

**Appendix C - Sample of Output File of the FDM Model Run**

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FUGITIVE DUST MODEL (FDM)  
 VERSION 93070  
 MAR, 1993  
 DATE AT START OF RUN: 01/14/05    TIME AT START OF RUN: 17:12:31.23

RUN TITLE:  
 Tsuen Wan Drainage Tunnel - Unmitigated

INPUT FILE NAME: twd\_d.in  
 OUTPUT FILE NAME: twd\_d.out

|  |        |
|--|--------|
| CONVERGENCE OPTION 1=OFF, 2=ON                 | 1      |
| MET OPTION SWITCH, 1=CARDS, 2=PREPROCESSED     | 1      |
| PLOT FILE OUTPUT, 1=NO, 2=YES                  | 1      |
| MET DATA PRINT SWITCH, 1=NO, 2=YES             | 1      |
| POST-PROCESSOR OUTPUT, 1=NO, 2=YES             | 1      |
| DEP. VEL./GRAV. SETTL. VEL., 1=DEFAULT, 2=USER | 1      |
| PRINT 1-HOUR AVERAGE CONCEN, 1=NO, 2=YES       | 3      |
| PRINT 3-HOUR AVERAGE CONCEN, 1=NO, 2=YES       | 1      |
| PRINT 8-HOUR AVERAGE CONCEN, 1=NO, 2=YES       | 1      |
| PRINT 24-HOUR AVERAGE CONCEN, 1=NO, 2=YES      | 3      |
| PRINT LONG-TERM AVERAGE CONCEN, 1=NO, 2=YES    | 2      |
| BYPASS RAMMET CALMS RECOGNITION, 1=NO, 2=YES   | 2      |
| READ HOURLY EMISSION RATES, 1=NO, 2=YES        | 0      |
| NUMBER OF SOURCES PROCESSED                    | 6      |
| NUMBER OF RECEPTORS PROCESSED                  | 9      |
| NUMBER OF PARTICLE SIZE CLASSES                | 9      |
| NUMBER OF HOURS OF MET DATA PROCESSED          | 8760   |
| LENGTH IN MINUTES OF 1-HOUR OF MET DATA        | 60.    |
| ROUGHNESS LENGTH IN CM                         | 100.00 |
| SCALING FACTOR FOR SOURCE AND RECPTORS         | 1.0000 |
| PARTICLE DENSITY IN G/CM**3                    | 2.50   |
| ANEMOMETER HEIGHT IN M                         | 136.00 |

GENERAL PARTICLE SIZE CLASS INFORMATION

| PARTICLE<br>SIZE<br>CLASS | CHAR.<br>DIA.<br>(UM) | GRAV.<br>SETTLING<br>VELOCITY<br>(M/SEC) | DEPOSITION<br>VELOCITY<br>(M/SEC) | FRACTION<br>IN EACH<br>SIZE<br>CLASS |
|---------------------------|-----------------------|--|-----------------------------------|--------------------------------------|
| 1                         | 0.5000000             | **                                       | **                                | 0.0400                               |
| 2                         | 1.5000000             | **                                       | **                                | 0.0700                               |
| 3                         | 2.2500000             | **                                       | **                                | 0.0400                               |
| 4                         | 2.7500000             | **                                       | **                                | 0.0300                               |
| 5                         | 3.5000000             | **                                       | **                                | 0.0700                               |
| 6                         | 4.5000000             | **                                       | **                                | 0.0500                               |
| 7                         | 5.5000000             | **                                       | **                                | 0.0400                               |
| 8                         | 8.0000000             | **                                       | **                                | 0.1700                               |
| 9                         | 20.0000000            | **                                       | **                                | 0.4900                               |

\*\*\*\*\*  
 \*\* COMPUTED BY FDM

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RECEPTOR COORDINATES (X,Y,Z)

|                        |                        |                        |
|------------------------|------------------------|------------------------|
| (832019., 826834., 2.) | (832090., 826752., 2.) | (830803., 826920., 2.) |
| (830780., 827012., 2.) | (830829., 827028., 2.) | (828936., 827044., 2.) |
| (829250., 827096., 2.) | (827754., 825419., 2.) | (827933., 825520., 2.) |

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SOURCE INFORMATION

| Y2      | HEIGHT | WIDTH  | ENTERED EMIS.<br>RATE (G/SEC,<br>G/SEC/M OR<br>G/SEC/M**2) | TOTAL<br>EMISSION<br>RATE<br>(G/SEC) | WIND<br>SPEED<br>FAC. | X1<br>(M) | Y1<br>(M) | X2<br>(M) |
|---------|--------|--------|--|--------------------------------------|-----------------------|-----------|-----------|-----------|
| 32.     | 0.50   | 48.60  | 0.000290000  | 0.12949                              | 0.000                 | 832090.   | 826856.   | 14.       |
| 12.     | 0.50   | -28.00 | 0.000290000  | 0.06677                              | 0.000                 | 830803.   | 826944.   | 20.       |
| 827015. | 0.50   | 3.50   | 0.001020000  | 0.25103                              | 0.000                 | 828930.   | 827175.   | 829117.   |
| 827055. | 0.50   | 3.50   | 0.001020000  | 0.11241                              | 0.000                 | 828935.   | 827120.   | 829024.   |
| 36.     | 0.50   | 5.31   | 0.000290000  | 0.44717                              | 0.000                 | 827838.   | 825466.   | 43.       |
| 22.     | 0.50   | 0.00   | 0.000290000  | 0.12760                              | 0.000                 | 827890.   | 825581.   | 20.       |

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TOTAL EMISSIONS 0.11345E+01 GRAMS/SEC

SHORT DISTANCE (5,000 M) MASS CONSERVATION CORRECTION FACTORS USED

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8760 HOUR AVERAGE FOR HOUR ENDING 8760  
 CONCENTRATIONS IN MICROGRAMS/M\*\*3  
 AVERAGE EMISSIONS FOR THIS PERIOD = 0.11345E+01

GRAMS/SEC  
 (832019., 826834., 22.327) (832090., 826752., 5.022) (830803.,  
 826920., 34.262)  
 (830780., 827012., 11.426) (830829., 827028., 7.882) (828936.,  
 827044., 33.826)  
 (829250., 827096., 1.359) (827754., 825419., 55.950) (827933.,  
 825520., 16.905)

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8760 HOUR AVERAGE FOR HOUR ENDING 8760  
 DEPOSITION RATE IN MICROGRAMS/M\*\*2/SEC

(832019., 826834., \*\*\*\*\*) (832090., 826752., \*\*\*\*\*) (830803.,  
 826920., \*\*\*\*\*)  
 (830780., 827012., \*\*\*\*\*) (830829., 827028., \*\*\*\*\*) (828936.,  
 827044., \*\*\*\*\*)  
 (829250., 827096., \*\*\*\*\*) (827754., 825419., \*\*\*\*\*) (827933.,  
 825520., \*\*\*\*\*)

\*\*\*\*\* NOTE: FOR RECEPTORS WITH Z UNEQUAL 0, DEPOSITION IS SET TO 999999.999

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TOP 50 TABLE FOR 1 HOUR AVERAGES

| RANK    | RECEPTOR | X-COORDINATE | Y-COORDINATE | ENDING HOUR | CONCENTRATION |
|---------|----------|--------------|--------------|-------------|---------------|
| 1       | 8        | 827754.0     | 825419.0     | 291         | 1336.5535     |
| 15.6654 |          |              |              |             |               |
| 2       | 8        | 827754.0     | 825419.0     | 8523        | 1336.0354     |
| 15.7162 |          |              |              |             |               |

|         |   |          |          |      |           |
|---------|---|----------|----------|------|-----------|
| 3       | 8 | 827754.0 | 825419.0 | 860  | 1335.5175 |
| 15.7671 |   |          |          |      |           |
| 4       | 8 | 827754.0 | 825419.0 | 1708 | 1334.5776 |
| 15.8594 |   |          |          |      |           |
| 5       | 8 | 827754.0 | 825419.0 | 8168 | 1334.3900 |
| 15.8779 |   |          |          |      |           |
| 6       | 8 | 827754.0 | 825419.0 | 8061 | 1334.2496 |
| 15.8918 |   |          |          |      |           |
| 7       | 8 | 827754.0 | 825419.0 | 8635 | 1333.9688 |
| 15.9194 |   |          |          |      |           |
| 8       | 8 | 827754.0 | 825419.0 | 457  | 1333.8755 |
| 15.9287 |   |          |          |      |           |
| 9       | 8 | 827754.0 | 825419.0 | 1399 | 1333.7821 |
| 15.9379 |   |          |          |      |           |
| 10      | 8 | 827754.0 | 825419.0 | 866  | 1333.5374 |
| 15.6675 |   |          |          |      |           |
| 11      | 8 | 827754.0 | 825419.0 | 7855 | 1333.5020 |
| 15.9655 |   |          |          |      |           |
| 12      | 8 | 827754.0 | 825419.0 | 1781 | 1332.9896 |
| 16.0161 |   |          |          |      |           |
| 13      | 8 | 827754.0 | 825419.0 | 1782 | 1332.9436 |
| 16.0207 |   |          |          |      |           |
| 14      | 8 | 827754.0 | 825419.0 | 7279 | 1332.5725 |
| 16.0574 |   |          |          |      |           |
| 15      | 8 | 827754.0 | 825419.0 | 1802 | 1332.4335 |
| 16.0711 |   |          |          |      |           |
| 16      | 8 | 827754.0 | 825419.0 | 7015 | 1332.3873 |
| 16.0757 |   |          |          |      |           |
| 17      | 8 | 827754.0 | 825419.0 | 7124 | 1331.6040 |
| 16.1534 |   |          |          |      |           |
| 18      | 8 | 827754.0 | 825419.0 | 7442 | 1331.4661 |
| 16.1671 |   |          |          |      |           |
| 19      | 8 | 827754.0 | 825419.0 | 6365 | 1331.2830 |
| 16.1852 |   |          |          |      |           |
| 20      | 8 | 827754.0 | 825419.0 | 3986 | 1330.7809 |
| 16.2351 |   |          |          |      |           |
| 21      | 8 | 827754.0 | 825419.0 | 3985 | 1330.7354 |
| 16.2397 |   |          |          |      |           |
| 22      | 8 | 827754.0 | 825419.0 | 3727 | 1330.5532 |
| 16.2578 |   |          |          |      |           |
| 23      | 8 | 827754.0 | 825419.0 | 3979 | 1330.5532 |
| 16.2578 |   |          |          |      |           |
| 24      | 8 | 827754.0 | 825419.0 | 6242 | 1329.9651 |
| 16.3163 |   |          |          |      |           |
| 25      | 8 | 827754.0 | 825419.0 | 4782 | 1329.8749 |
| 16.3253 |   |          |          |      |           |
| 26      | 8 | 827754.0 | 825419.0 | 6123 | 1287.5275 |
| 16.0755 |   |          |          |      |           |
| 27      | 8 | 827754.0 | 825419.0 | 8384 | 1256.0911 |
| 15.2013 |   |          |          |      |           |
| 28      | 8 | 827754.0 | 825419.0 | 7126 | 1252.0188 |
| 15.6362 |   |          |          |      |           |
| 29      | 8 | 827754.0 | 825419.0 | 3551 | 1251.1559 |
| 15.7290 |   |          |          |      |           |
| 30      | 8 | 827754.0 | 825419.0 | 8637 | 1219.0079 |
| 15.1253 |   |          |          |      |           |
| 31      | 8 | 827754.0 | 825419.0 | 7437 | 1182.5006 |
| 15.2098 |   |          |          |      |           |
| 32      | 9 | 827933.0 | 825520.0 | 7290 | 1124.0665 |
| 13.0927 |   |          |          |      |           |
| 33      | 9 | 827933.0 | 825520.0 | 7026 | 1123.7731 |
| 13.1201 |   |          |          |      |           |
| 34      | 9 | 827933.0 | 825520.0 | 3289 | 1122.6096 |
| 13.2288 |   |          |          |      |           |
| 35      | 9 | 827933.0 | 825520.0 | 4661 | 1122.4858 |
| 13.2403 |   |          |          |      |           |

|         |   |          |          |      |           |
|---------|---|----------|----------|------|-----------|
| 36      | 9 | 827933.0 | 825520.0 | 5809 | 1122.3625 |
| 13.2519 |   |          |          |      |           |
| 37      | 9 | 827933.0 | 825520.0 | 5165 | 1122.2393 |
| 13.2634 |   |          |          |      |           |
| 38      | 3 | 830803.0 | 826920.0 | 647  | 895.0651  |
| 12.6660 |   |          |          |      |           |
| 39      | 3 | 830803.0 | 826920.0 | 75   | 894.9482  |
| 12.6887 |   |          |          |      |           |
| 40      | 3 | 830803.0 | 826920.0 | 8310 | 894.9190  |
| 12.6944 |   |          |          |      |           |
| 41      | 3 | 830803.0 | 826920.0 | 1638 | 894.8751  |
| 12.7030 |   |          |          |      |           |
| 42      | 3 | 830803.0 | 826920.0 | 1902 | 894.7143  |
| 12.7343 |   |          |          |      |           |
| 43      | 3 | 830803.0 | 826920.0 | 773  | 894.5679  |
| 12.7628 |   |          |          |      |           |
| 44      | 3 | 830803.0 | 826920.0 | 8542 | 894.3925  |
| 12.7970 |   |          |          |      |           |
| 45      | 3 | 830803.0 | 826920.0 | 8598 | 894.2755  |
| 12.8197 |   |          |          |      |           |
| 46      | 3 | 830803.0 | 826920.0 | 7947 | 894.1585  |
| 12.8425 |   |          |          |      |           |
| 47      | 3 | 830803.0 | 826920.0 | 7925 | 893.8964  |
| 12.8937 |   |          |          |      |           |
| 48      | 3 | 830803.0 | 826920.0 | 7207 | 893.5051  |
| 12.9702 |   |          |          |      |           |
| 49      | 3 | 830803.0 | 826920.0 | 7036 | 893.4905  |
| 12.9730 |   |          |          |      |           |
| 50      | 3 | 830803.0 | 826920.0 | 7662 | 893.4185  |
| 12.9871 |   |          |          |      |           |
| 1       |   |          |          |      |           |

HIGHEST AND SECOND HIGHEST VALUES FOR 1 HOUR AVERAGES

| RECEPTOR<br>SECOND HIGH | X-COORDINATE<br>ENDING HOUR | Y-COORDINATE<br>DEPOSITION | HIGHEST VALUE | ENDING HOUR | DEPOSITION |
|-------------------------|-----------------------------|----------------------------|---------------|-------------|------------|
| 1                       | 832019.0                    | 826834.0                   | 599.4000      | 1895.       | 7.5862     |
| 599.3099                | 8405.                       | 7.5963                     |               |             |            |
| 2                       | 832090.0                    | 826752.0                   | 401.8844      | 647.        | 4.5350     |
| 401.7640                | 75.                         | 4.5462                     |               |             |            |
| 3                       | 830803.0                    | 826920.0                   | 895.0651      | 647.        | 12.6660    |
| 894.9482                | 75.                         | 12.6887                    |               |             |            |
| 4                       | 830780.0                    | 827012.0                   | 396.9941      | 812.        | 5.0203     |
| 396.9583                | 811.                        | 5.0243                     |               |             |            |
| 5                       | 830829.0                    | 827028.0                   | 263.1797      | 668.        | 3.1505     |
| 263.1797                | 1900.                       | 3.1505                     |               |             |            |
| 6                       | 828936.0                    | 827044.0                   | 298.0976      | 1895.       | 3.5776     |
| 298.0470                | 8405.                       | 3.5828                     |               |             |            |
| 7                       | 829250.0                    | 827096.0                   | 139.3461      | 45.         | 1.1321     |
| 138.6370                | 3790.                       | 1.1778                     |               |             |            |
| 8                       | 827754.0                    | 825419.0                   | 1336.5535     | 291.        | 15.6654    |
| 1336.0354               | 8523.                       | 15.7162                    |               |             |            |
| 9                       | 827933.0                    | 825520.0                   | 1124.0665     | 7290.       | 13.0927    |
| 1123.7731               | 7026.                       | 13.1201                    |               |             |            |
| 1                       |                             |                            |               |             |            |

TOP 50 TABLE FOR 24 HOUR AVERAGES

| RANK<br>DEPOSITION | RECEPTOR | X-COORDINATE | Y-COORDINATE | ENDING HOUR | CONCENTRATION |
|--------------------|----------|--------------|--------------|-------------|---------------|
| 1                  | 8        | 827754.0     | 825419.0     | 4008C       | 298.1272      |
| 5.3578             |          |              |              |             |               |
| 2                  | 8        | 827754.0     | 825419.0     | 6144        | 252.4283      |
| 4.2131             |          |              |              |             |               |
| 3                  | 8        | 827754.0     | 825419.0     | 7440C       | 246.5932      |
| 3.6081             |          |              |              |             |               |
| 4                  | 3        | 830803.0     | 826920.0     | 8328        | 244.6882      |
| 3.7884             |          |              |              |             |               |
| 5                  | 8        | 827754.0     | 825419.0     | 6384C       | 235.7595      |
| 4.5538             |          |              |              |             |               |
| 6                  | 8        | 827754.0     | 825419.0     | 8640C       | 231.7761      |
| 3.4445             |          |              |              |             |               |
| 7                  | 8        | 827754.0     | 825419.0     | 8400C       | 224.1334      |
| 3.5277             |          |              |              |             |               |
| 8                  | 3        | 830803.0     | 826920.0     | 240C        | 219.5206      |
| 4.2486             |          |              |              |             |               |
| 9                  | 3        | 830803.0     | 826920.0     | 7944        | 219.0583      |
| 3.9435             |          |              |              |             |               |
| 10                 | 3        | 830803.0     | 826920.0     | 8016C       | 214.0639      |
| 3.2129             |          |              |              |             |               |
| 11                 | 8        | 827754.0     | 825419.0     | 7296C       | 213.3418      |
| 3.2823             |          |              |              |             |               |
| 12                 | 8        | 827754.0     | 825419.0     | 3984C       | 212.8333      |
| 3.2442             |          |              |              |             |               |
| 13                 | 3        | 830803.0     | 826920.0     | 7080C       | 212.2928      |
| 3.1528             |          |              |              |             |               |
| 14                 | 8        | 827754.0     | 825419.0     | 6480        | 211.9633      |
| 4.4254             |          |              |              |             |               |
| 15                 | 3        | 830803.0     | 826920.0     | 6336C       | 206.3655      |
| 3.6927             |          |              |              |             |               |
| 16                 | 8        | 827754.0     | 825419.0     | 7176        | 204.0756      |
| 4.0213             |          |              |              |             |               |
| 17                 | 8        | 827754.0     | 825419.0     | 8064        | 203.9820      |
| 3.0601             |          |              |              |             |               |
| 18                 | 8        | 827754.0     | 825419.0     | 6504        | 203.5732      |
| 3.8649             |          |              |              |             |               |
| 19                 | 3        | 830803.0     | 826920.0     | 7104C       | 203.1581      |
| 3.1527             |          |              |              |             |               |
| 20                 | 8        | 827754.0     | 825419.0     | 888         | 201.6675      |
| 2.6405             |          |              |              |             |               |
| 21                 | 3        | 830803.0     | 826920.0     | 5544C       | 200.7702      |
| 3.2623             |          |              |              |             |               |
| 22                 | 8        | 827754.0     | 825419.0     | 192C        | 198.7112      |
| 3.7107             |          |              |              |             |               |
| 23                 | 3        | 830803.0     | 826920.0     | 8472        | 197.4408      |
| 5.6457             |          |              |              |             |               |
| 24                 | 3        | 830803.0     | 826920.0     | 72          | 197.1069      |
| 3.3955             |          |              |              |             |               |
| 25                 | 8        | 827754.0     | 825419.0     | 7464        | 196.8642      |
| 3.8804             |          |              |              |             |               |
| 26                 | 8        | 827754.0     | 825419.0     | 6576        | 192.6287      |
| 3.4499             |          |              |              |             |               |
| 27                 | 8        | 827754.0     | 825419.0     | 408C        | 192.1305      |
| 3.3111             |          |              |              |             |               |
| 28                 | 3        | 830803.0     | 826920.0     | 6672        | 182.7060      |
| 4.3447             |          |              |              |             |               |
| 29                 | 8        | 827754.0     | 825419.0     | 792         | 182.1194      |
| 4.0131             |          |              |              |             |               |
| 30                 | 8        | 827754.0     | 825419.0     | 1872        | 181.8001      |
| 4.1314             |          |              |              |             |               |

|        |   |          |          |       |          |
|--------|---|----------|----------|-------|----------|
| 31     | 8 | 827754.0 | 825419.0 | 1896C | 181.1646 |
| 3.6652 |   |          |          |       |          |
| 32     | 3 | 830803.0 | 826920.0 | 8640C | 179.5936 |
| 3.2025 |   |          |          |       |          |
| 33     | 8 | 827754.0 | 825419.0 | 7872C | 178.2266 |
| 2.8512 |   |          |          |       |          |
| 34     | 3 | 830803.0 | 826920.0 | 7968C | 176.2195 |
| 3.2490 |   |          |          |       |          |
| 35     | 3 | 830803.0 | 826920.0 | 8496  | 175.7600 |
| 2.9034 |   |          |          |       |          |
| 36     | 8 | 827754.0 | 825419.0 | 7152C | 174.5830 |
| 2.8715 |   |          |          |       |          |
| 37     | 8 | 827754.0 | 825419.0 | 8040C | 172.9462 |
| 2.4690 |   |          |          |       |          |
| 38     | 3 | 830803.0 | 826920.0 | 6696C | 172.5379 |
| 3.4279 |   |          |          |       |          |
| 39     | 8 | 827754.0 | 825419.0 | 8424C | 171.9267 |
| 2.6196 |   |          |          |       |          |
| 40     | 8 | 827754.0 | 825419.0 | 7392  | 171.3275 |
| 3.0615 |   |          |          |       |          |
| 41     | 8 | 827754.0 | 825419.0 | 7128C | 170.3104 |
| 2.3447 |   |          |          |       |          |
| 42     | 3 | 830803.0 | 826920.0 | 8616C | 167.9956 |
| 2.4338 |   |          |          |       |          |
| 43     | 3 | 830803.0 | 826920.0 | 6744  | 165.2286 |
| 2.7014 |   |          |          |       |          |
| 44     | 8 | 827754.0 | 825419.0 | 864C  | 164.2464 |
| 2.5647 |   |          |          |       |          |
| 45     | 8 | 827754.0 | 825419.0 | 7248  | 162.5860 |
| 3.9480 |   |          |          |       |          |
| 46     | 8 | 827754.0 | 825419.0 | 8688  | 160.8382 |
| 2.7529 |   |          |          |       |          |
| 47     | 8 | 827754.0 | 825419.0 | 8184  | 160.0340 |
| 3.0058 |   |          |          |       |          |
| 48     | 8 | 827754.0 | 825419.0 | 816C  | 159.9873 |
| 3.4854 |   |          |          |       |          |
| 49     | 3 | 830803.0 | 826920.0 | 7056C | 159.7577 |
| 2.4012 |   |          |          |       |          |
| 50     | 8 | 827754.0 | 825419.0 | 552C  | 156.8810 |
| 2.8341 |   |          |          |       |          |
| 1      |   |          |          |       |          |

HIGHEST AND SECOND HIGHEST VALUES FOR 24 HOUR AVERAGES

| RECEPTOR    | X-COORDINATE | Y-COORDINATE | HIGHEST VALUE | ENDING HOUR | DEPOSITION |
|-------------|--------------|--------------|---------------|-------------|------------|
| SECOND HIGH | ENDING HOUR  | DEPOSTION    |               |             |            |
| -----       | -----        | -----        | -----         | -----       | -----      |
| 1           | 832019.0     | 826834.0     | 100.8349      | 6480.       | 2.1548     |
| 90.9736     | 4008.C       | 1.8456       |               |             |            |
| 2           | 832090.0     | 826752.0     | 44.9157       | 5544.C      | 0.5607     |
| 42.7294     | 3336.C       | 0.5457       |               |             |            |
| 3           | 830803.0     | 826920.0     | 244.6882      | 8328.       | 3.7884     |
| 219.5206    | 240.C        | 4.2486       |               |             |            |
| 4           | 830780.0     | 827012.0     | 82.6707       | 4440.C      | 1.2603     |
| 64.5585     | 1104.C       | 0.9818       |               |             |            |
| 5           | 830829.0     | 827028.0     | 101.0873      | 5784.C      | 1.3469     |
| 86.7248     | 5808.C       | 1.1455       |               |             |            |
| 6           | 828936.0     | 827044.0     | 151.4450      | 8424.C      | 2.1248     |
| 131.8610    | 7128.C       | 1.8828       |               |             |            |
| 7           | 829250.0     | 827096.0     | 25.1746       | 6264.C      | 0.3468     |
| 24.6415     | 3792.C       | 0.3163       |               |             |            |

|          |          |          |          |        |        |
|----------|----------|----------|----------|--------|--------|
| 8        | 827754.0 | 825419.0 | 298.1272 | 4008.C | 5.3578 |
| 252.4283 | 6144.    | 4.2131   |          |        |        |
| 9        | 827933.0 | 825520.0 | 146.9150 | 6720.C | 2.1814 |
| 123.9668 | 8280.    | 2.0969   |          |        |        |

DATE AT END OF RUN: 01/14/05      TIME AT END OF RUN: 17:15:43.25  
 ELAPSED TIME FOR THIS RUN:      0.19202E+03 SECONDS  
 OR      0 HOURS    3 MINUTES      12.02 SECONDS