 |
| 84.85 | 197.99 | 0.00018 | 91.92 | 190.92 | 0.00018 |
| 98.99 | 183.85 | 0.00017 | 106.07 | 176.78 | 0.00017 |
| 113.14 | 169.71 | 0.00016 | 120.21 | 162.63 | 0.00016 |
| 123.74 | 159.10 | 0.00016 | 127.28 | 155.56 | 0.00015 |

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

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 129.40 | 153.44 | 0.00015 | 130.81 | 152.03 | 0.00015 |
| 132.23 | 150.61 | 0.00015 | 133.64 | 149.20 | 0.00015 |
| 135.06 | 147.79 | 0.00015 | 147.79 | 135.06 | 0.00013 |
| 149.20 | 133.64 | 0.00013 | 150.61 | 132.23 | 0.00013 |
| 152.03 | 130.81 | 0.00013 | 153.44 | 129.40 | 0.00013 |
| 155.56 | 127.28 | 0.00012 | 159.10 | 123.74 | 0.00012 |
| 162.63 | 120.21 | 0.00012 | 169.71 | 113.14 | 0.00011 |
| 176.78 | 106.07 | 0.00011 | 183.85 | 98.99 | 0.00010 |
| 190.92 | 91.92 | 0.00009 | 197.99 | 84.85 | 0.00009 |
| 205.06 | 77.78 | 0.00008 | 212.13 | 70.71 | 0.00008 |
| 77.78 | 219.20 | 0.00018 | 84.85 | 212.13 | 0.00017 |
| 91.92 | 205.06 | 0.00017 | 98.99 | 197.99 | 0.00016 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 106.07 | 190.92 | 0.00016 | 113.14 | 183.85 | 0.00016 |
| 120.21 | 176.78 | 0.00015 | 127.28 | 169.71 | 0.00015 |
| 130.81 | 166.17 | 0.00015 | 134.35 | 162.63 | 0.00014 |
| 136.47 | 160.51 | 0.00014 | 137.89 | 159.10 | 0.00014 |
| 139.30 | 157.68 | 0.00014 | 140.71 | 156.27 | 0.00014 |
| 142.13 | 154.86 | 0.00014 | 154.86 | 142.13 | 0.00012 |
| 156.27 | 140.71 | 0.00012 | 157.68 | 139.30 | 0.00012 |
| 159.10 | 137.89 | 0.00012 | 160.51 | 136.47 | 0.00012 |
| 162.63 | 134.35 | 0.00012 | 166.17 | 130.81 | 0.00011 |
| 169.71 | 127.28 | 0.00011 | 176.78 | 120.21 | 0.00010 |
| 183.85 | 113.14 | 0.00010 | 190.92 | 106.07 | 0.00009 |
| 197.99 | 98.99 | 0.00009 | 205.06 | 91.92 | 0.00009 |
| 212.13 | 84.85 | 0.00008 | 219.20 | 77.78 | 0.00008 |
| 84.85 | 226.27 | 0.00016 | 91.92 | 219.20 | 0.00016 |
| 98.99 | 212.13 | 0.00016 | 106.07 | 205.06 | 0.00015 |
| 113.14 | 197.99 | 0.00015 | 120.21 | 190.92 | 0.00015 |
| 127.28 | 183.85 | 0.00014 | 134.35 | 176.78 | 0.00014 |
| 137.89 | 173.24 | 0.00014 | 141.42 | 169.71 | 0.00013 |
| 143.54 | 167.58 | 0.00013 | 144.96 | 166.17 | 0.00013 |
| 146.37 | 164.76 | 0.00013 | 147.79 | 163.34 | 0.00013 |
| 149.20 | 161.93 | 0.00013 | 161.93 | 149.20 | 0.00012 |
| 163.34 | 147.79 | 0.00012 | 164.76 | 146.37 | 0.00011 |
| 166.17 | 144.96 | 0.00011 | 167.58 | 143.54 | 0.00011 |
| 169.71 | 141.42 | 0.00011 | 173.24 | 137.89 | 0.00011 |
| 176.78 | 134.35 | 0.00010 | 183.85 | 127.28 | 0.00010 |
| 190.92 | 120.21 | 0.00009 | 197.99 | 113.14 | 0.00009 |
| 205.06 | 106.07 | 0.00009 | 212.13 | 98.99 | 0.00008 |
| 219.20 | 91.92 | 0.00008 | 226.27 | 84.85 | 0.00007 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 91.92 | 233.35 | 0.00015 | 98.99 | 226.27 | 0.00015 |
| 106.07 | 219.20 | 0.00015 | 113.14 | 212.13 | 0.00014 |
| 120.21 | 205.06 | 0.00014 | 127.28 | 197.99 | 0.00014 |
| 134.35 | 190.92 | 0.00013 | 141.42 | 183.85 | 0.00013 |
| 144.96 | 180.31 | 0.00013 | 148.49 | 176.78 | 0.00013 |
| 150.61 | 174.66 | 0.00012 | 152.03 | 173.24 | 0.00012 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 153.44 | 171.83 | 0.00012 | 154.86 | 170.41 | 0.00012 |
| 156.27 | 169.00 | 0.00012 | 169.00 | 156.27 | 0.00011 |
| 170.41 | 154.86 | 0.00011 | 171.83 | 153.44 | 0.00011 |
| 173.24 | 152.03 | 0.00011 | 174.66 | 150.61 | 0.00011 |
| 176.78 | 148.49 | 0.00010 | 180.31 | 144.96 | 0.00010 |
| 183.85 | 141.42 | 0.00010 | 190.92 | 134.35 | 0.00009 |
| 197.99 | 127.28 | 0.00009 | 205.06 | 120.21 | 0.00009 |
| 212.13 | 113.14 | 0.00008 | 219.20 | 106.07 | 0.00008 |
| 226.27 | 98.99 | 0.00007 | 233.35 | 91.92 | 0.00007 |
| 98.99 | 240.42 | 0.00014 | 106.07 | 233.35 | 0.00014 |
| 113.14 | 226.27 | 0.00014 | 120.21 | 219.20 | 0.00014 |
| 127.28 | 212.13 | 0.00013 | 134.35 | 205.06 | 0.00013 |
| 141.42 | 197.99 | 0.00013 | 148.49 | 190.92 | 0.00012 |
| 152.03 | 187.38 | 0.00012 | 155.56 | 183.85 | 0.00012 |
| 157.68 | 181.73 | 0.00012 | 159.10 | 180.31 | 0.00012 |
| 160.51 | 178.90 | 0.00012 | 161.93 | 177.48 | 0.00011 |
| 163.34 | 176.07 | 0.00011 | 176.07 | 163.34 | 0.00010 |
| 177.48 | 161.93 | 0.00010 | 178.90 | 160.51 | 0.00010 |
| 180.31 | 159.10 | 0.00010 | 181.73 | 157.68 | 0.00010 |
| 183.85 | 155.56 | 0.00010 | 187.38 | 152.03 | 0.00010 |
| 190.92 | 148.49 | 0.00009 | 197.99 | 141.42 | 0.00009 |
| 205.06 | 134.35 | 0.00009 | 212.13 | 127.28 | 0.00008 |
| 219.20 | 120.21 | 0.00008 | 226.27 | 113.14 | 0.00007 |
| 233.35 | 106.07 | 0.00007 | 240.42 | 98.99 | 0.00007 |
| 106.07 | 247.49 | 0.00013 | 113.14 | 240.42 | 0.00013 |
| 120.21 | 233.35 | 0.00013 | 127.28 | 226.27 | 0.00013 |
| 134.35 | 219.20 | 0.00012 | 141.42 | 212.13 | 0.00012 |
| 148.49 | 205.06 | 0.00012 | 155.56 | 197.99 | 0.00012 |
| 159.10 | 194.45 | 0.00011 | 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 | 0.00010 |
| 184.55 | 169.00 | 0.00010 | 185.97 | 167.58 | 0.00010 |
| 187.38 | 166.17 | 0.00010 | 188.80 | 164.76 | 0.00009 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 |
|-------------|-------------|-------|-------------|-------------|-------|
| ----- | ----- | ----- | ----- | ----- | ----- |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 190.92 | 162.63 | 0.00009 | 194.45 | 159.10 | 0.00009 |
| 197.99 | 155.56 | 0.00009 | 205.06 | 148.49 | 0.00008 |
| 212.13 | 141.42 | 0.00008 | 219.20 | 134.35 | 0.00008 |
| 226.27 | 127.28 | 0.00007 | 233.35 | 120.21 | 0.00007 |
| 240.42 | 113.14 | 0.00007 | 247.49 | 106.07 | 0.00006 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -247.49 | -106.07 | 0.00043 | -240.42 | -113.14 | 0.00052 |
| -233.35 | -120.21 | 0.00063 | -226.27 | -127.28 | 0.00077 |
| -219.20 | -134.35 | 0.00097 | -212.13 | -141.42 | 0.00123 |
| -205.06 | -148.49 | 0.00158 | -197.99 | -155.56 | 0.00205 |
| -194.45 | -159.10 | 0.00232 | -190.92 | -162.63 | 0.00260 |
| -188.80 | -164.76 | 0.00276 | -187.38 | -166.17 | 0.00286 |
| -185.97 | -167.58 | 0.00296 | -184.55 | -169.00 | 0.00304 |
| -183.14 | -170.41 | 0.00311 | -170.41 | -183.14 | 0.00346 |
| -169.00 | -184.55 | 0.00347 | -167.58 | -185.97 | 0.00348 |
| -166.17 | -187.38 | 0.00346 | -164.76 | -188.80 | 0.00343 |
| -162.63 | -190.92 | 0.00334 | -159.10 | -194.45 | 0.00314 |
| -155.56 | -197.99 | 0.00289 | -148.49 | -205.06 | 0.00237 |
| -141.42 | -212.13 | 0.00191 | -134.35 | -219.20 | 0.00153 |
| -127.28 | -226.27 | 0.00124 | -120.21 | -233.35 | 0.00100 |
| -113.14 | -240.42 | 0.00082 | -106.07 | -247.49 | 0.00068 |
| -240.42 | -98.99 | 0.00043 | -233.35 | -106.07 | 0.00052 |
| -226.27 | -113.14 | 0.00063 | -219.20 | -120.21 | 0.00078 |
| -212.13 | -127.28 | 0.00097 | -205.06 | -134.35 | 0.00124 |
| -197.99 | -141.42 | 0.00161 | -190.92 | -148.49 | 0.00212 |
| -187.38 | -152.03 | 0.00244 | -183.85 | -155.56 | 0.00280 |
| -181.73 | -157.68 | 0.00304 | -180.31 | -159.10 | 0.00321 |
| -178.90 | -160.51 | 0.00337 | -177.48 | -161.93 | 0.00353 |
| -176.07 | -163.34 | 0.00367 | -163.34 | -176.07 | 0.00427 |
| -161.93 | -177.48 | 0.00425 | -160.51 | -178.90 | 0.00418 |
| -159.10 | -180.31 | 0.00409 | -157.68 | -181.73 | 0.00398 |
| -155.56 | -183.85 | 0.00379 | -152.03 | -187.38 | 0.00344 |
| -148.49 | -190.92 | 0.00309 | -141.42 | -197.99 | 0.00245 |
| -134.35 | -205.06 | 0.00193 | -127.28 | -212.13 | 0.00153 |
| -120.21 | -219.20 | 0.00121 | -113.14 | -226.27 | 0.00098 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -106.07 | -233.35 | 0.00079 | -98.99 | -240.42 | 0.00065 |
| -233.35 | -91.92 | 0.00045 | -226.27 | -99.00 | 0.00053 |
| -219.20 | -106.07 | 0.00064 | -212.13 | -113.14 | 0.00078 |
| -205.06 | -120.21 | 0.00098 | -197.99 | -127.28 | 0.00125 |
| -190.92 | -134.35 | 0.00163 | -183.85 | -141.42 | 0.00216 |
| -180.31 | -144.96 | 0.00251 | -176.78 | -148.49 | 0.00291 |
| -174.66 | -150.61 | 0.00319 | -173.24 | -152.03 | 0.00340 |
| -171.83 | -153.44 | 0.00362 | -170.41 | -154.86 | 0.00389 |
| -169.00 | -156.27 | 0.00418 | -156.27 | -169.00 | 0.00516 |
| -154.86 | -170.41 | 0.00495 | -153.44 | -171.83 | 0.00474 |
| -152.03 | -173.24 | 0.00453 | -150.61 | -174.66 | 0.00434 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -148.49 | -176.78 | 0.00405 | -144.96 | -180.31 | 0.00359 |
| -141.42 | -183.85 | 0.00317 | -134.35 | -190.92 | 0.00246 |
| -127.28 | -197.99 | 0.00190 | -120.21 | -205.06 | 0.00148 |
| -113.14 | -212.13 | 0.00116 | -106.07 | -219.20 | 0.00093 |
| -98.99 | -226.27 | 0.00075 | -91.92 | -233.35 | 0.00062 |
| -226.27 | -84.85 | 0.00047 | -219.20 | -91.92 | 0.00055 |
| -212.13 | -99.00 | 0.00066 | -205.06 | -106.07 | 0.00081 |
| -197.99 | -113.14 | 0.00101 | -190.92 | -120.21 | 0.00130 |
| -183.85 | -127.28 | 0.00170 | -176.78 | -134.35 | 0.00228 |
| -173.24 | -137.89 | 0.00267 | -169.71 | -141.42 | 0.00315 |
| -167.58 | -143.54 | 0.00351 | -166.17 | -144.96 | 0.00378 |
| -164.76 | -146.37 | 0.00411 | -163.34 | -147.79 | 0.00454 |
| -161.93 | -149.20 | 0.00511 | -149.20 | -161.93 | 0.00548 |
| -147.79 | -163.34 | 0.00516 | -146.37 | -164.76 | 0.00489 |
| -144.96 | -166.17 | 0.00464 | -143.54 | -167.58 | 0.00441 |
| -141.42 | -169.71 | 0.00408 | -137.89 | -173.24 | 0.00358 |
| -134.35 | -176.78 | 0.00312 | -127.28 | -183.85 | 0.00237 |
| -120.21 | -190.92 | 0.00181 | -113.14 | -197.99 | 0.00139 |
| -106.07 | -205.06 | 0.00109 | -98.99 | -212.13 | 0.00086 |
| -91.92 | -219.20 | 0.00070 | -84.85 | -226.27 | 0.00058 |
| -219.20 | -77.78 | 0.00050 | -212.13 | -84.85 | 0.00059 |
| -205.06 | -91.92 | 0.00071 | -197.99 | -99.00 | 0.00087 |
| -190.92 | -106.07 | 0.00109 | -183.85 | -113.14 | 0.00142 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -176.78 | -120.21 | 0.00192 | -169.71 | -127.28 | 0.00274 |
| -166.17 | -130.81 | 0.00338 | -162.63 | -134.35 | 0.00424 |
| -160.51 | -136.47 | 0.00488 | -159.10 | -137.89 | 0.00536 |
| -157.68 | -139.30 | 0.00588 | -156.27 | -140.71 | 0.00645 |
| -154.86 | -142.13 | 0.00710 | -142.13 | -154.86 | 0.00563 |
| -140.71 | -156.27 | 0.00523 | -139.30 | -157.68 | 0.00490 |
| -137.89 | -159.10 | 0.00462 | -136.47 | -160.51 | 0.00436 |
| -134.35 | -162.63 | 0.00400 | -130.81 | -166.17 | 0.00347 |
| -127.28 | -169.71 | 0.00300 | -120.21 | -176.78 | 0.00224 |
| -113.14 | -183.85 | 0.00169 | -106.07 | -190.92 | 0.00129 |
| -98.99 | -197.99 | 0.00101 | -91.92 | -205.06 | 0.00080 |
| -84.85 | -212.13 | 0.00065 | -77.78 | -219.20 | 0.00054 |
| -212.13 | -70.71 | 0.00055 | -205.06 | -77.78 | 0.00065 |
| -197.99 | -84.85 | 0.00079 | -190.92 | -91.92 | 0.00098 |
| -183.85 | -98.99 | 0.00126 | -176.78 | -106.07 | 0.00169 |
| -169.71 | -113.14 | 0.00240 | -162.63 | -120.21 | 0.00357 |
| -159.10 | -123.74 | 0.00437 | -155.56 | -127.28 | 0.00532 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -153.44 | -129.40 | 0.00595 | -152.03 | -130.81 | 0.00641 |
| -150.61 | -132.23 | 0.00689 | -149.20 | -133.64 | 0.00740 |
| -147.79 | -135.06 | 0.00799 | -135.06 | -147.79 | 0.00575 |
| -133.64 | -149.20 | 0.00528 | -132.23 | -150.61 | 0.00490 |
| -130.81 | -152.03 | 0.00457 | -129.40 | -153.44 | 0.00427 |
| -127.28 | -155.56 | 0.00387 | -123.74 | -159.10 | 0.00329 |
| -120.21 | -162.63 | 0.00281 | -113.14 | -169.71 | 0.00206 |
| -106.07 | -176.78 | 0.00154 | -98.99 | -183.85 | 0.00117 |
| -91.92 | -190.92 | 0.00092 | -84.85 | -197.99 | 0.00073 |
| -77.78 | -205.06 | 0.00060 | -70.71 | -212.13 | 0.00050 |
| -205.06 | -63.64 | 0.00062 | -197.99 | -70.71 | 0.00075 |
| -190.92 | -77.78 | 0.00092 | -183.85 | -84.85 | 0.00117 |
| -176.78 | -91.92 | 0.00153 | -169.71 | -98.99 | 0.00210 |
| -162.63 | -106.07 | 0.00298 | -155.56 | -113.14 | 0.00421 |
| -152.03 | -116.67 | 0.00497 | -148.49 | -120.21 | 0.00586 |
| -146.37 | -122.33 | 0.00646 | -144.96 | -123.74 | 0.00688 |
| -143.54 | -125.16 | 0.00733 | -142.13 | -126.57 | 0.00781 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -140.71 | -127.99 | 0.00835 | -127.99 | -140.71 | 0.00572 |
| -126.57 | -142.13 | 0.00522 | -125.16 | -143.54 | 0.00480 |
| -123.74 | -144.96 | 0.00444 | -122.33 | -146.37 | 0.00411 |
| -120.21 | -148.49 | 0.00368 | -116.67 | -152.03 | 0.00306 |
| -113.14 | -155.56 | 0.00256 | -106.07 | -162.63 | 0.00184 |
| -98.99 | -169.71 | 0.00137 | -91.92 | -176.78 | 0.00105 |
| -84.85 | -183.85 | 0.00083 | -77.78 | -190.92 | 0.00067 |
| -70.71 | -197.99 | 0.00055 | -63.64 | -205.06 | 0.00045 |
| -197.99 | -56.57 | 0.00071 | -190.92 | -63.64 | 0.00088 |
| -183.85 | -70.71 | 0.00110 | -176.78 | -77.78 | 0.00142 |
| -169.71 | -84.85 | 0.00188 | -162.63 | -91.92 | 0.00253 |
| -155.56 | -98.99 | 0.00341 | -148.49 | -106.07 | 0.00456 |
| -144.96 | -109.60 | 0.00526 | -141.42 | -113.14 | 0.00608 |
| -139.30 | -115.26 | 0.00662 | -137.89 | -116.67 | 0.00701 |
| -136.47 | -118.09 | 0.00744 | -135.06 | -119.50 | 0.00789 |
| -133.64 | -120.92 | 0.00840 | -120.92 | -133.64 | 0.00552 |
| -119.50 | -135.06 | 0.00500 | -118.09 | -136.47 | 0.00456 |
| -116.67 | -137.89 | 0.00417 | -115.26 | -139.30 | 0.00383 |
| -113.14 | -141.42 | 0.00338 | -109.60 | -144.96 | 0.00275 |
| -106.07 | -148.49 | 0.00227 | -98.99 | -155.56 | 0.00160 |
| -91.92 | -162.63 | 0.00119 | -84.85 | -169.71 | 0.00092 |
| -77.78 | -176.78 | 0.00073 | -70.71 | -183.85 | 0.00060 |
| -63.64 | -190.92 | 0.00049 | -56.57 | -197.99 | 0.00041 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -190.92 | -49.50 | 0.00084 | -183.85 | -56.57 | 0.00104 |
| -176.78 | -63.64 | 0.00132 | -169.71 | -70.71 | 0.00170 |
| -162.63 | -77.78 | 0.00221 | -155.56 | -84.85 | 0.00287 |
| -148.49 | -91.92 | 0.00369 | -141.42 | -98.99 | 0.00473 |
| -137.89 | -102.53 | 0.00537 | -134.35 | -106.07 | 0.00609 |
| -132.23 | -108.19 | 0.00658 | -130.81 | -109.60 | 0.00694 |
| -129.40 | -111.02 | 0.00732 | -127.99 | -112.43 | 0.00774 |
| -126.57 | -113.84 | 0.00822 | -113.84 | -126.57 | 0.00515 |
| -112.43 | -127.99 | 0.00460 | -111.02 | -129.40 | 0.00415 |
| -109.60 | -130.81 | 0.00375 | -108.19 | -132.23 | 0.00341 |
| -106.07 | -134.35 | 0.00296 | -102.53 | -137.89 | 0.00237 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -98.99 | -141.42 | 0.00194 | -91.92 | -148.49 | 0.00137 |
| -84.85 | -155.56 | 0.00103 | -77.78 | -162.63 | 0.00080 |
| -70.71 | -169.71 | 0.00064 | -63.64 | -176.78 | 0.00053 |
| -56.57 | -183.85 | 0.00044 | -49.50 | -190.92 | 0.00037 |
| -183.85 | -42.43 | 0.00098 | -176.78 | -49.50 | 0.00122 |
| -169.71 | -56.57 | 0.00154 | -162.63 | -63.64 | 0.00195 |
| -155.56 | -70.71 | 0.00247 | -148.49 | -77.78 | 0.00310 |
| -141.42 | -84.85 | 0.00388 | -134.35 | -91.92 | 0.00482 |
| -130.81 | -95.46 | 0.00536 | -127.28 | -98.99 | 0.00599 |
| -125.16 | -101.12 | 0.00641 | -123.74 | -102.53 | 0.00672 |
| -122.33 | -103.94 | 0.00704 | -120.92 | -105.36 | 0.00742 |
| -119.50 | -106.77 | 0.00786 | -106.77 | -119.50 | 0.00457 |
| -105.36 | -120.92 | 0.00401 | -103.94 | -122.33 | 0.00356 |
| -102.53 | -123.74 | 0.00318 | -101.12 | -125.16 | 0.00285 |
| -98.99 | -127.28 | 0.00245 | -95.46 | -130.81 | 0.00196 |
| -91.92 | -134.35 | 0.00161 | -84.85 | -141.42 | 0.00116 |
| -77.78 | -148.49 | 0.00088 | -70.71 | -155.56 | 0.00069 |
| -63.64 | -162.63 | 0.00056 | -56.57 | -169.71 | 0.00047 |
| -49.50 | -176.78 | 0.00039 | -42.43 | -183.85 | 0.00034 |
| -176.78 | -35.36 | 0.00113 | -169.71 | -42.43 | 0.00139 |
| -162.63 | -49.50 | 0.00173 | -155.56 | -56.57 | 0.00214 |
| -148.49 | -63.64 | 0.00265 | -141.42 | -70.71 | 0.00326 |
| -134.35 | -77.78 | 0.00399 | -127.28 | -84.85 | 0.00486 |
| -123.74 | -88.39 | 0.00535 | -120.21 | -91.92 | 0.00588 |
| -118.09 | -94.05 | 0.00621 | -116.67 | -95.46 | 0.00644 |
| -115.26 | -96.87 | 0.00670 | -113.84 | -98.29 | 0.00700 |
| -112.43 | -99.70 | 0.00736 | -99.70 | -112.43 | 0.00374 |
| -98.29 | -113.84 | 0.00322 | -96.87 | -115.26 | 0.00282 |
| -95.46 | -116.67 | 0.00251 | -94.05 | -118.09 | 0.00226 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -91.92 | -120.21 | 0.00196 | -88.39 | -123.74 | 0.00160 |
| -84.85 | -127.28 | 0.00134 | -77.78 | -134.35 | 0.00098 |
| -70.71 | -141.42 | 0.00076 | -63.64 | -148.49 | 0.00061 |
| -56.57 | -155.56 | 0.00049 | -49.50 | -162.63 | 0.00041 |
| -42.43 | -169.71 | 0.00035 | -35.36 | -176.78 | 0.00030 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -169.71 | -28.28 | 0.00126 | -162.63 | -35.36 | 0.00153 |
| -155.56 | -42.43 | 0.00187 | -148.49 | -49.50 | 0.00227 |
| -141.42 | -56.57 | 0.00276 | -134.35 | -63.64 | 0.00334 |
| -127.28 | -70.71 | 0.00405 | -120.21 | -77.78 | 0.00486 |
| -116.67 | -81.32 | 0.00531 | -113.14 | -84.85 | 0.00577 |
| -111.02 | -86.97 | 0.00605 | -109.60 | -88.39 | 0.00624 |
| -108.19 | -89.80 | 0.00644 | -106.77 | -91.22 | 0.00664 |
| -105.36 | -92.63 | 0.00687 | -92.63 | -105.36 | 0.00279 |
| -91.22 | -106.77 | 0.00245 | -89.80 | -108.19 | 0.00219 |
| -88.39 | -109.60 | 0.00198 | -86.97 | -111.02 | 0.00182 |
| -84.85 | -113.14 | 0.00161 | -81.32 | -116.67 | 0.00134 |
| -77.78 | -120.21 | 0.00114 | -70.71 | -127.28 | 0.00086 |
| -63.64 | -134.35 | 0.00067 | -56.57 | -141.42 | 0.00054 |
| -49.50 | -148.49 | 0.00045 | -42.43 | -155.56 | 0.00038 |
| -35.36 | -162.63 | 0.00032 | -28.28 | -169.71 | 0.00028 |
| -162.63 | -21.21 | 0.00136 | -155.56 | -28.28 | 0.00164 |
| -148.49 | -35.36 | 0.00196 | -141.42 | -42.43 | 0.00234 |
| -134.35 | -49.50 | 0.00280 | -127.28 | -56.57 | 0.00335 |
| -120.21 | -63.64 | 0.00400 | -113.14 | -70.71 | 0.00472 |
| -109.60 | -74.25 | 0.00511 | -106.07 | -77.78 | 0.00548 |
| -103.94 | -79.90 | 0.00568 | -102.53 | -81.32 | 0.00580 |
| -101.12 | -82.73 | 0.00588 | -99.70 | -84.15 | 0.00591 |
| -98.29 | -85.56 | 0.00585 | -85.56 | -98.29 | 0.00235 |
| -84.15 | -99.70 | 0.00211 | -82.73 | -101.12 | 0.00191 |
| -81.32 | -102.53 | 0.00175 | -79.90 | -103.94 | 0.00161 |
| -77.78 | -106.07 | 0.00143 | -74.25 | -109.60 | 0.00120 |
| -70.71 | -113.14 | 0.00103 | -63.64 | -120.21 | 0.00078 |
| -56.57 | -127.28 | 0.00062 | -49.50 | -134.35 | 0.00050 |
| -42.43 | -141.42 | 0.00041 | -35.36 | -148.49 | 0.00035 |
| -28.28 | -155.56 | 0.00030 | -21.21 | -162.63 | 0.00026 |
| -155.56 | -14.14 | 0.00144 | -148.49 | -21.21 | 0.00169 |
| -141.42 | -28.28 | 0.00200 | -134.35 | -35.36 | 0.00235 |
| -127.28 | -42.43 | 0.00276 | -120.21 | -49.50 | 0.00324 |
| -113.14 | -56.57 | 0.00374 | -106.07 | -63.64 | 0.00419 |
| -102.53 | -67.18 | 0.00430 | -98.99 | -70.71 | 0.00428 |

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

18:13:13
 **MODELOPTs:
 PAGE 108
 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 **

| | | 14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound | | | |
|-------------|-------------|--|-------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| -96.87 | -72.83 | 0.00418 | -95.46 | -74.25 | 0.00410 |
| -94.05 | -75.66 | 0.00399 | -92.63 | -77.07 | 0.00386 |
| -91.22 | -78.49 | 0.00371 | -78.49 | -91.22 | 0.00200 |
| -77.07 | -92.63 | 0.00185 | -75.66 | -94.05 | 0.00171 |
| -74.25 | -95.46 | 0.00158 | -72.83 | -96.87 | 0.00146 |
| -70.71 | -98.99 | 0.00131 | -67.18 | -102.53 | 0.00110 |
| -63.64 | -106.07 | 0.00094 | -56.57 | -113.14 | 0.00072 |
| -49.50 | -120.21 | 0.00057 | -42.43 | -127.28 | 0.00046 |
| -35.36 | -134.35 | 0.00038 | -28.28 | -141.42 | 0.00032 |
| -21.21 | -148.49 | 0.00028 | -14.14 | -155.56 | 0.00024 |
| -148.49 | -7.07 | 0.00147 | -141.42 | -14.14 | 0.00171 |
| -134.35 | -21.21 | 0.00198 | -127.28 | -28.28 | 0.00228 |
| -120.21 | -35.36 | 0.00261 | -113.14 | -42.43 | 0.00295 |
| -106.07 | -49.50 | 0.00319 | -98.99 | -56.57 | 0.00323 |
| -95.46 | -60.10 | 0.00315 | -91.92 | -63.64 | 0.00302 |
| -89.80 | -65.76 | 0.00293 | -88.39 | -67.18 | 0.00286 |
| -86.97 | -68.59 | 0.00278 | -85.56 | -70.00 | 0.00269 |
| -84.15 | -71.42 | 0.00260 | -71.42 | -84.15 | 0.00164 |
| -70.00 | -85.56 | 0.00154 | -68.59 | -86.97 | 0.00145 |
| -67.18 | -88.39 | 0.00136 | -65.76 | -89.80 | 0.00128 |
| -63.64 | -91.92 | 0.00117 | -60.10 | -95.46 | 0.00101 |
| -56.57 | -98.99 | 0.00087 | -49.50 | -106.07 | 0.00067 |
| -42.43 | -113.14 | 0.00053 | -35.36 | -120.21 | 0.00043 |
| -28.28 | -127.28 | 0.00035 | -21.21 | -134.35 | 0.00030 |
| -14.14 | -141.42 | 0.00026 | -7.07 | -148.49 | 0.00022 |
| -141.42 | 0.00 | 0.00147 | -134.35 | -7.07 | 0.00167 |
| -127.28 | -14.14 | 0.00189 | -120.21 | -21.21 | 0.00212 |
| -113.14 | -28.28 | 0.00234 | -106.07 | -35.36 | 0.00249 |
| -98.99 | -42.43 | 0.00252 | -91.92 | -49.50 | 0.00242 |
| -88.39 | -53.03 | 0.00235 | -84.85 | -56.57 | 0.00224 |
| -82.73 | -58.69 | 0.00217 | -81.32 | -60.10 | 0.00212 |
| -79.90 | -61.52 | 0.00206 | -78.49 | -62.93 | 0.00201 |
| -77.07 | -64.35 | 0.00195 | -64.35 | -77.07 | 0.00133 |
| -62.93 | -78.49 | 0.00127 | -61.52 | -79.90 | 0.00121 |
| -60.10 | -81.32 | 0.00115 | -58.69 | -82.73 | 0.00110 |
| -56.57 | -84.85 | 0.00102 | -53.03 | -88.39 | 0.00090 |
| -49.50 | -91.92 | 0.00080 | -42.43 | -98.99 | 0.00062 |
| -35.36 | -106.07 | 0.00049 | -28.28 | -113.14 | 0.00040 |
| -21.21 | -120.21 | 0.00033 | -14.14 | -127.28 | 0.00028 |
| -7.07 | -134.35 | 0.00024 | 0.00 | -141.42 | 0.00021 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -134.35 | 7.07 | 0.00142 | -127.28 | 0.00 | 0.00159 |
| -120.21 | -7.07 | 0.00175 | -113.14 | -14.14 | 0.00189 |
| -106.07 | -21.21 | 0.00198 | -98.99 | -28.28 | 0.00201 |
| -91.92 | -35.36 | 0.00197 | -84.85 | -42.43 | 0.00188 |
| -81.32 | -45.96 | 0.00181 | -77.78 | -49.50 | 0.00173 |
| -75.66 | -51.62 | 0.00167 | -74.25 | -53.03 | 0.00164 |
| -72.83 | -54.45 | 0.00160 | -71.42 | -55.86 | 0.00157 |
| -70.00 | -57.28 | 0.00153 | -57.28 | -70.00 | 0.00110 |
| -55.86 | -71.42 | 0.00106 | -54.45 | -72.83 | 0.00101 |
| -53.03 | -74.25 | 0.00097 | -51.62 | -75.66 | 0.00094 |
| -49.50 | -77.78 | 0.00088 | -45.96 | -81.32 | 0.00079 |
| -42.43 | -84.85 | 0.00071 | -35.36 | -91.92 | 0.00057 |
| -28.28 | -98.99 | 0.00047 | -21.21 | -106.07 | 0.00038 |
| -14.14 | -113.14 | 0.00031 | -7.07 | -120.21 | 0.00026 |
| 0.00 | -127.28 | 0.00023 | 7.07 | -134.35 | 0.00020 |
| -127.28 | 14.14 | 0.00134 | -120.21 | 7.07 | 0.00145 |
| -113.14 | 0.00 | 0.00155 | -106.07 | -7.07 | 0.00161 |
| -98.99 | -14.14 | 0.00164 | -91.92 | -21.21 | 0.00162 |
| -84.85 | -28.28 | 0.00157 | -77.78 | -35.36 | 0.00149 |
| -74.25 | -38.89 | 0.00143 | -70.71 | -42.43 | 0.00137 |
| -68.59 | -44.55 | 0.00133 | -67.18 | -45.96 | 0.00131 |
| -65.76 | -47.38 | 0.00129 | -64.35 | -48.79 | 0.00126 |
| -62.93 | -50.20 | 0.00123 | -50.20 | -62.93 | 0.00092 |
| -48.79 | -64.35 | 0.00089 | -47.38 | -65.76 | 0.00086 |
| -45.96 | -67.18 | 0.00083 | -44.55 | -68.59 | 0.00080 |
| -42.43 | -70.71 | 0.00076 | -38.89 | -74.25 | 0.00069 |
| -35.36 | -77.78 | 0.00063 | -28.28 | -84.85 | 0.00052 |
| -21.21 | -91.92 | 0.00043 | -14.14 | -98.99 | 0.00036 |
| -7.07 | -106.07 | 0.00030 | 0.00 | -113.14 | 0.00025 |
| 7.07 | -120.21 | 0.00022 | 14.14 | -127.28 | 0.00019 |
| -120.21 | 21.21 | 0.00122 | -113.14 | 14.14 | 0.00129 |
| -106.07 | 7.07 | 0.00134 | -98.99 | 0.00 | 0.00136 |
| -91.92 | -7.07 | 0.00135 | -84.85 | -14.14 | 0.00133 |
| -77.78 | -21.21 | 0.00128 | -70.71 | -28.28 | 0.00120 |
| -67.18 | -31.82 | 0.00116 | -63.64 | -35.36 | 0.00112 |
| -61.52 | -37.48 | 0.00109 | -60.10 | -38.89 | 0.00107 |
| -58.69 | -40.31 | 0.00106 | -57.28 | -41.72 | 0.00104 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -55.86 | -43.13 | 0.00102 | -43.13 | -55.86 | 0.00078 |
| -41.72 | -57.28 | 0.00076 | -40.31 | -58.69 | 0.00073 |
| -38.89 | -60.10 | 0.00071 | -37.48 | -61.52 | 0.00069 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -35.36 | -63.64 | 0.00066 | -31.82 | -67.18 | 0.00061 |
| -28.28 | -70.71 | 0.00056 | -21.21 | -77.78 | 0.00047 |
| -14.14 | -84.85 | 0.00040 | -7.07 | -91.92 | 0.00034 |
| 0.00 | -98.99 | 0.00029 | 7.07 | -106.07 | 0.00024 |
| 14.14 | -113.14 | 0.00021 | 21.21 | -120.21 | 0.00018 |
| -113.14 | 28.28 | 0.00109 | -106.07 | 21.21 | 0.00112 |
| -98.99 | 14.14 | 0.00114 | -91.92 | 7.07 | 0.00114 |
| -84.85 | 0.00 | 0.00113 | -77.78 | -7.07 | 0.00110 |
| -70.71 | -14.14 | 0.00106 | -63.64 | -21.21 | 0.00099 |
| -60.10 | -24.75 | 0.00096 | -56.57 | -28.28 | 0.00093 |
| -54.45 | -30.41 | 0.00091 | -53.03 | -31.82 | 0.00090 |
| -51.62 | -33.23 | 0.00088 | -50.20 | -34.65 | 0.00087 |
| -48.79 | -36.06 | 0.00085 | -36.06 | -48.79 | 0.00067 |
| -34.65 | -50.20 | 0.00065 | -33.23 | -51.62 | 0.00063 |
| -31.82 | -53.03 | 0.00061 | -30.41 | -54.45 | 0.00060 |
| -28.28 | -56.57 | 0.00057 | -24.75 | -60.10 | 0.00053 |
| -21.21 | -63.64 | 0.00050 | -14.14 | -70.71 | 0.00043 |
| -7.07 | -77.78 | 0.00037 | 0.00 | -84.85 | 0.00031 |
| 7.07 | -91.92 | 0.00027 | 14.14 | -98.99 | 0.00023 |
| 21.21 | -106.07 | 0.00020 | 28.28 | -113.14 | 0.00017 |
| -106.07 | 35.36 | 0.00096 | -98.99 | 28.28 | 0.00097 |
| -91.92 | 21.21 | 0.00098 | -84.85 | 14.14 | 0.00097 |
| -77.78 | 7.07 | 0.00096 | -70.71 | 0.00 | 0.00093 |
| -63.64 | -7.07 | 0.00089 | -56.57 | -14.14 | 0.00083 |
| -53.03 | -17.68 | 0.00081 | -49.50 | -21.21 | 0.00079 |
| -47.38 | -23.33 | 0.00077 | -45.96 | -24.75 | 0.00076 |
| -44.55 | -26.16 | 0.00075 | -43.13 | -27.58 | 0.00074 |
| -41.72 | -28.99 | 0.00072 | -28.99 | -41.72 | 0.00058 |
| -27.58 | -43.13 | 0.00057 | -26.16 | -44.55 | 0.00055 |
| -24.75 | -45.96 | 0.00054 | -23.33 | -47.38 | 0.00052 |
| -21.21 | -49.50 | 0.00050 | -17.68 | -53.03 | 0.00047 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -14.14 | -56.57 | 0.00044 | -7.07 | -63.64 | 0.00039 |
| 0.00 | -70.71 | 0.00034 | 7.07 | -77.78 | 0.00029 |
| 14.14 | -84.85 | 0.00025 | 21.21 | -91.92 | 0.00022 |
| 28.28 | -98.99 | 0.00019 | 35.36 | -106.07 | 0.00017 |
| -98.99 | 42.43 | 0.00084 | -91.92 | 35.36 | 0.00084 |
| -84.85 | 28.28 | 0.00084 | -77.78 | 21.21 | 0.00084 |
| -70.71 | 14.14 | 0.00082 | -63.64 | 7.07 | 0.00079 |
| -56.57 | 0.00 | 0.00075 | -49.50 | -7.07 | 0.00071 |
| -45.96 | -10.61 | 0.00069 | -42.43 | -14.14 | 0.00067 |

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

18:13:13
 **MODELOPTs:
 PAGE 111
 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 | 0.00066 | -38.89 | -17.68 | 0.00065 |
| -37.48 | -19.09 | 0.00064 | -36.06 | -20.51 | 0.00063 |
| -34.65 | -21.92 | 0.00062 | -21.92 | -34.65 | 0.00051 |
| -20.51 | -36.06 | 0.00050 | -19.09 | -37.48 | 0.00048 |
| -17.68 | -38.89 | 0.00047 | -16.26 | -40.31 | 0.00046 |
| -14.14 | -42.43 | 0.00044 | -10.61 | -45.96 | 0.00042 |
| -7.07 | -49.50 | 0.00040 | 0.00 | -56.57 | 0.00035 |
| 7.07 | -63.64 | 0.00031 | 14.14 | -70.71 | 0.00027 |
| 21.21 | -77.78 | 0.00024 | 28.28 | -84.85 | 0.00021 |
| 35.36 | -91.92 | 0.00018 | 42.43 | -98.99 | 0.00016 |
| -91.92 | 49.50 | 0.00074 | -84.85 | 42.43 | 0.00074 |
| -77.78 | 35.36 | 0.00074 | -70.71 | 28.28 | 0.00073 |
| -63.64 | 21.21 | 0.00071 | -56.57 | 14.14 | 0.00068 |
| -49.50 | 7.07 | 0.00065 | -42.43 | 0.00 | 0.00062 |
| -38.89 | -3.54 | 0.00060 | -35.36 | -7.07 | 0.00058 |
| -33.23 | -9.19 | 0.00057 | -31.82 | -10.61 | 0.00057 |
| -30.41 | -12.02 | 0.00056 | -28.99 | -13.44 | 0.00055 |
| -27.58 | -14.85 | 0.00054 | -14.85 | -27.58 | 0.00045 |
| -13.44 | -28.99 | 0.00044 | -12.02 | -30.41 | 0.00043 |
| -10.61 | -31.82 | 0.00042 | -9.19 | -33.23 | 0.00041 |
| -7.07 | -35.36 | 0.00040 | -3.54 | -38.89 | 0.00038 |
| 0.00 | -42.43 | 0.00036 | 7.07 | -49.50 | 0.00032 |
| 14.14 | -56.57 | 0.00028 | 21.21 | -63.64 | 0.00025 |
| 28.28 | -70.71 | 0.00022 | 35.36 | -77.78 | 0.00020 |
| 42.43 | -84.85 | 0.00017 | 49.50 | -91.92 | 0.00016 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -84.85 | 56.57 | 0.00065 | -77.78 | 49.50 | 0.00065 |
| -70.71 | 42.43 | 0.00065 | -63.64 | 35.36 | 0.00063 |
| -56.57 | 28.28 | 0.00061 | -49.50 | 21.21 | 0.00059 |
| -42.43 | 14.14 | 0.00056 | -35.36 | 7.07 | 0.00054 |
| -31.82 | 3.54 | 0.00053 | -28.28 | 0.00 | 0.00051 |
| -26.16 | -2.12 | 0.00050 | -24.75 | -3.54 | 0.00050 |
| -23.33 | -4.95 | 0.00049 | -21.92 | -6.36 | 0.00048 |
| -20.51 | -7.78 | 0.00048 | -7.78 | -20.51 | 0.00040 |
| -6.36 | -21.92 | 0.00039 | -4.95 | -23.33 | 0.00038 |
| -3.54 | -24.75 | 0.00037 | -2.12 | -26.16 | 0.00037 |
| 0.00 | -28.28 | 0.00035 | 3.54 | -31.82 | 0.00034 |
| 7.07 | -35.36 | 0.00032 | 14.14 | -42.43 | 0.00029 |
| 21.21 | -49.50 | 0.00026 | 28.28 | -56.57 | 0.00023 |
| 35.36 | -63.64 | 0.00021 | 42.43 | -70.71 | 0.00019 |
| 49.50 | -77.78 | 0.00017 | 56.57 | -84.85 | 0.00015 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -77.78 | 63.64 | 0.00058 | -70.71 | 56.57 | 0.00058 |
| -63.64 | 49.50 | 0.00057 | -56.57 | 42.43 | 0.00056 |
| -49.50 | 35.36 | 0.00054 | -42.43 | 28.28 | 0.00052 |
| -35.36 | 21.21 | 0.00049 | -28.28 | 14.14 | 0.00047 |
| -24.75 | 10.61 | 0.00046 | -21.21 | 7.07 | 0.00045 |
| -19.09 | 4.95 | 0.00044 | -17.68 | 3.54 | 0.00044 |
| -16.26 | 2.12 | 0.00043 | -14.85 | 0.71 | 0.00043 |
| -13.44 | -0.71 | 0.00042 | -0.71 | -13.44 | 0.00036 |
| 0.71 | -14.85 | 0.00035 | 2.12 | -16.26 | 0.00034 |
| 3.54 | -17.68 | 0.00034 | 4.95 | -19.09 | 0.00033 |
| 7.07 | -21.21 | 0.00032 | 10.61 | -24.75 | 0.00030 |
| 14.14 | -28.28 | 0.00029 | 21.21 | -35.36 | 0.00026 |
| 28.28 | -42.43 | 0.00024 | 35.36 | -49.50 | 0.00022 |
| 42.43 | -56.57 | 0.00020 | 49.50 | -63.64 | 0.00018 |
| 56.57 | -70.71 | 0.00016 | 63.64 | -77.78 | 0.00014 |
| -70.71 | 70.71 | 0.00052 | -63.64 | 63.64 | 0.00051 |
| -56.57 | 56.57 | 0.00051 | -49.50 | 49.50 | 0.00049 |
| -42.43 | 42.43 | 0.00047 | -35.36 | 35.36 | 0.00045 |
| -28.28 | 28.28 | 0.00044 | -21.21 | 21.21 | 0.00042 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -17.68 | 17.68 | 0.00041 | -14.14 | 14.14 | 0.00040 |
| -12.02 | 12.02 | 0.00040 | -10.61 | 10.61 | 0.00039 |
| -9.19 | 9.19 | 0.00039 | -7.78 | 7.78 | 0.00038 |
| -6.36 | 6.36 | 0.00038 | 6.36 | -6.36 | 0.00032 |
| 7.78 | -7.78 | 0.00031 | 9.19 | -9.19 | 0.00031 |
| 10.61 | -10.61 | 0.00030 | 12.02 | -12.02 | 0.00030 |
| 14.14 | -14.14 | 0.00029 | 17.68 | -17.68 | 0.00028 |
| 21.21 | -21.21 | 0.00026 | 28.28 | -28.28 | 0.00024 |
| 35.36 | -35.36 | 0.00022 | 42.43 | -42.43 | 0.00020 |
| 49.50 | -49.50 | 0.00018 | 56.57 | -56.57 | 0.00017 |
| 63.64 | -63.64 | 0.00015 | 70.71 | -70.71 | 0.00013 |
| -63.64 | 77.78 | 0.00047 | -56.57 | 70.71 | 0.00046 |
| -49.50 | 63.64 | 0.00045 | -42.43 | 56.57 | 0.00044 |
| -35.36 | 49.50 | 0.00042 | -28.28 | 42.43 | 0.00040 |
| -21.21 | 35.36 | 0.00039 | -14.14 | 28.28 | 0.00038 |
| -10.61 | 24.75 | 0.00037 | -7.07 | 21.21 | 0.00036 |
| -4.95 | 19.09 | 0.00035 | -3.54 | 17.68 | 0.00035 |
| -2.12 | 16.26 | 0.00035 | -0.71 | 14.85 | 0.00034 |
| 0.71 | 13.44 | 0.00034 | 13.44 | 0.71 | 0.00029 |
| 14.85 | -0.71 | 0.00029 | 16.26 | -2.12 | 0.00028 |
| 17.68 | -3.54 | 0.00028 | 19.09 | -4.95 | 0.00027 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 21.21 | -7.07 | 0.00026 | 24.75 | -10.61 | 0.00025 |
| 28.28 | -14.14 | 0.00024 | 35.36 | -21.21 | 0.00022 |
| 42.43 | -28.28 | 0.00020 | 49.50 | -35.36 | 0.00019 |
| 56.57 | -42.43 | 0.00017 | 63.64 | -49.50 | 0.00016 |
| 70.71 | -56.57 | 0.00014 | 77.78 | -63.64 | 0.00013 |
| -56.57 | 84.85 | 0.00042 | -49.50 | 77.78 | 0.00041 |
| -42.43 | 70.71 | 0.00040 | -35.36 | 63.64 | 0.00039 |
| -28.28 | 56.57 | 0.00038 | -21.21 | 49.50 | 0.00036 |
| -14.14 | 42.43 | 0.00035 | -7.07 | 35.36 | 0.00034 |
| -3.54 | 31.82 | 0.00033 | 0.00 | 28.28 | 0.00032 |
| 2.12 | 26.16 | 0.00032 | 3.54 | 24.75 | 0.00032 |
| 4.95 | 23.33 | 0.00031 | 6.36 | 21.92 | 0.00031 |
| 7.78 | 20.51 | 0.00030 | 20.51 | 7.78 | 0.00026 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 21.92 | 6.36 | 0.00026 | 23.33 | 4.95 | 0.00026 |
| 24.75 | 3.54 | 0.00025 | 26.16 | 2.12 | 0.00025 |
| 28.28 | 0.00 | 0.00024 | 31.82 | -3.54 | 0.00023 |
| 35.36 | -7.07 | 0.00022 | 42.43 | -14.14 | 0.00021 |
| 49.50 | -21.21 | 0.00019 | 56.57 | -28.28 | 0.00017 |
| 63.64 | -35.36 | 0.00016 | 70.71 | -42.43 | 0.00015 |
| 77.78 | -49.50 | 0.00013 | 84.85 | -56.57 | 0.00012 |
| -49.50 | 91.92 | 0.00038 | -42.43 | 84.85 | 0.00037 |
| -35.36 | 77.78 | 0.00036 | -28.28 | 70.71 | 0.00035 |
| -21.21 | 63.64 | 0.00034 | -14.14 | 56.57 | 0.00033 |
| -7.07 | 49.50 | 0.00032 | 0.00 | 42.43 | 0.00031 |
| 3.54 | 38.89 | 0.00030 | 7.07 | 35.36 | 0.00029 |
| 9.19 | 33.23 | 0.00029 | 10.61 | 31.82 | 0.00029 |
| 12.02 | 30.41 | 0.00028 | 13.44 | 28.99 | 0.00028 |
| 14.85 | 27.58 | 0.00028 | 27.58 | 14.85 | 0.00024 |
| 28.99 | 13.44 | 0.00024 | 30.41 | 12.02 | 0.00023 |
| 31.82 | 10.61 | 0.00023 | 33.23 | 9.19 | 0.00023 |
| 35.36 | 7.07 | 0.00022 | 38.89 | 3.54 | 0.00021 |
| 42.43 | 0.00 | 0.00020 | 49.50 | -7.07 | 0.00019 |
| 56.57 | -14.14 | 0.00018 | 63.64 | -21.21 | 0.00016 |
| 70.71 | -28.28 | 0.00015 | 77.78 | -35.36 | 0.00014 |
| 84.85 | -42.43 | 0.00013 | 91.92 | -49.50 | 0.00012 |
| -42.43 | 98.99 | 0.00034 | -35.36 | 91.92 | 0.00034 |
| -28.28 | 84.85 | 0.00033 | -21.21 | 77.78 | 0.00032 |
| -14.14 | 70.71 | 0.00031 | -7.07 | 63.64 | 0.00030 |
| 0.00 | 56.57 | 0.00029 | 7.07 | 49.50 | 0.00028 |
| 10.61 | 45.96 | 0.00027 | 14.14 | 42.43 | 0.00027 |

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

18:13:13
 **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 |
| 16.26 | 40.31 | 0.00026 | 17.68 | 38.89 | 0.00026 |
| 19.09 | 37.48 | 0.00026 | 20.51 | 36.06 | 0.00025 |
| 21.92 | 34.65 | 0.00025 | 34.65 | 21.92 | 0.00022 |
| 36.06 | 20.51 | 0.00022 | 37.48 | 19.09 | 0.00021 |
| 38.89 | 17.68 | 0.00021 | 40.31 | 16.26 | 0.00021 |
| 42.43 | 14.14 | 0.00020 | 45.96 | 10.61 | 0.00020 |
| 49.50 | 7.07 | 0.00019 | 56.57 | 0.00 | 0.00018 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 63.64 | -7.07 | 0.00016 | 70.71 | -14.14 | 0.00015 |
| 77.78 | -21.21 | 0.00014 | 84.85 | -28.28 | 0.00013 |
| 91.92 | -35.36 | 0.00012 | 98.99 | -42.43 | 0.00011 |
| -35.36 | 106.07 | 0.00031 | -28.28 | 98.99 | 0.00031 |
| -21.21 | 91.92 | 0.00030 | -14.14 | 84.85 | 0.00029 |
| -7.07 | 77.78 | 0.00028 | 0.00 | 70.71 | 0.00027 |
| 7.07 | 63.64 | 0.00026 | 14.14 | 56.57 | 0.00025 |
| 17.68 | 53.03 | 0.00025 | 21.21 | 49.50 | 0.00024 |
| 23.33 | 47.38 | 0.00024 | 24.75 | 45.96 | 0.00024 |
| 26.16 | 44.55 | 0.00024 | 27.58 | 43.13 | 0.00023 |
| 28.99 | 41.72 | 0.00023 | 41.72 | 28.99 | 0.00020 |
| 43.13 | 27.58 | 0.00020 | 44.55 | 26.16 | 0.00020 |
| 45.96 | 24.75 | 0.00019 | 47.38 | 23.33 | 0.00019 |
| 49.50 | 21.21 | 0.00019 | 53.03 | 17.68 | 0.00018 |
| 56.57 | 14.14 | 0.00018 | 63.64 | 7.07 | 0.00016 |
| 70.71 | 0.00 | 0.00015 | 77.78 | -7.07 | 0.00014 |
| 84.85 | -14.14 | 0.00013 | 91.92 | -21.21 | 0.00012 |
| 98.99 | -28.28 | 0.00011 | 106.07 | -35.36 | 0.00011 |
| -28.28 | 113.14 | 0.00029 | -21.21 | 106.07 | 0.00028 |
| -14.14 | 98.99 | 0.00027 | -7.07 | 91.92 | 0.00026 |
| 0.00 | 84.85 | 0.00025 | 7.07 | 77.78 | 0.00025 |
| 14.14 | 70.71 | 0.00024 | 21.21 | 63.64 | 0.00023 |
| 24.75 | 60.10 | 0.00023 | 28.28 | 56.57 | 0.00022 |
| 30.41 | 54.45 | 0.00022 | 31.82 | 53.03 | 0.00022 |
| 33.23 | 51.62 | 0.00022 | 34.65 | 50.20 | 0.00021 |
| 36.06 | 48.79 | 0.00021 | 48.79 | 36.06 | 0.00019 |
| 50.20 | 34.65 | 0.00019 | 51.62 | 33.23 | 0.00018 |
| 53.03 | 31.82 | 0.00018 | 54.45 | 30.41 | 0.00018 |
| 56.57 | 28.28 | 0.00017 | 60.10 | 24.75 | 0.00017 |
| 63.64 | 21.21 | 0.00016 | 70.71 | 14.14 | 0.00015 |
| 77.78 | 7.07 | 0.00014 | 84.85 | 0.00 | 0.00013 |
| 91.92 | -7.07 | 0.00013 | 98.99 | -14.14 | 0.00012 |
| 106.07 | -21.21 | 0.00011 | 113.14 | -28.28 | 0.00010 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -21.21 | 120.21 | 0.00026 | -14.14 | 113.14 | 0.00025 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -7.07 | 106.07 | 0.00025 | 0.00 | 98.99 | 0.00024 |
| 7.07 | 91.92 | 0.00023 | 14.14 | 84.85 | 0.00023 |
| 21.21 | 77.78 | 0.00022 | 28.28 | 70.71 | 0.00021 |
| 31.82 | 67.18 | 0.00021 | 35.36 | 63.64 | 0.00021 |
| 37.48 | 61.52 | 0.00020 | 38.89 | 60.10 | 0.00020 |
| 40.31 | 58.69 | 0.00020 | 41.72 | 57.28 | 0.00020 |
| 43.13 | 55.86 | 0.00020 | 55.86 | 43.13 | 0.00017 |
| 57.28 | 41.72 | 0.00017 | 58.69 | 40.31 | 0.00017 |
| 60.10 | 38.89 | 0.00017 | 61.52 | 37.48 | 0.00017 |
| 63.64 | 35.36 | 0.00016 | 67.18 | 31.82 | 0.00016 |
| 70.71 | 28.28 | 0.00015 | 77.78 | 21.21 | 0.00014 |
| 84.85 | 14.14 | 0.00013 | 91.92 | 7.07 | 0.00013 |
| 98.99 | 0.00 | 0.00012 | 106.07 | -7.07 | 0.00011 |
| 113.14 | -14.14 | 0.00010 | 120.21 | -21.21 | 0.00010 |
| -14.14 | 127.28 | 0.00024 | -7.07 | 120.21 | 0.00023 |
| 0.00 | 113.14 | 0.00023 | 7.07 | 106.07 | 0.00022 |
| 14.14 | 98.99 | 0.00022 | 21.21 | 91.92 | 0.00021 |
| 28.28 | 84.85 | 0.00020 | 35.36 | 77.78 | 0.00020 |
| 38.89 | 74.25 | 0.00019 | 42.43 | 70.71 | 0.00019 |
| 44.55 | 68.59 | 0.00019 | 45.96 | 67.18 | 0.00019 |
| 47.38 | 65.76 | 0.00018 | 48.79 | 64.35 | 0.00018 |
| 50.20 | 62.93 | 0.00018 | 62.93 | 50.20 | 0.00016 |
| 64.35 | 48.79 | 0.00016 | 65.76 | 47.38 | 0.00016 |
| 67.18 | 45.96 | 0.00016 | 68.59 | 44.55 | 0.00015 |
| 70.71 | 42.43 | 0.00015 | 74.25 | 38.89 | 0.00015 |
| 77.78 | 35.36 | 0.00014 | 84.85 | 28.28 | 0.00013 |
| 91.92 | 21.21 | 0.00013 | 98.99 | 14.14 | 0.00012 |
| 106.07 | 7.07 | 0.00011 | 113.14 | 0.00 | 0.00010 |
| 120.21 | -7.07 | 0.00010 | 127.28 | -14.14 | 0.00009 |
| -7.07 | 134.35 | 0.00022 | 0.00 | 127.28 | 0.00022 |
| 7.07 | 120.21 | 0.00021 | 14.14 | 113.14 | 0.00020 |
| 21.21 | 106.07 | 0.00020 | 28.28 | 98.99 | 0.00019 |
| 35.36 | 91.92 | 0.00019 | 42.43 | 84.85 | 0.00018 |
| 45.96 | 81.32 | 0.00018 | 49.50 | 77.78 | 0.00018 |
| 51.62 | 75.66 | 0.00017 | 53.03 | 74.25 | 0.00017 |
| 54.45 | 72.83 | 0.00017 | 55.86 | 71.42 | 0.00017 |
| 57.28 | 70.00 | 0.00017 | 70.00 | 57.28 | 0.00015 |
| 71.42 | 55.86 | 0.00015 | 72.83 | 54.45 | 0.00015 |
| 74.25 | 53.03 | 0.00015 | 75.66 | 51.62 | 0.00014 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

18:13:13

**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 |
| 77.78 | 49.50 | 0.00014 | 81.32 | 45.96 | 0.00014 |
| 84.85 | 42.43 | 0.00013 | 91.92 | 35.36 | 0.00013 |
| 98.99 | 28.28 | 0.00012 | 106.07 | 21.21 | 0.00011 |
| 113.14 | 14.14 | 0.00011 | 120.21 | 7.07 | 0.00010 |
| 127.28 | 0.00 | 0.00009 | 134.35 | -7.07 | 0.00009 |
| 0.00 | 141.42 | 0.00020 | 7.07 | 134.35 | 0.00020 |
| 14.14 | 127.28 | 0.00019 | 21.21 | 120.21 | 0.00019 |
| 28.28 | 113.14 | 0.00019 | 35.36 | 106.07 | 0.00018 |
| 42.43 | 98.99 | 0.00018 | 49.50 | 91.92 | 0.00017 |
| 53.03 | 88.39 | 0.00017 | 56.57 | 84.85 | 0.00016 |
| 58.69 | 82.73 | 0.00016 | 60.10 | 81.32 | 0.00016 |
| 61.52 | 79.90 | 0.00016 | 62.93 | 78.49 | 0.00016 |
| 64.35 | 77.07 | 0.00016 | 77.07 | 64.35 | 0.00014 |
| 78.49 | 62.93 | 0.00014 | 79.90 | 61.52 | 0.00014 |
| 81.32 | 60.10 | 0.00014 | 82.73 | 58.69 | 0.00013 |
| 84.85 | 56.57 | 0.00013 | 88.39 | 53.03 | 0.00013 |
| 91.92 | 49.50 | 0.00012 | 98.99 | 42.43 | 0.00012 |
| 106.07 | 35.36 | 0.00011 | 113.14 | 28.28 | 0.00011 |
| 120.21 | 21.21 | 0.00010 | 127.28 | 14.14 | 0.00009 |
| 134.35 | 7.07 | 0.00009 | 141.42 | 0.00 | 0.00008 |
| 7.07 | 148.49 | 0.00019 | 14.14 | 141.42 | 0.00018 |
| 21.21 | 134.35 | 0.00018 | 28.28 | 127.28 | 0.00018 |
| 35.36 | 120.21 | 0.00017 | 42.43 | 113.14 | 0.00017 |
| 49.50 | 106.07 | 0.00016 | 56.57 | 98.99 | 0.00016 |
| 60.10 | 95.46 | 0.00016 | 63.64 | 91.92 | 0.00015 |
| 65.76 | 89.80 | 0.00015 | 67.18 | 88.39 | 0.00015 |
| 68.59 | 86.97 | 0.00015 | 70.00 | 85.56 | 0.00015 |
| 71.42 | 84.15 | 0.00015 | 84.15 | 71.42 | 0.00013 |
| 85.56 | 70.00 | 0.00013 | 86.97 | 68.59 | 0.00013 |
| 88.39 | 67.18 | 0.00013 | 89.80 | 65.76 | 0.00013 |
| 91.92 | 63.64 | 0.00012 | 95.46 | 60.10 | 0.00012 |
| 98.99 | 56.57 | 0.00012 | 106.07 | 49.50 | 0.00011 |
| 113.14 | 42.43 | 0.00011 | 120.21 | 35.36 | 0.00010 |
| 127.28 | 28.28 | 0.00009 | 134.35 | 21.21 | 0.00009 |
| 141.42 | 14.14 | 0.00008 | 148.49 | 7.07 | 0.00008 |
| 14.14 | 155.56 | 0.00018 | 21.21 | 148.49 | 0.00017 |
| 28.28 | 141.42 | 0.00017 | 35.36 | 134.35 | 0.00016 |
| 42.43 | 127.28 | 0.00016 | 49.50 | 120.21 | 0.00016 |
| 56.57 | 113.14 | 0.00015 | 63.64 | 106.07 | 0.00015 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

67.18 102.53 0.00015 70.71 98.99 0.00014

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

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 72.83 | 96.87 | 0.00014 | 74.25 | 95.46 | 0.00014 |
| 75.66 | 94.05 | 0.00014 | 77.07 | 92.63 | 0.00014 |
| 78.49 | 91.22 | 0.00014 | 91.22 | 78.49 | 0.00012 |
| 92.63 | 77.07 | 0.00012 | 94.05 | 75.66 | 0.00012 |
| 95.46 | 74.25 | 0.00012 | 96.87 | 72.83 | 0.00012 |
| 98.99 | 70.71 | 0.00012 | 102.53 | 67.18 | 0.00011 |
| 106.07 | 63.64 | 0.00011 | 113.14 | 56.57 | 0.00010 |
| 120.21 | 49.50 | 0.00010 | 127.28 | 42.43 | 0.00009 |
| 134.35 | 35.36 | 0.00009 | 141.42 | 28.28 | 0.00009 |
| 148.49 | 21.21 | 0.00008 | 155.56 | 14.14 | 0.00008 |
| 21.21 | 162.63 | 0.00016 | 28.28 | 155.56 | 0.00016 |
| 35.36 | 148.49 | 0.00016 | 42.43 | 141.42 | 0.00015 |
| 49.50 | 134.35 | 0.00015 | 56.57 | 127.28 | 0.00015 |
| 63.64 | 120.21 | 0.00014 | 70.71 | 113.14 | 0.00014 |
| 74.25 | 109.60 | 0.00014 | 77.78 | 106.07 | 0.00013 |
| 79.90 | 103.94 | 0.00013 | 81.32 | 102.53 | 0.00013 |
| 82.73 | 101.12 | 0.00013 | 84.15 | 99.70 | 0.00013 |
| 85.56 | 98.29 | 0.00013 | 98.29 | 85.56 | 0.00012 |
| 99.70 | 84.15 | 0.00012 | 101.12 | 82.73 | 0.00011 |
| 102.53 | 81.32 | 0.00011 | 103.94 | 79.90 | 0.00011 |
| 106.07 | 77.78 | 0.00011 | 109.60 | 74.25 | 0.00011 |
| 113.14 | 70.71 | 0.00010 | 120.21 | 63.64 | 0.00010 |
| 127.28 | 56.57 | 0.00009 | 134.35 | 49.50 | 0.00009 |
| 141.42 | 42.43 | 0.00009 | 148.49 | 35.36 | 0.00008 |
| 155.56 | 28.28 | 0.00008 | 162.63 | 21.21 | 0.00007 |
| 28.28 | 169.71 | 0.00015 | 35.36 | 162.63 | 0.00015 |
| 42.43 | 155.56 | 0.00015 | 49.50 | 148.49 | 0.00014 |
| 56.57 | 141.42 | 0.00014 | 63.64 | 134.35 | 0.00014 |
| 70.71 | 127.28 | 0.00013 | 77.78 | 120.21 | 0.00013 |
| 81.32 | 116.67 | 0.00013 | 84.85 | 113.14 | 0.00013 |
| 86.97 | 111.02 | 0.00012 | 88.39 | 109.60 | 0.00012 |
| 89.80 | 108.19 | 0.00012 | 91.22 | 106.77 | 0.00012 |
| 92.63 | 105.36 | 0.00012 | 105.36 | 92.63 | 0.00011 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|-------|---------|--------|-------|---------|
| 106.77 | 91.22 | 0.00011 | 108.19 | 89.80 | 0.00011 |
| 109.60 | 88.39 | 0.00011 | 111.02 | 86.97 | 0.00011 |
| 113.14 | 84.85 | 0.00010 | 116.67 | 81.32 | 0.00010 |
| 120.21 | 77.78 | 0.00010 | 127.28 | 70.71 | 0.00009 |
| 134.35 | 63.64 | 0.00009 | 141.42 | 56.57 | 0.00009 |
| 148.49 | 49.50 | 0.00008 | 155.56 | 42.43 | 0.00008 |
| 162.63 | 35.36 | 0.00007 | 169.71 | 28.28 | 0.00007 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 35.36 | 176.78 | 0.00014 | 42.43 | 169.71 | 0.00014 |
| 49.50 | 162.63 | 0.00014 | 56.57 | 155.56 | 0.00014 |
| 63.64 | 148.49 | 0.00013 | 70.71 | 141.42 | 0.00013 |
| 77.78 | 134.35 | 0.00013 | 84.85 | 127.28 | 0.00012 |
| 88.39 | 123.74 | 0.00012 | 91.92 | 120.21 | 0.00012 |
| 94.05 | 118.09 | 0.00012 | 95.46 | 116.67 | 0.00012 |
| 96.87 | 115.26 | 0.00012 | 98.29 | 113.84 | 0.00011 |
| 99.70 | 112.43 | 0.00011 | 112.43 | 99.70 | 0.00010 |
| 113.84 | 98.29 | 0.00010 | 115.26 | 96.87 | 0.00010 |
| 116.67 | 95.46 | 0.00010 | 118.09 | 94.05 | 0.00010 |
| 120.21 | 91.92 | 0.00010 | 123.74 | 88.39 | 0.00010 |
| 127.28 | 84.85 | 0.00009 | 134.35 | 77.78 | 0.00009 |
| 141.42 | 70.71 | 0.00009 | 148.49 | 63.64 | 0.00008 |
| 155.56 | 56.57 | 0.00008 | 162.63 | 49.50 | 0.00007 |
| 169.71 | 42.43 | 0.00007 | 176.78 | 35.36 | 0.00007 |
| 42.43 | 183.85 | 0.00013 | 49.50 | 176.78 | 0.00013 |
| 56.57 | 169.71 | 0.00013 | 63.64 | 162.63 | 0.00013 |
| 70.71 | 155.56 | 0.00012 | 77.78 | 148.49 | 0.00012 |
| 84.85 | 141.42 | 0.00012 | 91.92 | 134.35 | 0.00012 |
| 95.46 | 130.81 | 0.00011 | 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 | 0.00010 |
| 120.92 | 105.36 | 0.00010 | 122.33 | 103.94 | 0.00010 |
| 123.74 | 102.53 | 0.00010 | 125.16 | 101.12 | 0.00009 |
| 127.28 | 98.99 | 0.00009 | 130.81 | 95.46 | 0.00009 |
| 134.35 | 91.92 | 0.00009 | 141.42 | 84.85 | 0.00008 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 148.49 | 77.78 | 0.00008 | 155.56 | 70.71 | 0.00008 |
| 162.63 | 63.64 | 0.00007 | 169.71 | 56.57 | 0.00007 |
| 176.78 | 49.50 | 0.00007 | 183.85 | 42.43 | 0.00006 |
| 49.50 | 190.92 | 0.00013 | 56.57 | 183.85 | 0.00012 |
| 63.64 | 176.78 | 0.00012 | 70.71 | 169.71 | 0.00012 |
| 77.78 | 162.63 | 0.00012 | 84.85 | 155.56 | 0.00012 |
| 91.92 | 148.49 | 0.00011 | 98.99 | 141.42 | 0.00011 |
| 102.53 | 137.89 | 0.00011 | 106.07 | 134.35 | 0.00011 |
| 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 | 0.00010 | 126.57 | 113.84 | 0.00009 |
| 127.99 | 112.43 | 0.00009 | 129.40 | 111.02 | 0.00009 |
| 130.81 | 109.60 | 0.00009 | 132.23 | 108.19 | 0.00009 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 134.35 | 106.07 | 0.00009 | 137.89 | 102.53 | 0.00009 |
| 141.42 | 98.99 | 0.00008 | 148.49 | 91.92 | 0.00008 |
| 155.56 | 84.85 | 0.00008 | 162.63 | 77.78 | 0.00007 |
| 169.71 | 70.71 | 0.00007 | 176.78 | 63.64 | 0.00007 |
| 183.85 | 56.57 | 0.00006 | 190.92 | 49.50 | 0.00006 |
| 56.57 | 197.99 | 0.00012 | 63.64 | 190.92 | 0.00012 |
| 70.71 | 183.85 | 0.00012 | 77.78 | 176.78 | 0.00011 |
| 84.85 | 169.71 | 0.00011 | 91.92 | 162.63 | 0.00011 |
| 98.99 | 155.56 | 0.00011 | 106.07 | 148.49 | 0.00010 |
| 109.60 | 144.96 | 0.00010 | 113.14 | 141.42 | 0.00010 |
| 115.26 | 139.30 | 0.00010 | 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 | 0.00009 |
| 135.06 | 119.50 | 0.00009 | 136.47 | 118.09 | 0.00009 |
| 137.89 | 116.67 | 0.00009 | 139.30 | 115.26 | 0.00009 |
| 141.42 | 113.14 | 0.00008 | 144.96 | 109.60 | 0.00008 |
| 148.49 | 106.07 | 0.00008 | 155.56 | 98.99 | 0.00008 |
| 162.63 | 91.92 | 0.00007 | 169.71 | 84.85 | 0.00007 |
| 176.78 | 77.78 | 0.00007 | 183.85 | 70.71 | 0.00006 |
| 190.92 | 63.64 | 0.00006 | 197.99 | 56.57 | 0.00006 |
| 63.64 | 205.06 | 0.00011 | 70.71 | 197.99 | 0.00011 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 77.78 | 190.92 | 0.00011 | 84.85 | 183.85 | 0.00011 |
| 91.92 | 176.78 | 0.00011 | 98.99 | 169.71 | 0.00010 |
| 106.07 | 162.63 | 0.00010 | 113.14 | 155.56 | 0.00010 |
| 116.67 | 152.03 | 0.00010 | 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 | 0.00008 |
| 142.13 | 126.57 | 0.00008 | 143.54 | 125.16 | 0.00008 |
| 144.96 | 123.74 | 0.00008 | 146.37 | 122.33 | 0.00008 |
| 148.49 | 120.21 | 0.00008 | 152.03 | 116.67 | 0.00008 |
| 155.56 | 113.14 | 0.00008 | 162.63 | 106.07 | 0.00007 |
| 169.71 | 98.99 | 0.00007 | 176.78 | 91.92 | 0.00007 |
| 183.85 | 84.85 | 0.00006 | 190.92 | 77.78 | 0.00006 |
| 197.99 | 70.71 | 0.00006 | 205.06 | 63.64 | 0.00006 |
| 70.71 | 212.13 | 0.00011 | 77.78 | 205.06 | 0.00010 |
| 84.85 | 197.99 | 0.00010 | 91.92 | 190.92 | 0.00010 |
| 98.99 | 183.85 | 0.00010 | 106.07 | 176.78 | 0.00010 |
| 113.14 | 169.71 | 0.00010 | 120.21 | 162.63 | 0.00009 |
| 123.74 | 159.10 | 0.00009 | 127.28 | 155.56 | 0.00009 |

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

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 129.40 | 153.44 | 0.00009 | 130.81 | 152.03 | 0.00009 |
| 132.23 | 150.61 | 0.00009 | 133.64 | 149.20 | 0.00009 |
| 135.06 | 147.79 | 0.00009 | 147.79 | 135.06 | 0.00008 |
| 149.20 | 133.64 | 0.00008 | 150.61 | 132.23 | 0.00008 |
| 152.03 | 130.81 | 0.00008 | 153.44 | 129.40 | 0.00008 |
| 155.56 | 127.28 | 0.00008 | 159.10 | 123.74 | 0.00007 |
| 162.63 | 120.21 | 0.00007 | 169.71 | 113.14 | 0.00007 |
| 176.78 | 106.07 | 0.00007 | 183.85 | 98.99 | 0.00006 |
| 190.92 | 91.92 | 0.00006 | 197.99 | 84.85 | 0.00006 |
| 205.06 | 77.78 | 0.00006 | 212.13 | 70.71 | 0.00005 |
| 77.78 | 219.20 | 0.00010 | 84.85 | 212.13 | 0.00010 |
| 91.92 | 205.06 | 0.00010 | 98.99 | 197.99 | 0.00010 |
| 106.07 | 190.92 | 0.00009 | 113.14 | 183.85 | 0.00009 |
| 120.21 | 176.78 | 0.00009 | 127.28 | 169.71 | 0.00009 |
| 130.81 | 166.17 | 0.00009 | 134.35 | 162.63 | 0.00009 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 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 | 0.00007 | 160.51 | 136.47 | 0.00007 |
| 162.63 | 134.35 | 0.00007 | 166.17 | 130.81 | 0.00007 |
| 169.71 | 127.28 | 0.00007 | 176.78 | 120.21 | 0.00007 |
| 183.85 | 113.14 | 0.00006 | 190.92 | 106.07 | 0.00006 |
| 197.99 | 98.99 | 0.00006 | 205.06 | 91.92 | 0.00006 |
| 212.13 | 84.85 | 0.00006 | 219.20 | 77.78 | 0.00005 |
| 84.85 | 226.27 | 0.00010 | 91.92 | 219.20 | 0.00009 |
| 98.99 | 212.13 | 0.00009 | 106.07 | 205.06 | 0.00009 |
| 113.14 | 197.99 | 0.00009 | 120.21 | 190.92 | 0.00009 |
| 127.28 | 183.85 | 0.00009 | 134.35 | 176.78 | 0.00008 |
| 137.89 | 173.24 | 0.00008 | 141.42 | 169.71 | 0.00008 |
| 143.54 | 167.58 | 0.00008 | 144.96 | 166.17 | 0.00008 |
| 146.37 | 164.76 | 0.00008 | 147.79 | 163.34 | 0.00008 |
| 149.20 | 161.93 | 0.00008 | 161.93 | 149.20 | 0.00007 |
| 163.34 | 147.79 | 0.00007 | 164.76 | 146.37 | 0.00007 |
| 166.17 | 144.96 | 0.00007 | 167.58 | 143.54 | 0.00007 |
| 169.71 | 141.42 | 0.00007 | 173.24 | 137.89 | 0.00007 |
| 176.78 | 134.35 | 0.00007 | 183.85 | 127.28 | 0.00006 |
| 190.92 | 120.21 | 0.00006 | 197.99 | 113.14 | 0.00006 |
| 205.06 | 106.07 | 0.00006 | 212.13 | 98.99 | 0.00005 |
| 219.20 | 91.92 | 0.00005 | 226.27 | 84.85 | 0.00005 |

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

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 91.92 | 233.35 | 0.00009 | 98.99 | 226.27 | 0.00009 |
| 106.07 | 219.20 | 0.00009 | 113.14 | 212.13 | 0.00009 |
| 120.21 | 205.06 | 0.00009 | 127.28 | 197.99 | 0.00008 |
| 134.35 | 190.92 | 0.00008 | 141.42 | 183.85 | 0.00008 |
| 144.96 | 180.31 | 0.00008 | 148.49 | 176.78 | 0.00008 |
| 150.61 | 174.66 | 0.00008 | 152.03 | 173.24 | 0.00008 |
| 153.44 | 171.83 | 0.00008 | 154.86 | 170.41 | 0.00008 |
| 156.27 | 169.00 | 0.00007 | 169.00 | 156.27 | 0.00007 |
| 170.41 | 154.86 | 0.00007 | 171.83 | 153.44 | 0.00007 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 173.24 | 152.03 | 0.00007 | 174.66 | 150.61 | 0.00007 |
| 176.78 | 148.49 | 0.00007 | 180.31 | 144.96 | 0.00007 |
| 183.85 | 141.42 | 0.00006 | 190.92 | 134.35 | 0.00006 |
| 197.99 | 127.28 | 0.00006 | 205.06 | 120.21 | 0.00006 |
| 212.13 | 113.14 | 0.00005 | 219.20 | 106.07 | 0.00005 |
| 226.27 | 98.99 | 0.00005 | 233.35 | 91.92 | 0.00005 |
| 98.99 | 240.42 | 0.00009 | 106.07 | 233.35 | 0.00009 |
| 113.14 | 226.27 | 0.00008 | 120.21 | 219.20 | 0.00008 |
| 127.28 | 212.13 | 0.00008 | 134.35 | 205.06 | 0.00008 |
| 141.42 | 197.99 | 0.00008 | 148.49 | 190.92 | 0.00008 |
| 152.03 | 187.38 | 0.00008 | 155.56 | 183.85 | 0.00007 |
| 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 | 0.00006 |
| 183.85 | 155.56 | 0.00006 | 187.38 | 152.03 | 0.00006 |
| 190.92 | 148.49 | 0.00006 | 197.99 | 141.42 | 0.00006 |
| 205.06 | 134.35 | 0.00006 | 212.13 | 127.28 | 0.00005 |
| 219.20 | 120.21 | 0.00005 | 226.27 | 113.14 | 0.00005 |
| 233.35 | 106.07 | 0.00005 | 240.42 | 98.99 | 0.00005 |
| 106.07 | 247.49 | 0.00008 | 113.14 | 240.42 | 0.00008 |
| 120.21 | 233.35 | 0.00008 | 127.28 | 226.27 | 0.00008 |
| 134.35 | 219.20 | 0.00008 | 141.42 | 212.13 | 0.00008 |
| 148.49 | 205.06 | 0.00007 | 155.56 | 197.99 | 0.00007 |
| 159.10 | 194.45 | 0.00007 | 162.63 | 190.92 | 0.00007 |
| 164.76 | 188.80 | 0.00007 | 166.17 | 187.38 | 0.00007 |
| 167.58 | 185.97 | 0.00007 | 169.00 | 184.55 | 0.00007 |
| 170.41 | 183.14 | 0.00007 | 183.14 | 170.41 | 0.00006 |
| 184.55 | 169.00 | 0.00006 | 185.97 | 167.58 | 0.00006 |
| 187.38 | 166.17 | 0.00006 | 188.80 | 164.76 | 0.00006 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 190.92 | 162.63 | 0.00006 | 194.45 | 159.10 | 0.00006 |
| 197.99 | 155.56 | 0.00006 | 205.06 | 148.49 | 0.00006 |
| 212.13 | 141.42 | 0.00005 | 219.20 | 134.35 | 0.00005 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 226.27 | 127.28 | 0.00005 | 233.35 | 120.21 | 0.00005 |
| 240.42 | 113.14 | 0.00005 | 247.49 | 106.07 | 0.00005 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
| -247.49 | -106.07 | 0.00142 | -240.42 | -113.14 | 0.00158 |
| -233.35 | -120.21 | 0.00177 | -226.27 | -127.28 | 0.00200 |
| -219.20 | -134.35 | 0.00227 | -212.13 | -141.42 | 0.00260 |
| -205.06 | -148.49 | 0.00302 | -197.99 | -155.56 | 0.00352 |
| -194.45 | -159.10 | 0.00381 | -190.92 | -162.63 | 0.00411 |
| -188.80 | -164.76 | 0.00428 | -187.38 | -166.17 | 0.00439 |
| -185.97 | -167.58 | 0.00449 | -184.55 | -169.00 | 0.00458 |
| -183.14 | -170.41 | 0.00465 | -170.41 | -183.14 | 0.00503 |
| -169.00 | -184.55 | 0.00505 | -167.58 | -185.97 | 0.00506 |
| -166.17 | -187.38 | 0.00505 | -164.76 | -188.80 | 0.00501 |
| -162.63 | -190.92 | 0.00493 | -159.10 | -194.45 | 0.00473 |
| -155.56 | -197.99 | 0.00449 | -148.49 | -205.06 | 0.00397 |
| -141.42 | -212.13 | 0.00351 | -134.35 | -219.20 | 0.00311 |
| -127.28 | -226.27 | 0.00276 | -120.21 | -233.35 | 0.00247 |
| -113.14 | -240.42 | 0.00223 | -106.07 | -247.49 | 0.00202 |
| -240.42 | -98.99 | 0.00147 | -233.35 | -106.07 | 0.00163 |
| -226.27 | -113.14 | 0.00183 | -219.20 | -120.21 | 0.00207 |
| -212.13 | -127.28 | 0.00236 | -205.06 | -134.35 | 0.00272 |
| -197.99 | -141.42 | 0.00316 | -190.92 | -148.49 | 0.00373 |
| -187.38 | -152.03 | 0.00407 | -183.85 | -155.56 | 0.00445 |
| -181.73 | -157.68 | 0.00470 | -180.31 | -159.10 | 0.00488 |
| -178.90 | -160.51 | 0.00505 | -177.48 | -161.93 | 0.00521 |
| -176.07 | -163.34 | 0.00536 | -163.34 | -176.07 | 0.00600 |
| -161.93 | -177.48 | 0.00598 | -160.51 | -178.90 | 0.00592 |
| -159.10 | -180.31 | 0.00583 | -157.68 | -181.73 | 0.00572 |
| -155.56 | -183.85 | 0.00553 | -152.03 | -187.38 | 0.00519 |
| -148.49 | -190.92 | 0.00485 | -141.42 | -197.99 | 0.00421 |
| -134.35 | -205.06 | 0.00368 | -127.28 | -212.13 | 0.00323 |
| -120.21 | -219.20 | 0.00286 | -113.14 | -226.27 | 0.00254 |
| -106.07 | -233.35 | 0.00228 | -98.99 | -240.42 | 0.00206 |
| -233.35 | -91.92 | 0.00151 | -226.27 | -99.00 | 0.00169 |
| -219.20 | -106.07 | 0.00190 | -212.13 | -113.14 | 0.00216 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -205.06 | -120.21 | 0.00247 | -197.99 | -127.28 | 0.00285 |
| -190.92 | -134.35 | 0.00332 | -183.85 | -141.42 | 0.00393 |
| -180.31 | -144.96 | 0.00430 | -176.78 | -148.49 | 0.00473 |
| -174.66 | -150.61 | 0.00502 | -173.24 | -152.03 | 0.00524 |
| -171.83 | -153.44 | 0.00547 | -170.41 | -154.86 | 0.00574 |
| -169.00 | -156.27 | 0.00604 | -156.27 | -169.00 | 0.00707 |
| -154.86 | -170.41 | 0.00686 | -153.44 | -171.83 | 0.00666 |
| -152.03 | -173.24 | 0.00646 | -150.61 | -174.66 | 0.00626 |

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

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -148.49 | -176.78 | 0.00598 | -144.96 | -180.31 | 0.00553 |
| -141.42 | -183.85 | 0.00511 | -134.35 | -190.92 | 0.00439 |
| -127.28 | -197.99 | 0.00381 | -120.21 | -205.06 | 0.00332 |
| -113.14 | -212.13 | 0.00293 | -106.07 | -219.20 | 0.00260 |
| -98.99 | -226.27 | 0.00232 | -91.92 | -233.35 | 0.00209 |
| -226.27 | -84.85 | 0.00157 | -219.20 | -91.92 | 0.00176 |
| -212.13 | -99.00 | 0.00199 | -205.06 | -106.07 | 0.00226 |
| -197.99 | -113.14 | 0.00260 | -190.92 | -120.21 | 0.00301 |
| -183.85 | -127.28 | 0.00354 | -176.78 | -134.35 | 0.00422 |
| -173.24 | -137.89 | 0.00465 | -169.71 | -141.42 | 0.00516 |
| -167.58 | -143.54 | 0.00553 | -166.17 | -144.96 | 0.00582 |
| -164.76 | -146.37 | 0.00616 | -163.34 | -147.79 | 0.00660 |
| -161.93 | -149.20 | 0.00718 | -149.20 | -161.93 | 0.00761 |
| -147.79 | -163.34 | 0.00729 | -146.37 | -164.76 | 0.00702 |
| -144.96 | -166.17 | 0.00678 | -143.54 | -167.58 | 0.00655 |
| -141.42 | -169.71 | 0.00623 | -137.89 | -173.24 | 0.00573 |
| -134.35 | -176.78 | 0.00528 | -127.28 | -183.85 | 0.00452 |
| -120.21 | -190.92 | 0.00390 | -113.14 | -197.99 | 0.00340 |
| -106.07 | -205.06 | 0.00298 | -98.99 | -212.13 | 0.00264 |
| -91.92 | -219.20 | 0.00236 | -84.85 | -226.27 | 0.00212 |
| -219.20 | -77.78 | 0.00164 | -212.13 | -84.85 | 0.00184 |
| -205.06 | -91.92 | 0.00209 | -197.99 | -99.00 | 0.00240 |
| -190.92 | -106.07 | 0.00278 | -183.85 | -113.14 | 0.00326 |
| -176.78 | -120.21 | 0.00392 | -169.71 | -127.28 | 0.00488 |
| -166.17 | -130.81 | 0.00557 | -162.63 | -134.35 | 0.00648 |
| -160.51 | -136.47 | 0.00714 | -159.10 | -137.89 | 0.00763 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -157.68 | -139.30 | 0.00817 | -156.27 | -140.71 | 0.00875 |
| -154.86 | -142.13 | 0.00941 | -142.13 | -154.86 | 0.00801 |
| -140.71 | -156.27 | 0.00762 | -139.30 | -157.68 | 0.00730 |
| -137.89 | -159.10 | 0.00702 | -136.47 | -160.51 | 0.00676 |
| -134.35 | -162.63 | 0.00641 | -130.81 | -166.17 | 0.00589 |
| -127.28 | -169.71 | 0.00542 | -120.21 | -176.78 | 0.00463 |
| -113.14 | -183.85 | 0.00398 | -106.07 | -190.92 | 0.00346 |
| -98.99 | -197.99 | 0.00303 | -91.92 | -205.06 | 0.00268 |
| -84.85 | -212.13 | 0.00239 | -77.78 | -219.20 | 0.00214 |
| -212.13 | -70.71 | 0.00172 | -205.06 | -77.78 | 0.00195 |
| -197.99 | -84.85 | 0.00223 | -190.92 | -91.92 | 0.00258 |
| -183.85 | -98.99 | 0.00304 | -176.78 | -106.07 | 0.00367 |
| -169.71 | -113.14 | 0.00458 | -162.63 | -120.21 | 0.00594 |
| -159.10 | -123.74 | 0.00682 | -155.56 | -127.28 | 0.00782 |

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

*** Maximum train overlap at NE/SW 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 | 0.00849 | -152.03 | -130.81 | 0.00896 |
| -150.61 | -132.23 | 0.00946 | -149.20 | -133.64 | 0.00999 |
| -147.79 | -135.06 | 0.01059 | -135.06 | -147.79 | 0.00844 |
| -133.64 | -149.20 | 0.00798 | -132.23 | -150.61 | 0.00761 |
| -130.81 | -152.03 | 0.00729 | -129.40 | -153.44 | 0.00699 |
| -127.28 | -155.56 | 0.00660 | -123.74 | -159.10 | 0.00603 |
| -120.21 | -162.63 | 0.00554 | -113.14 | -169.71 | 0.00471 |
| -106.07 | -176.78 | 0.00405 | -98.99 | -183.85 | 0.00352 |
| -91.92 | -190.92 | 0.00308 | -84.85 | -197.99 | 0.00272 |
| -77.78 | -205.06 | 0.00242 | -70.71 | -212.13 | 0.00216 |
| -205.06 | -63.64 | 0.00182 | -197.99 | -70.71 | 0.00208 |
| -190.92 | -77.78 | 0.00241 | -183.85 | -84.85 | 0.00284 |
| -176.78 | -91.92 | 0.00342 | -169.71 | -98.99 | 0.00422 |
| -162.63 | -106.07 | 0.00534 | -155.56 | -113.14 | 0.00682 |
| -152.03 | -116.67 | 0.00770 | -148.49 | -120.21 | 0.00868 |
| -146.37 | -122.33 | 0.00932 | -144.96 | -123.74 | 0.00977 |
| -143.54 | -125.16 | 0.01024 | -142.13 | -126.57 | 0.01074 |
| -140.71 | -127.99 | 0.01130 | -127.99 | -140.71 | 0.00879 |
| -126.57 | -142.13 | 0.00830 | -125.16 | -143.54 | 0.00790 |
| -123.74 | -144.96 | 0.00754 | -122.33 | -146.37 | 0.00722 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -120.21 | -148.49 | 0.00680 | -116.67 | -152.03 | 0.00618 |
| -113.14 | -155.56 | 0.00565 | -106.07 | -162.63 | 0.00479 |
| -98.99 | -169.71 | 0.00411 | -91.92 | -176.78 | 0.00356 |
| -84.85 | -183.85 | 0.00311 | -77.78 | -190.92 | 0.00275 |
| -70.71 | -197.99 | 0.00244 | -63.64 | -205.06 | 0.00218 |
| -197.99 | -56.57 | 0.00195 | -190.92 | -63.64 | 0.00225 |
| -183.85 | -70.71 | 0.00264 | -176.78 | -77.78 | 0.00316 |
| -169.71 | -84.85 | 0.00385 | -162.63 | -91.92 | 0.00478 |
| -155.56 | -98.99 | 0.00596 | -148.49 | -106.07 | 0.00744 |
| -144.96 | -109.60 | 0.00830 | -141.42 | -113.14 | 0.00926 |
| -139.30 | -115.26 | 0.00987 | -137.89 | -116.67 | 0.01030 |
| -136.47 | -118.09 | 0.01076 | -135.06 | -119.50 | 0.01124 |
| -133.64 | -120.92 | 0.01178 | -120.92 | -133.64 | 0.00907 |
| -119.50 | -135.06 | 0.00856 | -118.09 | -136.47 | 0.00813 |
| -116.67 | -137.89 | 0.00776 | -115.26 | -139.30 | 0.00742 |
| -113.14 | -141.42 | 0.00697 | -109.60 | -144.96 | 0.00632 |
| -106.07 | -148.49 | 0.00577 | -98.99 | -155.56 | 0.00486 |
| -91.92 | -162.63 | 0.00416 | -84.85 | -169.71 | 0.00360 |
| -77.78 | -176.78 | 0.00314 | -70.71 | -183.85 | 0.00277 |
| -63.64 | -190.92 | 0.00246 | -56.57 | -197.99 | 0.00219 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -190.92 | -49.50 | 0.00210 | -183.85 | -56.57 | 0.00246 |
| -176.78 | -63.64 | 0.00291 | -169.71 | -70.71 | 0.00350 |
| -162.63 | -77.78 | 0.00427 | -155.56 | -84.85 | 0.00523 |
| -148.49 | -91.92 | 0.00642 | -141.42 | -98.99 | 0.00788 |
| -137.89 | -102.53 | 0.00873 | -134.35 | -106.07 | 0.00966 |
| -132.23 | -108.19 | 0.01026 | -130.81 | -109.60 | 0.01069 |
| -129.40 | -111.02 | 0.01113 | -127.99 | -112.43 | 0.01160 |
| -126.57 | -113.84 | 0.01212 | -113.84 | -126.57 | 0.00929 |
| -112.43 | -127.99 | 0.00876 | -111.02 | -129.40 | 0.00832 |
| -109.60 | -130.81 | 0.00794 | -108.19 | -132.23 | 0.00759 |
| -106.07 | -134.35 | 0.00712 | -102.53 | -137.89 | 0.00645 |
| -98.99 | -141.42 | 0.00587 | -91.92 | -148.49 | 0.00493 |
| -84.85 | -155.56 | 0.00420 | -77.78 | -162.63 | 0.00363 |
| -70.71 | -169.71 | 0.00317 | -63.64 | -176.78 | 0.00279 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -56.57 | -183.85 | 0.00247 | -49.50 | -190.92 | 0.00220 |
| -183.85 | -42.43 | 0.00228 | -176.78 | -49.50 | 0.00268 |
| -169.71 | -56.57 | 0.00318 | -162.63 | -63.64 | 0.00382 |
| -155.56 | -70.71 | 0.00461 | -148.49 | -77.78 | 0.00557 |
| -141.42 | -84.85 | 0.00676 | -134.35 | -91.92 | 0.00821 |
| -130.81 | -95.46 | 0.00904 | -127.28 | -98.99 | 0.00996 |
| -125.16 | -101.12 | 0.01056 | -123.74 | -102.53 | 0.01097 |
| -122.33 | -103.94 | 0.01140 | -120.92 | -105.36 | 0.01186 |
| -119.50 | -106.77 | 0.01238 | -106.77 | -119.50 | 0.00946 |
| -105.36 | -120.92 | 0.00892 | -103.94 | -122.33 | 0.00848 |
| -102.53 | -123.74 | 0.00808 | -101.12 | -125.16 | 0.00773 |
| -98.99 | -127.28 | 0.00725 | -95.46 | -130.81 | 0.00655 |
| -91.92 | -134.35 | 0.00596 | -84.85 | -141.42 | 0.00500 |
| -77.78 | -148.49 | 0.00425 | -70.71 | -155.56 | 0.00366 |
| -63.64 | -162.63 | 0.00319 | -56.57 | -169.71 | 0.00280 |
| -49.50 | -176.78 | 0.00248 | -42.43 | -183.85 | 0.00221 |
| -176.78 | -35.36 | 0.00246 | -169.71 | -42.43 | 0.00289 |
| -162.63 | -49.50 | 0.00343 | -155.56 | -56.57 | 0.00408 |
| -148.49 | -63.64 | 0.00487 | -141.42 | -70.71 | 0.00584 |
| -134.35 | -77.78 | 0.00702 | -127.28 | -84.85 | 0.00845 |
| -123.74 | -88.39 | 0.00928 | -120.21 | -91.92 | 0.01019 |
| -118.09 | -94.05 | 0.01077 | -116.67 | -95.46 | 0.01118 |
| -115.26 | -96.87 | 0.01161 | -113.84 | -98.29 | 0.01207 |
| -112.43 | -99.70 | 0.01257 | -99.70 | -112.43 | 0.00960 |
| -98.29 | -113.84 | 0.00906 | -96.87 | -115.26 | 0.00860 |
| -95.46 | -116.67 | 0.00820 | -94.05 | -118.09 | 0.00784 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -91.92 | -120.21 | 0.00735 | -88.39 | -123.74 | 0.00664 |
| -84.85 | -127.28 | 0.00604 | -77.78 | -134.35 | 0.00505 |
| -70.71 | -141.42 | 0.00429 | -63.64 | -148.49 | 0.00369 |
| -56.57 | -155.56 | 0.00320 | -49.50 | -162.63 | 0.00281 |
| -42.43 | -169.71 | 0.00249 | -35.36 | -176.78 | 0.00221 |
| -169.71 | -28.28 | 0.00264 | -162.63 | -35.36 | 0.00309 |
| -155.56 | -42.43 | 0.00363 | -148.49 | -49.50 | 0.00429 |
| -141.42 | -56.57 | 0.00508 | -134.35 | -63.64 | 0.00605 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -127.28 | -70.71 | 0.00722 | -120.21 | -77.78 | 0.00864 |
| -116.67 | -81.32 | 0.00946 | -113.14 | -84.85 | 0.01035 |
| -111.02 | -86.97 | 0.01093 | -109.60 | -88.39 | 0.01133 |
| -108.19 | -89.80 | 0.01176 | -106.77 | -91.22 | 0.01224 |
| -105.36 | -92.63 | 0.01276 | -92.63 | -105.36 | 0.00971 |
| -91.22 | -106.77 | 0.00916 | -89.80 | -108.19 | 0.00869 |
| -88.39 | -109.60 | 0.00829 | -86.97 | -111.02 | 0.00793 |
| -84.85 | -113.14 | 0.00743 | -81.32 | -116.67 | 0.00672 |
| -77.78 | -120.21 | 0.00610 | -70.71 | -127.28 | 0.00510 |
| -63.64 | -134.35 | 0.00433 | -56.57 | -141.42 | 0.00371 |
| -49.50 | -148.49 | 0.00322 | -42.43 | -155.56 | 0.00282 |
| -35.36 | -162.63 | 0.00249 | -28.28 | -169.71 | 0.00221 |
| -162.63 | -21.21 | 0.00279 | -155.56 | -28.28 | 0.00325 |
| -148.49 | -35.36 | 0.00380 | -141.42 | -42.43 | 0.00446 |
| -134.35 | -49.50 | 0.00525 | -127.28 | -56.57 | 0.00621 |
| -120.21 | -63.64 | 0.00738 | -113.14 | -70.71 | 0.00879 |
| -109.60 | -74.25 | 0.00960 | -106.07 | -77.78 | 0.01049 |
| -103.94 | -79.90 | 0.01106 | -102.53 | -81.32 | 0.01146 |
| -101.12 | -82.73 | 0.01189 | -99.70 | -84.15 | 0.01235 |
| -98.29 | -85.56 | 0.01287 | -85.56 | -98.29 | 0.00980 |
| -84.15 | -99.70 | 0.00925 | -82.73 | -101.12 | 0.00878 |
| -81.32 | -102.53 | 0.00837 | -79.90 | -103.94 | 0.00800 |
| -77.78 | -106.07 | 0.00750 | -74.25 | -109.60 | 0.00678 |
| -70.71 | -113.14 | 0.00615 | -63.64 | -120.21 | 0.00514 |
| -56.57 | -127.28 | 0.00436 | -49.50 | -134.35 | 0.00374 |
| -42.43 | -141.42 | 0.00324 | -35.36 | -148.49 | 0.00283 |
| -28.28 | -155.56 | 0.00249 | -21.21 | -162.63 | 0.00221 |
| -155.56 | -14.14 | 0.00293 | -148.49 | -21.21 | 0.00339 |
| -141.42 | -28.28 | 0.00394 | -134.35 | -35.36 | 0.00459 |
| -127.28 | -42.43 | 0.00538 | -120.21 | -49.50 | 0.00635 |
| -113.14 | -56.57 | 0.00751 | -106.07 | -63.64 | 0.00891 |
| -102.53 | -67.18 | 0.00971 | -98.99 | -70.71 | 0.01059 |

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

18:13:13
 **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 | 0.01117 | -95.46 | -74.25 | 0.01157 |
| -94.05 | -75.66 | 0.01199 | -92.63 | -77.07 | 0.01244 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -91.22 | -78.49 | 0.01296 | -78.49 | -91.22 | 0.00985 |
| -77.07 | -92.63 | 0.00930 | -75.66 | -94.05 | 0.00884 |
| -74.25 | -95.46 | 0.00843 | -72.83 | -96.87 | 0.00806 |
| -70.71 | -98.99 | 0.00756 | -67.18 | -102.53 | 0.00683 |
| -63.64 | -106.07 | 0.00620 | -56.57 | -113.14 | 0.00518 |
| -49.50 | -120.21 | 0.00438 | -42.43 | -127.28 | 0.00375 |
| -35.36 | -134.35 | 0.00325 | -28.28 | -141.42 | 0.00284 |
| -21.21 | -148.49 | 0.00250 | -14.14 | -155.56 | 0.00221 |
| -148.49 | -7.07 | 0.00304 | -141.42 | -14.14 | 0.00350 |
| -134.35 | -21.21 | 0.00405 | -127.28 | -28.28 | 0.00470 |
| -120.21 | -35.36 | 0.00550 | -113.14 | -42.43 | 0.00645 |
| -106.07 | -49.50 | 0.00761 | -98.99 | -56.57 | 0.00900 |
| -95.46 | -60.10 | 0.00980 | -91.92 | -63.64 | 0.01068 |
| -89.80 | -65.76 | 0.01125 | -88.39 | -67.18 | 0.01165 |
| -86.97 | -68.59 | 0.01207 | -85.56 | -70.00 | 0.01251 |
| -84.15 | -71.42 | 0.01303 | -71.42 | -84.15 | 0.00990 |
| -70.00 | -85.56 | 0.00935 | -68.59 | -86.97 | 0.00889 |
| -67.18 | -88.39 | 0.00848 | -65.76 | -89.80 | 0.00810 |
| -63.64 | -91.92 | 0.00760 | -60.10 | -95.46 | 0.00686 |
| -56.57 | -98.99 | 0.00624 | -49.50 | -106.07 | 0.00520 |
| -42.43 | -113.14 | 0.00440 | -35.36 | -120.21 | 0.00377 |
| -28.28 | -127.28 | 0.00326 | -21.21 | -134.35 | 0.00284 |
| -14.14 | -141.42 | 0.00250 | -7.07 | -148.49 | 0.00221 |
| -141.42 | 0.00 | 0.00313 | -134.35 | -7.07 | 0.00359 |
| -127.28 | -14.14 | 0.00414 | -120.21 | -21.21 | 0.00480 |
| -113.14 | -28.28 | 0.00559 | -106.07 | -35.36 | 0.00654 |
| -98.99 | -42.43 | 0.00769 | -91.92 | -49.50 | 0.00907 |
| -88.39 | -53.03 | 0.00987 | -84.85 | -56.57 | 0.01074 |
| -82.73 | -58.69 | 0.01131 | -81.32 | -60.10 | 0.01171 |
| -79.90 | -61.52 | 0.01213 | -78.49 | -62.93 | 0.01257 |
| -77.07 | -64.35 | 0.01308 | -64.35 | -77.07 | 0.00995 |
| -62.93 | -78.49 | 0.00939 | -61.52 | -79.90 | 0.00893 |
| -60.10 | -81.32 | 0.00851 | -58.69 | -82.73 | 0.00814 |
| -56.57 | -84.85 | 0.00763 | -53.03 | -88.39 | 0.00690 |
| -49.50 | -91.92 | 0.00626 | -42.43 | -98.99 | 0.00523 |
| -35.36 | -106.07 | 0.00442 | -28.28 | -113.14 | 0.00378 |
| -21.21 | -120.21 | 0.00326 | -14.14 | -127.28 | 0.00284 |
| -7.07 | -134.35 | 0.00249 | 0.00 | -141.42 | 0.00220 |

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

04/20/08

*** Maximum train overlap at NE/SW 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 |
| -134.35 | 7.07 | 0.00320 | -127.28 | 0.00 | 0.00367 |
| -120.21 | -7.07 | 0.00422 | -113.14 | -14.14 | 0.00487 |
| -106.07 | -21.21 | 0.00566 | -98.99 | -28.28 | 0.00660 |
| -91.92 | -35.36 | 0.00775 | -84.85 | -42.43 | 0.00913 |
| -81.32 | -45.96 | 0.00992 | -77.78 | -49.50 | 0.01080 |
| -75.66 | -51.62 | 0.01136 | -74.25 | -53.03 | 0.01176 |
| -72.83 | -54.45 | 0.01218 | -71.42 | -55.86 | 0.01262 |
| -70.00 | -57.28 | 0.01312 | -57.28 | -70.00 | 0.00998 |
| -55.86 | -71.42 | 0.00942 | -54.45 | -72.83 | 0.00896 |
| -53.03 | -74.25 | 0.00854 | -51.62 | -75.66 | 0.00817 |
| -49.50 | -77.78 | 0.00766 | -45.96 | -81.32 | 0.00692 |
| -42.43 | -84.85 | 0.00628 | -35.36 | -91.92 | 0.00524 |
| -28.28 | -98.99 | 0.00443 | -21.21 | -106.07 | 0.00378 |
| -14.14 | -113.14 | 0.00326 | -7.07 | -120.21 | 0.00284 |
| 0.00 | -127.28 | 0.00249 | 7.07 | -134.35 | 0.00220 |
| -127.28 | 14.14 | 0.00327 | -120.21 | 7.07 | 0.00373 |
| -113.14 | 0.00 | 0.00428 | -106.07 | -7.07 | 0.00493 |
| -98.99 | -14.14 | 0.00572 | -91.92 | -21.21 | 0.00666 |
| -84.85 | -28.28 | 0.00780 | -77.78 | -35.36 | 0.00917 |
| -74.25 | -38.89 | 0.00997 | -70.71 | -42.43 | 0.01084 |
| -68.59 | -44.55 | 0.01140 | -67.18 | -45.96 | 0.01180 |
| -65.76 | -47.38 | 0.01222 | -64.35 | -48.79 | 0.01266 |
| -62.93 | -50.20 | 0.01316 | -50.20 | -62.93 | 0.01001 |
| -48.79 | -64.35 | 0.00945 | -47.38 | -65.76 | 0.00898 |
| -45.96 | -67.18 | 0.00856 | -44.55 | -68.59 | 0.00819 |
| -42.43 | -70.71 | 0.00768 | -38.89 | -74.25 | 0.00694 |
| -35.36 | -77.78 | 0.00630 | -28.28 | -84.85 | 0.00525 |
| -21.21 | -91.92 | 0.00443 | -14.14 | -98.99 | 0.00378 |
| -7.07 | -106.07 | 0.00326 | 0.00 | -113.14 | 0.00283 |
| 7.07 | -120.21 | 0.00248 | 14.14 | -127.28 | 0.00219 |
| -120.21 | 21.21 | 0.00332 | -113.14 | 14.14 | 0.00378 |
| -106.07 | 7.07 | 0.00433 | -98.99 | 0.00 | 0.00498 |
| -91.92 | -7.07 | 0.00576 | -84.85 | -14.14 | 0.00670 |
| -77.78 | -21.21 | 0.00783 | -70.71 | -28.28 | 0.00921 |
| -67.18 | -31.82 | 0.00999 | -63.64 | -35.36 | 0.01087 |
| -61.52 | -37.48 | 0.01144 | -60.10 | -38.89 | 0.01183 |
| -58.69 | -40.31 | 0.01224 | -57.28 | -41.72 | 0.01269 |
| -55.86 | -43.13 | 0.01318 | -43.13 | -55.86 | 0.01003 |
| -41.72 | -57.28 | 0.00947 | -40.31 | -58.69 | 0.00900 |
| -38.89 | -60.10 | 0.00858 | -37.48 | -61.52 | 0.00820 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -35.36 | -63.64 | 0.00769 | -31.82 | -67.18 | 0.00694 |
| -28.28 | -70.71 | 0.00630 | -21.21 | -77.78 | 0.00525 |
| -14.14 | -84.85 | 0.00443 | -7.07 | -91.92 | 0.00378 |
| 0.00 | -98.99 | 0.00325 | 7.07 | -106.07 | 0.00282 |
| 14.14 | -113.14 | 0.00247 | 21.21 | -120.21 | 0.00217 |
| -113.14 | 28.28 | 0.00336 | -106.07 | 21.21 | 0.00382 |
| -98.99 | 14.14 | 0.00437 | -91.92 | 7.07 | 0.00502 |
| -84.85 | 0.00 | 0.00580 | -77.78 | -7.07 | 0.00673 |
| -70.71 | -14.14 | 0.00786 | -63.64 | -21.21 | 0.00923 |
| -60.10 | -24.75 | 0.01003 | -56.57 | -28.28 | 0.01090 |
| -54.45 | -30.41 | 0.01146 | -53.03 | -31.82 | 0.01186 |
| -51.62 | -33.23 | 0.01227 | -50.20 | -34.65 | 0.01271 |
| -48.79 | -36.06 | 0.01321 | -36.06 | -48.79 | 0.01005 |
| -34.65 | -50.20 | 0.00948 | -33.23 | -51.62 | 0.00901 |
| -31.82 | -53.03 | 0.00859 | -30.41 | -54.45 | 0.00821 |
| -28.28 | -56.57 | 0.00769 | -24.75 | -60.10 | 0.00695 |
| -21.21 | -63.64 | 0.00631 | -14.14 | -70.71 | 0.00525 |
| -7.07 | -77.78 | 0.00443 | 0.00 | -84.85 | 0.00377 |
| 7.07 | -91.92 | 0.00325 | 14.14 | -98.99 | 0.00281 |
| 21.21 | -106.07 | 0.00246 | 28.28 | -113.14 | 0.00216 |
| -106.07 | 35.36 | 0.00340 | -98.99 | 28.28 | 0.00386 |
| -91.92 | 21.21 | 0.00440 | -84.85 | 14.14 | 0.00505 |
| -77.78 | 7.07 | 0.00582 | -70.71 | 0.00 | 0.00675 |
| -63.64 | -7.07 | 0.00788 | -56.57 | -14.14 | 0.00925 |
| -53.03 | -17.68 | 0.01004 | -49.50 | -21.21 | 0.01091 |
| -47.38 | -23.33 | 0.01147 | -45.96 | -24.75 | 0.01186 |
| -44.55 | -26.16 | 0.01228 | -43.13 | -27.58 | 0.01274 |
| -41.72 | -28.99 | 0.01325 | -28.99 | -41.72 | 0.01006 |
| -27.58 | -43.13 | 0.00949 | -26.16 | -44.55 | 0.00901 |
| -24.75 | -45.96 | 0.00859 | -23.33 | -47.38 | 0.00821 |
| -21.21 | -49.50 | 0.00770 | -17.68 | -53.03 | 0.00695 |
| -14.14 | -56.57 | 0.00630 | -7.07 | -63.64 | 0.00525 |
| 0.00 | -70.71 | 0.00442 | 7.07 | -77.78 | 0.00376 |
| 14.14 | -84.85 | 0.00323 | 21.21 | -91.92 | 0.00280 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 28.28 | -98.99 | 0.00244 | 35.36 | -106.07 | 0.00214 |
| -98.99 | 42.43 | 0.00342 | -91.92 | 35.36 | 0.00388 |
| -84.85 | 28.28 | 0.00442 | -77.78 | 21.21 | 0.00507 |
| -70.71 | 14.14 | 0.00584 | -63.64 | 7.07 | 0.00677 |
| -56.57 | 0.00 | 0.00789 | -49.50 | -7.07 | 0.00926 |
| -45.96 | -10.61 | 0.01005 | -42.43 | -14.14 | 0.01092 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 | 0.01148 | -38.89 | -17.68 | 0.01187 |
| -37.48 | -19.09 | 0.01228 | -36.06 | -20.51 | 0.01274 |
| -34.65 | -21.92 | 0.01325 | -21.92 | -34.65 | 0.01005 |
| -20.51 | -36.06 | 0.00949 | -19.09 | -37.48 | 0.00901 |
| -17.68 | -38.89 | 0.00859 | -16.26 | -40.31 | 0.00821 |
| -14.14 | -42.43 | 0.00769 | -10.61 | -45.96 | 0.00694 |
| -7.07 | -49.50 | 0.00629 | 0.00 | -56.57 | 0.00524 |
| 7.07 | -63.64 | 0.00441 | 14.14 | -70.71 | 0.00375 |
| 21.21 | -77.78 | 0.00322 | 28.28 | -84.85 | 0.00278 |
| 35.36 | -91.92 | 0.00242 | 42.43 | -98.99 | 0.00212 |
| -91.92 | 49.50 | 0.00344 | -84.85 | 42.43 | 0.00390 |
| -77.78 | 35.36 | 0.00444 | -70.71 | 28.28 | 0.00508 |
| -63.64 | 21.21 | 0.00585 | -56.57 | 14.14 | 0.00678 |
| -49.50 | 7.07 | 0.00790 | -42.43 | 0.00 | 0.00927 |
| -38.89 | -3.54 | 0.01006 | -35.36 | -7.07 | 0.01092 |
| -33.23 | -9.19 | 0.01148 | -31.82 | -10.61 | 0.01188 |
| -30.41 | -12.02 | 0.01228 | -28.99 | -13.44 | 0.01273 |
| -27.58 | -14.85 | 0.01324 | -14.85 | -27.58 | 0.01003 |
| -13.44 | -28.99 | 0.00947 | -12.02 | -30.41 | 0.00900 |
| -10.61 | -31.82 | 0.00858 | -9.19 | -33.23 | 0.00820 |
| -7.07 | -35.36 | 0.00768 | -3.54 | -38.89 | 0.00693 |
| 0.00 | -42.43 | 0.00628 | 7.07 | -49.50 | 0.00522 |
| 14.14 | -56.57 | 0.00439 | 21.21 | -63.64 | 0.00373 |
| 28.28 | -70.71 | 0.00320 | 35.36 | -77.78 | 0.00276 |
| 42.43 | -84.85 | 0.00240 | 49.50 | -91.92 | 0.00210 |
| -84.85 | 56.57 | 0.00346 | -77.78 | 49.50 | 0.00391 |
| -70.71 | 42.43 | 0.00445 | -63.64 | 35.36 | 0.00508 |
| -56.57 | 28.28 | 0.00585 | -49.50 | 21.21 | 0.00678 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -42.43 | 14.14 | 0.00790 | -35.36 | 7.07 | 0.00926 |
| -31.82 | 3.54 | 0.01005 | -28.28 | 0.00 | 0.01091 |
| -26.16 | -2.12 | 0.01147 | -24.75 | -3.54 | 0.01187 |
| -23.33 | -4.95 | 0.01228 | -21.92 | -6.36 | 0.01272 |
| -20.51 | -7.78 | 0.01322 | -7.78 | -20.51 | 0.01002 |
| -6.36 | -21.92 | 0.00946 | -4.95 | -23.33 | 0.00899 |
| -3.54 | -24.75 | 0.00857 | -2.12 | -26.16 | 0.00819 |
| 0.00 | -28.28 | 0.00767 | 3.54 | -31.82 | 0.00692 |
| 7.07 | -35.36 | 0.00627 | 14.14 | -42.43 | 0.00521 |
| 21.21 | -49.50 | 0.00437 | 28.28 | -56.57 | 0.00371 |
| 35.36 | -63.64 | 0.00317 | 42.43 | -70.71 | 0.00274 |
| 49.50 | -77.78 | 0.00237 | 56.57 | -84.85 | 0.00207 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
| -77.78 | 63.64 | 0.00346 | -70.71 | 56.57 | 0.00391 |
| -63.64 | 49.50 | 0.00445 | -56.57 | 42.43 | 0.00508 |
| -49.50 | 35.36 | 0.00585 | -42.43 | 28.28 | 0.00677 |
| -35.36 | 21.21 | 0.00789 | -28.28 | 14.14 | 0.00926 |
| -24.75 | 10.61 | 0.01004 | -21.21 | 7.07 | 0.01090 |
| -19.09 | 4.95 | 0.01146 | -17.68 | 3.54 | 0.01185 |
| -16.26 | 2.12 | 0.01226 | -14.85 | 0.71 | 0.01270 |
| -13.44 | -0.71 | 0.01320 | -0.71 | -13.44 | 0.01000 |
| 0.71 | -14.85 | 0.00944 | 2.12 | -16.26 | 0.00897 |
| 3.54 | -17.68 | 0.00854 | 4.95 | -19.09 | 0.00817 |
| 7.07 | -21.21 | 0.00765 | 10.61 | -24.75 | 0.00690 |
| 14.14 | -28.28 | 0.00625 | 21.21 | -35.36 | 0.00518 |
| 28.28 | -42.43 | 0.00435 | 35.36 | -49.50 | 0.00368 |
| 42.43 | -56.57 | 0.00315 | 49.50 | -63.64 | 0.00271 |
| 56.57 | -70.71 | 0.00234 | 63.64 | -77.78 | 0.00204 |
| -70.71 | 70.71 | 0.00347 | -63.64 | 63.64 | 0.00391 |
| -56.57 | 56.57 | 0.00444 | -49.50 | 49.50 | 0.00508 |
| -42.43 | 42.43 | 0.00584 | -35.36 | 35.36 | 0.00676 |
| -28.28 | 28.28 | 0.00788 | -21.21 | 21.21 | 0.00924 |
| -17.68 | 17.68 | 0.01002 | -14.14 | 14.14 | 0.01088 |
| -12.02 | 12.02 | 0.01144 | -10.61 | 10.61 | 0.01183 |
| -9.19 | 9.19 | 0.01225 | -7.78 | 7.78 | 0.01269 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -6.36 | 6.36 | 0.01318 | 6.36 | -6.36 | 0.00998 |
| 7.78 | -7.78 | 0.00942 | 9.19 | -9.19 | 0.00894 |
| 10.61 | -10.61 | 0.00852 | 12.02 | -12.02 | 0.00814 |
| 14.14 | -14.14 | 0.00762 | 17.68 | -17.68 | 0.00687 |
| 21.21 | -21.21 | 0.00622 | 28.28 | -28.28 | 0.00515 |
| 35.36 | -35.36 | 0.00432 | 42.43 | -42.43 | 0.00365 |
| 49.50 | -49.50 | 0.00311 | 56.57 | -56.57 | 0.00267 |
| 63.64 | -63.64 | 0.00231 | 70.71 | -70.71 | 0.00201 |
| -63.64 | 77.78 | 0.00347 | -56.57 | 70.71 | 0.00391 |
| -49.50 | 63.64 | 0.00444 | -42.43 | 56.57 | 0.00506 |
| -35.36 | 49.50 | 0.00582 | -28.28 | 42.43 | 0.00674 |
| -21.21 | 35.36 | 0.00786 | -14.14 | 28.28 | 0.00922 |
| -10.61 | 24.75 | 0.01000 | -7.07 | 21.21 | 0.01086 |
| -4.95 | 19.09 | 0.01142 | -3.54 | 17.68 | 0.01181 |
| -2.12 | 16.26 | 0.01223 | -0.71 | 14.85 | 0.01266 |
| 0.71 | 13.44 | 0.01315 | 13.44 | 0.71 | 0.00995 |
| 14.85 | -0.71 | 0.00939 | 16.26 | -2.12 | 0.00891 |
| 17.68 | -3.54 | 0.00849 | 19.09 | -4.95 | 0.00811 |

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

18:13:13
 **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 |
| 21.21 | -7.07 | 0.00759 | 24.75 | -10.61 | 0.00684 |
| 28.28 | -14.14 | 0.00619 | 35.36 | -21.21 | 0.00512 |
| 42.43 | -28.28 | 0.00428 | 49.50 | -35.36 | 0.00362 |
| 56.57 | -42.43 | 0.00308 | 63.64 | -49.50 | 0.00264 |
| 70.71 | -56.57 | 0.00227 | 77.78 | -63.64 | 0.00197 |
| -56.57 | 84.85 | 0.00346 | -49.50 | 77.78 | 0.00390 |
| -42.43 | 70.71 | 0.00442 | -35.36 | 63.64 | 0.00505 |
| -28.28 | 56.57 | 0.00580 | -21.21 | 49.50 | 0.00672 |
| -14.14 | 42.43 | 0.00783 | -7.07 | 35.36 | 0.00919 |
| -3.54 | 31.82 | 0.00997 | 0.00 | 28.28 | 0.01084 |
| 2.12 | 26.16 | 0.01140 | 3.54 | 24.75 | 0.01179 |
| 4.95 | 23.33 | 0.01219 | 6.36 | 21.92 | 0.01263 |
| 7.78 | 20.51 | 0.01312 | 20.51 | 7.78 | 0.00992 |
| 21.92 | 6.36 | 0.00935 | 23.33 | 4.95 | 0.00888 |
| 24.75 | 3.54 | 0.00846 | 26.16 | 2.12 | 0.00808 |
| 28.28 | 0.00 | 0.00756 | 31.82 | -3.54 | 0.00680 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 35.36 | -7.07 | 0.00615 | 42.43 | -14.14 | 0.00508 |
| 49.50 | -21.21 | 0.00424 | 56.57 | -28.28 | 0.00357 |
| 63.64 | -35.36 | 0.00303 | 70.71 | -42.43 | 0.00259 |
| 77.78 | -49.50 | 0.00223 | 84.85 | -56.57 | 0.00193 |
| -49.50 | 91.92 | 0.00345 | -42.43 | 84.85 | 0.00388 |
| -35.36 | 77.78 | 0.00440 | -28.28 | 70.71 | 0.00502 |
| -21.21 | 63.64 | 0.00578 | -14.14 | 56.57 | 0.00669 |
| -7.07 | 49.50 | 0.00780 | 0.00 | 42.43 | 0.00915 |
| 3.54 | 38.89 | 0.00994 | 7.07 | 35.36 | 0.01080 |
| 9.19 | 33.23 | 0.01136 | 10.61 | 31.82 | 0.01175 |
| 12.02 | 30.41 | 0.01216 | 13.44 | 28.99 | 0.01260 |
| 14.85 | 27.58 | 0.01309 | 27.58 | 14.85 | 0.00989 |
| 28.99 | 13.44 | 0.00932 | 30.41 | 12.02 | 0.00884 |
| 31.82 | 10.61 | 0.00842 | 33.23 | 9.19 | 0.00803 |
| 35.36 | 7.07 | 0.00751 | 38.89 | 3.54 | 0.00676 |
| 42.43 | 0.00 | 0.00610 | 49.50 | -7.07 | 0.00503 |
| 56.57 | -14.14 | 0.00420 | 63.64 | -21.21 | 0.00353 |
| 70.71 | -28.28 | 0.00299 | 77.78 | -35.36 | 0.00255 |
| 84.85 | -42.43 | 0.00218 | 91.92 | -49.50 | 0.00189 |
| -42.43 | 98.99 | 0.00344 | -35.36 | 91.92 | 0.00386 |
| -28.28 | 84.85 | 0.00438 | -21.21 | 77.78 | 0.00500 |
| -14.14 | 70.71 | 0.00574 | -7.07 | 63.64 | 0.00665 |
| 0.00 | 56.57 | 0.00776 | 7.07 | 49.50 | 0.00911 |
| 10.61 | 45.96 | 0.00990 | 14.14 | 42.43 | 0.01076 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 | 0.01131 | 17.68 | 38.89 | 0.01170 |
| 19.09 | 37.48 | 0.01211 | 20.51 | 36.06 | 0.01257 |
| 21.92 | 34.65 | 0.01308 | 34.65 | 21.92 | 0.00984 |
| 36.06 | 20.51 | 0.00927 | 37.48 | 19.09 | 0.00878 |
| 38.89 | 17.68 | 0.00836 | 40.31 | 16.26 | 0.00798 |
| 42.43 | 14.14 | 0.00746 | 45.96 | 10.61 | 0.00670 |
| 49.50 | 7.07 | 0.00605 | 56.57 | 0.00 | 0.00498 |
| 63.64 | -7.07 | 0.00414 | 70.71 | -14.14 | 0.00347 |
| 77.78 | -21.21 | 0.00293 | 84.85 | -28.28 | 0.00249 |
| 91.92 | -35.36 | 0.00213 | 98.99 | -42.43 | 0.00184 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -35.36 | 106.07 | 0.00342 | -28.28 | 98.99 | 0.00384 |
| -21.21 | 91.92 | 0.00435 | -14.14 | 84.85 | 0.00496 |
| -7.07 | 77.78 | 0.00571 | 0.00 | 70.71 | 0.00661 |
| 7.07 | 63.64 | 0.00772 | 14.14 | 56.57 | 0.00907 |
| 17.68 | 53.03 | 0.00985 | 21.21 | 49.50 | 0.01071 |
| 23.33 | 47.38 | 0.01126 | 24.75 | 45.96 | 0.01165 |
| 26.16 | 44.55 | 0.01206 | 27.58 | 43.13 | 0.01251 |
| 28.99 | 41.72 | 0.01302 | 41.72 | 28.99 | 0.00979 |
| 43.13 | 27.58 | 0.00922 | 44.55 | 26.16 | 0.00873 |
| 45.96 | 24.75 | 0.00831 | 47.38 | 23.33 | 0.00792 |
| 49.50 | 21.21 | 0.00740 | 53.03 | 17.68 | 0.00665 |
| 56.57 | 14.14 | 0.00599 | 63.64 | 7.07 | 0.00492 |
| 70.71 | 0.00 | 0.00408 | 77.78 | -7.07 | 0.00341 |
| 84.85 | -14.14 | 0.00287 | 91.92 | -21.21 | 0.00243 |
| 98.99 | -28.28 | 0.00208 | 106.07 | -35.36 | 0.00179 |
| -28.28 | 113.14 | 0.00340 | -21.21 | 106.07 | 0.00381 |
| -14.14 | 98.99 | 0.00432 | -7.07 | 91.92 | 0.00492 |
| 0.00 | 84.85 | 0.00566 | 7.07 | 77.78 | 0.00656 |
| 14.14 | 70.71 | 0.00767 | 21.21 | 63.64 | 0.00901 |
| 24.75 | 60.10 | 0.00979 | 28.28 | 56.57 | 0.01065 |
| 30.41 | 54.45 | 0.01120 | 31.82 | 53.03 | 0.01159 |
| 33.23 | 51.62 | 0.01200 | 34.65 | 50.20 | 0.01244 |
| 36.06 | 48.79 | 0.01295 | 48.79 | 36.06 | 0.00970 |
| 50.20 | 34.65 | 0.00914 | 51.62 | 33.23 | 0.00866 |
| 53.03 | 31.82 | 0.00824 | 54.45 | 30.41 | 0.00786 |
| 56.57 | 28.28 | 0.00734 | 60.10 | 24.75 | 0.00658 |
| 63.64 | 21.21 | 0.00592 | 70.71 | 14.14 | 0.00485 |
| 77.78 | 7.07 | 0.00401 | 84.85 | 0.00 | 0.00334 |
| 91.92 | -7.07 | 0.00280 | 98.99 | -14.14 | 0.00237 |
| 106.07 | -21.21 | 0.00202 | 113.14 | -28.28 | 0.00173 |

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

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 **MODELOPTs:
 PAGE 135
 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 |
| -21.21 | 120.21 | 0.00337 | -14.14 | 113.14 | 0.00378 |
| -7.07 | 106.07 | 0.00428 | 0.00 | 98.99 | 0.00488 |
| 7.07 | 91.92 | 0.00561 | 14.14 | 84.85 | 0.00651 |
| 21.21 | 77.78 | 0.00761 | 28.28 | 70.71 | 0.00895 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 31.82 | 67.18 | 0.00972 | 35.36 | 63.64 | 0.01058 |
| 37.48 | 61.52 | 0.01113 | 38.89 | 60.10 | 0.01152 |
| 40.31 | 58.69 | 0.01193 | 41.72 | 57.28 | 0.01236 |
| 43.13 | 55.86 | 0.01287 | 55.86 | 43.13 | 0.00963 |
| 57.28 | 41.72 | 0.00906 | 58.69 | 40.31 | 0.00859 |
| 60.10 | 38.89 | 0.00817 | 61.52 | 37.48 | 0.00778 |
| 63.64 | 35.36 | 0.00726 | 67.18 | 31.82 | 0.00650 |
| 70.71 | 28.28 | 0.00585 | 77.78 | 21.21 | 0.00477 |
| 84.85 | 14.14 | 0.00393 | 91.92 | 7.07 | 0.00326 |
| 98.99 | 0.00 | 0.00273 | 106.07 | -7.07 | 0.00230 |
| 113.14 | -14.14 | 0.00195 | 120.21 | -21.21 | 0.00167 |
| -14.14 | 127.28 | 0.00334 | -7.07 | 120.21 | 0.00375 |
| 0.00 | 113.14 | 0.00424 | 7.07 | 106.07 | 0.00483 |
| 14.14 | 98.99 | 0.00555 | 21.21 | 91.92 | 0.00644 |
| 28.28 | 84.85 | 0.00753 | 35.36 | 77.78 | 0.00887 |
| 38.89 | 74.25 | 0.00965 | 42.43 | 70.71 | 0.01050 |
| 44.55 | 68.59 | 0.01105 | 45.96 | 67.18 | 0.01144 |
| 47.38 | 65.76 | 0.01185 | 48.79 | 64.35 | 0.01228 |
| 50.20 | 62.93 | 0.01278 | 62.93 | 50.20 | 0.00954 |
| 64.35 | 48.79 | 0.00898 | 65.76 | 47.38 | 0.00850 |
| 67.18 | 45.96 | 0.00808 | 68.59 | 44.55 | 0.00769 |
| 70.71 | 42.43 | 0.00717 | 74.25 | 38.89 | 0.00641 |
| 77.78 | 35.36 | 0.00576 | 84.85 | 28.28 | 0.00468 |
| 91.92 | 21.21 | 0.00384 | 98.99 | 14.14 | 0.00318 |
| 106.07 | 7.07 | 0.00264 | 113.14 | 0.00 | 0.00222 |
| 120.21 | -7.07 | 0.00188 | 127.28 | -14.14 | 0.00161 |
| -7.07 | 134.35 | 0.00331 | 0.00 | 127.28 | 0.00371 |
| 7.07 | 120.21 | 0.00419 | 14.14 | 113.14 | 0.00477 |
| 21.21 | 106.07 | 0.00548 | 28.28 | 98.99 | 0.00637 |
| 35.36 | 91.92 | 0.00745 | 42.43 | 84.85 | 0.00879 |
| 45.96 | 81.32 | 0.00956 | 49.50 | 77.78 | 0.01041 |
| 51.62 | 75.66 | 0.01095 | 53.03 | 74.25 | 0.01134 |
| 54.45 | 72.83 | 0.01175 | 55.86 | 71.42 | 0.01219 |
| 57.28 | 70.00 | 0.01268 | 70.00 | 57.28 | 0.00944 |
| 71.42 | 55.86 | 0.00888 | 72.83 | 54.45 | 0.00840 |
| 74.25 | 53.03 | 0.00798 | 75.66 | 51.62 | 0.00759 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 ***

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound
 ** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 77.78 | 49.50 | 0.00707 | 81.32 | 45.96 | 0.00631 |
| 84.85 | 42.43 | 0.00566 | 91.92 | 35.36 | 0.00458 |
| 98.99 | 28.28 | 0.00374 | 106.07 | 21.21 | 0.00308 |
| 113.14 | 14.14 | 0.00255 | 120.21 | 7.07 | 0.00214 |
| 127.28 | 0.00 | 0.00181 | 134.35 | -7.07 | 0.00154 |
| 0.00 | 141.42 | 0.00328 | 7.07 | 134.35 | 0.00367 |
| 14.14 | 127.28 | 0.00414 | 21.21 | 120.21 | 0.00471 |
| 28.28 | 113.14 | 0.00541 | 35.36 | 106.07 | 0.00628 |
| 42.43 | 98.99 | 0.00736 | 49.50 | 91.92 | 0.00869 |
| 53.03 | 88.39 | 0.00945 | 56.57 | 84.85 | 0.01030 |
| 58.69 | 82.73 | 0.01085 | 60.10 | 81.32 | 0.01124 |
| 61.52 | 79.90 | 0.01165 | 62.93 | 78.49 | 0.01208 |
| 64.35 | 77.07 | 0.01257 | 77.07 | 64.35 | 0.00933 |
| 78.49 | 62.93 | 0.00876 | 79.90 | 61.52 | 0.00829 |
| 81.32 | 60.10 | 0.00786 | 82.73 | 58.69 | 0.00748 |
| 84.85 | 56.57 | 0.00696 | 88.39 | 53.03 | 0.00619 |
| 91.92 | 49.50 | 0.00554 | 98.99 | 42.43 | 0.00446 |
| 106.07 | 35.36 | 0.00362 | 113.14 | 28.28 | 0.00296 |
| 120.21 | 21.21 | 0.00245 | 127.28 | 14.14 | 0.00205 |
| 134.35 | 7.07 | 0.00173 | 141.42 | 0.00 | 0.00147 |
| 7.07 | 148.49 | 0.00324 | 14.14 | 141.42 | 0.00363 |
| 21.21 | 134.35 | 0.00409 | 28.28 | 127.28 | 0.00465 |
| 35.36 | 120.21 | 0.00533 | 42.43 | 113.14 | 0.00619 |
| 49.50 | 106.07 | 0.00725 | 56.57 | 98.99 | 0.00857 |
| 60.10 | 95.46 | 0.00933 | 63.64 | 91.92 | 0.01018 |
| 65.76 | 89.80 | 0.01073 | 67.18 | 88.39 | 0.01112 |
| 68.59 | 86.97 | 0.01152 | 70.00 | 85.56 | 0.01195 |
| 71.42 | 84.15 | 0.01244 | 84.15 | 71.42 | 0.00920 |
| 85.56 | 70.00 | 0.00863 | 86.97 | 68.59 | 0.00815 |
| 88.39 | 67.18 | 0.00773 | 89.80 | 65.76 | 0.00734 |
| 91.92 | 63.64 | 0.00682 | 95.46 | 60.10 | 0.00605 |
| 98.99 | 56.57 | 0.00540 | 106.07 | 49.50 | 0.00432 |
| 113.14 | 42.43 | 0.00349 | 120.21 | 35.36 | 0.00284 |
| 127.28 | 28.28 | 0.00234 | 134.35 | 21.21 | 0.00195 |
| 141.42 | 14.14 | 0.00164 | 148.49 | 7.07 | 0.00140 |
| 14.14 | 155.56 | 0.00321 | 21.21 | 148.49 | 0.00358 |
| 28.28 | 141.42 | 0.00403 | 35.36 | 134.35 | 0.00458 |
| 42.43 | 127.28 | 0.00525 | 49.50 | 120.21 | 0.00608 |
| 56.57 | 113.14 | 0.00713 | 63.64 | 106.07 | 0.00843 |
| 67.18 | 102.53 | 0.00920 | 70.71 | 98.99 | 0.01004 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 72.83 | 96.87 | 0.01059 | 74.25 | 95.46 | 0.01097 |
| 75.66 | 94.05 | 0.01138 | 77.07 | 92.63 | 0.01181 |
| 78.49 | 91.22 | 0.01229 | 91.22 | 78.49 | 0.00905 |
| 92.63 | 77.07 | 0.00848 | 94.05 | 75.66 | 0.00799 |
| 95.46 | 74.25 | 0.00757 | 96.87 | 72.83 | 0.00718 |
| 98.99 | 70.71 | 0.00666 | 102.53 | 67.18 | 0.00590 |
| 106.07 | 63.64 | 0.00524 | 113.14 | 56.57 | 0.00416 |
| 120.21 | 49.50 | 0.00334 | 127.28 | 42.43 | 0.00270 |
| 134.35 | 35.36 | 0.00222 | 141.42 | 28.28 | 0.00185 |
| 148.49 | 21.21 | 0.00155 | 155.56 | 14.14 | 0.00132 |
| 21.21 | 162.63 | 0.00317 | 28.28 | 155.56 | 0.00353 |
| 35.36 | 148.49 | 0.00397 | 42.43 | 141.42 | 0.00450 |
| 49.50 | 134.35 | 0.00516 | 56.57 | 127.28 | 0.00597 |
| 63.64 | 120.21 | 0.00699 | 70.71 | 113.14 | 0.00827 |
| 74.25 | 109.60 | 0.00904 | 77.78 | 106.07 | 0.00987 |
| 79.90 | 103.94 | 0.01041 | 81.32 | 102.53 | 0.01079 |
| 82.73 | 101.12 | 0.01120 | 84.15 | 99.70 | 0.01165 |
| 85.56 | 98.29 | 0.01215 | 98.29 | 85.56 | 0.00887 |
| 99.70 | 84.15 | 0.00829 | 101.12 | 82.73 | 0.00780 |
| 102.53 | 81.32 | 0.00738 | 103.94 | 79.90 | 0.00700 |
| 106.07 | 77.78 | 0.00647 | 109.60 | 74.25 | 0.00571 |
| 113.14 | 70.71 | 0.00505 | 120.21 | 63.64 | 0.00398 |
| 127.28 | 56.57 | 0.00317 | 134.35 | 49.50 | 0.00256 |
| 141.42 | 42.43 | 0.00209 | 148.49 | 35.36 | 0.00174 |
| 155.56 | 28.28 | 0.00146 | 162.63 | 21.21 | 0.00125 |
| 28.28 | 169.71 | 0.00314 | 35.36 | 162.63 | 0.00349 |
| 42.43 | 155.56 | 0.00391 | 49.50 | 148.49 | 0.00442 |
| 56.57 | 141.42 | 0.00506 | 63.64 | 134.35 | 0.00585 |
| 70.71 | 127.28 | 0.00684 | 77.78 | 120.21 | 0.00810 |
| 81.32 | 116.67 | 0.00885 | 84.85 | 113.14 | 0.00968 |
| 86.97 | 111.02 | 0.01022 | 88.39 | 109.60 | 0.01059 |
| 89.80 | 108.19 | 0.01100 | 91.22 | 106.77 | 0.01144 |
| 92.63 | 105.36 | 0.01194 | 105.36 | 92.63 | 0.00865 |
| 106.77 | 91.22 | 0.00808 | 108.19 | 89.80 | 0.00759 |
| 109.60 | 88.39 | 0.00716 | 111.02 | 86.97 | 0.00677 |
| 113.14 | 84.85 | 0.00625 | 116.67 | 81.32 | 0.00548 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|-------|---------|--------|-------|---------|
| 120.21 | 77.78 | 0.00482 | 127.28 | 70.71 | 0.00376 |
| 134.35 | 63.64 | 0.00298 | 141.42 | 56.57 | 0.00239 |
| 148.49 | 49.50 | 0.00195 | 155.56 | 42.43 | 0.00162 |
| 162.63 | 35.36 | 0.00137 | 169.71 | 28.28 | 0.00117 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 35.36 | 176.78 | 0.00310 | 42.43 | 169.71 | 0.00344 |
| 49.50 | 162.63 | 0.00385 | 56.57 | 155.56 | 0.00434 |
| 63.64 | 148.49 | 0.00495 | 70.71 | 141.42 | 0.00572 |
| 77.78 | 134.35 | 0.00668 | 84.85 | 127.28 | 0.00790 |
| 88.39 | 123.74 | 0.00863 | 91.92 | 120.21 | 0.00944 |
| 94.05 | 118.09 | 0.00998 | 95.46 | 116.67 | 0.01036 |
| 96.87 | 115.26 | 0.01075 | 98.29 | 113.84 | 0.01119 |
| 99.70 | 112.43 | 0.01168 | 112.43 | 99.70 | 0.00837 |
| 113.84 | 98.29 | 0.00781 | 115.26 | 96.87 | 0.00732 |
| 116.67 | 95.46 | 0.00690 | 118.09 | 94.05 | 0.00651 |
| 120.21 | 91.92 | 0.00598 | 123.74 | 88.39 | 0.00521 |
| 127.28 | 84.85 | 0.00456 | 134.35 | 77.78 | 0.00352 |
| 141.42 | 70.71 | 0.00277 | 148.49 | 63.64 | 0.00222 |
| 155.56 | 56.57 | 0.00181 | 162.63 | 49.50 | 0.00151 |
| 169.71 | 42.43 | 0.00128 | 176.78 | 35.36 | 0.00110 |
| 42.43 | 183.85 | 0.00307 | 49.50 | 176.78 | 0.00340 |
| 56.57 | 169.71 | 0.00379 | 63.64 | 162.63 | 0.00426 |
| 70.71 | 155.56 | 0.00484 | 77.78 | 148.49 | 0.00558 |
| 84.85 | 141.42 | 0.00650 | 91.92 | 134.35 | 0.00767 |
| 95.46 | 130.81 | 0.00837 | 98.99 | 127.28 | 0.00917 |
| 101.12 | 125.16 | 0.00970 | 102.53 | 123.74 | 0.01007 |
| 103.94 | 122.33 | 0.01046 | 105.36 | 120.92 | 0.01088 |
| 106.77 | 119.50 | 0.01137 | 119.50 | 106.77 | 0.00805 |
| 120.92 | 105.36 | 0.00748 | 122.33 | 103.94 | 0.00700 |
| 123.74 | 102.53 | 0.00657 | 125.16 | 101.12 | 0.00618 |
| 127.28 | 98.99 | 0.00565 | 130.81 | 95.46 | 0.00489 |
| 134.35 | 91.92 | 0.00424 | 141.42 | 84.85 | 0.00325 |
| 148.49 | 77.78 | 0.00254 | 155.56 | 70.71 | 0.00204 |
| 162.63 | 63.64 | 0.00167 | 169.71 | 56.57 | 0.00140 |
| 176.78 | 49.50 | 0.00119 | 183.85 | 42.43 | 0.00103 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 49.50 | 190.92 | 0.00303 | 56.57 | 183.85 | 0.00335 |
| 63.64 | 176.78 | 0.00373 | 70.71 | 169.71 | 0.00419 |
| 77.78 | 162.63 | 0.00474 | 84.85 | 155.56 | 0.00543 |
| 91.92 | 148.49 | 0.00630 | 98.99 | 141.42 | 0.00741 |
| 102.53 | 137.89 | 0.00808 | 106.07 | 134.35 | 0.00885 |
| 108.19 | 132.23 | 0.00936 | 109.60 | 130.81 | 0.00973 |
| 111.02 | 129.40 | 0.01011 | 112.43 | 127.99 | 0.01053 |
| 113.84 | 126.57 | 0.01101 | 126.57 | 113.84 | 0.00766 |
| 127.99 | 112.43 | 0.00709 | 129.40 | 111.02 | 0.00661 |
| 130.81 | 109.60 | 0.00617 | 132.23 | 108.19 | 0.00578 |

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

*** Maximum train overlap at NE/SW Bound Direction ***

18:13:13

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 134.35 | 106.07 | 0.00525 | 137.89 | 102.53 | 0.00450 |
| 141.42 | 98.99 | 0.00388 | 148.49 | 91.92 | 0.00294 |
| 155.56 | 84.85 | 0.00230 | 162.63 | 77.78 | 0.00186 |
| 169.71 | 70.71 | 0.00153 | 176.78 | 63.64 | 0.00129 |
| 183.85 | 56.57 | 0.00111 | 190.92 | 49.50 | 0.00096 |
| 56.57 | 197.99 | 0.00300 | 63.64 | 190.92 | 0.00331 |
| 70.71 | 183.85 | 0.00368 | 77.78 | 176.78 | 0.00412 |
| 84.85 | 169.71 | 0.00465 | 91.92 | 162.63 | 0.00530 |
| 98.99 | 155.56 | 0.00611 | 106.07 | 148.49 | 0.00714 |
| 109.60 | 144.96 | 0.00776 | 113.14 | 141.42 | 0.00848 |
| 115.26 | 139.30 | 0.00896 | 116.67 | 137.89 | 0.00932 |
| 118.09 | 136.47 | 0.00969 | 119.50 | 135.06 | 0.01010 |
| 120.92 | 133.64 | 0.01057 | 133.64 | 120.92 | 0.00718 |
| 135.06 | 119.50 | 0.00661 | 136.47 | 118.09 | 0.00612 |
| 137.89 | 116.67 | 0.00568 | 139.30 | 115.26 | 0.00529 |
| 141.42 | 113.14 | 0.00477 | 144.96 | 109.60 | 0.00404 |
| 148.49 | 106.07 | 0.00346 | 155.56 | 98.99 | 0.00262 |
| 162.63 | 91.92 | 0.00207 | 169.71 | 84.85 | 0.00168 |
| 176.78 | 77.78 | 0.00140 | 183.85 | 70.71 | 0.00119 |
| 190.92 | 63.64 | 0.00102 | 197.99 | 56.57 | 0.00089 |
| 63.64 | 205.06 | 0.00296 | 70.71 | 197.99 | 0.00326 |
| 77.78 | 190.92 | 0.00362 | 84.85 | 183.85 | 0.00405 |
| 91.92 | 176.78 | 0.00456 | 98.99 | 169.71 | 0.00518 |
| 106.07 | 162.63 | 0.00593 | 113.14 | 155.56 | 0.00686 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 116.67 | 152.03 | 0.00743 | 120.21 | 148.49 | 0.00808 |
| 122.33 | 146.37 | 0.00852 | 123.74 | 144.96 | 0.00885 |
| 125.16 | 143.54 | 0.00921 | 126.57 | 142.13 | 0.00959 |
| 127.99 | 140.71 | 0.01004 | 140.71 | 127.99 | 0.00659 |
| 142.13 | 126.57 | 0.00600 | 143.54 | 125.16 | 0.00551 |
| 144.96 | 123.74 | 0.00507 | 146.37 | 122.33 | 0.00469 |
| 148.49 | 120.21 | 0.00419 | 152.03 | 116.67 | 0.00353 |
| 155.56 | 113.14 | 0.00301 | 162.63 | 106.07 | 0.00231 |
| 169.71 | 98.99 | 0.00185 | 176.78 | 91.92 | 0.00152 |
| 183.85 | 84.85 | 0.00128 | 190.92 | 77.78 | 0.00109 |
| 197.99 | 70.71 | 0.00095 | 205.06 | 63.64 | 0.00083 |
| 70.71 | 212.13 | 0.00292 | 77.78 | 205.06 | 0.00321 |
| 84.85 | 197.99 | 0.00356 | 91.92 | 190.92 | 0.00397 |
| 98.99 | 183.85 | 0.00447 | 106.07 | 176.78 | 0.00506 |
| 113.14 | 169.71 | 0.00577 | 120.21 | 162.63 | 0.00661 |
| 123.74 | 159.10 | 0.00710 | 127.28 | 155.56 | 0.00768 |

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

*** Maximum train overlap at NE/SW 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 | 0.00806 | 130.81 | 152.03 | 0.00834 |
| 132.23 | 150.61 | 0.00865 | 133.64 | 149.20 | 0.00900 |
| 135.06 | 147.79 | 0.00941 | 147.79 | 135.06 | 0.00582 |
| 149.20 | 133.64 | 0.00524 | 150.61 | 132.23 | 0.00475 |
| 152.03 | 130.81 | 0.00434 | 153.44 | 129.40 | 0.00399 |
| 155.56 | 127.28 | 0.00355 | 159.10 | 123.74 | 0.00299 |
| 162.63 | 120.21 | 0.00258 | 169.71 | 113.14 | 0.00202 |
| 176.78 | 106.07 | 0.00164 | 183.85 | 98.99 | 0.00137 |
| 190.92 | 91.92 | 0.00116 | 197.99 | 84.85 | 0.00100 |
| 205.06 | 77.78 | 0.00088 | 212.13 | 70.71 | 0.00077 |
| 77.78 | 219.20 | 0.00287 | 84.85 | 212.13 | 0.00316 |
| 91.92 | 205.06 | 0.00350 | 98.99 | 197.99 | 0.00390 |
| 106.07 | 190.92 | 0.00437 | 113.14 | 183.85 | 0.00494 |
| 120.21 | 176.78 | 0.00561 | 127.28 | 169.71 | 0.00640 |
| 130.81 | 166.17 | 0.00684 | 134.35 | 162.63 | 0.00733 |
| 136.47 | 160.51 | 0.00763 | 137.89 | 159.10 | 0.00785 |
| 139.30 | 157.68 | 0.00809 | 140.71 | 156.27 | 0.00837 |
| 142.13 | 154.86 | 0.00871 | 154.86 | 142.13 | 0.00486 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 156.27 | 140.71 | 0.00431 | 157.68 | 139.30 | 0.00389 |
| 159.10 | 137.89 | 0.00355 | 160.51 | 136.47 | 0.00328 |
| 162.63 | 134.35 | 0.00294 | 166.17 | 130.81 | 0.00253 |
| 169.71 | 127.28 | 0.00222 | 176.78 | 120.21 | 0.00177 |
| 183.85 | 113.14 | 0.00147 | 190.92 | 106.07 | 0.00124 |
| 197.99 | 98.99 | 0.00107 | 205.06 | 91.92 | 0.00093 |
| 212.13 | 84.85 | 0.00082 | 219.20 | 77.78 | 0.00072 |
| 84.85 | 226.27 | 0.00282 | 91.92 | 219.20 | 0.00310 |
| 98.99 | 212.13 | 0.00342 | 106.07 | 205.06 | 0.00381 |
| 113.14 | 197.99 | 0.00426 | 120.21 | 190.92 | 0.00481 |
| 127.28 | 183.85 | 0.00545 | 134.35 | 176.78 | 0.00620 |
| 137.89 | 173.24 | 0.00661 | 141.42 | 169.71 | 0.00704 |
| 143.54 | 167.58 | 0.00730 | 144.96 | 166.17 | 0.00748 |
| 146.37 | 164.76 | 0.00765 | 147.79 | 163.34 | 0.00784 |
| 149.20 | 161.93 | 0.00805 | 161.93 | 149.20 | 0.00379 |
| 163.34 | 147.79 | 0.00342 | 164.76 | 146.37 | 0.00314 |
| 166.17 | 144.96 | 0.00292 | 167.58 | 143.54 | 0.00273 |
| 169.71 | 141.42 | 0.00249 | 173.24 | 137.89 | 0.00218 |
| 176.78 | 134.35 | 0.00194 | 183.85 | 127.28 | 0.00159 |
| 190.92 | 120.21 | 0.00133 | 197.99 | 113.14 | 0.00114 |
| 205.06 | 106.07 | 0.00099 | 212.13 | 98.99 | 0.00086 |
| 219.20 | 91.92 | 0.00077 | 226.27 | 84.85 | 0.00068 |

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 NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 91.92 | 233.35 | 0.00276 | 98.99 | 226.27 | 0.00303 |
| 106.07 | 219.20 | 0.00333 | 113.14 | 212.13 | 0.00370 |
| 120.21 | 205.06 | 0.00413 | 127.28 | 197.99 | 0.00463 |
| 134.35 | 190.92 | 0.00523 | 141.42 | 183.85 | 0.00590 |
| 144.96 | 180.31 | 0.00626 | 148.49 | 176.78 | 0.00660 |
| 150.61 | 174.66 | 0.00679 | 152.03 | 173.24 | 0.00689 |
| 153.44 | 171.83 | 0.00696 | 154.86 | 170.41 | 0.00698 |
| 156.27 | 169.00 | 0.00690 | 169.00 | 156.27 | 0.00324 |
| 170.41 | 154.86 | 0.00298 | 171.83 | 153.44 | 0.00277 |
| 173.24 | 152.03 | 0.00259 | 174.66 | 150.61 | 0.00243 |
| 176.78 | 148.49 | 0.00224 | 180.31 | 144.96 | 0.00197 |
| 183.85 | 141.42 | 0.00176 | 190.92 | 134.35 | 0.00145 |

14NCRA_NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 197.99 | 127.28 | 0.00123 | 205.06 | 120.21 | 0.00106 |
| 212.13 | 113.14 | 0.00092 | 219.20 | 106.07 | 0.00081 |
| 226.27 | 98.99 | 0.00072 | 233.35 | 91.92 | 0.00065 |
| 98.99 | 240.42 | 0.00269 | 106.07 | 233.35 | 0.00294 |
| 113.14 | 226.27 | 0.00322 | 120.21 | 219.20 | 0.00356 |
| 127.28 | 212.13 | 0.00394 | 134.35 | 205.06 | 0.00438 |
| 141.42 | 197.99 | 0.00484 | 148.49 | 190.92 | 0.00523 |
| 152.03 | 187.38 | 0.00533 | 155.56 | 183.85 | 0.00528 |
| 157.68 | 181.73 | 0.00517 | 159.10 | 180.31 | 0.00507 |
| 160.51 | 178.90 | 0.00495 | 161.93 | 177.48 | 0.00481 |
| 163.34 | 176.07 | 0.00465 | 176.07 | 163.34 | 0.00281 |
| 177.48 | 161.93 | 0.00264 | 178.90 | 160.51 | 0.00249 |
| 180.31 | 159.10 | 0.00234 | 181.73 | 157.68 | 0.00221 |
| 183.85 | 155.56 | 0.00204 | 187.38 | 152.03 | 0.00180 |
| 190.92 | 148.49 | 0.00162 | 197.99 | 141.42 | 0.00134 |
| 205.06 | 134.35 | 0.00114 | 212.13 | 127.28 | 0.00098 |
| 219.20 | 120.21 | 0.00086 | 226.27 | 113.14 | 0.00076 |
| 233.35 | 106.07 | 0.00068 | 240.42 | 98.99 | 0.00061 |
| 106.07 | 247.49 | 0.00260 | 113.14 | 240.42 | 0.00283 |
| 120.21 | 233.35 | 0.00308 | 127.28 | 226.27 | 0.00336 |
| 134.35 | 219.20 | 0.00367 | 141.42 | 212.13 | 0.00396 |
| 148.49 | 205.06 | 0.00417 | 155.56 | 197.99 | 0.00417 |
| 159.10 | 194.45 | 0.00407 | 162.63 | 190.92 | 0.00393 |
| 164.76 | 188.80 | 0.00382 | 166.17 | 187.38 | 0.00373 |
| 167.58 | 185.97 | 0.00364 | 169.00 | 184.55 | 0.00355 |
| 170.41 | 183.14 | 0.00345 | 183.14 | 170.41 | 0.00237 |
| 184.55 | 169.00 | 0.00226 | 185.97 | 167.58 | 0.00216 |
| 187.38 | 166.17 | 0.00206 | 188.80 | 164.76 | 0.00197 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 190.92 | 162.63 | 0.00184 | 194.45 | 159.10 | 0.00166 |
| 197.99 | 155.56 | 0.00149 | 205.06 | 148.49 | 0.00124 |
| 212.13 | 141.42 | 0.00106 | 219.20 | 134.35 | 0.00092 |
| 226.27 | 127.28 | 0.00081 | 233.35 | 120.21 | 0.00072 |
| 240.42 | 113.14 | 0.00064 | 247.49 | 106.07 | 0.00058 |

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

04/20/08

*** Maximum train overlap at NE/SW Bound Direction

18:13:13

**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 0.00840 AT (120.92, | 133.64, | 0.00, | 1.20) DC NA |
| | 2ND HIGHEST VALUE IS 0.00835 AT (113.84, | 126.57, | 0.00, | 1.20) DC NA |
| | 3RD HIGHEST VALUE IS 0.00822 AT (127.99, | 140.71, | 0.00, | 1.20) DC NA |
| | 4TH HIGHEST VALUE IS 0.00799 AT (106.77, | 119.50, | 0.00, | 1.20) DC NA |
| | 5TH HIGHEST VALUE IS 0.00789 AT (119.50, | 135.06, | 0.00, | 1.20) DC NA |
| | 6TH HIGHEST VALUE IS 0.00786 AT (135.06, | 147.79, | 0.00, | 1.20) DC NA |
| | 7TH HIGHEST VALUE IS 0.00781 AT (112.43, | 127.99, | 0.00, | 1.20) DC NA |
| | 8TH HIGHEST VALUE IS 0.00774 AT (126.57, | 142.13, | 0.00, | 1.20) DC NA |
| | 9TH HIGHEST VALUE IS 0.00744 AT (118.09, | 136.47, | 0.00, | 1.20) DC NA |
| | 10TH HIGHEST VALUE IS 0.00742 AT (133.64, | 149.20, | 0.00, | 1.20) DC NA |
| NCRA_S2 | 1ST HIGHEST VALUE IS 0.00840 AT (57.28, | 70.00, | 0.00, | 1.20) DC NA |
| | 2ND HIGHEST VALUE IS 0.00835 AT (50.20, | 62.93, | 0.00, | 1.20) DC NA |
| | 3RD HIGHEST VALUE IS 0.00822 AT (64.35, | 77.07, | 0.00, | 1.20) DC NA |
| | 4TH HIGHEST VALUE IS 0.00799 AT (43.13, | 55.86, | 0.00, | 1.20) DC NA |
| | 5TH HIGHEST VALUE IS 0.00789 AT (55.86, | 71.42, | 0.00, | 1.20) DC NA |
| | 6TH HIGHEST VALUE IS 0.00786 AT (71.42, | 84.15, | 0.00, | 1.20) DC NA |
| | 7TH HIGHEST VALUE IS 0.00781 AT (48.79, | 64.35, | 0.00, | 1.20) DC NA |
| | 8TH HIGHEST VALUE IS 0.00774 AT (62.93, | 78.49, | 0.00, | 1.20) DC NA |
| | 9TH HIGHEST VALUE IS 0.00744 AT (54.45, | 72.83, | 0.00, | 1.20) DC NA |
| | 10TH HIGHEST VALUE IS 0.00742 AT (70.00, | 85.56, | 0.00, | 1.20) DC NA |
| NCRA_S3 | 1ST HIGHEST VALUE IS 0.00840 AT (-6.36, | 6.36, | 0.00, | 1.20) DC NA |
| | 2ND HIGHEST VALUE IS 0.00835 AT (-13.44, | -0.71, | 0.00, | 1.20) DC NA |
| | 3RD HIGHEST VALUE IS 0.00822 AT (0.71, | 13.44, | 0.00, | 1.20) DC NA |
| | 4TH HIGHEST VALUE IS 0.00799 AT (-20.51, | -7.78, | 0.00, | 1.20) DC NA |
| | 5TH HIGHEST VALUE IS 0.00789 AT (-7.78, | 7.78, | 0.00, | 1.20) DC NA |
| | 6TH HIGHEST VALUE IS 0.00786 AT (7.78, | 20.51, | 0.00, | 1.20) DC NA |
| | 7TH HIGHEST VALUE IS 0.00781 AT (-14.85, | 0.71, | 0.00, | 1.20) DC NA |
| | 8TH HIGHEST VALUE IS 0.00774 AT (-0.71, | 14.85, | 0.00, | 1.20) DC NA |
| | 9TH HIGHEST VALUE IS 0.00744 AT (-9.19, | 9.19, | 0.00, | 1.20) DC NA |
| | 10TH HIGHEST VALUE IS 0.00742 AT (6.36, | 21.92, | 0.00, | 1.20) DC NA |

1 *** ISCST3 - VERSION 02035 ***

*** NCRA Cumulative DPM Impacts

04/20/08

*** Maximum train overlap at NE/SW 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 0.00840 AT (-70.00, | -57.28, | 0.00, | 1.20) DC NA |
| | 2ND HIGHEST VALUE IS 0.00835 AT (-77.07, | -64.35, | 0.00, | 1.20) DC NA |
| | 3RD HIGHEST VALUE IS 0.00822 AT (-62.93, | -50.20, | 0.00, | 1.20) DC NA |
| | 4TH HIGHEST VALUE IS 0.00799 AT (-84.15, | -71.42, | 0.00, | 1.20) DC NA |
| | 5TH HIGHEST VALUE IS 0.00789 AT (-71.42, | -55.86, | 0.00, | 1.20) DC NA |
| | 6TH HIGHEST VALUE IS 0.00786 AT (-55.86, | -43.13, | 0.00, | 1.20) DC NA |
| | 7TH HIGHEST VALUE IS 0.00781 AT (-78.49, | -62.93, | 0.00, | 1.20) DC NA |
| | 8TH HIGHEST VALUE IS 0.00774 AT (-64.35, | -48.79, | 0.00, | 1.20) DC NA |
| | 9TH HIGHEST VALUE IS 0.00744 AT (-72.83, | -54.45, | 0.00, | 1.20) DC NA |
| | 10TH HIGHEST VALUE IS 0.00742 AT (-57.28, | -41.72, | 0.00, | 1.20) DC NA |
| NCRA_S5 | 1ST HIGHEST VALUE IS 0.00840 AT (-133.64, | -120.92, | 0.00, | 1.20) DC NA |
| | 2ND HIGHEST VALUE IS 0.00835 AT (-140.71, | -127.99, | 0.00, | 1.20) DC NA |
| | 3RD HIGHEST VALUE IS 0.00822 AT (-126.57, | -113.84, | 0.00, | 1.20) DC NA |
| | 4TH HIGHEST VALUE IS 0.00799 AT (-147.79, | -135.06, | 0.00, | 1.20) DC NA |
| | 5TH HIGHEST VALUE IS 0.00789 AT (-135.06, | -119.50, | 0.00, | 1.20) DC NA |
| | 6TH HIGHEST VALUE IS 0.00786 AT (-119.50, | -106.77, | 0.00, | 1.20) DC NA |
| | 7TH HIGHEST VALUE IS 0.00781 AT (-142.13, | -126.57, | 0.00, | 1.20) DC NA |
| | 8TH HIGHEST VALUE IS 0.00774 AT (-127.99, | -112.43, | 0.00, | 1.20) DC NA |

14NCRA NAPA00-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | | |
|-----|-----------------------|--------------|----------|----------|-------|-------|----|----|
| | 9TH HIGHEST VALUE IS | 0.00744 AT (| -136.47, | -118.09, | 0.00, | 1.20) | DC | NA |
| | 10TH HIGHEST VALUE IS | 0.00742 AT (| -120.92, | -105.36, | 0.00, | 1.20) | DC | NA |
| ALL | 1ST HIGHEST VALUE IS | 0.01325 AT (| -41.72, | -28.99, | 0.00, | 1.20) | DC | NA |
| | 2ND HIGHEST VALUE IS | 0.01325 AT (| -34.65, | -21.92, | 0.00, | 1.20) | DC | NA |
| | 3RD HIGHEST VALUE IS | 0.01324 AT (| -27.58, | -14.85, | 0.00, | 1.20) | DC | NA |
| | 4TH HIGHEST VALUE IS | 0.01322 AT (| -20.51, | -7.78, | 0.00, | 1.20) | DC | NA |
| | 5TH HIGHEST VALUE IS | 0.01321 AT (| -48.79, | -36.06, | 0.00, | 1.20) | DC | NA |
| | 6TH HIGHEST VALUE IS | 0.01320 AT (| -13.44, | -0.71, | 0.00, | 1.20) | DC | NA |
| | 7TH HIGHEST VALUE IS | 0.01318 AT (| -55.86, | -43.13, | 0.00, | 1.20) | DC | NA |
| | 8TH HIGHEST VALUE IS | 0.01318 AT (| -6.36, | 6.36, | 0.00, | 1.20) | DC | NA |
| | 9TH HIGHEST VALUE IS | 0.01316 AT (| -62.93, | -50.20, | 0.00, | 1.20) | DC | NA |
| | 10TH HIGHEST VALUE IS | 0.01315 AT (| 0.71, | 13.44, | 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 NE/SW Bound Direction ***

18:13:13

**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 7 Informational Message(s)
 A Total of 7 Calm Hours Identified

***** FATAL ERROR MESSAGES *****
 *** NONE ***

***** WARNING MESSAGES *****
 *** NONE ***

 *** ISCST3 Finishes Successfully ***
