

| | | | | | | | | | | |
|----------------|----------|----------|----------|-----------|----------|-----------|---------|----------|---|----------|
| 2/6/2012 16:00 | 3.199775 | 320.978 | 17.63025 | -12.49073 | 218.7879 | -188.2465 | 43.7535 | 67.27569 | 0 | 978.7903 |
| 2/6/2012 17:00 | 2.637675 | 322.0245 | 17.10806 | -13.19384 | 218.3556 | -188.7959 | 43.2041 | 69.1194 | 0 | 979.7125 |
| 2/6/2012 18:00 | 2.244666 | 312.8846 | 11.38128 | -15.00688 | 218.3297 | -188.773 | 43.227 | 79.7528 | 0 | 980.5326 |
| 2/6/2012 19:00 | 2.357742 | 310.9141 | 8.851007 | -17.04002 | 218.0762 | -187.5368 | 44.4632 | 79.82301 | 0 | 981.2195 |
| 2/6/2012 20:00 | 2.414639 | 318.7434 | 10.28954 | -16.79179 | 217.8776 | -187.8115 | 44.1885 | 74.1133 | 0 | 981.7431 |
| 2/6/2012 21:00 | 2.51487 | 318.0354 | 8.160249 | -17.67268 | 217.9668 | -187.3307 | 44.6693 | 73.97899 | 0 | 982.2459 |
| 2/6/2012 22:00 | 2.423413 | 318.3216 | 8.738437 | -18.34922 | 217.8 | -187.6665 | 44.3335 | 74.05834 | 0 | 982.7667 |
| 2/6/2012 23:00 | 2.323928 | 312.6701 | 8.005255 | -19.59763 | 217.7327 | -187.6665 | 44.3335 | 81.14931 | 0 | 983.3601 |
| 2/7/2012 0:00 | 2.484968 | 307.3538 | 7.838438 | -20.6545 | 217.5237 | -187.4833 | 44.5167 | 82.37795 | 0 | 983.8862 |
| 2/7/2012 1:00 | 2.306841 | 304.1467 | 8.840877 | -21.33702 | 217.532 | -187.8191 | 44.1809 | 84.16825 | 0 | 984.0406 |
| 2/7/2012 2:00 | 1.887102 | 295.7129 | 10.33653 | -21.54732 | 217.4835 | -188.3381 | 43.6619 | 82.2009 | 0 | 984.1247 |
| 2/7/2012 3:00 | 1.55728 | 282.374 | 12.87887 | -21.28228 | 217.3398 | -187.3842 | 44.6158 | 82.03301 | 0 | 984.1627 |
| 2/7/2012 4:00 | 1.899604 | 288.1148 | 12.58638 | -21.81415 | 217.3222 | -187.3689 | 44.6311 | 80.9799 | 0 | 984.0214 |
| 2/7/2012 5:00 | 2.019688 | 282.3884 | 16.10815 | -21.97092 | 217.2604 | -186.4531 | 45.5469 | 79.15603 | 0 | 983.6219 |
| 2/7/2012 6:00 | 1.692047 | 276.4782 | 18.36842 | -21.8314 | 217.2516 | -187.262 | 44.738 | 76.62245 | 0 | 983.3899 |
| 2/7/2012 7:00 | 1.410515 | 269.7711 | 17.12965 | -21.50814 | 217.2506 | -187.2315 | 44.7685 | 72.7824 | 0 | 983.2911 |
| 2/7/2012 8:00 | 2.150124 | 276.8976 | 19.6264 | -20.69039 | 217.2353 | -187.3842 | 44.6158 | 59.2476 | 0 | 982.9886 |
| 2/7/2012 9:00 | 3.340806 | 288.4532 | 17.12694 | -18.50012 | 217.531 | -188.2465 | 43.7535 | 56.00431 | 0 | 982.5153 |
| 2/7/2012 10:00 | 3.921278 | 289.6827 | 18.28189 | -16.52422 | 219.0607 | -188.1778 | 43.8222 | 51.82238 | 0 | 981.8787 |
| 2/7/2012 11:00 | 3.740805 | 289.1816 | 18.48314 | -14.55605 | 219.3751 | -204.8521 | 27.1479 | 44.37732 | 0 | 981.2898 |
| 2/7/2012 12:00 | 3.127543 | 276.1445 | 25.65707 | -11.60405 | 221.7341 | -187.6665 | 44.3335 | 37.04215 | 0 | 980.2532 |
| 2/7/2012 13:00 | 3.311663 | 274.2171 | 24.55643 | -9.715128 | 219.2871 | -190.8106 | 41.1894 | 36.93378 | 0 | 979.1664 |
| 2/7/2012 14:00 | 3.075235 | 263.1444 | 26.82386 | -8.388758 | 219.1211 | -187.4833 | 44.5167 | 34.62914 | 0 | 978.2398 |
| 2/7/2012 15:00 | 3.243925 | 257.7238 | 26.70918 | -7.898619 | 220.6647 | -190.864 | 41.136 | 38.22499 | 0 | 977.3343 |
| 2/7/2012 16:00 | 3.009316 | 256.3167 | 26.40635 | -8.924899 | 219.0172 | -188.2541 | 43.7459 | 41.7369 | 0 | 976.8506 |
| 2/7/2012 17:00 | 3.054045 | 253.3027 | 27.03905 | -9.377804 | 219.0056 | -188.7272 | 43.2728 | 44.62152 | 0 | 976.0032 |
| 2/7/2012 18:00 | 3.193337 | 258.4091 | 24.74466 | -10.37189 | 218.9166 | -188.7578 | 43.2422 | 48.27232 | 0 | 975.4553 |
| 2/7/2012 19:00 | 2.993572 | 260.5969 | 24.3888 | -11.13215 | 218.7696 | -188.2388 | 43.7612 | 50.89594 | 0 | 974.8858 |
| 2/7/2012 20:00 | 2.855245 | 263.1438 | 23.9246 | -11.75655 | 218.6537 | -188.918 | 43.082 | 51.91395 | 0 | 974.228 |
| 2/7/2012 21:00 | 2.926609 | 265.53 | 21.78003 | -12.27472 | 218.6696 | -188.5441 | 43.4559 | 50.46554 | 0 | 973.7482 |
| 2/7/2012 22:00 | 2.936113 | 268.6563 | 22.78808 | -12.67325 | 218.6324 | -189.0401 | 42.9599 | 56.97195 | 0 | 973.2976 |
| 2/7/2012 23:00 | 2.939805 | 266.3868 | 22.35987 | -13.1851 | 218.5116 | -188.2999 | 43.7001 | 61.07147 | 0 | 972.8588 |
| 2/8/2012 0:00 | 2.596557 | 261.2425 | 22.00339 | -13.6364 | 218.4282 | -188.8875 | 43.1125 | 64.63985 | 0 | 972.3947 |
| 2/8/2012 1:00 | 2.615895 | 263.5945 | 22.75594 | -13.86478 | 218.3851 | -188.8875 | 43.1125 | 69.4567 | 0 | 971.7916 |
| 2/8/2012 2:00 | 2.318118 | 268.2588 | 21.71898 | -13.91783 | 218.2611 | -188.1778 | 43.8222 | 72.00096 | 0 | 971.299 |
| 2/8/2012 3:00 | 2.556365 | 266.5526 | 21.30141 | -13.65633 | 218.2858 | -188.1473 | 43.8527 | 75.13894 | 0 | 970.7102 |
| 2/8/2012 4:00 | 2.078376 | 262.396 | 21.14572 | -13.88883 | 218.23 | -188.1854 | 43.8146 | 78.7409 | 0 | 970.0994 |
| 2/8/2012 5:00 | 2.04844 | 257.6699 | 20.05884 | -14.5861 | 218.1106 | -187.7276 | 44.2724 | 82.20853 | 0 | 969.5309 |
| 2/8/2012 6:00 | 2.062775 | 261.3033 | 21.96904 | -14.77105 | 218.0749 | -188.5517 | 43.4483 | 84.1545 | 0 | 968.9567 |
| 2/8/2012 7:00 | 2.290797 | 259.1914 | 21.59152 | -14.84337 | 218.0581 | -188.2083 | 43.7917 | 85.87765 | 0 | 968.4962 |
| 2/8/2012 8:00 | 2.489249 | 259.4925 | 22.1374 | -15.00929 | 217.9919 | -188.0252 | 43.9748 | 87.08034 | 0 | 967.8828 |
| 2/8/2012 9:00 | 2.704835 | 257.1252 | 25.48327 | -14.33524 | 218.14 | -188.422 | 43.578 | 83.65237 | 0 | 967.4493 |
| 2/8/2012 10:00 | 3.030233 | 267.0776 | 23.6247 | -12.78183 | 217.9398 | -188.5822 | 43.4178 | 76.3691 | 0 | 966.751 |
| 2/8/2012 11:00 | 2.756027 | 271.6676 | 26.16214 | -11.14433 | 219.8493 | -186.3844 | 45.6156 | 70.12542 | 0 | 966.3655 |
| 2/8/2012 12:00 | 3.980388 | 285.5499 | 21.78441 | -8.98169 | 219.2727 | -185.6442 | 46.3558 | 66.60719 | 0 | 966.0456 |
| 2/8/2012 13:00 | 3.9091 | 289.0916 | 21.98943 | -7.376318 | 220.3027 | -191.795 | 40.205 | 65.63191 | 0 | 965.1639 |
| 2/8/2012 14:00 | 2.948179 | 286.3133 | 24.74948 | -5.361173 | 218.8116 | -188.3152 | 43.6848 | 53.76072 | 0 | 964.1414 |
| 2/8/2012 15:00 | 3.055006 | 268.9108 | 27.53534 | -3.717157 | 219.6312 | -191.8866 | 40.1134 | 52.85107 | 0 | 963.394 |
| 2/8/2012 16:00 | 3.287931 | 283.1464 | 21.71552 | -4.053285 | 220.0008 | -191.444 | 40.556 | 55.53575 | 0 | 963.1571 |
| 2/8/2012 17:00 | 2.403044 | 269.3792 | 23.36448 | -4.863513 | 219.5888 | -189.1699 | 42.8301 | 60.44418 | 0 | 962.9537 |
| 2/8/2012 18:00 | 1.938275 | 269.7851 | 20.37488 | -6.002361 | 219.1966 | -189.0706 | 42.9294 | 65.12366 | 0 | 962.802 |
| 2/8/2012 19:00 | 1.860064 | 267.0688 | 19.29858 | -7.042829 | 219.0206 | -188.5136 | 43.4864 | 67.71066 | 0 | 962.7227 |
| 2/8/2012 20:00 | 1.65481 | 271.2204 | 20.1961 | -7.918094 | 218.8903 | -188.6738 | 43.3262 | 69.79247 | 0 | 962.7529 |
| 2/8/2012 21:00 | 1.939066 | 273.9038 | 22.04451 | -7.764658 | 219.0933 | -189.3759 | 42.6241 | 70.23357 | 0 | 962.5223 |
| 2/8/2012 22:00 | 2.424174 | 271.6855 | 23.36183 | -7.581762 | 219.2538 | -189.8033 | 42.1967 | 71.43167 | 0 | 962.0434 |
| 2/8/2012 23:00 | 1.771066 | 264.8648 | 24.76638 | -7.880247 | 219.2074 | -188.9867 | 43.0133 | 74.79247 | 0 | 961.7272 |
| 2/9/2012 0:00 | 1.588095 | 252.7401 | 22.52585 | -8.364 | 219.2035 | -189.1317 | 42.8683 | 75.73723 | 0 | 961.2156 |
| 2/9/2012 1:00 | 1.773696 | 254.8285 | 25.29984 | -9.209211 | 219.2699 | -189.1241 | 42.8759 | 78.00829 | 0 | 960.7561 |
| 2/9/2012 2:00 | 1.576598 | 257.8072 | 22.60231 | -9.993057 | 219.2329 | -189.2538 | 42.7462 | 80.9509 | 0 | 960.1525 |
| 2/9/2012 3:00 | 1.310043 | 258.8941 | 21.78596 | -10.9554 | 218.8663 | -189.0172 | 42.9828 | 84.69939 | 0 | 959.8477 |
| 2/9/2012 4:00 | 1.679235 | 276.0448 | 19.8504 | -11.48184 | 218.9487 | -189.1546 | 42.8454 | 85.66245 | 0 | 959.5056 |
| 2/9/2012 5:00 | 2.39604 | 300.2274 | 14.67503 | -11.29376 | 218.8227 | -189.1088 | 42.8912 | 87.14444 | 0 | 959.4236 |
| 2/9/2012 6:00 | 2.61422 | 321.8632 | 18.78224 | -11.327 | 219.0254 | -189.063 | 42.937 | 81.14627 | 0 | 959.8016 |
| 2/9/2012 7:00 | 2.480221 | 331.1847 | 19.18405 | -13.33468 | 218.8426 | -188.6738 | 43.3262 | 63.41732 | 0 | 960.4356 |
| 2/9/2012 8:00 | 1.929119 | 332.1928 | 19.57382 | -16.18658 | 218.4618 | -188.8493 | 43.1507 | 64.92678 | 0 | 961.3409 |
| 2/9/2012 9:00 | 2.045135 | 331.3657 | 20.08839 | -17.2604 | 218.4944 | -188.6509 | 43.3491 | 61.57513 | 0 | 962.1091 |
| 2/9/2012 10:00 | 2.17022 | 327.5972 | 20.90773 | -17.54647 | 218.6697 | -188.6967 | 43.3033 | 59.47959 | 0 | 962.6177 |
| 2/9/2012 11:00 | 2.255884 | 323.6617 | 19.28996 | -17.58818 | 218.6198 | -186.8347 | 45.1653 | 57.60382 | 0 | 963.1891 |
| 2/9/2012 12:00 | 2.586278 | 319.4343 | 19.8541 | -17.02632 | 219.6031 | -188.2083 | 43.7917 | 54.21554 | 0 | 963.5958 |
| 2/9/2012 13:00 | 2.457117 | 321.6623 | 22.1295 | -16.08805 | 219.2995 | -189.6201 | 42.3799 | 52.48325 | 0 | 963.7621 |
| 2/9/2012 14:00 | 3.177296 | 316.946 | 16.65335 | -15.91348 | 217.8735 | -186.8652 | 45.1348 | 52.29551 | 0 | 964.1875 |
| 2/9/2012 15:00 | 3.373292 | 319.0991 | 16.56564 | -16.17915 | 220.0422 | -191.94 | 40.06 | 52.18258 | 0 | 965.0211 |
| 2/9/2012 16:00 | 4.09376 | 314.3226 | 12.61945 | -17.07137 | 218.7699 | -188.857 | 43.143 | 54.65052 | 0 | 966.0004 |
| 2/9/2012 17:00 | 3.387844 | 318.2479 | 15.78144 | -18.21246 | 218.3677 | -187.8725 | 44.1275 | 58.17311 | 0 | 967.319 |

| | | | | | | | | | | |
|-----------------|----------|----------|----------|-----------|----------|-----------|---------|----------|-------|----------|
| 2/9/2012 18:00 | 2.708159 | 338.606 | 21.04367 | -19.06484 | 218.1695 | -188.0557 | 43.9443 | 61.28667 | 0 | 968.6943 |
| 2/9/2012 19:00 | 2.628136 | 333.0332 | 20.96589 | -20.45731 | 218.0029 | -188.8493 | 43.1507 | 67.14901 | 0 | 970.1392 |
| 2/9/2012 20:00 | 2.544249 | 334.2118 | 21.97056 | -21.78484 | 217.9199 | -187.7199 | 44.2801 | 68.3059 | 0 | 971.4678 |
| 2/9/2012 21:00 | 2.248144 | 335.8807 | 20.76325 | -23.18122 | 217.6995 | -188.0557 | 43.9443 | 71.95212 | 0 | 972.8495 |
| 2/9/2012 22:00 | 1.991962 | 339.3962 | 22.23883 | -24.40765 | 217.6086 | -186.85 | 45.15 | 74.79553 | 0 | 974.0732 |
| 2/9/2012 23:00 | 1.648596 | 314.9027 | 12.18775 | -25.94848 | 217.4641 | -187.9946 | 44.0054 | 77.25585 | 0 | 974.8006 |
| 2/10/2012 0:00 | 3.077418 | 309.3898 | 10.13014 | -26.36688 | 217.6327 | -187.3918 | 44.6082 | 74.1545 | 0 | 975.4808 |
| 2/10/2012 1:00 | 3.089933 | 305.7272 | 10.49362 | -26.72486 | 217.5569 | -187.9183 | 44.0817 | 75.00311 | 0 | 975.8137 |
| 2/10/2012 2:00 | 3.487643 | 304.1507 | 10.93089 | -27.25601 | 217.621 | -187.781 | 44.219 | 75.78454 | 0 | 975.8927 |
| 2/10/2012 3:00 | 3.725483 | 302.463 | 10.41315 | -27.53556 | 217.6842 | -187.1705 | 44.8295 | 75.51134 | 0 | 975.9258 |
| 2/10/2012 4:00 | 3.949326 | 303.7955 | 10.47508 | -27.6396 | 217.5869 | -187.7199 | 44.2801 | 75.3633 | 0 | 976.1437 |
| 2/10/2012 5:00 | 4.176391 | 301.2018 | 9.50634 | -27.99503 | 217.5599 | -187.5902 | 44.4098 | 75.79064 | 0 | 976.5551 |
| 2/10/2012 6:00 | 4.34107 | 302.3291 | 9.743896 | -28.17111 | 217.566 | -186.9949 | 45.0051 | 75.39993 | 0 | 976.8357 |
| 2/10/2012 7:00 | 4.44197 | 302.6543 | 9.916779 | -28.15163 | 217.6086 | -187.9641 | 44.0359 | 75.02752 | 0 | 977.3807 |
| 2/10/2012 8:00 | 3.661225 | 300.6915 | 9.873228 | -28.29962 | 217.6102 | -186.9263 | 45.0737 | 75.5846 | 0 | 977.799 |
| 2/10/2012 9:00 | 3.46143 | 297.0599 | 11.98946 | -27.87825 | 217.5695 | -187.7199 | 44.2801 | 71.34773 | 0 | 978.0033 |
| 2/10/2012 10:00 | 3.296225 | 294.0394 | 14.67867 | -25.58784 | 219.1545 | -187.9226 | 44.7074 | 62.04827 | 0 | 977.9169 |
| 2/10/2012 11:00 | 3.684613 | 297.2252 | 14.49405 | -22.16933 | 218.1385 | -185.9266 | 46.0734 | 49.67342 | 0.254 | 977.7858 |
| 2/10/2012 12:00 | 4.532717 | 306.0541 | 13.11663 | -19.23405 | 219.057 | -186.8194 | 45.1806 | 44.58794 | 0 | 978.0484 |
| 2/10/2012 13:00 | 5.310493 | 302.4662 | 12.68735 | -18.08622 | 218.8075 | -183.2404 | 48.7596 | 43.30284 | 0 | 978.0421 |
| 2/10/2012 14:00 | 5.493697 | 304.8 | 13.73012 | -16.99877 | 218.0799 | -188.2159 | 43.7841 | 42.58092 | 0 | 977.7176 |
| 2/10/2012 15:00 | 4.667963 | 299.1032 | 14.84046 | -15.96015 | 218.7725 | -185.6747 | 46.3253 | 42.42219 | 0 | 977.5173 |
| 2/10/2012 16:00 | 5.32731 | 298.0507 | 12.13722 | -16.37664 | 218.3692 | -188.0862 | 43.9138 | 44.44753 | 0 | 977.6672 |
| 2/10/2012 17:00 | 4.639061 | 299.115 | 13.20831 | -16.82221 | 218.1762 | -188.422 | 43.578 | 46.17677 | 0 | 977.6561 |
| 2/10/2012 18:00 | 4.608824 | 298.7162 | 11.37196 | -17.25635 | 218.1066 | -188.1244 | 43.8756 | 49.94967 | 0 | 977.6341 |
| 2/10/2012 19:00 | 4.517522 | 297.0041 | 12.5573 | -17.86827 | 217.9826 | -187.842 | 44.158 | 54.37122 | 0 | 977.7873 |
| 2/10/2012 20:00 | 5.555305 | 299.3132 | 11.28042 | -18.35561 | 218.0058 | -187.6894 | 44.3106 | 59.88099 | 0 | 977.7479 |
| 2/10/2012 21:00 | 5.518011 | 299.1964 | 11.54928 | -18.74946 | 217.9296 | -187.8115 | 44.1885 | 63.54399 | 0 | 977.8755 |
| 2/10/2012 22:00 | 4.39643 | 297.5996 | 11.07029 | -19.96035 | 217.8465 | -187.5444 | 44.4556 | 67.92739 | 0 | 978.2015 |
| 2/10/2012 23:00 | 5.119051 | 297.7818 | 11.679 | -20.72168 | 217.588 | -187.9336 | 44.0664 | 71.35536 | 0 | 978.1798 |
| 2/11/2012 0:00 | 5.048616 | 297.812 | 11.33877 | -21.78435 | 217.6035 | -187.4757 | 44.5243 | 74.52996 | 0 | 978.0436 |
| 2/11/2012 1:00 | 4.525421 | 297.5587 | 11.97004 | -22.70103 | 217.5573 | -187.9259 | 44.0741 | 76.52477 | 0 | 977.9057 |
| 2/11/2012 2:00 | 3.723205 | 294.323 | 13.11062 | -23.30262 | 217.503 | -187.5368 | 44.4632 | 78.0266 | 0 | 977.4679 |
| 2/11/2012 3:00 | 3.767354 | 294.0044 | 14.61481 | -23.28216 | 217.5712 | -187.8115 | 44.1885 | 77.29552 | 0 | 977.2094 |
| 2/11/2012 4:00 | 3.78489 | 293.882 | 12.73945 | -23.11569 | 217.5516 | -187.6055 | 44.3945 | 77.80682 | 0 | 976.5406 |
| 2/11/2012 5:00 | 3.591328 | 294.8987 | 12.77701 | -22.96873 | 217.5491 | -187.5062 | 44.4938 | 78.52721 | 0 | 976.6425 |
| 2/11/2012 6:00 | 3.073232 | 293.0251 | 14.14469 | -22.20656 | 217.5494 | -187.6589 | 44.3411 | 84.20029 | 0 | 976.5244 |
| 2/11/2012 7:00 | 3.151208 | 292.6913 | 14.49958 | -21.37288 | 217.5843 | -187.9336 | 44.0664 | 84.21861 | 0 | 976.3605 |
| 2/11/2012 8:00 | 3.521551 | 291.0546 | 15.57189 | -20.70952 | 217.5068 | -188.1473 | 43.8527 | 82.57332 | 0 | 976.0215 |
| 2/11/2012 9:00 | 3.456078 | 290.1771 | 17.90759 | -20.15471 | 217.6764 | -187.1705 | 44.8295 | 77.57789 | 0 | 975.7913 |
| 2/11/2012 10:00 | 4.145916 | 289.5615 | 17.94583 | -19.05571 | 217.903 | -188.2541 | 43.7459 | 74.33155 | 0 | 975.2891 |
| 2/11/2012 11:00 | 3.595229 | 289.3016 | 18.88159 | -16.92533 | 218.2798 | -181.0884 | 50.9116 | 61.48814 | 0 | 974.8031 |
| 2/11/2012 12:00 | 4.202353 | 290.6555 | 18.74895 | -14.3243 | 217.8856 | -186.9339 | 45.0661 | 42.8068 | 0 | 974.0916 |
| 2/11/2012 13:00 | 4.973741 | 290.64 | 18.07627 | -11.90552 | 219.3041 | -187.8191 | 44.1809 | 37.64196 | 0 | 972.9462 |
| 2/11/2012 14:00 | 5.263321 | 290.8699 | 17.784 | -10.29301 | 219.4225 | -186.7126 | 45.2874 | 34.76498 | 3.556 | 972.2178 |
| 2/11/2012 15:00 | 5.306921 | 292.8093 | 17.93913 | -9.077213 | 217.1987 | -189.2538 | 42.7462 | 34.3941 | 0 | 971.7625 |
| 2/11/2012 16:00 | 4.547699 | 292.3935 | 17.28493 | -9.13523 | 218.9245 | -188.6738 | 43.3262 | 35.65021 | 0 | 971.7787 |
| 2/11/2012 17:00 | 4.27699 | 288.2958 | 18.59817 | -9.98353 | 218.7952 | -188.7807 | 43.2193 | 38.82786 | 0 | 972.0326 |
| 2/11/2012 18:00 | 4.019372 | 283.9248 | 19.79739 | -11.28607 | 218.5267 | -188.5136 | 43.4864 | 42.4634 | 0 | 971.882 |
| 2/11/2012 19:00 | 4.379802 | 288.5555 | 17.998 | -12.22711 | 218.3419 | -188.5441 | 43.4559 | 44.95729 | 0 | 972.0418 |
| 2/11/2012 20:00 | 3.980139 | 288.0369 | 17.9334 | -13.08048 | 218.2436 | -188.773 | 43.227 | 48.63709 | 0 | 972.0962 |
| 2/11/2012 21:00 | 4.045166 | 288.3049 | 17.91198 | -13.93076 | 218.1476 | -188.1244 | 43.8756 | 51.5446 | 0 | 972.0173 |
| 2/11/2012 22:00 | 4.280303 | 288.428 | 16.63567 | -14.7433 | 218.0875 | -187.8496 | 44.1504 | 55.17708 | 0 | 972.0726 |
| 2/11/2012 23:00 | 3.618228 | 287.33 | 17.89519 | -15.56741 | 217.9559 | -188.3228 | 43.6772 | 57.68166 | 0 | 971.8189 |
| 2/12/2012 0:00 | 3.175895 | 284.6467 | 18.86531 | -15.81743 | 217.8945 | -187.842 | 44.158 | 58.93624 | 0 | 971.5646 |
| 2/12/2012 1:00 | 3.004989 | 284.0136 | 19.65042 | -15.96793 | 217.8742 | -187.8268 | 44.1732 | 58.54399 | 0 | 971.2933 |
| 2/12/2012 2:00 | 2.989515 | 286.8965 | 19.44648 | -16.12174 | 217.8949 | -187.9489 | 44.0511 | 57.34894 | 0 | 970.9847 |
| 2/12/2012 3:00 | 2.936748 | 286.4027 | 19.73069 | -16.31949 | 217.8305 | -187.5749 | 44.4251 | 57.19478 | 0 | 970.5632 |
| 2/12/2012 4:00 | 2.481049 | 280.7809 | 21.13419 | -16.56063 | 217.8455 | -188.1702 | 43.8298 | 58.84314 | 0 | 970.0753 |
| 2/12/2012 5:00 | 2.349425 | 270.3445 | 22.1244 | -16.96983 | 217.8163 | -187.8725 | 44.1275 | 59.99851 | 0 | 969.6853 |
| 2/12/2012 6:00 | 2.014443 | 266.6354 | 24.57584 | -17.75914 | 217.7403 | -187.9412 | 44.0588 | 64.16366 | 0 | 969.4263 |
| 2/12/2012 7:00 | 1.896787 | 263.2256 | 23.1888 | -18.35286 | 217.6564 | -187.8649 | 44.1351 | 64.97257 | 0 | 968.9374 |
| 2/12/2012 8:00 | 2.428172 | 266.5112 | 21.7207 | -18.2255 | 217.6556 | -188.1396 | 43.8604 | 63.72257 | 0 | 968.5336 |
| 2/12/2012 9:00 | 2.021579 | 277.2281 | 23.94559 | -17.37389 | 217.894 | -188.1778 | 43.8222 | 57.08184 | 0 | 968.1632 |
| 2/12/2012 10:00 | 2.090009 | 271.2056 | 26.77646 | -14.769 | 218.7551 | -188.7578 | 43.2422 | 47.04979 | 0 | 967.8086 |
| 2/12/2012 11:00 | 2.079455 | 268.7242 | 26.87374 | -11.88378 | 218.436 | -188.4983 | 43.5017 | 38.15173 | 0 | 967.4475 |
| 2/12/2012 12:00 | 2.670945 | 273.4329 | 27.41523 | -8.389353 | 219.8291 | -185.2703 | 46.7297 | 28.98811 | 0 | 966.7565 |
| 2/12/2012 13:00 | 2.914418 | 279.2443 | 25.52245 | -5.606461 | 219.7667 | -188.773 | 43.227 | 25.27321 | 0 | 965.6757 |
| 2/12/2012 14:00 | 2.886271 | 254.36 | 29.47022 | -4.323848 | 220.139 | -184.4385 | 47.5615 | 28.16546 | 0 | 964.9348 |
| 2/12/2012 15:00 | 2.423228 | 247.5886 | 29.44326 | -4.384887 | 219.8315 | -188.0252 | 43.9748 | 27.23903 | 0 | 964.3691 |
| 2/12/2012 16:00 | 2.585527 | 247.6212 | 27.81323 | -4.363453 | 219.6384 | -189.4522 | 42.5478 | 27.75338 | 0 | 963.8741 |
| 2/12/2012 17:00 | 2.29574 | 254.6152 | 26.40863 | -5.062722 | 219.2684 | -189.2767 | 42.7233 | 28.85075 | 0 | 963.2667 |
| 2/12/2012 18:00 | 1.770204 | 248.1619 | 24.0097 | -6.480385 | 218.9696 | -188.3075 | 43.6925 | 32.69538 | 0 | 962.8434 |
| 2/12/2012 19:00 | 1.633558 | 242.119 | 26.10055 | -7.603008 | 218.6453 | -188.2846 | 43.7154 | 34.15295 | 0 | 962.4089 |

| | | | | | | | | | | |
|-----------------|------------|----------|----------|-------------|----------|-----------|---------|----------|---|----------|
| 2/12/2012 20:00 | 1.291178 | 236.3433 | 27.17701 | -8.548325 | 218.3721 | -188.483 | 43.517 | 37.98995 | 0 | 962.0703 |
| 2/12/2012 21:00 | 1.813526 | 243.0448 | 27.46696 | -9.149329 | 218.4378 | -187.8191 | 44.1809 | 41.5507 | 0 | 961.7328 |
| 2/12/2012 22:00 | 1.984387 | 246.6473 | 26.56987 | -9.781077 | 218.4476 | -188.5059 | 43.4941 | 44.63372 | 0 | 961.3666 |
| 2/12/2012 23:00 | 2.368014 | 249.2797 | 24.17804 | -10.09683 | 218.4464 | -188.3915 | 43.6085 | 45.65937 | 0 | 960.6181 |
| 2/13/2012 0:00 | 2.132617 | 246.4589 | 28.82445 | -10.09512 | 218.457 | -188.5899 | 43.4101 | 46.1905 | 0 | 960.2115 |
| 2/13/2012 1:00 | 1.834147 | 235.7264 | 29.1593 | -11.25154 | 218.3221 | -188.2999 | 43.7001 | 50.68684 | 0 | 960.0635 |
| 2/13/2012 2:00 | 1.707872 | 245.6249 | 25.17078 | -11.90332 | 218.1459 | -188.0023 | 43.9977 | 53.65541 | 0 | 960.0313 |
| 2/13/2012 3:00 | 1.200623 | 229.2039 | 28.48053 | -12.65413 | 218.05 | -188.2159 | 43.7841 | 57.4283 | 0 | 959.514 |
| 2/13/2012 4:00 | 1.389299 | 228.8917 | 30.32084 | -12.88439 | 218.0343 | -188.422 | 43.578 | 60.89289 | 0 | 958.9359 |
| 2/13/2012 5:00 | 1.294416 | 227.5532 | 28.80311 | -12.92261 | 218.0146 | -187.7352 | 44.2648 | 62.6954 | 0 | 958.4281 |
| 2/13/2012 6:00 | 1.002275 | 219.256 | 26.65274 | -13.67088 | 217.9763 | -187.8802 | 44.1198 | 67.21463 | 0 | 958.0042 |
| 2/13/2012 7:00 | 0.7163553 | 213.4814 | 24.32874 | -14.5231 | 217.8215 | -188.2388 | 43.7612 | 71.06384 | 0 | 957.4366 |
| 2/13/2012 8:00 | 0.8676829 | 216.6152 | 25.32554 | -15.40771 | 217.9037 | -187.8115 | 44.1885 | 71.06078 | 0 | 957.0971 |
| 2/13/2012 9:00 | 0.5720048 | 206.3488 | 45.54387 | -13.9564 | 218.0572 | -188.3991 | 43.6009 | 62.65267 | 0 | 956.8941 |
| 2/13/2012 10:00 | 1.197757 | 229.3339 | 37.29306 | -10.23493 | 219.3702 | -189.3377 | 42.6623 | 52.47561 | 0 | 956.7344 |
| 2/13/2012 11:00 | 1.101202 | 232.8793 | 38.71238 | -7.757932 | 219.6823 | -188.4678 | 43.5322 | 46.80711 | 0 | 956.4129 |
| 2/13/2012 12:00 | 1.698299 | 249.9879 | 31.36609 | -5.500884 | 220.1101 | -187.6818 | 44.3182 | 42.24057 | 0 | 956.0809 |
| 2/13/2012 13:00 | 1.598612 | 233.8012 | 36.49807 | -2.83353 | 221.4607 | -188.8875 | 43.1125 | 38.59435 | 0 | 955.2911 |
| 2/13/2012 14:00 | 1.538608 | 237.4856 | 37.39991 | -0.7259408 | 220.2214 | -215.7419 | 16.2581 | 36.08824 | 0 | 954.6788 |
| 2/13/2012 15:00 | 1.687241 | 241.7822 | 37.97987 | 0.5568436 | 220.3941 | -193.1228 | 38.8772 | 38.78055 | 0 | 954.357 |
| 2/13/2012 16:00 | 2.534398 | 262.6976 | 25.22704 | -0.08070668 | 219.932 | -189.9559 | 42.0441 | 45.72958 | 0 | 954.0045 |
| 2/13/2012 17:00 | 1.696032 | 261.2643 | 25.33173 | -1.149735 | 219.7285 | -189.4599 | 42.5401 | 49.39563 | 0 | 953.8262 |
| 2/13/2012 18:00 | 0.593474 | 214.2221 | 16.10202 | -3.027404 | 218.9649 | -188.3152 | 43.6848 | 55.01377 | 0 | 953.7838 |
| 2/13/2012 19:00 | 0.9056139 | 205.34 | 14.3811 | -4.541043 | 218.6635 | -189.0783 | 42.9217 | 57.39625 | 0 | 953.7832 |
| 2/13/2012 20:00 | 1.114006 | 205.192 | 16.91341 | -5.311123 | 218.83 | -188.5746 | 43.4254 | 61.26225 | 0 | 953.5998 |
| 2/13/2012 21:00 | 1.240991 | 205.5693 | 15.16624 | -6.379282 | 218.8183 | -188.5822 | 43.4178 | 65.65176 | 0 | 953.3654 |
| 2/13/2012 22:00 | 1.16595 | 204.1809 | 11.21389 | -7.596433 | 218.7553 | -188.5136 | 43.4864 | 71.51714 | 0 | 953.3154 |
| 2/13/2012 23:00 | 1.110955 | 208.6596 | 10.90457 | -10.31132 | 218.8446 | -188.6128 | 43.3872 | 79.08277 | 0 | 953.4474 |
| 2/14/2012 0:00 | 1.130836 | 219.0983 | 17.53254 | -9.819013 | 218.5031 | -188.628 | 43.372 | 73.56537 | 0 | 953.3697 |
| 2/14/2012 1:00 | 0.7612729 | 246.6154 | 26.57582 | -10.88025 | 218.3825 | -187.4681 | 44.5319 | 87.47106 | 0 | 953.3348 |
| 2/14/2012 2:00 | 0.2896359 | 128.8452 | 12.18861 | -12.48426 | 218.2175 | -188.4525 | 43.5475 | 88.42954 | 0 | 953.5459 |
| 2/14/2012 3:00 | 0.3785476 | 145.7078 | 31.0112 | -13.68453 | 218.2448 | -188.0557 | 43.9443 | 90.61819 | 0 | 953.6631 |
| 2/14/2012 4:00 | 0.5317674 | 164.8773 | 45.23095 | -15.34755 | 218.1984 | -188.1091 | 43.8909 | 90.75403 | 0 | 953.6656 |
| 2/14/2012 5:00 | 0.1629309 | 120.8445 | 10.76535 | -16.48872 | 217.8987 | -187.7581 | 44.2419 | 89.9909 | 0 | 953.7751 |
| 2/14/2012 6:00 | 0.1481835 | 142.3888 | 1.333198 | -16.83147 | 217.7323 | -187.5368 | 44.4632 | 89.48418 | 0 | 953.5931 |
| 2/14/2012 7:00 | 0.3016156 | 153.7487 | 10.73853 | -17.45934 | 217.9054 | -187.7504 | 44.2496 | 85.02447 | 0 | 953.5877 |
| 2/14/2012 8:00 | 0.5405794 | 143.4896 | 10.15699 | -18.645 | 217.7348 | -187.8802 | 44.1198 | 84.45518 | 0 | 953.6965 |
| 2/14/2012 9:00 | 0.5184481 | 133.6275 | 21.60875 | -17.15541 | 217.9795 | -188.7807 | 43.2193 | 78.48448 | 0 | 954.0696 |
| 2/14/2012 10:00 | 0.782364 | 118.0436 | 16.34499 | -12.27438 | 220.7189 | -189.353 | 42.647 | 72.01165 | 0 | 954.2857 |
| 2/14/2012 11:00 | 1.184491 | 119.4128 | 15.76874 | -8.570465 | 219.164 | -187.1094 | 44.8906 | 64.13313 | 0 | 954.2249 |
| 2/14/2012 12:00 | 1.471097 | 127.3293 | 21.36868 | -3.959369 | 220.9776 | -188.0938 | 43.9062 | 59.13313 | 0 | 954.2336 |
| 2/14/2012 13:00 | 1.281668 | 145.1037 | 29.52821 | -0.6647517 | 221.9307 | -189.933 | 42.067 | 50.62274 | 0 | 954.1586 |
| 2/14/2012 14:00 | 0.9973654 | 120.071 | 39.55824 | -0.3936278 | 220.4595 | -190.8716 | 41.1284 | 55.82879 | 0 | 954.1024 |
| 2/14/2012 15:00 | 1.066105 | 144.6996 | 23.76409 | -0.3541937 | 220.2059 | -190.4443 | 41.5557 | 57.0391 | 0 | 954.2479 |
| 2/14/2012 16:00 | 0.7044727 | 138.105 | 31.01443 | -0.7064521 | 220.0344 | -189.7193 | 42.2807 | 57.76713 | 0 | 954.5069 |
| 2/14/2012 17:00 | 0.5654426 | 128.4585 | 14.50903 | -1.003765 | 219.8836 | -189.933 | 42.067 | 61.01041 | 0 | 954.7864 |
| 2/14/2012 18:00 | 0.5616344 | 157.9158 | 31.31374 | -1.614373 | 219.6517 | -189.0477 | 42.9523 | 64.67495 | 0 | 955.2221 |
| 2/14/2012 19:00 | 0.635384 | 178.1924 | 18.26209 | -1.798636 | 219.5639 | -189.9635 | 42.0365 | 65.62276 | 0 | 955.6186 |
| 2/14/2012 20:00 | 0.7510521 | 181.5087 | 30.24342 | -2.169287 | 219.5676 | -189.5819 | 42.4181 | 67.40542 | 0 | 955.8609 |
| 2/14/2012 21:00 | 1.377406 | 219.8672 | 34.54786 | -2.852169 | 219.5456 | -189.3225 | 42.6775 | 72.2238 | 0 | 956.2723 |
| 2/14/2012 22:00 | 0.8654959 | 213.5342 | 28.76291 | -3.708388 | 219.368 | -189.5056 | 42.4944 | 74.36055 | 0 | 956.4714 |
| 2/14/2012 23:00 | 0.7695423 | 195.1298 | 28.19064 | -3.989953 | 219.2409 | -189.0935 | 42.9065 | 75.08093 | 0 | 956.9501 |
| 2/15/2012 0:00 | 1.281914 | 251.543 | 27.73738 | -4.331076 | 219.2444 | -189.4751 | 42.5249 | 75.5785 | 0 | 957.5555 |
| 2/15/2012 1:00 | 0.5171268 | 208.4002 | 22.26209 | -4.523628 | 219.2956 | -189.1164 | 42.8836 | 76.35536 | 0 | 957.7608 |
| 2/15/2012 2:00 | 0.5066981 | 210.361 | 19.11879 | -4.38902 | 219.2219 | -189.3988 | 42.6012 | 76.4622 | 0 | 957.9919 |
| 2/15/2012 3:00 | 0.3612411 | 163.2964 | 13.58315 | -4.488827 | 219.291 | -188.8799 | 43.1201 | 79.86117 | 0 | 958.2499 |
| 2/15/2012 4:00 | 0.6343191 | 150.6664 | 8.305592 | -4.72137 | 219.2983 | -189.3988 | 42.6012 | 81.94297 | 0 | 958.4528 |
| 2/15/2012 5:00 | 0.8510513 | 139.5538 | 7.730947 | -4.80858 | 219.3228 | -189.2004 | 42.7996 | 82.91061 | 0 | 958.896 |
| 2/15/2012 6:00 | 0.9038049 | 138.6919 | 6.646693 | -5.551333 | 219.2882 | -189.3759 | 42.6241 | 86.40268 | 0 | 959.1937 |
| 2/15/2012 7:00 | 0.9061134 | 139.8127 | 8.020798 | -6.56326 | 219.1939 | -189.3835 | 42.6165 | 91.40879 | 0 | 959.2447 |
| 2/15/2012 8:00 | 0.9795707 | 141.1939 | 8.589584 | -6.931999 | 219.0379 | -189.0401 | 42.9599 | 86.71404 | 0 | 959.5679 |
| 2/15/2012 9:00 | 0.8387631 | 139.5199 | 8.871178 | -5.334675 | 219.1804 | -189.6735 | 42.3265 | 79.16518 | 0 | 959.7496 |
| 2/15/2012 10:00 | 1.052185 | 151.3473 | 16.09182 | -3.091607 | 219.6249 | -190.2688 | 41.7312 | 70.6075 | 0 | 959.9025 |
| 2/15/2012 11:00 | 1.118391 | 159.7087 | 22.91435 | -1.388767 | 220.0075 | -190.0856 | 41.9144 | 68.48753 | 0 | 960.1268 |
| 2/15/2012 12:00 | 1.308733 | 161.3873 | 28.34114 | 0.2248166 | 219.9113 | -189.0706 | 42.9294 | 56.93685 | 0 | 960.2282 |
| 2/15/2012 13:00 | 1.474017 | 184.1396 | 31.13958 | 2.056767 | 220.6227 | -188.8036 | 43.1964 | 58.51194 | 0 | 960.1124 |
| 2/15/2012 14:00 | 1.294511 | 212.8241 | 41.23361 | 1.803771 | 220.5842 | -190.0475 | 41.9525 | 69.58185 | 0 | 960.1424 |
| 2/15/2012 15:00 | 1.15864 | 196.2162 | 36.42282 | 0.9587264 | 220.4483 | -190.3145 | 41.6855 | 80.7006 | 0 | 960.2115 |
| 2/15/2012 16:00 | 1.015281 | 227.2481 | 32.03153 | -0.09540255 | 220.3637 | -189.9406 | 42.0594 | 88.42496 | 0 | 960.4991 |
| 2/15/2012 17:00 | 0.6351132 | 237.7862 | 21.36458 | -0.7317798 | 220.1534 | -190.0551 | 41.9449 | 93.18687 | 0 | 960.6399 |
| 2/15/2012 18:00 | 0.3254851 | 276.1675 | 20.46248 | -1.141715 | 220.2396 | -190.3069 | 41.6931 | 96.70947 | 0 | 960.9648 |
| 2/15/2012 19:00 | 0.07712355 | 251.0183 | 9.431321 | -1.399712 | 220.1475 | -190.4672 | 41.5328 | 96.83614 | 0 | 961.1087 |
| 2/15/2012 20:00 | 0.2345247 | 293.4936 | 9.556923 | -1.623387 | 219.1194 | -188.8951 | 43.1049 | 97.92284 | 0 | 961.1151 |
| 2/15/2012 21:00 | 0.3680177 | 262.7023 | 16.72551 | -1.678309 | 219.0753 | -187.201 | 44.799 | 97.65574 | 0 | 961.017 |

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|-----------------|-----------|----------|----------|-----------|----------|-----------|---------|----------|---|----------|
| 2/15/2012 22:00 | 0.396674 | 265.2379 | 11.72065 | -1.882007 | 216.9976 | -186.6973 | 45.3027 | 97.88926 | 0 | 961.1184 |
| 2/15/2012 23:00 | 1.216103 | 303.3568 | 12.14703 | -2.174538 | 216.9267 | -186.6515 | 45.3485 | 99.20031 | 0 | 961.0276 |
| 2/16/2012 0:00 | 1.689043 | 318.4345 | 15.16715 | -2.63137 | 217.8527 | -188.0938 | 43.9062 | 97.74731 | 0 | 960.8916 |
| 2/16/2012 1:00 | 1.58119 | 318.2698 | 13.87572 | -3.132663 | 207.7234 | -186.8652 | 45.1348 | 97.44512 | 0 | 961.0031 |
| 2/16/2012 2:00 | 2.921797 | 313.2542 | 10.60692 | -3.760738 | 217.3648 | -185.9495 | 46.0505 | 96.57821 | 0 | 961.0934 |
| 2/16/2012 3:00 | 2.546964 | 318.1608 | 15.1653 | -4.533089 | 218.5007 | -185.7129 | 46.2871 | 95.2 | 0 | 961.2263 |
| 2/16/2012 4:00 | 2.252389 | 319.1297 | 15.28196 | -5.081605 | 215.017 | -184.1866 | 47.8134 | 96.22106 | 0 | 961.4143 |
| 2/16/2012 5:00 | 3.150089 | 313.0552 | 11.58134 | -5.366209 | 214.629 | -185.1558 | 46.8442 | 94.79707 | 0 | 961.5043 |
| 2/16/2012 6:00 | 3.613547 | 311.2918 | 11.14202 | -5.914423 | 213.7146 | -183.683 | 48.317 | 93.39902 | 0 | 961.7489 |
| 2/16/2012 7:00 | 3.234102 | 313.0536 | 11.57232 | -6.560102 | 213.6193 | -183.1412 | 48.8588 | 93.32729 | 0 | 961.9964 |
| 2/16/2012 8:00 | 3.378658 | 308.6033 | 11.59551 | -7.276358 | 213.27 | -183.0343 | 48.9657 | 93.41276 | 0 | 962.4559 |
| 2/16/2012 9:00 | 2.785753 | 304.5616 | 11.92595 | -7.342082 | 213.2492 | -183.4998 | 48.5002 | 90.89444 | 0 | 962.8978 |
| 2/16/2012 10:00 | 3.289769 | 309.2228 | 12.16521 | -6.686637 | 213.39 | -183.538 | 48.462 | 86.77966 | 0 | 962.9838 |
| 2/16/2012 11:00 | 2.646983 | 312.0888 | 14.28042 | -6.080092 | 213.6965 | -183.7822 | 48.2178 | 86.65146 | 0 | 963.1891 |
| 2/16/2012 12:00 | 2.29888 | 319.5859 | 18.22763 | -6.115413 | 213.8405 | -183.8738 | 48.1262 | 86.76898 | 0 | 963.4203 |
| 2/16/2012 13:00 | 2.950784 | 305.5093 | 13.01247 | -6.235484 | 214.5012 | -184.4537 | 47.5463 | 86.03027 | 0 | 963.3745 |
| 2/16/2012 14:00 | 2.937927 | 314.4916 | 14.36517 | -5.870252 | 214.705 | -183.9653 | 48.0347 | 80.78912 | 0 | 963.2695 |
| 2/16/2012 15:00 | 2.704005 | 309.04 | 14.08527 | -5.880238 | 214.6259 | -184.4919 | 47.5081 | 84.32392 | 0 | 963.4654 |
| 2/16/2012 16:00 | 2.693806 | 305.1537 | 12.26267 | -6.172359 | 214.5825 | -184.4537 | 47.5463 | 83.8691 | 0 | 963.7627 |
| 2/16/2012 17:00 | 2.305318 | 309.1446 | 13.96584 | -6.604019 | 214.3708 | -184.2935 | 47.7065 | 87.93047 | 0 | 964.1656 |
| 2/16/2012 18:00 | 2.084795 | 313.6182 | 13.02408 | -7.046339 | 214.2962 | -183.744 | 48.256 | 90.63193 | 0 | 964.7283 |
| 2/16/2012 19:00 | 1.742925 | 317.2386 | 14.97617 | -7.490586 | 214.4997 | -184.9421 | 47.0579 | 90.74487 | 0 | 965.281 |
| 2/16/2012 20:00 | 1.341094 | 316.5127 | 12.1859 | -7.891416 | 214.4507 | -184.9269 | 47.0731 | 91.86819 | 0 | 965.4504 |
| 2/16/2012 21:00 | 1.679689 | 308.8773 | 10.33087 | -8.173442 | 214.4468 | -184.3774 | 47.6226 | 91.77662 | 0 | 965.6641 |
| 2/16/2012 22:00 | 1.131702 | 303.9196 | 8.766384 | -8.44588 | 214.3553 | -184.3927 | 47.6073 | 92.41459 | 0 | 965.6966 |
| 2/16/2012 23:00 | 1.30948 | 302.0311 | 10.78019 | -8.658689 | 214.3074 | -184.2172 | 47.7828 | 92.02539 | 0 | 965.744 |
| 2/17/2012 0:00 | 1.131151 | 315.7208 | 35.64633 | -8.85777 | 214.3488 | -184.2858 | 47.7142 | 92.45122 | 0 | 965.6437 |
| 2/17/2012 1:00 | 1.475225 | 303.416 | 10.67005 | -8.830417 | 214.9157 | -185.7358 | 46.2642 | 92.10934 | 0 | 965.9606 |
| 2/17/2012 2:00 | 1.098904 | 308.5489 | 12.51336 | -9.031785 | 216.5438 | -187.4376 | 44.5624 | 92.12307 | 0 | 966.0735 |
| 2/17/2012 3:00 | 1.237814 | 315.8981 | 11.44291 | -9.078911 | 216.4698 | -185.2474 | 46.7526 | 91.54462 | 0 | 966.2228 |
| 2/17/2012 4:00 | 0.8140473 | 328.7473 | 19.52589 | -9.238826 | 215.6897 | -185.7434 | 46.2566 | 91.64841 | 0 | 966.3198 |
| 2/17/2012 5:00 | 0.9441317 | 327.5257 | 15.16265 | -9.732636 | 215.4495 | -185.4305 | 46.5695 | 90.50677 | 0 | 966.6773 |
| 2/17/2012 6:00 | 0.7383777 | 332.4742 | 16.92527 | -10.11955 | 215.0264 | -185.255 | 46.745 | 90.07485 | 0 | 966.9941 |
| 2/17/2012 7:00 | 0.5649472 | 359.9792 | 21.02451 | -10.58039 | 214.6985 | -184.9498 | 47.0502 | 87.79615 | 0 | 967.5502 |
| 2/17/2012 8:00 | 0.491106 | 336.1052 | 17.65357 | -10.98245 | 214.5466 | -184.6903 | 47.3097 | 89.2232 | 0 | 967.9661 |
| 2/17/2012 9:00 | 0.9741054 | 321.5563 | 15.99515 | -10.65301 | 214.6485 | -184.5529 | 47.4471 | 86.92008 | 0 | 968.2899 |
| 2/17/2012 10:00 | 2.161601 | 315.8359 | 16.10519 | -10.09763 | 214.8526 | -185.2245 | 46.7755 | 78.21128 | 0 | 968.6141 |
| 2/17/2012 11:00 | 2.45769 | 318.418 | 17.44865 | -9.237329 | 215.2513 | -185.194 | 46.806 | 73.93625 | 0 | 968.835 |
| 2/17/2012 12:00 | 2.954029 | 309.3866 | 14.85542 | -9.069296 | 215.571 | -186.4531 | 45.5469 | 72.72136 | 0 | 968.9595 |
| 2/17/2012 13:00 | 3.100955 | 305.7853 | 13.35293 | -8.935211 | 215.8968 | -186.4531 | 45.5469 | 72.82056 | 0 | 968.7554 |
| 2/17/2012 14:00 | 2.868069 | 304.1143 | 16.23251 | -8.640409 | 216.1674 | -185.4305 | 46.5695 | 69.6719 | 0 | 968.6428 |
| 2/17/2012 15:00 | 2.898206 | 304.4781 | 15.59703 | -8.459821 | 215.543 | -185.3542 | 46.6458 | 73.16244 | 0 | 968.6002 |
| 2/17/2012 16:00 | 2.726146 | 304.7187 | 15.25963 | -8.577707 | 215.1711 | -184.8429 | 47.1571 | 71.6255 | 0 | 968.851 |
| 2/17/2012 17:00 | 2.31651 | 301.5379 | 13.26082 | -8.758554 | 214.6539 | -183.5227 | 48.4773 | 79.67344 | 0 | 969.0608 |
| 2/17/2012 18:00 | 1.869574 | 302.8149 | 10.70835 | -9.408409 | 214.2565 | -184.034 | 47.966 | 85.78608 | 0 | 969.2584 |
| 2/17/2012 19:00 | 1.085513 | 290.6757 | 10.99348 | -9.776198 | 214.1612 | -184.0874 | 47.9126 | 84.43992 | 0 | 969.2595 |
| 2/17/2012 20:00 | 2.296649 | 298.8825 | 11.62453 | -9.691662 | 214.205 | -184.1637 | 47.8363 | 77.56262 | 0 | 969.1439 |
| 2/17/2012 21:00 | 2.479638 | 302.6216 | 11.09748 | -9.978374 | 214.1869 | -184.0874 | 47.9126 | 81.50188 | 0 | 969.1883 |
| 2/17/2012 22:00 | 1.899433 | 308.5753 | 12.58281 | -10.25312 | 214.2383 | -184.2019 | 47.7981 | 82.11849 | 0 | 969.3135 |
| 2/17/2012 23:00 | 1.365302 | 307.4263 | 11.6384 | -10.57973 | 214.4166 | -184.53 | 47.47 | 84.72991 | 0 | 969.3083 |
| 2/18/2012 0:00 | 0.9179215 | 304.4273 | 11.11049 | -10.89147 | 214.7552 | -185.0871 | 46.9129 | 87.63741 | 0 | 969.2223 |
| 2/18/2012 1:00 | 0.309819 | 333.4691 | 30.17652 | -11.27595 | 215.2329 | -185.5526 | 46.4474 | 87.84804 | 0 | 969.196 |
| 2/18/2012 2:00 | 0.1131419 | 64.38267 | 10.87802 | -11.62665 | 215.0174 | -184.6827 | 47.3173 | 87.27264 | 0 | 969.1457 |
| 2/18/2012 3:00 | 0.2448511 | 113.7763 | 17.85256 | -11.95856 | 214.5477 | -184.5071 | 47.4929 | 89.73602 | 0 | 969.205 |
| 2/18/2012 4:00 | 0.3248468 | 138.144 | 13.50519 | -12.19131 | 214.5946 | -184.9498 | 47.0502 | 89.72381 | 0 | 969.1031 |
| 2/18/2012 5:00 | 0.5973423 | 122.8639 | 14.82842 | -12.15523 | 214.8737 | -185.0948 | 46.9052 | 88.91795 | 0 | 969.19 |
| 2/18/2012 6:00 | 0.6976583 | 138.7373 | 12.0088 | -12.27399 | 214.5427 | -184.0569 | 47.9431 | 89.02173 | 0 | 969.2496 |
| 2/18/2012 7:00 | 0.9028249 | 142.1836 | 7.635457 | -12.94414 | 213.8961 | -183.6601 | 48.3399 | 90.54951 | 0 | 968.962 |
| 2/18/2012 8:00 | 0.2645647 | 152.5035 | 11.70985 | -12.70083 | 213.8793 | -183.9501 | 48.0499 | 87.59469 | 0 | 969.3299 |
| 2/18/2012 9:00 | 0.9322651 | 232.8972 | 35.70834 | -10.89946 | 214.3473 | -184.3393 | 47.6607 | 83.93626 | 0 | 969.283 |
| 2/18/2012 10:00 | 1.366452 | 250.7404 | 32.41037 | -9.786705 | 214.8475 | -182.0423 | 49.9577 | 73.58674 | 0 | 969.4108 |
| 2/18/2012 11:00 | 1.632035 | 236.5895 | 31.73053 | -8.844571 | 214.4003 | -193.4052 | 38.5948 | 67.16579 | 0 | 969.2617 |
| 2/18/2012 12:00 | 1.464047 | 238.2007 | 37.1496 | -7.829403 | 216.3887 | -183.889 | 48.111 | 61.61024 | 0 | 968.7667 |
| 2/18/2012 13:00 | 1.182116 | 250.1882 | 41.76202 | -6.299075 | 216.7119 | -184.8887 | 47.1113 | 61.98112 | 0 | 968.5571 |
| 2/18/2012 14:00 | 1.381133 | 240.4722 | 41.07033 | -4.816387 | 216.0751 | -183.0343 | 48.9657 | 60.19082 | 0 | 967.9796 |
| 2/18/2012 15:00 | 1.594769 | 262.9185 | 34.03232 | -4.569802 | 217.6061 | -183.5838 | 48.4162 | 64.62 | 0 | 967.855 |
| 2/18/2012 16:00 | 1.373657 | 260.8247 | 33.25022 | -4.584711 | 216.0762 | -185.8197 | 46.1803 | 68.85688 | 0 | 968.0674 |
| 2/18/2012 17:00 | 0.3545839 | 187.5326 | 30.39865 | -4.103498 | 215.4881 | -185.5374 | 46.4626 | 71.41335 | 0 | 967.8356 |
| 2/18/2012 18:00 | 0.5419309 | 163.659 | 14.9093 | -4.881128 | 215.5218 | -185.2245 | 46.7755 | 78.4509 | 0 | 967.4457 |
| 2/18/2012 19:00 | 0.6924312 | 169.5007 | 10.78448 | -6.278568 | 215.6517 | -186.5752 | 45.4248 | 85.00616 | 0 | 967.2572 |
| 2/18/2012 20:00 | 0.7318078 | 183.8536 | 10.99601 | -7.533391 | 215.4178 | -184.9116 | 47.0884 | 85.84254 | 0 | 967.1292 |
| 2/18/2012 21:00 | 0.6861246 | 184.8895 | 9.571314 | -8.665433 | 215.5859 | -185.9495 | 46.0505 | 90.26257 | 0 | 966.9761 |
| 2/18/2012 22:00 | 0.9049307 | 187.0014 | 12.1015 | -9.350175 | 215.453 | -185.7129 | 46.2871 | 89.60629 | 0 | 966.9745 |
| 2/18/2012 23:00 | 0.939453 | 184.3983 | 12.48431 | -9.917354 | 215.3871 | -185.3771 | 46.6229 | 93.47686 | 0 | 966.8152 |

| | | | | | | | | | | |
|-----------------|-----------|----------|----------|------------|----------|-----------|---------|----------|---|----------|
| 2/19/2012 0:00 | 1.000506 | 182.5957 | 12.20816 | -10.47834 | 215.3231 | -184.9116 | 47.0884 | 92.76257 | 0 | 966.727 |
| 2/19/2012 1:00 | 1.060855 | 180.2915 | 12.61973 | -10.45537 | 215.4467 | -184.82 | 47.18 | 93.39749 | 0 | 966.7156 |
| 2/19/2012 2:00 | 0.9413409 | 185.8622 | 12.64183 | -10.50205 | 215.5832 | -186.2852 | 45.7148 | 95.6014 | 0 | 966.546 |
| 2/19/2012 3:00 | 0.7296218 | 188.8158 | 10.22727 | -11.0415 | 215.6156 | -185.0948 | 46.9052 | 95.84103 | 0 | 966.3915 |
| 2/19/2012 4:00 | 0.9421285 | 183.3949 | 9.34997 | -13.05914 | 215.5896 | -185.8884 | 46.1116 | 96.86651 | 0 | 966.2697 |
| 2/19/2012 5:00 | 0.7797634 | 181.9699 | 10.81125 | -14.43659 | 215.3963 | -185.9495 | 46.0505 | 89.98174 | 0 | 966.1625 |
| 2/19/2012 6:00 | 0.6998416 | 184.9201 | 12.7058 | -15.01452 | 215.4133 | -185.6671 | 46.3329 | 90.38161 | 0 | 965.939 |
| 2/19/2012 7:00 | 0.5626768 | 142.4288 | 12.7154 | -14.60425 | 215.4223 | -185.3008 | 46.6992 | 90.23052 | 0 | 965.9417 |
| 2/19/2012 8:00 | 0.7015797 | 117.7032 | 11.8971 | -14.81086 | 215.6262 | -185.5603 | 46.4397 | 89.65817 | 0 | 965.8994 |
| 2/19/2012 9:00 | 0.6112877 | 124.8125 | 13.07193 | -13.28127 | 215.8309 | -185.8961 | 46.1039 | 92.78852 | 0 | 965.9512 |
| 2/19/2012 10:00 | 0.7916031 | 177.9305 | 44.35033 | -6.930604 | 217.4268 | -183.2022 | 48.7978 | 80.86391 | 0 | 965.8436 |
| 2/19/2012 11:00 | 1.228726 | 115.4367 | 41.15887 | -3.053797 | 217.6536 | -185.69 | 46.31 | 69.62764 | 0 | 965.5364 |
| 2/19/2012 12:00 | 1.058432 | 202.9065 | 68.88062 | 0.05618124 | 219.0827 | -190.5893 | 41.4107 | 59.19723 | 0 | 965.2861 |
| 2/19/2012 13:00 | 1.346467 | 223.6228 | 46.86958 | 2.758736 | 217.8485 | -185.7816 | 46.2184 | 51.77201 | 0 | 965.0264 |
| 2/19/2012 14:00 | 1.524527 | 219.2943 | 42.0249 | 4.610228 | 218.2286 | -184.4461 | 47.5539 | 47.08031 | 0 | 964.4075 |
| 2/19/2012 15:00 | 1.695652 | 215.374 | 36.41055 | 5.141879 | 217.5137 | -188.5288 | 43.4712 | 46.27903 | 0 | 964.118 |
| 2/19/2012 16:00 | 1.545657 | 222.4198 | 34.23638 | 4.926923 | 216.3341 | -186.1402 | 45.8598 | 46.76285 | 0 | 964.041 |
| 2/19/2012 17:00 | 1.25412 | 209.4715 | 26.01362 | 3.764486 | 216.4229 | -186.041 | 45.959 | 52.09863 | 0 | 964.0819 |
| 2/19/2012 18:00 | 0.7513116 | 189.0496 | 13.11807 | 0.7114605 | 215.5508 | -185.5221 | 46.4779 | 62.31842 | 0 | 964.4053 |
| 2/19/2012 19:00 | 0.5971653 | 179.793 | 9.192431 | -2.287319 | 215.3132 | -185.2016 | 46.7984 | 76.58278 | 0 | 964.7263 |
| 2/19/2012 20:00 | 0.7309785 | 172.5915 | 12.34225 | -4.035534 | 215.0763 | -184.7666 | 47.2334 | 87.79005 | 0 | 964.8492 |
| 2/19/2012 21:00 | 0.6494403 | 175.865 | 8.422605 | -4.939484 | 215.0578 | -185.2092 | 46.7908 | 87.34743 | 0 | 964.9552 |
| 2/19/2012 22:00 | 0.8671381 | 164.0655 | 6.583078 | -6.61468 | 215.0448 | -185.4458 | 46.5542 | 90.12674 | 0 | 964.9473 |
| 2/19/2012 23:00 | 0.8080198 | 163.317 | 7.463531 | -6.488605 | 214.9557 | -184.4919 | 47.5081 | 87.3688 | 0 | 964.941 |
| 2/20/2012 0:00 | 0.852194 | 159.2958 | 6.59046 | -6.902578 | 215.1181 | -184.8048 | 47.1952 | 91.36605 | 0 | 965.075 |
| 2/20/2012 1:00 | 1.231333 | 149.641 | 6.564891 | -8.689894 | 214.9744 | -184.4614 | 47.5386 | 94.02936 | 0 | 964.9103 |
| 2/20/2012 2:00 | 1.063525 | 155.665 | 6.959131 | -7.443149 | 214.8661 | -185.3466 | 46.6534 | 89.65513 | 0 | 964.5504 |
| 2/20/2012 3:00 | 1.477659 | 153.7777 | 9.158278 | -6.350248 | 215.0342 | -185.3313 | 46.6687 | 86.31568 | 0 | 964.2698 |
| 2/20/2012 4:00 | 1.470244 | 154.3537 | 10.17111 | -5.445819 | 215.1302 | -185.049 | 46.951 | 84.43687 | 0 | 963.7361 |
| 2/20/2012 5:00 | 1.591018 | 155.8834 | 11.83912 | -4.594738 | 215.266 | -185.2321 | 46.7679 | 79.21708 | 0 | 963.4269 |
| 2/20/2012 6:00 | 1.515545 | 153.8555 | 12.24073 | -4.965477 | 215.3142 | -185.5984 | 46.4016 | 81.84224 | 0 | 963.116 |
| 2/20/2012 7:00 | 1.701061 | 153.1536 | 11.86702 | -4.73747 | 215.2777 | -185.1634 | 46.8366 | 80.16183 | 0 | 962.7365 |
| 2/20/2012 8:00 | 1.699156 | 154.3786 | 13.84443 | -4.774089 | 215.2273 | -185.3695 | 46.6305 | 77.73204 | 0 | 962.6837 |
| 2/20/2012 9:00 | 1.638301 | 156.4906 | 14.97416 | -3.963535 | 215.4618 | -186.0181 | 45.9819 | 70.82422 | 0 | 962.5488 |
| 2/20/2012 10:00 | 1.401644 | 157.9832 | 19.0428 | -2.273435 | 215.7299 | -185.4839 | 46.5161 | 69.26287 | 0 | 962.3813 |
| 2/20/2012 11:00 | 1.632747 | 158.0398 | 19.50453 | -0.8482909 | 215.8418 | -183.0572 | 48.9428 | 62.01469 | 0 | 961.8938 |
| 2/20/2012 12:00 | 1.745658 | 180.3556 | 30.51416 | 1.701107 | 216.3958 | -186.4913 | 45.5087 | 61.66671 | 0 | 961.4622 |
| 2/20/2012 13:00 | 1.339248 | 186.8779 | 26.0416 | 1.327841 | 216.4598 | -186.4226 | 45.5774 | 68.32574 | 0 | 961.2232 |
| 2/20/2012 14:00 | 1.433504 | 176.8684 | 26.71328 | 1.190599 | 216.3143 | -186.0563 | 45.9437 | 75.51134 | 0 | 960.7689 |
| 2/20/2012 15:00 | 1.358137 | 169.0667 | 26.51362 | 0.7051432 | 216.2045 | -186.0792 | 45.9208 | 79.29187 | 0 | 960.5141 |
| 2/20/2012 16:00 | 1.260425 | 164.6088 | 22.5248 | 0.5023521 | 216.2788 | -186.1021 | 45.8979 | 85.62887 | 0 | 960.2408 |
| 2/20/2012 17:00 | 1.183763 | 157.6287 | 18.09458 | 0.177093 | 216.0614 | -185.8503 | 46.1497 | 95.10232 | 0 | 960.0382 |
| 2/20/2012 18:00 | 0.9163547 | 153.7553 | 14.25109 | -0.2084606 | 215.7966 | -185.3619 | 46.6381 | 98.44482 | 0 | 959.8328 |
| 2/20/2012 19:00 | 0.9238253 | 150.4229 | 11.70866 | -0.4705833 | 216.3942 | -188.3075 | 43.6925 | 99.69176 | 0 | 959.6356 |
| 2/20/2012 20:00 | 0.9167845 | 149.2211 | 11.10844 | -0.4087923 | 216.9553 | -185.8274 | 46.1726 | 99.85354 | 0 | 959.2135 |
| 2/20/2012 21:00 | 0.9641209 | 149.8346 | 10.98321 | -0.3885472 | 217.0477 | -187.1781 | 44.8219 | 99.8917 | 0 | 958.8227 |
| 2/20/2012 22:00 | 0.974301 | 148.9973 | 13.20222 | -0.3415677 | 216.7506 | -181.9583 | 50.0417 | 99.58645 | 0 | 958.2346 |
| 2/20/2012 23:00 | 0.8872491 | 147.2247 | 11.34986 | -0.6021788 | 211.8257 | -181.6683 | 50.3317 | 98.38071 | 0 | 957.4091 |
| 2/21/2012 0:00 | 0.6189908 | 143.0162 | 9.341573 | -1.108706 | 211.7438 | -180.661 | 51.339 | 99.49487 | 0 | 956.7151 |
| 2/21/2012 1:00 | 0.6523591 | 138.1626 | 11.12594 | -0.9864298 | 211.5911 | -181.5538 | 50.4462 | 99.54829 | 0 | 956.0206 |
| 2/21/2012 2:00 | 0.8682862 | 107.5069 | 22.88115 | -0.8719609 | 211.0544 | -181.0655 | 50.9345 | 99.31326 | 0 | 955.0744 |
| 2/21/2012 3:00 | 1.169538 | 116.7767 | 20.54846 | -0.937005 | 210.2598 | -179.8979 | 52.1021 | 99.02326 | 0 | 953.8336 |
| 2/21/2012 4:00 | 1.095918 | 118.8751 | 20.22871 | -1.041134 | 209.3857 | -178.7761 | 53.2239 | 98.53792 | 0 | 952.839 |
| 2/21/2012 5:00 | 1.360322 | 115.9939 | 22.95699 | -1.215614 | 209.0311 | -179.0661 | 52.9339 | 98.30746 | 0 | 951.8818 |
| 2/21/2012 6:00 | 1.355198 | 115.1125 | 22.13249 | -1.425108 | 208.9895 | -178.715 | 53.285 | 98.32119 | 0 | 950.9597 |
| 2/21/2012 7:00 | 1.445286 | 113.3005 | 22.1012 | -1.653494 | 208.7123 | -178.7684 | 53.2316 | 98.24335 | 0 | 950.0295 |
| 2/21/2012 8:00 | 1.482212 | 115.1571 | 21.68452 | -1.792608 | 208.6306 | -178.2648 | 53.7352 | 96.99029 | 0 | 949.517 |
| 2/21/2012 9:00 | 1.407793 | 112.905 | 21.30735 | -1.504907 | 208.3528 | -178.1274 | 53.8726 | 94.15452 | 0 | 948.9797 |
| 2/21/2012 10:00 | 1.419609 | 116.6382 | 23.38496 | -1.011378 | 208.1525 | -178.1732 | 53.8268 | 89.67496 | 0 | 948.4796 |
| 2/21/2012 11:00 | 1.913783 | 96.25955 | 25.17377 | -0.883585 | 208.1242 | -178.1198 | 53.8802 | 90.76013 | 0 | 947.8633 |
| 2/21/2012 12:00 | 2.264005 | 87.64043 | 24.07723 | -0.7576836 | 207.9823 | -174.8689 | 57.1311 | 90.07942 | 0 | 947.2663 |
| 2/21/2012 13:00 | 2.228898 | 78.54001 | 23.58155 | -0.5350425 | 208.247 | -179.0508 | 52.9492 | 87.86941 | 0 | 946.4216 |
| 2/21/2012 14:00 | 1.853818 | 19.88836 | 35.00913 | -1.980386 | 207.8221 | -177.578 | 54.422 | 91.11727 | 0 | 946.0096 |
| 2/21/2012 15:00 | 1.831164 | 25.87908 | 32.00262 | -2.909327 | 207.7908 | -177.8145 | 54.1855 | 89.72076 | 0 | 945.7893 |
| 2/21/2012 16:00 | 1.876606 | 24.75506 | 33.16236 | -3.131884 | 207.3521 | -178.8225 | 55.1775 | 90.13131 | 0 | 945.8003 |
| 2/21/2012 17:00 | 2.122066 | 18.78401 | 30.91908 | -4.024984 | 206.8736 | -176.502 | 55.498 | 91.69572 | 0 | 945.9417 |
| 2/21/2012 18:00 | 1.906637 | 12.85708 | 32.95213 | -4.832335 | 208.0847 | -176.3112 | 55.6888 | 92.8862 | 0 | 946.2753 |
| 2/21/2012 19:00 | 1.703078 | 16.76238 | 32.89583 | -5.639049 | 207.5726 | -177.2956 | 54.7044 | 92.05592 | 0 | 946.4202 |
| 2/21/2012 20:00 | 1.690565 | 22.67788 | 32.55993 | -6.574928 | 206.5697 | -174.9986 | 57.0014 | 91.39658 | 0 | 946.5714 |
| 2/21/2012 21:00 | 1.313922 | 27.11126 | 34.77836 | -7.373256 | 206.94 | -177.143 | 54.857 | 90.53272 | 0 | 946.7591 |
| 2/21/2012 22:00 | 1.449172 | 37.66054 | 32.15249 | -8.166697 | 205.3263 | -175.2657 | 56.7343 | 88.83247 | 0 | 946.8588 |
| 2/21/2012 23:00 | 1.152333 | 33.84632 | 32.31205 | -8.855636 | 204.8467 | -174.6552 | 57.3448 | 89.7757 | 0 | 946.6635 |
| 2/22/2012 0:00 | 1.034837 | 27.38599 | 32.36295 | -9.368401 | 204.1544 | -173.8158 | 58.1842 | 88.24639 | 0 | 946.6298 |
| 2/22/2012 1:00 | 1.147743 | 15.07312 | 27.96835 | -9.834359 | 203.7408 | -173.8158 | 58.1842 | 89.64444 | 0 | 946.7484 |

| | | | | | | | | | | |
|-----------------|-----------|----------|----------|-----------|----------|-----------|---------|----------|---|----------|
| 2/22/2012 2:00 | 1.00154 | 21.92495 | 30.30397 | -10.38247 | 203.6662 | -173.5563 | 58.4437 | 88.64169 | 0 | 946.7919 |
| 2/22/2012 3:00 | 1.09559 | 8.449627 | 29.33275 | -11.11583 | 204.0567 | -174.3271 | 57.6729 | 87.31385 | 0 | 946.8215 |
| 2/22/2012 4:00 | 0.9123362 | 12.90689 | 28.40809 | -11.57037 | 204.0364 | -173.3731 | 58.6269 | 87.53668 | 0 | 946.7593 |
| 2/22/2012 5:00 | 0.8348187 | 5.907061 | 27.85251 | -11.98987 | 203.5226 | -173.2663 | 58.7337 | 88.98663 | 0 | 946.7646 |
| 2/22/2012 6:00 | 0.8627055 | 355.6041 | 24.1553 | -12.68098 | 203.4302 | -173.686 | 58.314 | 88.24029 | 0 | 946.7919 |
| 2/22/2012 7:00 | 0.7645118 | 37.84444 | 27.98086 | -12.61134 | 203.7313 | -173.8692 | 58.1308 | 85.09468 | 0 | 946.8299 |
| 2/22/2012 8:00 | 0.8115586 | 3.678977 | 24.61749 | -12.54046 | 203.8536 | -174.0294 | 57.9706 | 85.27783 | 0 | 947.2205 |
| 2/22/2012 9:00 | 0.9340685 | 27.71455 | 29.79431 | -12.41626 | 203.9753 | -174.1515 | 57.8485 | 80.29308 | 0 | 947.2131 |
| 2/22/2012 10:00 | 1.016514 | 36.84373 | 32.54285 | -11.66662 | 204.3739 | -174.7468 | 57.2532 | 75.15572 | 0 | 947.1539 |
| 2/22/2012 11:00 | 0.8031288 | 7.009192 | 49.92777 | -10.37417 | 204.8586 | -175.2047 | 56.7953 | 76.20579 | 0 | 947.0061 |
| 2/22/2012 12:00 | 1.37957 | 308.735 | 18.83233 | -9.857378 | 204.7226 | -172.5642 | 59.4358 | 76.47594 | 0 | 946.7229 |
| 2/22/2012 13:00 | 1.228041 | 329.8069 | 28.49059 | -8.668325 | 205.4282 | -177.0132 | 54.9868 | 72.439 | 0 | 946.4606 |
| 2/22/2012 14:00 | 1.108657 | 316.817 | 35.21432 | -7.74365 | 204.8993 | -176.5554 | 55.4446 | 73.16091 | 0 | 946.0637 |
| 2/22/2012 15:00 | 0.9353619 | 305.118 | 26.27498 | -7.017013 | 205.552 | -175.2047 | 56.7953 | 73.15176 | 0 | 945.8621 |
| 2/22/2012 16:00 | 0.7331952 | 31.91818 | 48.24799 | -6.889709 | 205.3767 | -175.3878 | 56.6122 | 76.71251 | 0 | 946.0776 |
| 2/22/2012 17:00 | 0.5665604 | 37.95008 | 28.47767 | -7.142121 | 205.2173 | -174.7239 | 57.2761 | 79.62765 | 0 | 946.2455 |
| 2/22/2012 18:00 | 0.340364 | 57.26978 | 18.14468 | -7.68049 | 205.0417 | -174.9375 | 57.0625 | 84.01714 | 0 | 946.7878 |
| 2/22/2012 19:00 | 0.1774058 | 59.34757 | 12.49754 | -8.064363 | 204.9498 | -175.0291 | 56.9709 | 85.86086 | 0 | 947.1307 |
| 2/22/2012 20:00 | 0.3326847 | 46.60177 | 17.9542 | -8.434699 | 204.8415 | -174.5484 | 57.4516 | 88.834 | 0 | 947.3905 |
| 2/22/2012 21:00 | 0.191073 | 49.23324 | 16.20345 | -8.898216 | 204.9238 | -174.8078 | 57.1922 | 91.87124 | 0 | 947.5214 |
| 2/22/2012 22:00 | 0.2545573 | 71.09747 | 9.541759 | -9.195905 | 205.0375 | -175.0902 | 56.9098 | 92.98999 | 0 | 947.6438 |
| 2/22/2012 23:00 | 0.6598019 | 81.4719 | 22.4611 | -9.402845 | 205.1404 | -175.2733 | 56.7267 | 91.46832 | 0 | 947.6464 |
| 2/23/2012 0:00 | 0.470495 | 112.1152 | 17.84626 | -9.352734 | 205.1441 | -175.0597 | 56.9403 | 91.36452 | 0 | 948.1586 |
| 2/23/2012 1:00 | 0.444605 | 101.7013 | 16.65886 | -9.272589 | 205.555 | -176.5935 | 55.4065 | 91.24395 | 0 | 948.7065 |
| 2/23/2012 2:00 | 0.291899 | 110.7844 | 15.69 | -9.239302 | 206.1987 | -176.8301 | 55.1699 | 90.88681 | 0 | 949.1151 |
| 2/23/2012 3:00 | 0.2306865 | 76.28957 | 12.56805 | -9.450403 | 204.8759 | -174.2965 | 57.7035 | 91.43321 | 0 | 949.4029 |
| 2/23/2012 4:00 | 0.3586307 | 85.56445 | 16.59857 | -10.50732 | 204.1895 | -173.9913 | 58.0087 | 91.26227 | 0 | 949.595 |
| 2/23/2012 5:00 | 0.489417 | 110.2888 | 17.13945 | -11.17911 | 203.9601 | -174.1515 | 57.8485 | 92.85262 | 0 | 949.9322 |
| 2/23/2012 6:00 | 0.5148194 | 118.5765 | 15.29094 | -11.25821 | 204.0009 | -174.0829 | 57.9171 | 91.25006 | 0 | 950.3096 |
| 2/23/2012 7:00 | 0.4094239 | 114.2881 | 13.53344 | -11.89669 | 203.9565 | -173.7929 | 58.2071 | 90.15116 | 0 | 950.9203 |
| 2/23/2012 8:00 | 0.5026446 | 120.9822 | 13.55306 | -12.29925 | 203.8456 | -174.1897 | 57.8103 | 87.79615 | 0 | 951.6823 |
| 2/23/2012 9:00 | 0.5678191 | 129.8187 | 13.83602 | -10.74952 | 204.4924 | -175.052 | 56.948 | 83.03729 | 0 | 952.4108 |
| 2/23/2012 10:00 | 0.8246827 | 125.6164 | 21.19972 | -8.842949 | 204.4635 | -172.5184 | 59.4816 | 77.56873 | 0 | 952.7966 |
| 2/23/2012 11:00 | 0.9483611 | 113.1049 | 22.23322 | -7.73308 | 205.0702 | -179.1424 | 52.8576 | 74.2766 | 0 | 953.1321 |
| 2/23/2012 12:00 | 0.6057613 | 132.4203 | 33.27048 | -5.200327 | 205.3334 | -187.3307 | 44.6693 | 69.07666 | 0 | 953.2224 |
| 2/23/2012 13:00 | 1.057884 | 120.3461 | 25.9803 | -4.296418 | 205.7601 | -174.9681 | 57.0319 | 68.41885 | 0 | 953.4153 |
| 2/23/2012 14:00 | 1.24262 | 123.0452 | 24.69106 | -3.566365 | 209.0187 | -176.2807 | 55.7193 | 68.62489 | 0 | 953.6086 |
| 2/23/2012 15:00 | 0.8050423 | 142.8445 | 35.47784 | -3.616593 | 205.8517 | -175.6625 | 56.3375 | 70.18166 | 0 | 954.0229 |
| 2/23/2012 16:00 | 0.7323509 | 159.6783 | 27.54252 | -3.766868 | 205.5744 | -175.571 | 56.429 | 73.83857 | 0 | 954.4006 |
| 2/23/2012 17:00 | 0.4978942 | 208.6971 | 61.8287 | -4.545332 | 205.4922 | -175.4031 | 56.5969 | 81.28668 | 0 | 954.8478 |
| 2/23/2012 18:00 | 0.1520981 | 325.3839 | 18.43822 | -5.314567 | 205.3083 | -175.1588 | 56.8412 | 87.87093 | 0 | 955.2195 |
| 2/23/2012 19:00 | 0.2721501 | 61.29096 | 43.41689 | -5.662356 | 205.1979 | -175.2123 | 56.7877 | 88.03424 | 0 | 955.5814 |
| 2/23/2012 20:00 | 0.1952601 | 95.95984 | 17.08305 | -5.803256 | 205.1888 | -175.2123 | 56.7877 | 89.01715 | 0 | 956.0122 |
| 2/23/2012 21:00 | 0.2415472 | 97.04272 | 38.25909 | -5.966098 | 205.2654 | -175.1817 | 56.8183 | 90.4091 | 0 | 956.2232 |
| 2/23/2012 22:00 | 0.1707874 | 142.5946 | 21.72037 | -6.150756 | 205.4674 | -175.3954 | 56.6046 | 91.12337 | 0 | 956.4432 |
| 2/23/2012 23:00 | 0.558225 | 134.4522 | 22.63063 | -6.346179 | 205.4505 | -175.4183 | 56.5817 | 91.62247 | 0 | 956.42 |
| 2/24/2012 0:00 | 0.6912385 | 134.92 | 17.76116 | -6.514823 | 205.5198 | -175.4565 | 56.5435 | 92.56264 | 0 | 956.5327 |
| 2/24/2012 1:00 | 0.7510886 | 121.5835 | 18.24092 | -6.625364 | 205.612 | -175.4259 | 56.5741 | 92.30622 | 0 | 956.5233 |
| 2/24/2012 2:00 | 0.5380734 | 89.03932 | 23.01779 | -6.775725 | 205.5785 | -175.6244 | 56.3756 | 93.08767 | 0 | 956.3625 |
| 2/24/2012 3:00 | 1.068279 | 110.8377 | 26.6251 | -7.061312 | 205.5755 | -174.9299 | 57.0701 | 92.73815 | 0 | 956.4167 |
| 2/24/2012 4:00 | 0.8886989 | 114.9971 | 23.55999 | -7.246951 | 205.678 | -175.5175 | 56.4825 | 92.74426 | 0 | 956.4854 |
| 2/24/2012 5:00 | 0.7972536 | 114.9979 | 21.7813 | -7.464399 | 205.7349 | -175.9449 | 56.0551 | 92.79158 | 0 | 956.7894 |
| 2/24/2012 6:00 | 0.9560594 | 101.8195 | 20.81424 | -7.786929 | 205.7985 | -175.7159 | 56.2841 | 92.92435 | 0 | 957.0255 |
| 2/24/2012 7:00 | 0.9614413 | 76.1656 | 21.3805 | -8.006244 | 205.9788 | -176.4638 | 55.5362 | 92.92283 | 0 | 957.4764 |
| 2/24/2012 8:00 | 0.7213852 | 88.42335 | 20.2066 | -7.881504 | 205.8994 | -175.0062 | 56.9938 | 88.7119 | 0 | 958.1102 |
| 2/24/2012 9:00 | 0.8317215 | 117.9323 | 24.40766 | -6.430779 | 205.1849 | -175.5557 | 56.4443 | 78.90572 | 0 | 958.4987 |
| 2/24/2012 10:00 | 0.8889147 | 121.2637 | 29.56178 | -4.745737 | 205.6896 | -176.0212 | 55.9788 | 75.83338 | 0 | 958.9528 |
| 2/24/2012 11:00 | 1.123094 | 45.44372 | 33.1077 | -5.058768 | 205.7576 | -173.7242 | 58.2758 | 72.97777 | 0 | 959.2627 |
| 2/24/2012 12:00 | 1.306404 | 20.75865 | 50.45462 | -4.593557 | 206.7039 | -176.0365 | 55.9635 | 69.67037 | 0 | 959.4015 |
| 2/24/2012 13:00 | 1.434039 | 358.2515 | 31.67227 | -4.536711 | 206.389 | -177.4711 | 54.5289 | 76.29889 | 0 | 959.5544 |
| 2/24/2012 14:00 | 1.539137 | 352.5872 | 27.08903 | -4.744794 | 206.4473 | -175.7007 | 56.2993 | 70.42739 | 0 | 960.1107 |
| 2/24/2012 15:00 | 1.508822 | 355.9828 | 25.894 | -4.927056 | 207.3075 | -177.5093 | 54.4907 | 73.67984 | 0 | 960.5858 |
| 2/24/2012 16:00 | 1.390108 | 348.7 | 24.57239 | -5.313237 | 207.4287 | -177.2574 | 54.7426 | 77.60841 | 0 | 961.3302 |
| 2/24/2012 17:00 | 1.735743 | 337.7009 | 23.81024 | -6.101211 | 207.576 | -177.2956 | 54.7044 | 86.05164 | 0 | 962.0414 |
| 2/24/2012 18:00 | 2.194019 | 341.9449 | 23.43313 | -7.085298 | 207.0815 | -177.0591 | 54.9409 | 84.16825 | 0 | 963.004 |
| 2/24/2012 19:00 | 1.973751 | 341.9333 | 22.65768 | -7.790188 | 205.7455 | -176.1662 | 55.8338 | 84.72839 | 0 | 963.9849 |
| 2/24/2012 20:00 | 1.916949 | 338.2282 | 22.77947 | -8.477053 | 206.2779 | -176.9446 | 55.0554 | 86.43778 | 0 | 964.7497 |
| 2/24/2012 21:00 | 1.968006 | 328.5371 | 19.08338 | -9.205645 | 206.103 | -175.2047 | 56.7953 | 89.1591 | 0 | 965.4897 |
| 2/24/2012 22:00 | 2.06362 | 332.9586 | 20.90876 | -9.968359 | 205.8241 | -176.2807 | 55.7193 | 87.77784 | 0 | 966.0334 |
| 2/24/2012 23:00 | 1.926548 | 332.9445 | 19.81966 | -10.83527 | 206.1072 | -176.7614 | 55.2386 | 87.24517 | 0 | 966.4985 |
| 2/25/2012 0:00 | 1.564263 | 327.2712 | 17.85809 | -11.377 | 207.0605 | -175.8838 | 56.1162 | 87.47106 | 0 | 966.8665 |
| 2/25/2012 1:00 | 2.035492 | 322.2129 | 15.8369 | -12.20449 | 204.632 | -173.2968 | 58.7032 | 86.14322 | 0 | 967.2861 |
| 2/25/2012 2:00 | 2.093624 | 319.6598 | 14.84818 | -13.01104 | 202.5929 | -172.6177 | 59.3823 | 85.65787 | 0 | 967.754 |
| 2/25/2012 3:00 | 1.657735 | 325.0844 | 17.5792 | -13.78452 | 202.4231 | -172.2742 | 59.7258 | 83.72105 | 0 | 967.9518 |

| | | | | | | | | | | |
|-----------------|-----------|-----------|----------|-----------|----------|-----------|---------|----------|-------|----------|
| 2/25/2012 4:00 | 1.741328 | 324.2885 | 16.85511 | -14.34494 | 202.4895 | -172.1445 | 59.8555 | 83.69663 | 0 | 968.2589 |
| 2/25/2012 5:00 | 1.159141 | 325.0208 | 17.34332 | -15.29075 | 202.4198 | -172.5795 | 59.4205 | 86.04858 | 0 | 968.6953 |
| 2/25/2012 6:00 | 1.893445 | 314.9242 | 8.86901 | -16.82787 | 202.4131 | -172.2971 | 59.7029 | 86.84834 | 0 | 969.4441 |
| 2/25/2012 7:00 | 1.073449 | 313.1151 | 9.728913 | -18.86932 | 202.2367 | -172.1827 | 59.8173 | 88.22808 | 0 | 969.9717 |
| 2/25/2012 8:00 | 1.243676 | 320.1373 | 9.951632 | -19.91776 | 202.1562 | -172.8008 | 59.1992 | 84.7177 | 0 | 970.2078 |
| 2/25/2012 9:00 | 1.671104 | 314.3539 | 10.80214 | -19.02873 | 202.5688 | -172.7016 | 59.2984 | 82.12612 | 0 | 970.9272 |
| 2/25/2012 10:00 | 1.215722 | 306.3598 | 15.58769 | -16.72365 | 203.7266 | -194.7407 | 37.2593 | 72.63436 | 0 | 971.6693 |
| 2/25/2012 11:00 | 2.137385 | 305.6807 | 14.87628 | -15.16102 | 203.5944 | -167.7031 | 64.2969 | 66.5675 | 0 | 972.1334 |
| 2/25/2012 12:00 | 2.349708 | 322.4048 | 21.32376 | -13.90909 | 204.018 | -172.5261 | 59.4739 | 63.15175 | 0 | 972.037 |
| 2/25/2012 13:00 | 1.728066 | 316.9391 | 25.66252 | -13.09502 | 205.6948 | -171.1753 | 60.8247 | 60.45181 | 0 | 971.5405 |
| 2/25/2012 14:00 | 1.660276 | 316.2245 | 30.1236 | -12.45756 | 206.3335 | -171.5264 | 60.4736 | 57.34436 | 0 | 971.5975 |
| 2/25/2012 15:00 | 1.11352 | 327.0483 | 32.37647 | -11.93972 | 204.5719 | -182.2788 | 49.7212 | 60.69601 | 0 | 971.6068 |
| 2/25/2012 16:00 | 0.9560893 | 319.2878 | 35.35029 | -11.45789 | 205.0436 | -174.3194 | 57.6806 | 59.75889 | 0 | 971.8078 |
| 2/25/2012 17:00 | 1.066613 | 303.1391 | 23.96019 | -12.51817 | 204.656 | -174.7849 | 57.2151 | 69.38191 | 0 | 972.1397 |
| 2/25/2012 18:00 | 1.070472 | 301.3204 | 10.58055 | -14.40714 | 204.2586 | -173.831 | 58.169 | 81.73235 | 0 | 972.6047 |
| 2/25/2012 19:00 | 0.8691833 | 304.9839 | 8.076968 | -16.65222 | 203.591 | -173.5563 | 58.4437 | 89.36361 | 0 | 973.1254 |
| 2/25/2012 20:00 | 0.1921895 | 4.26885 | 13.32836 | -18.04486 | 203.4277 | -173.4953 | 58.5047 | 87.40085 | 0 | 973.0731 |
| 2/25/2012 21:00 | 0.138816 | 10.28568 | 9.997139 | -19.53482 | 203.4485 | -173.0297 | 58.9703 | 87.8282 | 0 | 973.2817 |
| 2/25/2012 22:00 | 0.3752276 | 40.18568 | 21.12546 | -20.68451 | 203.3786 | -173.19 | 58.81 | 87.02998 | 0 | 973.4654 |
| 2/25/2012 23:00 | 0.3795429 | 80.96801 | 15.46876 | -20.8946 | 203.5433 | -173.106 | 58.894 | 85.53577 | 0 | 973.9897 |
| 2/26/2012 0:00 | 0.1236556 | 88.61685 | 16.20734 | -22.22241 | 203.4575 | -173.1595 | 58.8405 | 78.2357 | 0 | 974.7075 |
| 2/26/2012 1:00 | 0.3931064 | 348.2458 | 10.61705 | -24.4922 | 203.1783 | -172.6634 | 59.3366 | 84.6307 | 0 | 974.9578 |
| 2/26/2012 2:00 | 0.1715192 | 79.03596 | 8.552534 | -23.85251 | 203.0389 | -172.8848 | 59.1152 | 82.0666 | 0 | 974.9322 |
| 2/26/2012 3:00 | 0.4049155 | 88.32111 | 11.84851 | -22.97669 | 203.3405 | -173.3121 | 58.6879 | 81.27905 | 0 | 974.9266 |
| 2/26/2012 4:00 | 0.5785388 | 91.93643 | 11.04896 | -23.01309 | 203.4199 | -174.1363 | 57.8637 | 81.50646 | 0 | 974.9075 |
| 2/26/2012 5:00 | 0.6151175 | 85.14278 | 17.14913 | -22.7166 | 203.5117 | -173.5639 | 58.4361 | 83.31355 | 0 | 974.4521 |
| 2/26/2012 6:00 | 0.3533548 | 92.14258 | 14.77442 | -21.88236 | 203.6906 | -173.8997 | 58.1003 | 82.65267 | 0 | 974.0764 |
| 2/26/2012 7:00 | 0.8039275 | 98.92601 | 19.59171 | -21.50186 | 203.9212 | -173.976 | 58.024 | 84.2766 | 0 | 973.7125 |
| 2/26/2012 8:00 | 1.240883 | 101.9219 | 19.90435 | -19.85708 | 204.09 | -174.472 | 57.528 | 80.77234 | 0 | 973.5833 |
| 2/26/2012 9:00 | 1.524859 | 118.4852 | 21.6093 | -18.00361 | 204.5969 | -174.5102 | 57.4898 | 78.08461 | 0.254 | 973.3544 |
| 2/26/2012 10:00 | 1.892292 | 102.7635 | 27.08942 | -16.53852 | 205.1513 | -174.1058 | 57.8942 | 72.60689 | 0.254 | 973.3376 |
| 2/26/2012 11:00 | 2.248177 | 105.0845 | 26.45306 | -14.59044 | 204.4981 | -173.4724 | 58.5276 | 61.54155 | 1.524 | 973.3315 |
| 2/26/2012 12:00 | 2.652328 | 70.01999 | 28.23461 | -13.16508 | 205.7962 | -172.9229 | 59.0771 | 58.38068 | 0 | 972.572 |
| 2/26/2012 13:00 | 2.420356 | 73.02775 | 33.94294 | -11.31063 | 206.3436 | -175.7923 | 56.2077 | 54.11633 | 0 | 972.1575 |
| 2/26/2012 14:00 | 2.259564 | 44.84536 | 31.44946 | -10.69791 | 206.5724 | -179.4934 | 52.5066 | 52.77476 | 0 | 971.6697 |
| 2/26/2012 15:00 | 2.387208 | 64.43465 | 26.14856 | -10.59613 | 206.9974 | -173.2434 | 58.7566 | 50.91273 | 0 | 971.4468 |
| 2/26/2012 16:00 | 2.346515 | 63.56564 | 27.43981 | -10.29321 | 206.4876 | -181.737 | 50.263 | 51.21951 | 0 | 971.2874 |
| 2/26/2012 17:00 | 2.005043 | 69.24876 | 24.15036 | -10.69096 | 206.263 | -175.8457 | 56.1543 | 55.84253 | 0 | 971.5475 |
| 2/26/2012 18:00 | 1.702402 | 57.05545 | 28.94202 | -11.93912 | 205.712 | -175.4565 | 56.5435 | 63.22044 | 0 | 971.8525 |
| 2/26/2012 19:00 | 1.789605 | 45.85638 | 32.19972 | -13.047 | 205.54 | -175.5175 | 56.4825 | 63.86146 | 0 | 971.9607 |
| 2/26/2012 20:00 | 1.395832 | 58.26772 | 27.71474 | -14.06858 | 205.4921 | -175.1131 | 56.8869 | 66.67739 | 0 | 972.1337 |
| 2/26/2012 21:00 | 1.280955 | 66.06101 | 27.80251 | -14.85515 | 205.3526 | -175.5786 | 56.4214 | 68.0556 | 0 | 972.1121 |
| 2/26/2012 22:00 | 1.036759 | 57.86163 | 26.11491 | -15.44238 | 205.3231 | -175.2962 | 56.7038 | 72.38406 | 0 | 972.0681 |
| 2/26/2012 23:00 | 0.8646136 | 40.25983 | 21.07546 | -16.75089 | 204.9869 | -174.5865 | 57.4135 | 75.96006 | 0 | 972.1299 |
| 2/27/2012 0:00 | 0.8690329 | 29.3574 | 20.6625 | -17.55287 | 205.0617 | -175.3573 | 56.6427 | 78.70579 | 0 | 972.1793 |
| 2/27/2012 1:00 | 0.8393522 | 0.6441291 | 18.64571 | -18.82513 | 205.1076 | -175.2428 | 56.7572 | 81.4271 | 0 | 972.4363 |
| 2/27/2012 2:00 | 0.8988012 | 8.366278 | 22.59089 | -19.54542 | 204.9582 | -174.8994 | 57.1006 | 79.52233 | 0 | 972.5821 |
| 2/27/2012 3:00 | 0.7908818 | 337.6152 | 24.04234 | -19.89673 | 205.0278 | -175.0902 | 56.9098 | 82.84956 | 0 | 972.8448 |
| 2/27/2012 4:00 | 1.097118 | 320.6239 | 6.307084 | -21.18056 | 205.0731 | -175.2657 | 56.7343 | 86.39658 | 0 | 973.3072 |
| 2/27/2012 5:00 | 1.176606 | 318.7411 | 5.92059 | -22.45412 | 204.8291 | -175.0444 | 56.9556 | 87.81599 | 0 | 974.0257 |
| 2/27/2012 6:00 | 0.9163823 | 324.3271 | 11.70896 | -23.03617 | 204.6637 | -174.9299 | 57.0701 | 80.12368 | 0 | 974.6822 |
| 2/27/2012 7:00 | 0.9514894 | 310.9471 | 6.154093 | -23.88807 | 204.4514 | -174.7773 | 57.2227 | 79.19418 | 0 | 975.1411 |
| 2/27/2012 8:00 | 0.725116 | 315.5951 | 6.536179 | -24.58383 | 204.4214 | -175.1512 | 56.8488 | 80.57087 | 0 | 975.4182 |
| 2/27/2012 9:00 | 0.9394293 | 318.483 | 36.70994 | -22.44335 | 205.1843 | -175.9373 | 56.0627 | 70.37245 | 0.254 | 976.0366 |
| 2/27/2012 10:00 | 0.5659717 | 138.6689 | 16.98638 | -17.29271 | 205.8404 | -185.5374 | 46.4626 | 54.0507 | 0 | 976.3051 |
| 2/27/2012 11:00 | 0.6322625 | 312.6866 | 35.12722 | -14.92498 | 206.0317 | -172.5261 | 59.4739 | 51.12488 | 0 | 976.1371 |
| 2/27/2012 12:00 | 0.7288723 | 317.5944 | 58.02574 | -11.96476 | 209.9109 | -172.5337 | 59.4663 | 47.25888 | 0 | 976.0252 |
| 2/27/2012 13:00 | 1.625523 | 300.5268 | 39.62636 | -11.55603 | 208.2114 | -176.3112 | 55.6888 | 43.57603 | 0 | 976.1518 |
| 2/27/2012 14:00 | 1.305221 | 297.7386 | 40.19414 | -9.909095 | 208.8609 | -180.9892 | 51.0108 | 42.27719 | 0 | 975.8708 |
| 2/27/2012 15:00 | 1.206544 | 272.9633 | 56.87696 | -8.574964 | 208.8755 | -173.8692 | 58.1308 | 44.85962 | 0 | 975.4046 |
| 2/27/2012 16:00 | 1.42328 | 245.1848 | 33.37617 | -8.073036 | 207.2451 | -186.0868 | 45.9132 | 43.20515 | 0.254 | 975.403 |
| 2/27/2012 17:00 | 0.8819329 | 229.0791 | 45.65646 | -8.984006 | 207.4529 | -176.6775 | 55.3225 | 53.06932 | 0 | 975.4812 |
| 2/27/2012 18:00 | 0.696024 | 209.7803 | 21.77418 | -11.01977 | 206.2998 | -176.4867 | 55.5133 | 63.5791 | 0 | 975.8438 |
| 2/27/2012 19:00 | 0.7231237 | 211.6068 | 21.34525 | -13.47799 | 205.9691 | -176.3493 | 55.6507 | 72.34589 | 0 | 975.8593 |
| 2/27/2012 20:00 | 0.6283503 | 173.6368 | 17.40593 | -16.27517 | 206.1281 | -175.9373 | 56.0627 | 83.72105 | 0 | 975.4246 |
| 2/27/2012 21:00 | 0.8789427 | 162.435 | 6.951492 | -18.88921 | 205.8406 | -176.0975 | 55.9025 | 88.63254 | 0 | 975.0207 |
| 2/27/2012 22:00 | 0.4521888 | 171.8835 | 10.37237 | -18.59494 | 205.7647 | -175.9296 | 56.0704 | 85.69298 | 0 | 974.8276 |
| 2/27/2012 23:00 | 0.5564634 | 178.0408 | 7.415571 | -19.4494 | 205.9342 | -176.1204 | 55.8796 | 81.2058 | 0 | 974.8132 |
| 2/28/2012 0:00 | 0.7769595 | 189.0049 | 8.904696 | -20.6225 | 205.9963 | -175.8762 | 56.1238 | 82.1948 | 0 | 974.7365 |
| 2/28/2012 1:00 | 0.6506967 | 193.9363 | 11.68416 | -21.22756 | 205.7027 | -175.548 | 56.452 | 84.88863 | 0 | 974.7231 |
| 2/28/2012 2:00 | 0.7604006 | 170.5059 | 10.86664 | -22.1441 | 205.676 | -175.571 | 56.429 | 79.33155 | 0 | 974.3953 |
| 2/28/2012 3:00 | 0.6937696 | 163.5743 | 7.499932 | -23.23043 | 205.4634 | -174.8078 | 57.1922 | 78.89352 | 0 | 974.1148 |
| 2/28/2012 4:00 | 0.3774115 | 161.8872 | 18.06536 | -23.68664 | 205.3249 | -175.0444 | 56.9556 | 79.08887 | 0 | 974.0414 |
| 2/28/2012 5:00 | 0.3728128 | 128.3494 | 12.2641 | -23.59687 | 205.1956 | -174.7773 | 57.2227 | 80.16031 | 0 | 973.916 |

| | | | | | | | | | | |
|-----------------|------------|----------|----------|------------|----------|-----------|---------|----------|-------|----------|
| 2/28/2012 6:00 | 0.522664 | 142.8718 | 10.69022 | -23.76074 | 205.2314 | -175.0291 | 56.9709 | 80.56018 | 0 | 973.791 |
| 2/28/2012 7:00 | 0.5848426 | 156.1425 | 7.560038 | -24.54438 | 205.1945 | -175.2657 | 56.7343 | 79.49334 | 0 | 973.5018 |
| 2/28/2012 8:00 | 0.8171529 | 162.728 | 9.04344 | -23.22005 | 205.3878 | -175.8075 | 56.1925 | 84.11941 | 0.254 | 973.1808 |
| 2/28/2012 9:00 | 0.828031 | 135.3286 | 11.90303 | -19.24442 | 205.971 | -176.4943 | 55.5057 | 82.66336 | 0.254 | 973.2808 |
| 2/28/2012 10:00 | 0.914364 | 118.3022 | 24.24399 | -15.85937 | 206.5568 | -180.4702 | 51.5298 | 78.29523 | 0 | 973.0597 |
| 2/28/2012 11:00 | 0.8712314 | 125.6922 | 49.33335 | -12.53781 | 207.3121 | -181.2257 | 50.7743 | 55.72958 | 0 | 972.5636 |
| 2/28/2012 12:00 | 1.210429 | 291.4571 | 53.44748 | -9.41808 | 207.3622 | -171.8392 | 60.1608 | 56.41029 | 0 | 972.234 |
| 2/28/2012 13:00 | 1.069276 | 320.2474 | 36.07697 | -7.06636 | 209.5073 | -193.6189 | 38.3811 | 49.04002 | 0 | 971.7296 |
| 2/28/2012 14:00 | 1.152399 | 332.231 | 37.47343 | -5.438353 | 211.4076 | -176.2578 | 55.7422 | 45.08855 | 0 | 971.3086 |
| 2/28/2012 15:00 | 1.173804 | 318.3755 | 63.74068 | -4.031531 | 208.5556 | -176.1051 | 55.8949 | 46.19203 | 0 | 971.0701 |
| 2/28/2012 16:00 | 0.8160722 | 320.8205 | 44.54424 | -3.025928 | 207.5943 | -176.853 | 55.147 | 43.57603 | 0 | 971.1669 |
| 2/28/2012 17:00 | 0.4337441 | 32.11889 | 32.31851 | -3.703802 | 208.4654 | -177.9901 | 54.0099 | 46.35534 | 0 | 971.1269 |
| 2/28/2012 18:00 | 0.2190278 | 44.04159 | 12.40638 | -6.04459 | 207.4241 | -177.288 | 54.712 | 58.79583 | 0 | 970.9459 |
| 2/28/2012 19:00 | 0.3054905 | 67.76685 | 18.48134 | -8.958982 | 206.9741 | -176.5859 | 55.4141 | 69.23997 | 0 | 970.7474 |
| 2/28/2012 20:00 | 0.4184336 | 64.83221 | 33.68665 | -10.96379 | 206.5697 | -176.8225 | 55.1775 | 77.28637 | 0 | 970.2617 |
| 2/28/2012 21:00 | 0.5755406 | 136.5826 | 21.44438 | -12.05738 | 206.793 | -176.5249 | 55.4751 | 82.37185 | 0 | 970.4023 |
| 2/28/2012 22:00 | 0.8681452 | 152.619 | 5.594913 | -14.04098 | 206.5491 | -176.3035 | 55.6965 | 84.58339 | 0 | 970.6464 |
| 2/28/2012 23:00 | 0.3861889 | 112.1472 | 37.44717 | -14.52652 | 206.3339 | -176.3341 | 55.6659 | 89.80317 | 0 | 970.6293 |
| 2/29/2012 0:00 | 0.5127053 | 78.40437 | 21.2729 | -14.5957 | 206.3398 | -176.4028 | 55.5972 | 86.81782 | 0 | 970.0655 |
| 2/29/2012 1:00 | 0.5437801 | 95.81441 | 15.93001 | -14.9135 | 206.4007 | -176.4867 | 55.5133 | 89.17436 | 0 | 969.767 |
| 2/29/2012 2:00 | 0.8085251 | 87.86053 | 15.25737 | -15.31158 | 206.3049 | -175.8838 | 56.1162 | 91.1478 | 0 | 969.1815 |
| 2/29/2012 3:00 | 0.7019194 | 86.00617 | 14.44465 | -15.53523 | 206.2213 | -176.2807 | 55.7193 | 90.52814 | 0 | 968.3083 |
| 2/29/2012 4:00 | 0.6403774 | 81.9101 | 28.06539 | -15.68318 | 206.3045 | -176.3951 | 55.6049 | 88.61422 | 0 | 967.5413 |
| 2/29/2012 5:00 | 0.6021379 | 68.85394 | 19.55298 | -15.7298 | 206.2307 | -175.5175 | 56.4825 | 87.68778 | 0 | 966.8944 |
| 2/29/2012 6:00 | 0.9519488 | 102.8049 | 22.32986 | -16.17912 | 206.4479 | -176.7614 | 55.2386 | 90.52203 | 0 | 966.7065 |
| 2/29/2012 7:00 | 0.7745627 | 77.86963 | 21.50967 | -15.88735 | 206.3338 | -176.7919 | 55.2081 | 90.21221 | 0 | 966.446 |
| 2/29/2012 8:00 | 0.7164624 | 91.23642 | 47.82595 | -16.14779 | 206.354 | -176.8148 | 55.1852 | 86.27905 | 0 | 966.4034 |
| 2/29/2012 9:00 | 1.051681 | 135.263 | 15.13241 | -13.78377 | 206.851 | -176.9827 | 55.0173 | 91.57362 | 0 | 966.3771 |
| 2/29/2012 10:00 | 1.010674 | 131.1064 | 21.83923 | -10.30545 | 207.3977 | -172.6787 | 59.3213 | 87.53974 | 0 | 966.0304 |
| 2/29/2012 11:00 | 1.835092 | 130.3277 | 21.02569 | -6.538558 | 208.632 | -177.204 | 54.796 | 73.45396 | 0 | 965.6326 |
| 2/29/2012 12:00 | 2.053667 | 126.2724 | 23.71751 | -3.362776 | 209.5266 | -176.9522 | 55.0478 | 61.84222 | 0 | 964.9828 |
| 2/29/2012 13:00 | 1.803609 | 123.8389 | 22.81028 | -1.478114 | 210.8142 | -179.4629 | 52.5371 | 55.67006 | 0 | 964.2712 |
| 2/29/2012 14:00 | 1.646615 | 116.3574 | 38.05093 | 0.417354 | 210.2977 | -196.183 | 35.817 | 53.74698 | 0 | 963.118 |
| 2/29/2012 15:00 | 2.220796 | 94.82222 | 32.32426 | 0.5433919 | 211.1391 | -178.2953 | 53.7047 | 50.64869 | 0 | 961.9744 |
| 2/29/2012 16:00 | 2.175174 | 75.69328 | 29.8526 | 0.7555823 | 209.7613 | -183.5304 | 48.4696 | 49.3529 | 0 | 961.3771 |
| 2/29/2012 17:00 | 1.625127 | 91.78392 | 26.181 | 0.02791107 | 209.0459 | -178.4785 | 53.5215 | 54.0156 | 0 | 961.0206 |
| 2/29/2012 18:00 | 1.405228 | 83.75175 | 18.18171 | -1.580853 | 208.4184 | -177.9824 | 54.0176 | 58.37 | 0 | 960.8949 |
| 2/29/2012 19:00 | 0.9604331 | 59.32708 | 17.84579 | -3.125491 | 207.7689 | -177.7535 | 54.2465 | 63.90725 | 0 | 960.9658 |
| 2/29/2012 20:00 | 0.6319215 | 77.91422 | 17.07125 | -5.297719 | 207.6127 | -177.4711 | 54.5289 | 77.22227 | 0 | 961.0999 |
| 2/29/2012 21:00 | 0.7799622 | 88.46342 | 12.56354 | -7.167393 | 207.5181 | -177.288 | 54.712 | 83.36086 | 0 | 960.9825 |
| 2/29/2012 22:00 | 0.7452384 | 92.65787 | 16.59465 | -8.292044 | 207.4118 | -177.3109 | 54.6891 | 85.63039 | 0 | 961.1016 |
| 2/29/2012 23:00 | 0.4795318 | 104.3942 | 15.57198 | -9.413157 | 207.3722 | -177.0514 | 54.9486 | 93.98663 | 0 | 961.1073 |
| 3/1/2012 0:00 | 0.4836867 | 134.3571 | 19.43422 | -10.0898 | 207.3077 | -177.6848 | 54.3152 | 91.01807 | 0 | 960.9731 |
| 3/1/2012 1:00 | 0.4248154 | 145.4973 | 4.562563 | -10.64939 | 207.445 | -177.4711 | 54.5289 | 84.881 | 0 | 961.0088 |
| 3/1/2012 2:00 | 0.2777627 | 2.211429 | 29.73436 | -13.41438 | 207.1033 | -176.8683 | 55.1317 | 93.892 | 0 | 961.2825 |
| 3/1/2012 3:00 | 0.3120234 | 78.24648 | 12.08225 | -13.02003 | 207.0777 | -176.6775 | 55.3225 | 91.79799 | 0 | 960.7587 |
| 3/1/2012 4:00 | 0.386414 | 138.1314 | 52.30145 | -14.27287 | 207.1272 | -177.3643 | 54.6357 | 86.76592 | 0 | 960.487 |
| 3/1/2012 5:00 | 0.5203864 | 320.652 | 5.775933 | -16.22322 | 206.9026 | -177.2803 | 54.7197 | 90.03364 | 0 | 960.5056 |
| 3/1/2012 6:00 | 0.3173841 | 328.3247 | 9.034609 | -16.87015 | 206.649 | -176.5478 | 55.4522 | 89.23083 | 0 | 960.6976 |
| 3/1/2012 7:00 | 0.1502777 | 137.7672 | 4.556219 | -17.45444 | 206.7731 | -176.853 | 55.147 | 88.15024 | 0 | 960.9219 |
| 3/1/2012 8:00 | 0.05542072 | 133.5188 | 4.032081 | -17.7272 | 206.6668 | -177.1354 | 54.8646 | 83.90726 | 0 | 961.2119 |
| 3/1/2012 9:00 | 0.3794633 | 135.1249 | 8.185516 | -14.00063 | 207.2048 | -177.6161 | 54.3839 | 83.98357 | 0 | 961.0326 |
| 3/1/2012 10:00 | 0.4299805 | 130.3633 | 50.79164 | -9.193294 | 208.2643 | -185.049 | 46.951 | 74.77721 | 0 | 960.5833 |
| 3/1/2012 11:00 | 1.000954 | 138.1697 | 69.28811 | -6.205142 | 208.4262 | -177.4406 | 54.5594 | 68.04186 | 0 | 960.327 |
| 3/1/2012 12:00 | 0.696645 | 309.2411 | 22.36277 | -4.928003 | 209.8517 | -185.4458 | 46.5542 | 55.61206 | 0 | 960.2734 |
| 3/1/2012 13:00 | 1.144468 | 71.99014 | 58.27891 | -1.478023 | 209.8864 | -188.5899 | 43.4101 | 48.25705 | 0 | 959.7332 |
| 3/1/2012 14:00 | 0.9532273 | 133.6273 | 28.54386 | 0.4089721 | 209.968 | -177.6085 | 54.3915 | 45.59221 | 0 | 959.4059 |
| 3/1/2012 15:00 | 0.5282527 | 131.561 | 52.90581 | 0.7354653 | 209.7448 | -178.5013 | 53.4987 | 41.87884 | 0 | 959.0153 |
| 3/1/2012 16:00 | 0.5018934 | 133.1773 | 27.43151 | 0.7505403 | 209.8511 | -179.9742 | 52.0258 | 43.53025 | 0 | 958.9766 |
| 3/1/2012 17:00 | 0.3534947 | 141.9066 | 22.2601 | 0.5303534 | 209.5767 | -179.2645 | 52.7355 | 42.4405 | 0 | 959.1144 |
| 3/1/2012 18:00 | 0.5144724 | 66.09585 | 20.87157 | -0.7104345 | 209.0727 | -178.9058 | 53.0942 | 50.5678 | 0 | 959.3347 |
| 3/1/2012 19:00 | 0.6783773 | 52.11551 | 17.7554 | -2.823967 | 208.4558 | -178.4098 | 53.5902 | 55.99057 | 0 | 959.317 |
| 3/1/2012 20:00 | 0.600167 | 38.01732 | 18.8896 | -4.515437 | 208.2209 | -177.5856 | 54.4144 | 66.78881 | 0 | 959.5378 |
| 3/1/2012 21:00 | 1.072986 | 69.78793 | 19.50408 | -5.271158 | 208.0646 | -178.0587 | 53.9413 | 63.37153 | 0 | 959.2673 |
| 3/1/2012 22:00 | 1.145922 | 73.91949 | 20.16022 | -5.891932 | 208.1704 | -178.4861 | 53.5139 | 64.14687 | 0 | 959.2025 |
| 3/1/2012 23:00 | 0.772123 | 83.63879 | 20.45681 | -6.095402 | 208.2594 | -178.1427 | 53.8573 | 64.84589 | 0 | 959.392 |
| 3/2/2012 0:00 | 0.4798165 | 63.47924 | 31.97532 | -6.577456 | 208.3405 | -177.7993 | 54.2007 | 67.65115 | 0 | 959.5137 |
| 3/2/2012 1:00 | 0.6878114 | 59.99292 | 29.49055 | -6.978654 | 208.1978 | -178.2266 | 53.7734 | 67.81139 | 0 | 959.1833 |
| 3/2/2012 2:00 | 0.6203557 | 92.88047 | 23.23186 | -7.68459 | 208.2003 | -178.4098 | 53.5902 | 70.29308 | 0 | 959.0224 |
| 3/2/2012 3:00 | 0.6774285 | 79.62279 | 21.16806 | -7.996979 | 208.1084 | -178.3869 | 53.6131 | 71.28667 | 0 | 958.7517 |
| 3/2/2012 4:00 | 0.6064005 | 29.50986 | 29.96181 | -8.925999 | 207.9891 | -177.8374 | 54.1626 | 75.35566 | 0 | 958.2795 |
| 3/2/2012 5:00 | 0.560816 | 58.41463 | 24.65125 | -8.481771 | 208.112 | -178.074 | 53.926 | 74.60628 | 0 | 958.0605 |
| 3/2/2012 6:00 | 0.5375837 | 47.9565 | 28.35139 | -8.781206 | 208.2886 | -178.0435 | 53.9565 | 76.07758 | 0 | 958.203 |
| 3/2/2012 7:00 | 1.214139 | 63.31584 | 27.23722 | -8.624034 | 208.2906 | -178.28 | 53.72 | 76.63161 | 0 | 958.4411 |

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|----------------|-----------|----------|----------|-----------|----------|-----------|---------|----------|-------|----------|
| 3/2/2012 8:00 | 1.586705 | 46.54787 | 29.23394 | -8.621149 | 208.3585 | -178.509 | 53.491 | 75.67007 | 0 | 958.612 |
| 3/2/2012 9:00 | 1.825466 | 57.49091 | 29.30258 | -8.245461 | 208.4958 | -178.8371 | 53.1629 | 77.26958 | 0 | 958.8988 |
| 3/2/2012 10:00 | 2.065942 | 47.28562 | 29.41168 | -7.781337 | 208.7823 | -178.7227 | 53.2773 | 78.82484 | 0 | 958.8994 |
| 3/2/2012 11:00 | 1.989242 | 58.4608 | 33.03895 | -6.31089 | 209.0644 | -181.1341 | 50.8659 | 73.45243 | 0 | 958.778 |
| 3/2/2012 12:00 | 2.785883 | 58.23088 | 30.24386 | -5.501785 | 209.1317 | -182.4772 | 49.5228 | 65.82117 | 0 | 958.6396 |
| 3/2/2012 13:00 | 2.916603 | 54.3746 | 30.36135 | -4.482498 | 208.6576 | -175.8762 | 56.1238 | 59.38954 | 0 | 958.1695 |
| 3/2/2012 14:00 | 3.22605 | 57.46683 | 30.9129 | -4.605155 | 209.3758 | -181.6225 | 50.3775 | 63.13343 | 0 | 958.103 |
| 3/2/2012 15:00 | 3.003907 | 47.28398 | 29.31787 | -5.643117 | 209.2423 | -179.0355 | 52.9645 | 74.29797 | 0 | 958.1526 |
| 3/2/2012 16:00 | 2.841524 | 49.38497 | 31.3583 | -6.403367 | 208.7594 | -178.7684 | 53.2316 | 77.91824 | 0 | 958.258 |
| 3/2/2012 17:00 | 2.360626 | 29.70052 | 34.67419 | -7.31233 | 208.6611 | -178.6311 | 53.3689 | 82.4909 | 0 | 958.9126 |
| 3/2/2012 18:00 | 2.452091 | 28.51295 | 32.01208 | -8.789596 | 208.3293 | -177.7688 | 54.2312 | 84.05378 | 0 | 959.3137 |
| 3/2/2012 19:00 | 2.48397 | 30.29115 | 32.45574 | -10.0042 | 207.8842 | -177.723 | 54.277 | 81.64077 | 0 | 959.9578 |
| 3/2/2012 20:00 | 2.517119 | 34.04973 | 32.36272 | -11.24611 | 207.8463 | -177.6543 | 54.3457 | 84.34225 | 0 | 960.4427 |
| 3/2/2012 21:00 | 2.44051 | 27.5767 | 31.94754 | -12.03173 | 207.4558 | -176.8606 | 55.1394 | 83.83399 | 0 | 960.506 |
| 3/2/2012 22:00 | 2.334898 | 31.35211 | 33.24356 | -12.71634 | 206.6676 | -176.7233 | 55.2767 | 81.62856 | 0 | 960.8991 |
| 3/2/2012 23:00 | 2.350424 | 36.17003 | 32.11729 | -13.52203 | 206.4774 | -175.983 | 56.017 | 82.08033 | 0 | 960.9041 |
| 3/3/2012 0:00 | 2.157763 | 28.00243 | 30.55927 | -14.44963 | 206.2841 | -176.7843 | 55.2157 | 81.15237 | 0 | 960.7997 |
| 3/3/2012 1:00 | 2.349126 | 28.23401 | 31.13282 | -15.28484 | 206.4375 | -176.0593 | 55.9407 | 80.23663 | 0 | 960.9725 |
| 3/3/2012 2:00 | 2.207178 | 27.2701 | 32.20364 | -15.89512 | 206.2915 | -176.4256 | 55.5744 | 79.04614 | 0 | 960.9748 |
| 3/3/2012 3:00 | 1.910794 | 23.5255 | 33.07602 | -16.86889 | 206.1185 | -176.0975 | 55.9025 | 78.40969 | 0 | 960.8513 |
| 3/3/2012 4:00 | 2.109089 | 28.54696 | 30.43234 | -17.38783 | 205.9385 | -175.5328 | 56.4672 | 78.79736 | 0 | 960.8661 |
| 3/3/2012 5:00 | 1.779601 | 27.09279 | 32.05595 | -18.06904 | 205.9364 | -175.8762 | 56.1238 | 79.50402 | 0 | 961.0502 |
| 3/3/2012 6:00 | 1.538628 | 27.32056 | 32.61335 | -18.55 | 206.0209 | -176.0059 | 55.9941 | 77.77477 | 0 | 961.7175 |
| 3/3/2012 7:00 | 1.430452 | 24.25617 | 32.04395 | -18.7914 | 206.0972 | -176.4867 | 55.5133 | 78.37307 | 0 | 962.1643 |
| 3/3/2012 8:00 | 1.715478 | 31.74226 | 32.06532 | -19.12815 | 206.2751 | -176.0288 | 55.9712 | 76.11575 | 0 | 962.7163 |
| 3/3/2012 9:00 | 1.814061 | 43.60047 | 31.66283 | -18.80307 | 206.1337 | -175.9907 | 56.0093 | 70.70059 | 0 | 963.2976 |
| 3/3/2012 10:00 | 2.116585 | 55.3699 | 29.80676 | -18.21021 | 206.6568 | -174.9604 | 57.0396 | 65.7418 | 0.254 | 963.5853 |
| 3/3/2012 11:00 | 2.05353 | 45.74448 | 31.94117 | -16.97621 | 208.0015 | -176.0288 | 55.9712 | 59.47653 | 0 | 963.8661 |
| 3/3/2012 12:00 | 1.840134 | 39.18926 | 34.20036 | -15.0835 | 207.9692 | -170.6946 | 61.3054 | 49.55284 | 0 | 963.7537 |
| 3/3/2012 13:00 | 1.805835 | 36.95082 | 34.45947 | -13.98984 | 209.1434 | -176.0746 | 55.9254 | 43.67982 | 0 | 963.5932 |
| 3/3/2012 14:00 | 1.928252 | 60.41944 | 34.78418 | -13.25083 | 210.2555 | -173.6173 | 58.3827 | 40.73568 | 0 | 963.2783 |
| 3/3/2012 15:00 | 1.574427 | 52.02961 | 42.1709 | -11.92789 | 208.375 | -189.2462 | 42.7538 | 41.51865 | 0 | 963.1588 |
| 3/3/2012 16:00 | 1.280187 | 38.19258 | 38.16125 | -12.3731 | 208.0294 | -173.6936 | 58.3064 | 43.36236 | 0 | 963.3411 |
| 3/3/2012 17:00 | 1.421048 | 86.47292 | 22.955 | -12.88776 | 207.3998 | -176.9751 | 55.0249 | 49.69173 | 0.254 | 963.5204 |
| 3/3/2012 18:00 | 0.9881353 | 89.56068 | 19.53772 | -14.18988 | 206.7571 | -176.0288 | 55.9712 | 54.22317 | 0 | 963.6403 |
| 3/3/2012 19:00 | 0.7864665 | 109.9033 | 18.40602 | -15.91929 | 206.5035 | -176.4256 | 55.5744 | 58.24026 | 0 | 963.9315 |
| 3/3/2012 20:00 | 1.093694 | 92.6393 | 17.85891 | -16.61261 | 206.1981 | -175.9983 | 56.0017 | 56.02262 | 0 | 963.9968 |
| 3/3/2012 21:00 | 0.8649704 | 97.435 | 22.134 | -17.40946 | 206.1723 | -176.0593 | 55.9407 | 58.05101 | 0 | 964.1411 |
| 3/3/2012 22:00 | 1.084711 | 114.0558 | 21.41592 | -18.18176 | 206.2258 | -176.5783 | 55.4217 | 58.69662 | 0 | 964.0943 |
| 3/3/2012 23:00 | 1.065868 | 114.5074 | 17.86269 | -19.15847 | 206.2076 | -175.8609 | 56.1391 | 68.19601 | 0 | 963.9833 |
| 3/4/2012 0:00 | 0.7481432 | 125.28 | 9.57768 | -21.61254 | 205.9796 | -175.8457 | 56.1543 | 77.45274 | 0 | 964.0892 |
| 3/4/2012 1:00 | 0.5842398 | 130.0363 | 7.575644 | -22.03016 | 205.8079 | -176.2654 | 55.7346 | 78.27386 | 0 | 964.2812 |
| 3/4/2012 2:00 | 0.5419605 | 126.0517 | 7.765125 | -22.84438 | 205.7541 | -175.548 | 56.452 | 80.96007 | 0 | 964.3546 |
| 3/4/2012 3:00 | 0.5214149 | 132.6298 | 4.737643 | -23.30623 | 205.5414 | -175.5404 | 56.4596 | 77.72594 | 0 | 964.4824 |
| 3/4/2012 4:00 | 0.5686054 | 128.088 | 6.625783 | -24.23896 | 205.551 | -175.1665 | 56.8335 | 81.51714 | 0 | 964.4424 |
| 3/4/2012 5:00 | 0.6710372 | 135.9542 | 4.574917 | -24.64775 | 205.5522 | -175.3268 | 56.6732 | 79.5437 | 0 | 964.6807 |
| 3/4/2012 6:00 | 0.6857798 | 137.2721 | 5.423873 | -25.47505 | 205.6013 | -175.1207 | 56.8793 | 83.03119 | 0 | 964.8716 |
| 3/4/2012 7:00 | 0.7092777 | 143.6355 | 6.40886 | -25.89926 | 205.4043 | -175.3573 | 56.6427 | 80.7998 | 0 | 965.2452 |
| 3/4/2012 8:00 | 1.167628 | 136.9094 | 9.972048 | -24.99239 | 205.6115 | -176.4867 | 55.5133 | 68.65389 | 0.254 | 965.6213 |
| 3/4/2012 9:00 | 1.339005 | 134.4281 | 16.25626 | -21.15174 | 206.3936 | -176.5478 | 55.4522 | 54.60626 | 0 | 965.7111 |
| 3/4/2012 10:00 | 1.151883 | 124.8868 | 21.59149 | -18.54147 | 206.7442 | -173.8921 | 58.1079 | 46.58428 | 0.254 | 965.8041 |
| 3/4/2012 11:00 | 1.262012 | 109.7827 | 25.09242 | -16.17318 | 207.3301 | -175.838 | 56.162 | 45.64105 | 1.27 | 965.7778 |
| 3/4/2012 12:00 | 1.014843 | 116.9133 | 72.14357 | -13.08507 | 210.4303 | -176.2578 | 55.7422 | 39.76345 | 0 | 965.7479 |
| 3/4/2012 13:00 | 1.556182 | 122.9601 | 28.64906 | -11.42373 | 208.1552 | -172.7932 | 59.2068 | 29.43073 | 0 | 965.6884 |
| 3/4/2012 14:00 | 1.724714 | 111.5787 | 20.8308 | -10.23166 | 208.507 | -202.1125 | 29.8875 | 30.95698 | 0 | 965.4653 |
| 3/4/2012 15:00 | 1.657424 | 100.3696 | 20.97827 | -9.717549 | 209.5351 | -193.3441 | 38.6559 | 31.67737 | 0 | 965.3384 |
| 3/4/2012 16:00 | 1.039897 | 111.8531 | 26.68708 | -7.988186 | 209.3314 | -174.3728 | 57.6272 | 30.02139 | 0 | 965.3238 |
| 3/4/2012 17:00 | 0.9218997 | 119.6551 | 19.35781 | -8.865543 | 208.174 | -177.6161 | 54.3839 | 34.50399 | 0 | 965.369 |
| 3/4/2012 18:00 | 0.8050417 | 130.9908 | 11.4206 | -10.62648 | 207.5367 | -177.5245 | 54.4755 | 42.54276 | 0 | 965.519 |
| 3/4/2012 19:00 | 0.7315909 | 160.6164 | 5.281598 | -13.83308 | 207.1793 | -176.9827 | 55.0173 | 58.3059 | 0 | 965.6613 |
| 3/4/2012 20:00 | 0.6000003 | 169.659 | 7.424735 | -15.88142 | 206.9858 | -176.9751 | 55.0249 | 59.03849 | 0 | 965.6262 |
| 3/4/2012 21:00 | 0.6888576 | 182.0797 | 7.798948 | -17.51167 | 206.9757 | -177.1277 | 54.8723 | 68.44632 | 0 | 965.5306 |
| 3/4/2012 22:00 | 0.7539136 | 212.5984 | 14.03162 | -18.31601 | 206.9199 | -176.3417 | 55.6583 | 70.58918 | 0 | 965.4561 |
| 3/4/2012 23:00 | 0.7858246 | 195.7427 | 12.32472 | -19.61273 | 206.8132 | -176.9446 | 55.0554 | 78.15633 | 0 | 965.0934 |
| 3/5/2012 0:00 | 0.8336742 | 182.7597 | 8.805654 | -20.16536 | 206.6615 | -176.1815 | 55.8185 | 78.27233 | 0 | 964.8004 |
| 3/5/2012 1:00 | 1.011751 | 182.1604 | 13.86783 | -19.16422 | 206.6736 | -176.3493 | 55.6507 | 77.33064 | 0 | 964.8478 |
| 3/5/2012 2:00 | 0.9350114 | 175.2515 | 11.93325 | -17.04188 | 206.758 | -176.6469 | 55.3531 | 77.18411 | 0 | 965.0208 |
| 3/5/2012 3:00 | 0.9835731 | 163.1083 | 14.17234 | -15.35582 | 207.1109 | -176.9369 | 55.0631 | 80.5846 | 0 | 964.9436 |
| 3/5/2012 4:00 | 0.8028035 | 170.8067 | 10.69535 | -15.30083 | 207.0891 | -176.4638 | 55.5362 | 86.43168 | 0 | 964.672 |
| 3/5/2012 5:00 | 0.8546999 | 172.8973 | 11.74687 | -16.02635 | 206.9004 | -177.1354 | 54.8646 | 85.46098 | 0 | 964.6761 |
| 3/5/2012 6:00 | 0.9428908 | 167.8476 | 15.21186 | -16.63733 | 206.8563 | -176.9751 | 55.0249 | 89.31477 | 0 | 964.6071 |
| 3/5/2012 7:00 | 0.8583421 | 178.3081 | 14.06909 | -16.33186 | 206.7757 | -177.0056 | 54.9944 | 89.72839 | 0 | 964.5926 |
| 3/5/2012 8:00 | 1.148841 | 189.1349 | 22.31553 | -15.06955 | 206.9768 | -177.0056 | 54.9944 | 86.49273 | 0 | 964.6105 |
| 3/5/2012 9:00 | 1.534781 | 186.1714 | 26.30441 | -11.73746 | 207.6991 | -177.7993 | 54.2007 | 81.55531 | 0 | 964.2853 |

| | | | | | | | | | | |
|----------------|-----------|----------|----------|-----------|----------|-----------|---------|----------|-------|----------|
| 3/5/2012 10:00 | 1.492482 | 181.8695 | 26.63223 | -9.477781 | 208.1629 | -177.7459 | 54.2541 | 71.10505 | 0 | 963.9236 |
| 3/5/2012 11:00 | 1.612318 | 157.3146 | 26.95094 | -7.085738 | 208.4336 | -176.3264 | 55.6736 | 62.14137 | 0 | 963.4355 |
| 3/5/2012 12:00 | 1.55835 | 191.5775 | 34.34351 | -5.564551 | 208.7181 | -185.7434 | 46.2566 | 62.29399 | 0 | 963.3498 |
| 3/5/2012 13:00 | 1.637972 | 188.6136 | 32.9726 | -4.371977 | 208.8801 | -182.4849 | 49.5151 | 59.55437 | 0 | 962.836 |
| 3/5/2012 14:00 | 1.493506 | 174.3011 | 32.58072 | -2.462202 | 209.3907 | -179.3026 | 52.6974 | 57.64198 | 0 | 962.3946 |
| 3/5/2012 15:00 | 1.546495 | 172.0428 | 31.37467 | -2.165158 | 209.5392 | -176.3341 | 55.6659 | 60.07635 | 0 | 962.0991 |
| 3/5/2012 16:00 | 1.503895 | 180.1174 | 35.75312 | -2.154871 | 209.0774 | -181.9888 | 50.0112 | 63.0617 | 0 | 961.9922 |
| 3/5/2012 17:00 | 1.710314 | 173.2895 | 28.32393 | -2.496747 | 208.9718 | -178.57 | 53.43 | 68.66763 | 0 | 961.5945 |
| 3/5/2012 18:00 | 1.273959 | 169.6053 | 24.00538 | -3.341407 | 208.6617 | -178.8524 | 53.1476 | 81.64077 | 0 | 961.5873 |
| 3/5/2012 19:00 | 1.287094 | 159.1851 | 18.45037 | -4.300527 | 208.42 | -178.5548 | 53.4452 | 87.98846 | 0 | 961.5991 |
| 3/5/2012 20:00 | 1.358263 | 158.4683 | 16.36815 | -4.798129 | 208.4248 | -178.715 | 53.285 | 89.39108 | 0 | 961.3019 |
| 3/5/2012 21:00 | 1.225156 | 163.162 | 17.2777 | -5.009176 | 208.541 | -178.8295 | 53.1705 | 89.53761 | 0 | 961.457 |
| 3/5/2012 22:00 | 1.055578 | 167.8584 | 20.24616 | -5.96952 | 208.5715 | -178.2037 | 53.7963 | 92.78852 | 0 | 961.4581 |
| 3/5/2012 23:00 | 0.7021148 | 160.4171 | 17.07184 | -6.347074 | 208.4471 | -178.5853 | 53.4147 | 92.63895 | 0 | 961.311 |
| 3/6/2012 0:00 | 0.5224096 | 143.0068 | 7.695511 | -6.339849 | 208.3605 | -178.7303 | 53.2697 | 92.40238 | 0 | 960.9935 |
| 3/6/2012 1:00 | 0.5089927 | 149.2141 | 7.599699 | -6.279603 | 208.4301 | -178.3335 | 53.6665 | 95.43657 | 0 | 960.7366 |
| 3/6/2012 2:00 | 0.4213453 | 112.2707 | 17.66144 | -7.179557 | 208.2182 | -178.1732 | 53.8268 | 98.74548 | 0 | 960.6004 |
| 3/6/2012 3:00 | 0.5451427 | 129.6443 | 14.8083 | -8.108553 | 208.284 | -177.9366 | 54.0634 | 95.34805 | 0 | 960.0711 |
| 3/6/2012 4:00 | 0.8642282 | 131.917 | 15.04885 | -8.084207 | 208.3242 | -178.2572 | 53.7428 | 95.80287 | 0 | 959.7939 |
| 3/6/2012 5:00 | 0.4001111 | 118.9852 | 16.32689 | -7.618973 | 208.3233 | -178.28 | 53.72 | 94.04615 | 0 | 959.2605 |
| 3/6/2012 6:00 | 0.8899869 | 114.1516 | 22.48959 | -6.96405 | 208.3127 | -178.1427 | 53.8573 | 94.40177 | 0 | 959.0372 |
| 3/6/2012 7:00 | 1.079725 | 113.1961 | 24.07992 | -6.362114 | 208.2477 | -178.5624 | 53.4376 | 94.88406 | 0 | 958.4979 |
| 3/6/2012 8:00 | 1.323946 | 101.6717 | 22.95006 | -5.858978 | 208.6938 | -177.7153 | 54.2847 | 93.97289 | 0 | 957.8885 |
| 3/6/2012 9:00 | 1.391401 | 82.7504 | 26.34742 | -5.466701 | 207.8137 | -176.2425 | 55.7575 | 93.53638 | 0 | 957.9603 |
| 3/6/2012 10:00 | 1.7927 | 84.55907 | 24.91269 | -4.619633 | 205.9289 | -175.4794 | 56.5206 | 91.83156 | 0.508 | 957.6717 |
| 3/6/2012 11:00 | 2.318732 | 94.99922 | 24.79013 | -3.678331 | 204.8745 | -174.907 | 57.093 | 89.70092 | 0.254 | 957.3531 |
| 3/6/2012 12:00 | 2.440446 | 87.17236 | 24.318 | -2.813584 | 204.494 | -175.4259 | 56.5741 | 87.97014 | 0.254 | 956.6854 |
| 3/6/2012 13:00 | 2.658053 | 88.61993 | 24.93966 | -2.607921 | 204.8567 | -178.7227 | 53.2773 | 90.07485 | 0.254 | 955.8444 |
| 3/6/2012 14:00 | 2.494073 | 84.19569 | 24.90572 | -2.705842 | 192.8926 | -174.9528 | 57.0472 | 90.97991 | 0.508 | 955.079 |
| 3/6/2012 15:00 | 2.899007 | 85.16312 | 23.74448 | -2.917437 | 203.379 | -174.121 | 57.879 | 93.22655 | 0.254 | 954.2489 |
| 3/6/2012 16:00 | 2.487036 | 88.52936 | 24.1025 | -2.861467 | 203.2404 | -173.2892 | 58.7108 | 91.53852 | 0.762 | 954.1223 |
| 3/6/2012 17:00 | 2.49073 | 98.75617 | 24.61031 | -2.833767 | 201.88 | -172.1292 | 59.8708 | 93.84621 | 0.254 | 953.9482 |
| 3/6/2012 18:00 | 1.657945 | 90.19606 | 26.06496 | -2.96651 | 202.0532 | -171.8622 | 60.1378 | 94.76655 | 0 | 954.0106 |
| 3/6/2012 19:00 | 1.794112 | 80.3652 | 24.66158 | -3.139925 | 201.9958 | -171.9766 | 60.0234 | 95.11605 | 0 | 953.6219 |
| 3/6/2012 20:00 | 1.727334 | 83.36457 | 23.35739 | -3.232368 | 201.8584 | -169.6186 | 62.3814 | 97.34896 | 0.254 | 954.0885 |
| 3/6/2012 21:00 | 1.762852 | 77.03797 | 21.55325 | -3.35679 | 199.5663 | -169.7865 | 62.2135 | 98.0434 | 1.016 | 953.3162 |
| 3/6/2012 22:00 | 1.006714 | 32.80986 | 32.94807 | -3.33836 | 198.7139 | -167.3445 | 64.6555 | 97.36728 | 0.508 | 953.3438 |
| 3/6/2012 23:00 | 0.9123933 | 32.45402 | 39.80343 | -3.419034 | 197.3538 | -167.2223 | 64.7777 | 97.18108 | 0.254 | 953.1879 |
| 3/7/2012 0:00 | 1.257064 | 20.44609 | 47.2805 | -3.642514 | 196.8602 | -166.9705 | 65.0295 | 95.24731 | 0.762 | 952.6523 |
| 3/7/2012 1:00 | 1.83996 | 353.4487 | 26.52126 | -5.369176 | 196.7897 | -166.94 | 65.06 | 93.32881 | 0 | 953.0904 |
| 3/7/2012 2:00 | 1.676679 | 345.2964 | 23.80743 | -6.293111 | 196.8539 | -166.8713 | 65.1287 | 92.90452 | 0 | 953.162 |
| 3/7/2012 3:00 | 1.6216 | 355.561 | 25.91885 | -6.863081 | 196.8813 | -167.0621 | 64.9379 | 92.18108 | 0 | 953.2919 |
| 3/7/2012 4:00 | 1.565942 | 342.861 | 24.20713 | -7.206393 | 197.048 | -167.2605 | 64.7395 | 92.8801 | 0 | 953.298 |
| 3/7/2012 5:00 | 2.056241 | 334.0284 | 20.58329 | -8.347089 | 197.0042 | -166.9476 | 65.0524 | 92.30622 | 0.254 | 953.8246 |
| 3/7/2012 6:00 | 2.335873 | 329.3363 | 19.59354 | -9.271873 | 196.8454 | -166.7492 | 65.2508 | 90.64719 | 0 | 954.397 |
| 3/7/2012 7:00 | 2.148217 | 327.731 | 20.73358 | -10.76609 | 196.9435 | -167.2681 | 64.7319 | 90.2 | 0 | 954.7874 |
| 3/7/2012 8:00 | 2.322079 | 323.1256 | 18.40752 | -11.52322 | 197.1121 | -166.9247 | 65.0753 | 87.08034 | 0 | 955.4255 |
| 3/7/2012 9:00 | 2.423414 | 323.5057 | 20.96248 | -11.76514 | 197.15 | -167.3902 | 64.6098 | 85.76318 | 0 | 955.8934 |
| 3/7/2012 10:00 | 3.431392 | 314.5825 | 15.4211 | -11.87406 | 197.6352 | -167.7871 | 64.2129 | 80.93259 | 0 | 956.2617 |
| 3/7/2012 11:00 | 3.650099 | 311.902 | 14.68919 | -11.18843 | 197.9505 | -173.4189 | 58.5811 | 76.75218 | 0.254 | 956.7184 |
| 3/7/2012 12:00 | 3.635631 | 310.6554 | 16.29287 | -9.884479 | 197.0017 | -166.0471 | 65.9529 | 73.52111 | 0 | 957.0901 |
| 3/7/2012 13:00 | 3.90932 | 318.019 | 18.22146 | -8.982689 | 198.5557 | -165.9708 | 66.0292 | 75.47166 | 0 | 957.0645 |
| 3/7/2012 14:00 | 3.668051 | 320.2795 | 18.59157 | -8.518694 | 198.6014 | -165.3756 | 66.6244 | 73.47533 | 0 | 957.398 |
| 3/7/2012 15:00 | 3.80125 | 313.8107 | 14.29465 | -8.335146 | 198.9529 | -172.9763 | 59.0237 | 76.09895 | 0 | 958.0547 |
| 3/7/2012 16:00 | 3.075104 | 317.7128 | 15.80304 | -7.827769 | 199.1481 | -168.5502 | 63.4498 | 78.34711 | 0 | 958.5369 |
| 3/7/2012 17:00 | 2.198391 | 332.3314 | 21.34476 | -7.820856 | 199.1554 | -169.4049 | 62.5951 | 79.1072 | 0 | 958.891 |
| 3/7/2012 18:00 | 1.294509 | 337.4574 | 23.05204 | -8.100289 | 199.1078 | -168.7867 | 63.2133 | 83.29829 | 0.762 | 959.289 |
| 3/7/2012 19:00 | 0.7555488 | 315.6591 | 12.41388 | -10.09428 | 198.5666 | -167.7718 | 64.2282 | 94.55898 | 4.318 | 960.1272 |
| 3/7/2012 20:00 | 0.7743214 | 309.8751 | 10.99865 | -12.31483 | 198.0755 | -167.52 | 64.48 | 91.73693 | 0.254 | 961.0571 |
| 3/7/2012 21:00 | 0.8168383 | 300.4184 | 9.286352 | -13.59274 | 198.0357 | -168.0007 | 63.9993 | 92.7641 | 0 | 961.739 |
| 3/7/2012 22:00 | 0.3307502 | 304.8144 | 48.40836 | -13.50987 | 199.3811 | -169.2828 | 62.7172 | 92.06813 | 0 | 961.9814 |
| 3/7/2012 23:00 | 0.3837627 | 165.2164 | 12.92847 | -14.13364 | 200.2382 | -171.1219 | 60.8781 | 89.02937 | 0 | 961.9385 |
| 3/8/2012 0:00 | 0.1756408 | 180.086 | 9.623373 | -15.3063 | 200.4634 | -170.1833 | 61.8167 | 87.12002 | 0 | 962.0294 |
| 3/8/2012 1:00 | 0.3605078 | 171.1861 | 15.43599 | -16.2519 | 200.146 | -167.6802 | 64.3198 | 85.34347 | 0 | 962.0094 |
| 3/8/2012 2:00 | 0.3477696 | 155.3398 | 45.9696 | -17.73072 | 199.6544 | -170.0459 | 61.9541 | 87.04218 | 0 | 962.1683 |
| 3/8/2012 3:00 | 0.7705755 | 224.9427 | 40.65704 | -18.21707 | 200.1783 | -170.2291 | 61.7709 | 86.97198 | 0 | 961.9489 |
| 3/8/2012 4:00 | 0.8813863 | 234.8215 | 21.40652 | -17.43437 | 199.7231 | -168.6112 | 63.3888 | 84.23998 | 0 | 961.7662 |
| 3/8/2012 5:00 | 0.5053336 | 196.7585 | 18.20635 | -18.75732 | 198.8547 | -170.809 | 61.191 | 84.40023 | 0 | 961.5091 |
| 3/8/2012 6:00 | 0.4297481 | 188.1007 | 21.64564 | -19.6319 | 198.7027 | -168.6723 | 63.3277 | 88.50281 | 0 | 961.4153 |
| 3/8/2012 7:00 | 0.4822271 | 198.9903 | 33.93315 | -18.57898 | 198.528 | -167.9473 | 64.0527 | 89.71618 | 0 | 961.1338 |
| 3/8/2012 8:00 | 1.02362 | 198.8425 | 21.58822 | -16.63284 | 198.4893 | -167.8252 | 64.1748 | 86.47594 | 0 | 960.7596 |
| 3/8/2012 9:00 | 0.9375221 | 232.0395 | 36.32187 | -11.19504 | 199.4514 | -169.2828 | 62.7172 | 82.66641 | 0 | 960.449 |
| 3/8/2012 10:00 | 0.8781965 | 240.4889 | 40.29933 | -8.641321 | 201.167 | -173.6936 | 58.3064 | 78.863 | 0 | 960.1616 |
| 3/8/2012 11:00 | 1.472863 | 239.8749 | 35.38586 | -6.894213 | 201.7366 | -168.2144 | 63.7856 | 75.18472 | 0 | 960.0186 |

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|-----------------|-----------|----------|----------|-------------|----------|-----------|---------|----------|---|----------|
| 3/8/2012 12:00 | 1.809074 | 253.7839 | 34.04646 | -5.863132 | 200.4802 | -167.7947 | 64.2053 | 79.91611 | 0 | 959.616 |
| 3/8/2012 13:00 | 2.646378 | 264.8666 | 26.58803 | -5.306337 | 199.6133 | -170.0535 | 61.9465 | 81.47289 | 0 | 959.5129 |
| 3/8/2012 14:00 | 3.193249 | 279.6634 | 22.95953 | -5.528399 | 199.1811 | -168.7257 | 63.2743 | 82.1017 | 0 | 959.7916 |
| 3/8/2012 15:00 | 6.224657 | 301.0811 | 13.43218 | -6.257383 | 200.0057 | -167.5505 | 64.4495 | 64.591 | 0 | 960.6823 |
| 3/8/2012 16:00 | 7.469065 | 304.3677 | 13.56239 | -7.170186 | 198.7736 | -168.7791 | 63.2209 | 62.53667 | 0 | 962.0169 |
| 3/8/2012 17:00 | 7.201333 | 306.6903 | 13.16051 | -8.839959 | 198.6532 | -168.2907 | 63.7093 | 72.94877 | 0 | 964.0195 |
| 3/8/2012 18:00 | 6.005462 | 306.2643 | 12.87219 | -9.487475 | 198.7087 | -168.947 | 63.053 | 81.00738 | 0 | 965.9299 |
| 3/8/2012 19:00 | 6.220775 | 313.2782 | 14.44121 | -10.33032 | 198.5835 | -168.3747 | 63.6253 | 72.04218 | 0 | 968.0649 |
| 3/8/2012 20:00 | 5.131123 | 311.486 | 12.58443 | -11.42283 | 198.382 | -168.886 | 63.114 | 73.80347 | 0 | 970.1514 |
| 3/8/2012 21:00 | 4.916329 | 308.7983 | 12.33014 | -12.06476 | 198.2132 | -168.0923 | 63.9077 | 81.6713 | 0 | 971.6087 |
| 3/8/2012 22:00 | 4.343587 | 304.9298 | 12.98456 | -12.64372 | 198.0893 | -167.9778 | 64.0222 | 78.38985 | 0 | 972.7833 |
| 3/8/2012 23:00 | 3.085465 | 302.8875 | 11.109 | -14.05749 | 197.9529 | -167.5658 | 64.4342 | 80.04431 | 0 | 973.7537 |
| 3/9/2012 0:00 | 3.382107 | 299.4182 | 10.16555 | -14.90551 | 197.9294 | -168.0618 | 63.9382 | 79.8749 | 0 | 974.7405 |
| 3/9/2012 1:00 | 2.227888 | 290.9042 | 11.71637 | -16.0636 | 197.8932 | -168.2755 | 63.7245 | 84.72381 | 0 | 975.5803 |
| 3/9/2012 2:00 | 1.562714 | 288.2157 | 13.98116 | -17.21308 | 197.7399 | -167.4894 | 64.5106 | 84.37582 | 0 | 976.2167 |
| 3/9/2012 3:00 | 1.434253 | 272.6372 | 20.03384 | -17.75387 | 197.5302 | -167.8252 | 64.1748 | 84.69939 | 0 | 976.6086 |
| 3/9/2012 4:00 | 1.236975 | 255.9032 | 17.99591 | -18.44903 | 197.4621 | -167.2986 | 64.7014 | 83.863 | 0 | 976.7931 |
| 3/9/2012 5:00 | 0.94534 | 242.4673 | 27.66859 | -19.04313 | 197.4033 | -167.0621 | 64.9379 | 82.95183 | 0 | 976.9847 |
| 3/9/2012 6:00 | 0.8325745 | 223.8315 | 24.57455 | -19.99341 | 197.4495 | -167.5734 | 64.4266 | 82.20853 | 0 | 977.1442 |
| 3/9/2012 7:00 | 0.9771269 | 245.0935 | 30.94283 | -20.08842 | 197.3764 | -167.3292 | 64.6708 | 81.49883 | 0 | 977.4311 |
| 3/9/2012 8:00 | 1.661568 | 266.8322 | 22.98386 | -18.48836 | 197.803 | -168.2526 | 63.7474 | 73.82484 | 0 | 977.6722 |
| 3/9/2012 9:00 | 1.512043 | 261.9418 | 28.66043 | -15.55736 | 198.5114 | -169.0233 | 62.9767 | 62.06353 | 0 | 978.1221 |
| 3/9/2012 10:00 | 1.527288 | 266.7531 | 28.87889 | -12.08103 | 199.7047 | -168.161 | 63.839 | 50.45791 | 0 | 978.1646 |
| 3/9/2012 11:00 | 1.285281 | 262.4719 | 37.61449 | -8.44259 | 198.6477 | -168.016 | 63.984 | 44.89167 | 0 | 978.0634 |
| 3/9/2012 12:00 | 2.125837 | 240.9026 | 36.88269 | -5.918862 | 200.7858 | -191.6424 | 40.3576 | 41.62701 | 0 | 977.7463 |
| 3/9/2012 13:00 | 2.507747 | 253.0584 | 35.6464 | -4.768238 | 200.4909 | -168.0236 | 63.9764 | 35.03971 | 0 | 977.2874 |
| 3/9/2012 14:00 | 2.130796 | 232.4143 | 38.88658 | -3.151902 | 201.1402 | -169.5117 | 62.4883 | 33.0281 | 0 | 976.5632 |
| 3/9/2012 15:00 | 2.195058 | 219.4915 | 37.55973 | -2.242328 | 201.3627 | -180.2336 | 51.7664 | 32.13678 | 0 | 975.711 |
| 3/9/2012 16:00 | 1.837998 | 224.8894 | 40.73994 | -2.321592 | 201.6703 | -167.9321 | 64.0679 | 32.935 | 0 | 974.7792 |
| 3/9/2012 17:00 | 1.59314 | 191.7316 | 35.1303 | -2.907943 | 200.7165 | -170.2596 | 61.7404 | 34.6734 | 0 | 973.711 |
| 3/9/2012 18:00 | 1.421702 | 175.062 | 27.93939 | -4.941094 | 200.1916 | -170.0306 | 61.9694 | 42.48324 | 0 | 972.5714 |
| 3/9/2012 19:00 | 1.779492 | 169.1411 | 21.48659 | -5.720633 | 200.0131 | -169.9467 | 62.0533 | 45.1847 | 0 | 971.4006 |
| 3/9/2012 20:00 | 1.951625 | 160.9449 | 20.36973 | -6.01335 | 200.1112 | -170.168 | 61.832 | 48.96981 | 0 | 970.3808 |
| 3/9/2012 21:00 | 2.129102 | 160.9397 | 20.72055 | -6.15675 | 200.1268 | -170.2748 | 61.7252 | 50.27476 | 0 | 968.9439 |
| 3/9/2012 22:00 | 2.258456 | 168.9328 | 24.93569 | -6.325779 | 200.2627 | -170.5038 | 61.4962 | 53.96371 | 0 | 967.7874 |
| 3/9/2012 23:00 | 2.46084 | 159.2932 | 21.57314 | -6.245431 | 200.3281 | -170.2062 | 61.7938 | 51.95517 | 0 | 966.1457 |
| 3/10/2012 0:00 | 2.969939 | 158.756 | 19.88244 | -6.149516 | 200.4573 | -170.4122 | 61.5878 | 51.29429 | 0 | 963.8947 |
| 3/10/2012 1:00 | 2.966886 | 161.4929 | 21.39135 | -5.857584 | 200.5724 | -170.7175 | 61.2825 | 52.19783 | 0 | 962.3716 |
| 3/10/2012 2:00 | 2.768978 | 160.2819 | 20.74649 | -5.642608 | 200.6443 | -170.6564 | 61.3436 | 51.44234 | 0 | 960.5958 |
| 3/10/2012 3:00 | 2.63512 | 160.2099 | 21.75515 | -5.33778 | 200.627 | -170.7251 | 61.2749 | 53.35626 | 0 | 958.7824 |
| 3/10/2012 4:00 | 2.525581 | 162.653 | 22.12131 | -5.174815 | 200.8473 | -170.9082 | 61.0918 | 54.49026 | 0 | 956.7736 |
| 3/10/2012 5:00 | 1.954986 | 172.6565 | 24.60984 | -5.081962 | 200.9623 | -170.9082 | 61.0918 | 56.50187 | 0 | 955.9477 |
| 3/10/2012 6:00 | 1.718538 | 178.456 | 25.37214 | -5.562412 | 200.9001 | -171.5722 | 60.4278 | 59.29949 | 0 | 955.7594 |
| 3/10/2012 7:00 | 1.576672 | 178.6438 | 24.06786 | -6.193994 | 200.7188 | -171.1372 | 60.8628 | 62.00859 | 0 | 955.2092 |
| 3/10/2012 8:00 | 1.451235 | 187.1163 | 31.05531 | -5.332747 | 201.0556 | -171.4653 | 60.5347 | 55.32971 | 0 | 955.1696 |
| 3/10/2012 9:00 | 1.928931 | 209.3805 | 35.13035 | -3.079675 | 202.0614 | -171.4119 | 60.5881 | 53.44783 | 0 | 955.015 |
| 3/10/2012 10:00 | 2.173675 | 229.8288 | 35.578 | -1.126554 | 202.2932 | -170.6717 | 61.3283 | 53.23264 | 0 | 955.1182 |
| 3/10/2012 11:00 | 2.167723 | 249.7819 | 34.80293 | 0.8746576 | 204.22 | -172.3734 | 59.6266 | 48.09832 | 0 | 955.5231 |
| 3/10/2012 12:00 | 2.197481 | 249.0385 | 33.62191 | 3.361554 | 203.5336 | -169.9391 | 62.0609 | 45.68837 | 0 | 955.7962 |
| 3/10/2012 13:00 | 1.947599 | 229.6922 | 36.5345 | 6.016166 | 205.566 | -172.4727 | 59.5273 | 41.45302 | 0 | 955.9899 |
| 3/10/2012 14:00 | 1.375762 | 231.6914 | 46.51017 | 8.01166 | 205.6808 | -172.3124 | 59.6876 | 38.88128 | 0 | 955.8243 |
| 3/10/2012 15:00 | 1.531871 | 224.1931 | 40.32734 | 9.931325 | 205.9936 | -174.6399 | 57.3601 | 38.40356 | 0 | 955.5809 |
| 3/10/2012 16:00 | 1.640286 | 230.9285 | 37.49268 | 11.13411 | 205.3529 | -176.9064 | 55.0936 | 38.53177 | 0 | 955.4473 |
| 3/10/2012 17:00 | 1.345753 | 218.0747 | 29.7976 | 10.30284 | 206.0037 | -176.1967 | 55.8033 | 39.5681 | 0 | 955.4473 |
| 3/10/2012 18:00 | 1.307042 | 201.3745 | 28.67966 | 8.455071 | 205.7463 | -175.3496 | 56.6504 | 46.3355 | 0 | 956.0872 |
| 3/10/2012 19:00 | 1.276918 | 200.8858 | 28.09602 | 6.743761 | 205.1746 | -175.6091 | 56.3909 | 49.49179 | 0 | 956.6746 |
| 3/10/2012 20:00 | 1.224199 | 205.3945 | 24.72742 | 5.777631 | 205.2224 | -175.4794 | 56.5206 | 52.56719 | 0 | 957.111 |
| 3/10/2012 21:00 | 1.234206 | 209.8917 | 21.71497 | 4.78578 | 205.0069 | -175.0749 | 56.9251 | 56.3233 | 0 | 957.5872 |
| 3/10/2012 22:00 | 1.10963 | 237.5331 | 29.54552 | 3.65495 | 204.8043 | -174.9604 | 57.0396 | 63.30896 | 0 | 958.2675 |
| 3/10/2012 23:00 | 1.195637 | 257.7466 | 27.52682 | 1.876893 | 204.6172 | -174.8154 | 57.1846 | 64.12093 | 0 | 958.9196 |
| 3/11/2012 0:00 | 1.047723 | 245.8129 | 18.58481 | 0.8893976 | 204.8326 | -174.907 | 57.093 | 77.83888 | 0 | 959.472 |
| 3/11/2012 1:00 | 1.477613 | 272.658 | 16.08382 | -0.07430583 | 204.7682 | -174.5484 | 57.4516 | 82.4039 | 0 | 959.9159 |
| 3/11/2012 2:00 | 0.9525437 | 268.9431 | 80.58131 | -2.972723 | 204.3123 | -174.3957 | 57.6043 | 94.02784 | 0 | 960.5955 |
| 3/11/2012 3:00 | 0.7243639 | 170.2206 | 41.9132 | -4.26084 | 204.3479 | -174.6476 | 57.3524 | 93.31508 | 0 | 961.3351 |
| 3/11/2012 4:00 | 0.3912786 | 150.1151 | 55.8412 | -5.198098 | 204.1055 | -174.2355 | 57.7645 | 95.85171 | 0 | 961.8337 |
| 3/11/2012 5:00 | 0.473451 | 169.2961 | 28.23105 | -6.472562 | 204.2177 | -174.1058 | 57.8942 | 94.58645 | 0 | 962.5575 |
| 3/11/2012 6:00 | 0.3057524 | 145.8232 | 46.87313 | -7.059609 | 203.9912 | -174.0981 | 57.9019 | 94.16673 | 0 | 963.2333 |
| 3/11/2012 7:00 | 0.5543102 | 324.7668 | 34.08949 | -7.741581 | 203.9959 | -174.1821 | 57.8179 | 95.74792 | 0 | 963.9578 |
| 3/11/2012 8:00 | 0.1934383 | 218.8929 | 60.74556 | -4.354512 | 204.3294 | -175.1283 | 56.8717 | 89.18047 | 0 | 964.3953 |
| 3/11/2012 9:00 | 0.3459669 | 146.5222 | 19.4483 | 0.5798261 | 205.3668 | -175.9754 | 56.0246 | 53.65693 | 0 | 964.7859 |
| 3/11/2012 10:00 | 1.185451 | 132.3977 | 18.07188 | 5.144677 | 205.6627 | -173.541 | 58.459 | 44.97256 | 0 | 965.0555 |
| 3/11/2012 11:00 | 1.543761 | 133.3056 | 20.68299 | 8.407969 | 207.3784 | -173.48 | 58.52 | 36.97194 | 0 | 965.2757 |
| 3/11/2012 12:00 | 1.523926 | 133.9839 | 21.09588 | 10.35411 | 210.2789 | -174.3576 | 57.6424 | 32.83122 | 0 | 965.2151 |
| 3/11/2012 13:00 | 1.410662 | 132.9065 | 25.98112 | 11.75592 | 209.0765 | -174.0676 | 57.9324 | 32.52597 | 0 | 964.9932 |

| | | | | | | | | | | |
|-----------------|------------|----------|----------|-------------|----------|-----------|---------|----------|---|----------|
| 3/11/2012 14:00 | 1.655683 | 123.0568 | 21.44982 | 11.82362 | 208.5786 | -177.723 | 54.277 | 30.99208 | 0 | 964.5244 |
| 3/11/2012 15:00 | 1.973898 | 125.7508 | 22.09762 | 13.39522 | 208.9842 | -176.8912 | 55.1088 | 28.97438 | 0 | 964.1592 |
| 3/11/2012 16:00 | 1.927996 | 125.2313 | 23.75613 | 13.1967 | 208.8553 | -178.0282 | 53.9718 | 30.95698 | 0 | 964.0876 |
| 3/11/2012 17:00 | 2.809294 | 99.40919 | 24.0827 | 11.64407 | 209.5853 | -179.1882 | 52.8118 | 32.35045 | 0 | 963.5373 |
| 3/11/2012 18:00 | 2.449287 | 112.1917 | 21.77378 | 10.06623 | 209.3385 | -179.7987 | 52.2013 | 38.73629 | 0 | 963.1948 |
| 3/11/2012 19:00 | 2.15414 | 110.5428 | 20.09158 | 8.165059 | 209.1975 | -178.9974 | 53.0026 | 42.96706 | 0 | 962.9723 |
| 3/11/2012 20:00 | 2.578158 | 115.0044 | 21.72548 | 7.161716 | 209.0023 | -179.3713 | 52.6287 | 44.96035 | 0 | 962.8548 |
| 3/11/2012 21:00 | 2.743697 | 116.0279 | 21.27181 | 6.48022 | 208.9631 | -179.005 | 52.995 | 46.44844 | 0 | 962.5237 |
| 3/11/2012 22:00 | 2.665126 | 116.3114 | 20.99875 | 5.879684 | 208.8933 | -178.9974 | 53.0026 | 46.07451 | 0 | 962.4547 |
| 3/11/2012 23:00 | 2.364753 | 124.947 | 23.26667 | 5.771729 | 208.8533 | -179.1042 | 52.8958 | 49.59863 | 0 | 962.59 |
| 3/12/2012 0:00 | 2.051292 | 118.7768 | 18.96304 | 5.57408 | 209.0647 | -178.7227 | 53.2773 | 55.45639 | 0 | 961.8438 |
| 3/12/2012 1:00 | 1.912407 | 123.3731 | 17.45295 | 4.438021 | 208.9733 | -179.0661 | 52.9339 | 60.3175 | 0 | 960.8491 |
| 3/12/2012 2:00 | 2.22748 | 128.1423 | 17.2967 | 3.516017 | 208.8996 | -178.9669 | 53.0331 | 64.852 | 0 | 960.4504 |
| 3/12/2012 3:00 | 2.206141 | 128.8412 | 15.46464 | 2.504018 | 208.8067 | -178.9745 | 53.0255 | 67.36269 | 0 | 959.9973 |
| 3/12/2012 4:00 | 1.836759 | 124.4659 | 15.81624 | 2.683177 | 208.7616 | -179.0737 | 52.9263 | 66.47898 | 0 | 959.5056 |
| 3/12/2012 5:00 | 1.957496 | 126.0676 | 14.97373 | 2.553911 | 208.8592 | -179.0661 | 52.9339 | 68.94388 | 0 | 959.0328 |
| 3/12/2012 6:00 | 1.760065 | 123.8298 | 16.81347 | 2.961057 | 208.924 | -178.7608 | 53.2392 | 69.41702 | 0 | 958.745 |
| 3/12/2012 7:00 | 1.886256 | 135.6172 | 14.30687 | 2.868838 | 208.9793 | -179.0661 | 52.9339 | 79.98021 | 0 | 958.5153 |
| 3/12/2012 8:00 | 1.691665 | 135.2636 | 15.73797 | 2.471637 | 208.925 | -178.8524 | 53.1476 | 93.09377 | 0 | 958.2723 |
| 3/12/2012 9:00 | 1.711695 | 122.4853 | 18.0663 | 2.897678 | 209.0335 | -179.3637 | 52.6363 | 89.26288 | 0 | 957.772 |
| 3/12/2012 10:00 | 1.971879 | 122.237 | 18.95472 | 3.789657 | 209.315 | -179.3408 | 52.6592 | 81.46526 | 0 | 957.2972 |
| 3/12/2012 11:00 | 2.039327 | 122.7863 | 21.95978 | 5.971931 | 209.7749 | -179.2645 | 52.7355 | 62.32452 | 0 | 956.3554 |
| 3/12/2012 12:00 | 2.546525 | 123.371 | 22.14223 | 8.430461 | 211.7371 | -181.1112 | 50.8888 | 61.63618 | 0 | 955.1859 |
| 3/12/2012 13:00 | 2.925619 | 124.7329 | 22.9404 | 7.025765 | 211.7919 | -185.6976 | 46.3024 | 62.29094 | 0 | 954.4879 |
| 3/12/2012 14:00 | 2.335702 | 125.7814 | 22.73573 | 6.726663 | 212.5365 | -184.2324 | 47.7676 | 60.24424 | 0 | 953.4235 |
| 3/12/2012 15:00 | 1.805218 | 114.5792 | 28.84772 | 6.243427 | 212.7052 | -183.5609 | 48.4391 | 89.02478 | 0 | 952.03 |
| 3/12/2012 16:00 | 2.328569 | 107.6668 | 26.22002 | 4.310953 | 213.2122 | -182.7672 | 49.2328 | 96.59652 | 0 | 951.0779 |
| 3/12/2012 17:00 | 2.844331 | 117.9148 | 21.29426 | 2.609515 | 213.1754 | -184.1256 | 47.8744 | 99.01868 | 0 | 950.761 |
| 3/12/2012 18:00 | 1.950425 | 115.2394 | 22.15761 | 1.794244 | 213.2844 | -182.8436 | 49.1564 | 99.50709 | 0 | 950.3622 |
| 3/12/2012 19:00 | 1.035988 | 116.9782 | 19.14799 | 0.9194954 | 212.8219 | -183.1335 | 48.8665 | 100 | 0 | 949.8975 |
| 3/12/2012 20:00 | 0.5365663 | 122.8989 | 14.27576 | 0.6463463 | 213.104 | -183.5532 | 48.4468 | 99.98633 | 0 | 949.4817 |
| 3/12/2012 21:00 | 0.1081947 | 128.1351 | 5.314322 | 0.6344306 | 213.1477 | -182.9962 | 49.0038 | 99.75281 | 0 | 949.209 |
| 3/12/2012 22:00 | 0 | 0 | 0 | 0.5774968 | 212.491 | -182.1109 | 49.8891 | 100 | 0 | 948.8406 |
| 3/12/2012 23:00 | 0 | 0 | 0 | 0.4696509 | 212.2169 | -182.5993 | 49.4007 | 100 | 0 | 948.9122 |
| 3/13/2012 0:00 | 0 | 0 | 0 | 0.5336058 | 212.3677 | -182.5688 | 49.4312 | 100 | 0 | 949.392 |
| 3/13/2012 1:00 | 0.06060231 | 258.7517 | 5.407295 | 0.5060338 | 212.5148 | -182.4772 | 49.5228 | 100 | 0 | 950.0071 |
| 3/13/2012 2:00 | 3.997872 | 290.382 | 17.24677 | 1.427579 | 212.5627 | -182.7825 | 49.2175 | 100 | 0 | 951.1439 |
| 3/13/2012 3:00 | 4.435208 | 294.9638 | 13.80491 | 2.392747 | 212.9935 | -182.9656 | 49.0344 | 98.79433 | 0 | 952.4008 |
| 3/13/2012 4:00 | 4.230444 | 291.5959 | 14.86841 | 2.293956 | 212.9804 | -183.0877 | 48.9123 | 97.62064 | 0 | 953.6346 |
| 3/13/2012 5:00 | 3.592727 | 291.1631 | 15.72469 | 1.856434 | 213.0361 | -182.9504 | 49.0496 | 98.63254 | 0 | 955.0385 |
| 3/13/2012 6:00 | 2.497224 | 281.839 | 17.32388 | 0.9432234 | 212.8346 | -182.4391 | 49.5609 | 99.51777 | 0 | 956.4095 |
| 3/13/2012 7:00 | 2.426256 | 275.3616 | 19.61281 | 0.2922494 | 212.7437 | -182.752 | 49.248 | 98.83401 | 0 | 957.5988 |
| 3/13/2012 8:00 | 2.421332 | 277.3203 | 22.82636 | 0.5649162 | 212.9929 | -183.1106 | 48.8894 | 92.7412 | 0 | 958.7797 |
| 3/13/2012 9:00 | 2.385266 | 281.9625 | 22.41257 | 1.878701 | 213.597 | -181.592 | 50.408 | 85.93565 | 0 | 959.7986 |
| 3/13/2012 10:00 | 3.009587 | 292.3244 | 20.50817 | 3.431447 | 213.5749 | -183.1259 | 48.8741 | 76.3401 | 0 | 960.7548 |
| 3/13/2012 11:00 | 2.763853 | 289.5381 | 22.54098 | 5.402497 | 215.1924 | -180.6228 | 51.3772 | 62.7534 | 0 | 961.1367 |
| 3/13/2012 12:00 | 3.527862 | 293.6026 | 19.95146 | 7.029263 | 216.0384 | -181.5844 | 50.4156 | 49.16517 | 0 | 961.5941 |
| 3/13/2012 13:00 | 3.042563 | 284.9745 | 24.06559 | 8.454397 | 216.2769 | -184.1561 | 47.8439 | 42.72134 | 0 | 961.8792 |
| 3/13/2012 14:00 | 3.501432 | 298.8047 | 18.62933 | 9.047765 | 217.7444 | -184.6216 | 47.3784 | 35.61052 | 0 | 961.997 |
| 3/13/2012 15:00 | 2.931398 | 301.8842 | 21.03246 | 10.04618 | 216.6853 | -186.9415 | 45.0585 | 28.66455 | 0 | 962.0069 |
| 3/13/2012 16:00 | 1.463168 | 248.9848 | 48.46394 | 11.77434 | 218.1702 | -186.3768 | 45.6232 | 29.90692 | 0 | 962.1775 |
| 3/13/2012 17:00 | 1.392321 | 232.8529 | 32.95996 | 10.61577 | 218.7404 | -188.4907 | 43.5093 | 33.81871 | 0 | 962.409 |
| 3/13/2012 18:00 | 0.8371264 | 176.248 | 37.39962 | 7.613829 | 218.314 | -188.5899 | 43.4101 | 47.71066 | 0 | 962.5562 |
| 3/13/2012 19:00 | 0.8527883 | 142.0407 | 10.42191 | 3.629292 | 218.1031 | -187.7199 | 44.2801 | 55.61053 | 0 | 962.3134 |
| 3/13/2012 20:00 | 1.210546 | 138.5912 | 10.20176 | 0.5154977 | 217.6783 | -187.7657 | 44.2343 | 66.06841 | 0 | 962.0591 |
| 3/13/2012 21:00 | 1.265795 | 144.3131 | 8.876066 | -0.55072 | 217.5124 | -186.8423 | 45.1577 | 77.49853 | 0 | 961.7374 |
| 3/13/2012 22:00 | 1.269038 | 145.1 | 11.14333 | -1.824185 | 217.3795 | -187.3613 | 44.6387 | 75.29767 | 0 | 961.5002 |
| 3/13/2012 23:00 | 1.488224 | 153.3848 | 8.818139 | -2.293431 | 217.4063 | -187.1628 | 44.8372 | 80.68381 | 0 | 961.4045 |
| 3/14/2012 0:00 | 1.78311 | 148.8038 | 9.373123 | -2.3798 | 217.5465 | -187.6512 | 44.3488 | 76.6835 | 0 | 960.8091 |
| 3/14/2012 1:00 | 1.94973 | 146.556 | 13.25721 | -1.623727 | 217.7484 | -187.491 | 44.509 | 63.44785 | 0 | 959.855 |
| 3/14/2012 2:00 | 1.854977 | 141.8392 | 10.99047 | -0.9572697 | 217.8823 | -187.9641 | 44.0359 | 62.32757 | 0 | 958.6741 |
| 3/14/2012 3:00 | 2.075098 | 136.9893 | 14.29346 | -0.4389895 | 217.9395 | -188.2617 | 43.7383 | 64.78332 | 0 | 957.1653 |
| 3/14/2012 4:00 | 2.282606 | 141.9319 | 13.16481 | -0.05102694 | 218.0027 | -188.1015 | 43.8985 | 61.3874 | 0 | 955.3564 |
| 3/14/2012 5:00 | 2.336302 | 145.7325 | 13.46679 | 1.050884 | 218.3099 | -187.9565 | 44.0435 | 63.25401 | 0 | 954.0921 |
| 3/14/2012 6:00 | 2.330349 | 146.7789 | 14.44976 | 1.498148 | 218.3612 | -187.7123 | 44.2877 | 62.47714 | 0 | 953.1442 |
| 3/14/2012 7:00 | 2.460712 | 152.8147 | 16.01867 | 2.945178 | 218.4444 | -188.5594 | 43.4406 | 58.53025 | 0 | 952.9293 |
| 3/14/2012 8:00 | 2.478593 | 156.1148 | 16.66109 | 4.226589 | 218.7563 | -189.2614 | 42.7386 | 55.13129 | 0 | 952.763 |
| 3/14/2012 9:00 | 2.280839 | 174.1234 | 28.46183 | 7.90661 | 219.1987 | -187.3994 | 44.6006 | 55.25645 | 0 | 952.8202 |
| 3/14/2012 10:00 | 2.247731 | 201.8428 | 36.84557 | 10.09706 | 221.1449 | -203.2724 | 28.7276 | 53.62641 | 0 | 953.2548 |
| 3/14/2012 11:00 | 3.180588 | 253.8862 | 29.84093 | 10.77758 | 220.9015 | -190.4595 | 41.5405 | 50.09008 | 0 | 954.446 |
| 3/14/2012 12:00 | 2.997684 | 257.7051 | 30.691 | 11.76627 | 222.7858 | -190.4672 | 41.5328 | 34.59861 | 0 | 955.1517 |
| 3/14/2012 13:00 | 3.759207 | 265.312 | 25.99271 | 11.62932 | 221.0551 | -191.1082 | 40.8918 | 31.59343 | 0 | 956.1674 |
| 3/14/2012 14:00 | 3.529549 | 257.5473 | 28.53735 | 10.75612 | 224.0708 | -190.7877 | 41.2123 | 29.43378 | 0 | 957.2017 |
| 3/14/2012 15:00 | 3.336242 | 265.7441 | 28.36541 | 11.11863 | 224.7244 | -192.8863 | 39.1137 | 25.0748 | 0 | 957.6841 |

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|-----------------|-----------|----------|----------|-------------|----------|-----------|---------|----------|---|----------|
| 3/14/2012 16:00 | 5.034692 | 291.6219 | 18.00939 | 10.67087 | 224.9562 | -191.4897 | 40.5103 | 18.76069 | 0 | 958.3837 |
| 3/14/2012 17:00 | 3.897391 | 282.7418 | 21.89938 | 9.107237 | 224.7152 | -194.5804 | 37.4196 | 21.61479 | 0 | 959.7381 |
| 3/14/2012 18:00 | 2.67117 | 274.8065 | 23.86989 | 7.720444 | 224.8458 | -195.252 | 36.748 | 26.30801 | 0 | 960.755 |
| 3/14/2012 19:00 | 2.007187 | 256.5776 | 23.72911 | 5.88287 | 224.9308 | -194.5728 | 37.4272 | 29.16211 | 0 | 961.4644 |
| 3/14/2012 20:00 | 2.059696 | 260.2408 | 24.41281 | 4.961958 | 225.1098 | -194.8399 | 37.1601 | 32.19783 | 0 | 962.1503 |
| 3/14/2012 21:00 | 2.196739 | 248.8915 | 26.00696 | 3.771085 | 225.2575 | -195.2444 | 36.7556 | 39.05833 | 0 | 962.6672 |
| 3/14/2012 22:00 | 1.734767 | 246.2832 | 28.25405 | 2.760858 | 225.2676 | -194.9925 | 37.0075 | 39.93745 | 0 | 963.1848 |
| 3/14/2012 23:00 | 1.708935 | 235.5926 | 29.18488 | 2.473675 | 225.3892 | -195.7938 | 36.2062 | 44.01254 | 0 | 963.6442 |
| 3/15/2012 0:00 | 1.989492 | 246.6531 | 29.3682 | 2.571232 | 225.7707 | -195.458 | 36.542 | 44.38495 | 0 | 963.955 |
| 3/15/2012 1:00 | 2.09733 | 248.85 | 23.6234 | 2.731302 | 225.8469 | -196.183 | 35.817 | 43.04642 | 0 | 964.5134 |
| 3/15/2012 2:00 | 0.9569539 | 192.9733 | 22.72892 | 1.099935 | 225.7252 | -195.687 | 36.313 | 49.7543 | 0 | 964.9275 |
| 3/15/2012 3:00 | 1.374976 | 195.9561 | 23.40469 | 0.3387893 | 225.5353 | -194.7407 | 37.2593 | 52.37946 | 0 | 965.2289 |
| 3/15/2012 4:00 | 1.319019 | 198.8809 | 23.25682 | -0.07192006 | 225.469 | -195.7785 | 36.2215 | 54.37733 | 0 | 965.4544 |
| 3/15/2012 5:00 | 1.542431 | 201.1566 | 19.95818 | -0.3740869 | 225.6517 | -195.5725 | 36.4275 | 59.96493 | 0 | 965.98 |
| 3/15/2012 6:00 | 1.232072 | 196.2669 | 18.00879 | -0.9222799 | 225.7471 | -195.7633 | 36.2367 | 61.0211 | 0 | 966.362 |
| 3/15/2012 7:00 | 1.290452 | 202.0162 | 20.02275 | -1.141938 | 225.7207 | -196.183 | 35.817 | 61.13404 | 0 | 966.9323 |
| 3/15/2012 8:00 | 1.136046 | 211.2327 | 25.53595 | 0.008737291 | 225.9011 | -196.4272 | 35.5728 | 55.59528 | 0 | 967.5162 |
| 3/15/2012 9:00 | 1.25699 | 217.8299 | 32.70807 | 2.193452 | 226.8352 | -194.1836 | 37.8164 | 47.38709 | 0 | 967.9785 |
| 3/15/2012 10:00 | 1.314513 | 229.3877 | 40.36755 | 5.311258 | 227.6196 | -199.907 | 32.093 | 40.02597 | 0 | 967.9384 |
| 3/15/2012 11:00 | 1.478961 | 230.8727 | 36.9504 | 7.770963 | 228.8656 | -196.0609 | 35.9391 | 33.83854 | 0 | 967.372 |
| 3/15/2012 12:00 | 1.807197 | 216.4641 | 34.20257 | 9.88339 | 228.1186 | -218.8097 | 13.1903 | 26.4759 | 0 | 967.0847 |
| 3/15/2012 13:00 | 2.107047 | 220.3205 | 39.30622 | 11.42976 | 231.0311 | -198.2816 | 33.7184 | 26.26528 | 0 | 966.7617 |
| 3/15/2012 14:00 | 2.20283 | 232.4509 | 34.72147 | 11.01946 | 229.9191 | -197.1598 | 34.8402 | 26.10655 | 0 | 966.2286 |
| 3/15/2012 15:00 | 2.096026 | 225.5777 | 39.3533 | 11.77052 | 230.0179 | -200.6396 | 31.3604 | 26.29428 | 0 | 965.7411 |
| 3/15/2012 16:00 | 2.234887 | 221.2331 | 33.96093 | 11.43888 | 229.5191 | -198.3884 | 33.6116 | 25.69446 | 0 | 965.6476 |
| 3/15/2012 17:00 | 2.170932 | 228.7801 | 33.69908 | 10.9229 | 230.409 | -199.8765 | 32.1235 | 27.38708 | 0 | 965.7154 |
| 3/15/2012 18:00 | 1.178983 | 196.9209 | 32.34956 | 9.512931 | 229.8704 | -200.0215 | 31.9785 | 31.50796 | 0 | 965.4171 |
| 3/15/2012 19:00 | 0.987637 | 164.8281 | 15.26122 | 6.527808 | 229.5585 | -199.2355 | 32.7645 | 46.04246 | 0 | 965.003 |
| 3/15/2012 20:00 | 1.206773 | 154.2153 | 9.485113 | 3.720197 | 229.4323 | -199.3042 | 32.6958 | 45.96157 | 0 | 964.7314 |
| 3/15/2012 21:00 | 1.487366 | 160.6906 | 14.87325 | 3.407563 | 229.3839 | -199.3118 | 32.6882 | 42.80986 | 0 | 964.7684 |
| 3/15/2012 22:00 | 1.59201 | 169.9041 | 21.15738 | 4.516738 | 229.302 | -199.1134 | 32.8866 | 39.74209 | 0 | 964.5336 |
| 3/15/2012 23:00 | 1.565594 | 173.9738 | 22.6622 | 4.212523 | 229.3718 | -199.6323 | 32.3677 | 40.44111 | 0 | 964.4034 |
| 3/16/2012 0:00 | 1.383293 | 178.6201 | 21.52937 | 3.334428 | 229.4042 | -198.9608 | 33.0392 | 42.30925 | 0 | 964.4501 |
| 3/16/2012 1:00 | 1.344422 | 180.6083 | 20.7276 | 2.816587 | 229.2906 | -198.7471 | 33.2529 | 42.43135 | 0 | 964.5657 |
| 3/16/2012 2:00 | 1.343012 | 180.4029 | 17.20482 | 2.336159 | 229.4728 | -199.5484 | 32.4516 | 43.51041 | 0 | 964.7208 |
| 3/16/2012 3:00 | 1.232542 | 191.3956 | 19.73445 | 1.949039 | 229.398 | -199.4492 | 32.5508 | 44.60015 | 0 | 964.5987 |
| 3/16/2012 4:00 | 0.9005927 | 190.494 | 21.3709 | 1.34033 | 229.3534 | -199.5026 | 32.4974 | 52.02385 | 0 | 964.8066 |
| 3/16/2012 5:00 | 0.6826176 | 132.3565 | 14.44601 | -0.2262916 | 229.3617 | -199.5942 | 32.4058 | 62.11848 | 0 | 965.1026 |
| 3/16/2012 6:00 | 1.001342 | 139.0829 | 10.55045 | -2.288646 | 229.2632 | -199.2889 | 32.7111 | 79.65817 | 0 | 965.1726 |
| 3/16/2012 7:00 | 1.074161 | 159.3801 | 6.039153 | -2.849104 | 229.1416 | -198.7318 | 33.2682 | 77.38863 | 0 | 965.4179 |
| 3/16/2012 8:00 | 0.8961442 | 137.8036 | 14.81691 | 0.1415342 | 229.7316 | -199.8384 | 32.1616 | 47.01926 | 0 | 965.6427 |
| 3/16/2012 9:00 | 1.316429 | 129.4392 | 14.26153 | 4.58112 | 231.1874 | -209.3927 | 22.6073 | 36.28513 | 0 | 965.4161 |
| 3/16/2012 10:00 | 1.312146 | 144.2937 | 25.06661 | 9.387307 | 231.1483 | -201.0746 | 30.9254 | 27.00856 | 0 | 964.7176 |
| 3/16/2012 11:00 | 1.797801 | 141.5252 | 22.42424 | 12.35893 | 231.5376 | -198.3732 | 33.6268 | 26.67889 | 0 | 964.1797 |
| 3/16/2012 12:00 | 2.192303 | 150.415 | 22.21673 | 14.89547 | 234.0891 | -203.8066 | 28.1934 | 23.20667 | 0 | 963.4025 |
| 3/16/2012 13:00 | 2.189918 | 152.7708 | 23.02279 | 16.86005 | 235.143 | -204.5545 | 27.4455 | 20.83335 | 0 | 962.5873 |
| 3/16/2012 14:00 | 2.465954 | 152.4493 | 20.61298 | 17.69053 | 235.211 | -210.7129 | 21.2871 | 20.36326 | 0 | 961.7419 |
| 3/16/2012 15:00 | 2.211565 | 156.6565 | 24.01321 | 17.55524 | 236.482 | -209.7361 | 22.2639 | 26.72773 | 0 | 961.1381 |
| 3/16/2012 16:00 | 2.093255 | 152.8046 | 19.70745 | 16.16613 | 235.5689 | -205.7068 | 26.2932 | 27.95331 | 0 | 960.6371 |
| 3/16/2012 17:00 | 2.253715 | 157.2598 | 17.24655 | 14.09973 | 235.5396 | -205.516 | 26.484 | 30.93409 | 0 | 959.972 |
| 3/16/2012 18:00 | 1.9932 | 154.2778 | 17.16979 | 11.45492 | 235.4205 | -205.3634 | 26.6366 | 36.00583 | 0 | 958.9464 |
| 3/16/2012 19:00 | 1.680826 | 154.4915 | 13.98123 | 9.201554 | 235.1027 | -204.379 | 27.621 | 47.63739 | 0 | 958.364 |
| 3/16/2012 20:00 | 1.768683 | 153.7034 | 14.35585 | 7.88964 | 234.7729 | -204.8292 | 27.1708 | 43.49209 | 0 | 957.7842 |
| 3/16/2012 21:00 | 2.642583 | 153.921 | 16.72602 | 9.801925 | 235.1912 | -205.2108 | 26.7892 | 46.07909 | 0 | 956.8828 |
| 3/16/2012 22:00 | 2.913438 | 153.6058 | 15.32233 | 9.69353 | 235.4763 | -205.6839 | 26.3161 | 56.07147 | 0 | 956.1318 |
| 3/16/2012 23:00 | 3.037083 | 155.9587 | 16.3414 | 9.699016 | 235.4357 | -205.6763 | 26.3237 | 69.07971 | 0 | 955.47 |
| 3/17/2012 0:00 | 2.720933 | 155.6453 | 16.37069 | 9.249442 | 235.4089 | -205.89 | 26.11 | 74.4216 | 0 | 954.9368 |
| 3/17/2012 1:00 | 2.212781 | 156.6889 | 19.17482 | 8.93043 | 235.5263 | -205.2795 | 26.7205 | 80.00921 | 0 | 954.4075 |
| 3/17/2012 2:00 | 1.967648 | 159.7599 | 19.97085 | 8.44773 | 235.5442 | -204.8368 | 27.1632 | 84.13314 | 0 | 954.1913 |
| 3/17/2012 3:00 | 1.973612 | 157.5703 | 18.9938 | 7.717208 | 235.4115 | -205.2642 | 26.7358 | 88.1594 | 0 | 953.9063 |
| 3/17/2012 4:00 | 1.628159 | 160.2034 | 20.17702 | 7.611834 | 235.4028 | -205.516 | 26.484 | 92.4039 | 0 | 953.759 |
| 3/17/2012 5:00 | 1.411361 | 157.1698 | 18.47 | 6.940622 | 235.5032 | -205.3329 | 26.6671 | 98.14109 | 0 | 953.6183 |
| 3/17/2012 6:00 | 1.532356 | 182.0393 | 20.5933 | 6.653041 | 235.4483 | -204.7071 | 27.2929 | 95.80287 | 0 | 953.8732 |
| 3/17/2012 7:00 | 1.327897 | 186.1152 | 23.26474 | 7.341711 | 235.4309 | -205.7679 | 26.2321 | 94.78638 | 0 | 954.5715 |
| 3/17/2012 8:00 | 1.374025 | 186.7533 | 24.72326 | 8.812847 | 235.7341 | -205.5771 | 26.4229 | 83.91489 | 0 | 954.4578 |
| 3/17/2012 9:00 | 2.018179 | 245.641 | 34.41358 | 11.1232 | 236.7758 | -216.2532 | 15.7468 | 71.81018 | 0 | 954.8146 |
| 3/17/2012 10:00 | 2.310998 | 248.5202 | 28.68174 | 13.17938 | 239.0674 | -206.5768 | 25.4232 | 60.07177 | 0 | 955.4395 |
| 3/17/2012 11:00 | 1.484085 | 253.8505 | 33.90832 | 15.78174 | 239.5419 | -209.0798 | 22.9202 | 48.63404 | 0 | 955.8982 |
| 3/17/2012 12:00 | 1.641716 | 243.6277 | 38.06142 | 17.99419 | 242.2995 | -207.1338 | 24.8662 | 44.13617 | 0 | 955.8854 |
| 3/17/2012 13:00 | 1.346674 | 214.4138 | 42.41425 | 19.49445 | 240.3575 | -214.6888 | 17.3112 | 37.2192 | 0 | 956.3718 |
| 3/17/2012 14:00 | 1.432432 | 243.8913 | 42.78934 | 19.37493 | 242.4745 | -210.6442 | 21.3558 | 39.74514 | 0 | 956.7563 |
| 3/17/2012 15:00 | 2.215176 | 296.1128 | 19.20595 | 17.1492 | 242.9071 | -212.0942 | 19.9058 | 37.05436 | 0 | 956.9854 |
| 3/17/2012 16:00 | 1.893596 | 302.5337 | 15.87872 | 16.34204 | 243.2781 | -213.0099 | 18.9901 | 37.4756 | 0 | 957.6996 |
| 3/17/2012 17:00 | 1.723407 | 304.3541 | 13.70101 | 15.25017 | 242.9498 | -213.506 | 18.494 | 39.46584 | 0 | 958.5622 |

| | | | | | | | | | | |
|-----------------|-----------|----------|----------|----------|----------|-----------|---------|----------|---|----------|
| 3/17/2012 18:00 | 0.9846596 | 305.1902 | 23.31828 | 14.39525 | 242.9678 | -212.6283 | 19.3717 | 41.70027 | 0 | 959.3499 |
| 3/17/2012 19:00 | 0.9821878 | 309.5256 | 14.01806 | 11.63204 | 242.5385 | -212.2392 | 19.7608 | 50.812 | 0 | 959.7698 |
| 3/17/2012 20:00 | 1.077879 | 329.1759 | 16.60735 | 7.823893 | 241.934 | -211.8576 | 20.1424 | 50.38465 | 0 | 960.062 |
| 3/17/2012 21:00 | 0.6495246 | 346.7195 | 16.50913 | 8.663867 | 241.8873 | -211.6973 | 20.3027 | 51.85596 | 0 | 960.496 |
| 3/17/2012 22:00 | 0.7403033 | 44.18981 | 37.57184 | 9.430535 | 242.0032 | -212.2239 | 19.7761 | 57.01926 | 0 | 960.6492 |
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| 3/18/2012 0:00 | 1.240232 | 57.06503 | 25.68859 | 8.718023 | 242.6159 | -212.4605 | 19.5395 | 49.46279 | 0 | 960.6259 |
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| 3/18/2012 2:00 | 2.431139 | 81.74762 | 22.89141 | 8.518537 | 242.9674 | -213.2846 | 18.7154 | 51.21187 | 0 | 961.2649 |
| 3/18/2012 3:00 | 2.224769 | 89.761 | 24.81017 | 8.896005 | 243.1158 | -213.6586 | 18.3414 | 49.33153 | 0 | 960.9682 |
| 3/18/2012 4:00 | 2.285934 | 93.29137 | 26.34945 | 9.022942 | 243.8162 | -213.9791 | 18.0209 | 50.783 | 0 | 960.8057 |
| 3/18/2012 5:00 | 2.74449 | 95.96127 | 25.13556 | 8.5742 | 244.1231 | -214.0478 | 17.9522 | 53.95608 | 0 | 960.3243 |
| 3/18/2012 6:00 | 2.665198 | 85.68916 | 23.66186 | 7.576318 | 244.1967 | -214.1393 | 17.8607 | 55.36023 | 0 | 960.6568 |
| 3/18/2012 7:00 | 2.757518 | 89.06297 | 25.92107 | 7.235425 | 245.2981 | -215.3069 | 16.6931 | 56.16456 | 0 | 960.8566 |
| 3/18/2012 8:00 | 2.956992 | 97.26807 | 25.24224 | 7.378816 | 244.901 | -215.5359 | 16.4641 | 55.83948 | 0 | 960.8239 |
| 3/18/2012 9:00 | 3.279235 | 104.4677 | 24.75108 | 8.096469 | 246.0282 | -215.9251 | 16.0749 | 53.7073 | 0 | 960.7441 |
| 3/18/2012 10:00 | 3.567173 | 107.7235 | 24.95711 | 8.951098 | 246.5636 | -217.4361 | 14.5639 | 56.46218 | 0 | 960.8301 |
| 3/18/2012 11:00 | 3.205612 | 114.0269 | 23.43064 | 10.40011 | 247.633 | -225.5862 | 6.4138 | 59.07055 | 0 | 960.4671 |
| 3/18/2012 12:00 | 3.789254 | 118.5941 | 22.56764 | 11.31768 | 248.8064 | -225.6396 | 6.3604 | 60.3755 | 0 | 959.8191 |
| 3/18/2012 13:00 | 3.044896 | 110.055 | 23.38382 | 11.66012 | 250.6522 | -218.9318 | 13.0682 | 61.43777 | 0 | 959.5582 |
| 3/18/2012 14:00 | 3.451625 | 111.0465 | 23.53859 | 11.84788 | 251.229 | -224.5713 | 7.4287 | 60.23355 | 0 | 958.9621 |
| 3/18/2012 15:00 | 3.003568 | 117.1438 | 22.48102 | 12.03861 | 252.0037 | -223.3961 | 8.6039 | 62.97318 | 0 | 958.5991 |
| 3/18/2012 16:00 | 3.225845 | 115.7012 | 22.79335 | 11.51478 | 252.4457 | -224.93 | 7.07 | 63.83398 | 0 | 958.2885 |
| 3/18/2012 17:00 | 2.91946 | 113.8245 | 22.76603 | 11.85683 | 252.711 | -224.0295 | 7.9705 | 63.58978 | 0 | 957.6996 |
| 3/18/2012 18:00 | 2.576939 | 108.7204 | 20.96988 | 10.86623 | 253.2389 | -222.9382 | 9.0618 | 70.50981 | 0 | 957.4222 |
| 3/18/2012 19:00 | 2.634397 | 118.5362 | 22.7629 | 9.208756 | 252.7097 | -222.7703 | 9.2297 | 75.94633 | 0 | 957.0681 |
| 3/18/2012 20:00 | 2.629882 | 123.5155 | 21.4546 | 8.149876 | 252.7353 | -222.7856 | 9.2144 | 78.17159 | 0 | 957.0251 |
| 3/18/2012 21:00 | 2.429795 | 123.043 | 18.78941 | 7.148955 | 252.6521 | -222.2056 | 9.7944 | 84.04919 | 0 | 957.0763 |
| 3/18/2012 22:00 | 2.251532 | 123.4986 | 16.38296 | 6.402236 | 252.4759 | -222.4956 | 9.5044 | 89.19267 | 0 | 957.1511 |
| 3/18/2012 23:00 | 2.224541 | 124.1617 | 16.8337 | 5.920739 | 252.5416 | -222.3887 | 9.6113 | 92.60232 | 0 | 956.9346 |
| 3/19/2012 0:00 | 2.095726 | 128.36 | 14.8758 | 5.153954 | 252.6386 | -222.61 | 9.39 | 96.12185 | 0 | 956.5575 |
| 3/19/2012 1:00 | 1.687308 | 127.2911 | 15.66997 | 5.019728 | 252.6791 | -222.9916 | 9.0084 | 98.86911 | 0 | 956.2204 |
| 3/19/2012 2:00 | 1.959803 | 130.1002 | 13.5728 | 4.929321 | 252.7123 | -222.6024 | 9.3976 | 100 | 0 | 955.7241 |
| 3/19/2012 3:00 | 1.903401 | 134.0617 | 13.8164 | 4.870982 | 252.8439 | -222.2819 | 9.7181 | 100 | 0 | 955.3008 |
| 3/19/2012 4:00 | 1.69893 | 137.5989 | 12.4351 | 4.696846 | 252.9398 | -223.2663 | 8.7337 | 100 | 0 | 954.86 |
| 3/19/2012 5:00 | 1.852868 | 141.6579 | 11.10527 | 5.073981 | 253.3316 | -223.7318 | 8.2682 | 100 | 0 | 954.7172 |
| 3/19/2012 6:00 | 1.645893 | 138.944 | 10.01025 | 5.856681 | 253.6174 | -223.5182 | 8.4818 | 100 | 0 | 954.9066 |
| 3/19/2012 7:00 | 1.8897 | 147.3999 | 9.851951 | 6.845482 | 253.9888 | -224.5179 | 7.4821 | 100 | 0 | 954.9498 |
| 3/19/2012 8:00 | 2.110877 | 153.5311 | 14.20068 | 9.972619 | 254.4774 | -224.4263 | 7.5737 | 94.6246 | 0 | 954.9889 |
| 3/19/2012 9:00 | 1.663363 | 152.0634 | 17.29237 | 12.90147 | 254.8118 | -230.1268 | 1.8732 | 82.45122 | 0 | 955.1606 |
| 3/19/2012 10:00 | 2.129809 | 152.0009 | 19.09257 | 16.15338 | 255.0555 | -229.3026 | 2.6974 | 71.90023 | 0 | 955.4934 |
| 3/19/2012 11:00 | 2.156512 | 149.9707 | 22.67962 | 18.55526 | 258.7342 | -223.045 | 8.955 | 63.86604 | 0 | 955.1515 |
| 3/19/2012 12:00 | 2.449842 | 154.7535 | 22.70248 | 20.42862 | 258.3246 | -227.2651 | 4.7349 | 61.61024 | 0 | 954.914 |
| 3/19/2012 13:00 | 2.315435 | 151.0198 | 21.8308 | 21.09095 | 260.491 | -227.1125 | 4.8875 | 59.50858 | 0 | 955.064 |
| 3/19/2012 14:00 | 2.365082 | 150.4481 | 23.31308 | 20.91038 | 261.9997 | -231.3707 | 0.6293 | 57.48783 | 0 | 954.8922 |
| 3/19/2012 15:00 | 3.063919 | 151.8822 | 20.43841 | 21.20558 | 263.5597 | -232.6451 | 0.00001 | 61.25309 | 0 | 955.0197 |
| 3/19/2012 16:00 | 2.552986 | 153.418 | 21.35832 | 21.31928 | 263.9446 | -230.6992 | 1.3008 | 58.62183 | 0 | 954.866 |
| 3/19/2012 17:00 | 2.608459 | 153.2309 | 19.88323 | 20.3344 | 263.4295 | -234.5988 | 0.00001 | 59.40174 | 0 | 954.4429 |
| 3/19/2012 18:00 | 2.782889 | 157.0948 | 17.72841 | 18.97627 | 263.9952 | -234.118 | 0.00001 | 67.67709 | 0 | 954.5212 |
| 3/19/2012 19:00 | 2.325429 | 158.1277 | 15.23911 | 16.10637 | 263.5827 | -233.912 | 0.00001 | 78.22655 | 0 | 954.6555 |
| 3/19/2012 20:00 | 1.883738 | 156.5466 | 12.76843 | 13.1304 | 263.5168 | -232.6757 | 0.00001 | 88.91641 | 0 | 954.5291 |
| 3/19/2012 21:00 | 2.160475 | 155.4537 | 14.64824 | 12.82046 | 263.2279 | -233.0725 | 0.00001 | 85.16946 | 0 | 954.4786 |
| 3/19/2012 22:00 | 2.448478 | 153.96 | 14.9773 | 13.20994 | 263.2095 | -232.9123 | 0.00001 | 84.7879 | 0 | 954.2975 |
| 3/19/2012 23:00 | 2.575939 | 155.0501 | 14.62169 | 12.98092 | 263.2235 | -233.0344 | 0.00001 | 91.44389 | 0 | 954.3195 |
| 3/20/2012 0:00 | 2.157689 | 152.1956 | 13.87503 | 11.39893 | 263.1819 | -233.1946 | 0.00001 | 92.89383 | 0 | 953.9897 |
| 3/20/2012 1:00 | 2.510553 | 154.0658 | 14.79449 | 11.87367 | 263.0194 | -233.0954 | 0.00001 | 87.6069 | 0 | 953.8972 |
| 3/20/2012 2:00 | 2.574237 | 153.8491 | 14.133 | 12.9537 | 262.996 | -233.6067 | 0.00001 | 88.59438 | 0 | 953.8276 |
| 3/20/2012 3:00 | 2.473228 | 155.4371 | 14.37577 | 12.52302 | 262.9957 | -232.9199 | 0.00001 | 90.34805 | 0 | 953.8848 |
| 3/20/2012 4:00 | 2.282658 | 154.2755 | 14.05437 | 11.99928 | 263.0553 | -233.2404 | 0.00001 | 93.05104 | 0 | 953.73 |
| 3/20/2012 5:00 | 2.102559 | 155.5754 | 15.1744 | 12.05451 | 262.8547 | -232.9809 | 0.00001 | 91.68656 | 0 | 953.8246 |
| 3/20/2012 6:00 | 1.609603 | 156.6908 | 16.4337 | 12.14681 | 262.818 | -232.5688 | 0.00001 | 93.11666 | 0 | 954.0898 |
| 3/20/2012 7:00 | 1.72662 | 159.4505 | 18.30491 | 12.02607 | 262.7257 | -232.5688 | 0.00001 | 96.60721 | 0 | 954.579 |
| 3/20/2012 8:00 | 1.634251 | 165.4771 | 23.99041 | 12.83639 | 262.81 | -232.9046 | 0.00001 | 94.21709 | 0 | 954.8307 |
| 3/20/2012 9:00 | 1.960789 | 167.8553 | 26.60574 | 13.5223 | 263.0025 | -233.1336 | 0.00001 | 85.58308 | 0 | 954.8293 |
| 3/20/2012 10:00 | 2.354831 | 186.2049 | 29.6002 | 14.25013 | 263.1526 | -233.248 | 0.00001 | 78.79584 | 0 | 954.9667 |
| 3/20/2012 11:00 | 2.424186 | 190.2635 | 35.66384 | 15.49878 | 263.614 | -247.0606 | 0.00001 | 61.95669 | 0 | 955.6713 |
| 3/20/2012 12:00 | 2.561647 | 203.8056 | 38.93051 | 16.93161 | 262.7316 | -231.9049 | 0.0951 | 54.50248 | 0 | 956.2432 |
| 3/20/2012 13:00 | 3.227248 | 229.7672 | 36.53111 | 15.40899 | 262.3667 | -228.5167 | 3.4833 | 43.8004 | 0 | 957.36 |
| 3/20/2012 14:00 | 2.267235 | 203.2953 | 41.13055 | 15.85342 | 264.4084 | -232.1873 | 0.00001 | 32.0162 | 0 | 957.8797 |
| 3/20/2012 15:00 | 2.906242 | 211.3281 | 39.09531 | 15.47303 | 265.8402 | -236.6668 | 0.00001 | 26.97041 | 0 | 958.1087 |
| 3/20/2012 16:00 | 2.70354 | 222.2318 | 37.74201 | 14.24709 | 263.9904 | -234.3774 | 0.00001 | 27.59159 | 0 | 958.8064 |
| 3/20/2012 17:00 | 2.907099 | 243.4801 | 32.19215 | 12.43795 | 263.3418 | -233.6449 | 0.00001 | 32.78238 | 0 | 959.5305 |
| 3/20/2012 18:00 | 1.755825 | 215.8425 | 30.97378 | 10.08052 | 262.8686 | -231.9812 | 0.0188 | 40.73568 | 0 | 960.6061 |
| 3/20/2012 19:00 | 1.335165 | 205.1581 | 28.01846 | 8.308252 | 262.3539 | -232.2407 | 0.00001 | 42.51987 | 0 | 961.2747 |

| | | | | | | | | | | |
|-----------------|-----------|----------|----------|-----------|----------|-----------|---------|-----------|-------|----------|
| 3/20/2012 20:00 | 1.184934 | 193.6503 | 26.62879 | 7.537594 | 262.2709 | -232.2025 | 0.00001 | 42.47866 | 0 | 961.6602 |
| 3/20/2012 21:00 | 1.030134 | 196.6757 | 29.29417 | 7.222808 | 262.1312 | -231.737 | 0.263 | 46.26834 | 0 | 962.0271 |
| 3/20/2012 22:00 | 1.005624 | 204.2063 | 26.31188 | 6.709393 | 262.0914 | -231.8057 | 0.1943 | 48.56535 | 0 | 962.6349 |
| 3/20/2012 23:00 | 0.8171046 | 196.331 | 24.46632 | 5.910853 | 262.1553 | -232.4849 | 0.00001 | 54.97562 | 0 | 962.5252 |
| 3/21/2012 0:00 | 0.6297187 | 179.0126 | 11.17811 | 3.851342 | 261.9296 | -232.0042 | 0.00001 | 64.68716 | 0 | 962.5398 |
| 3/21/2012 1:00 | 0.7855949 | 164.4222 | 12.38204 | 1.918138 | 261.7801 | -231.2868 | 0.7132 | 77.75951 | 0 | 962.5683 |
| 3/21/2012 2:00 | 0.9579367 | 158.5564 | 13.16763 | 1.25079 | 261.6044 | -231.7218 | 0.2782 | 81.28058 | 0 | 962.6823 |
| 3/21/2012 3:00 | 1.410597 | 157.3499 | 14.00039 | 0.2133047 | 261.5562 | -231.1723 | 0.8277 | 80.17557 | 0 | 962.1752 |
| 3/21/2012 4:00 | 1.380953 | 173.798 | 20.51559 | 1.659794 | 261.5075 | -231.7523 | 0.2477 | 72.70151 | 0 | 962.139 |
| 3/21/2012 5:00 | 1.074046 | 171.5933 | 21.67319 | 1.719671 | 261.4857 | -230.89 | 1.11 | 73.40969 | 0 | 961.8965 |
| 3/21/2012 6:00 | 1.647558 | 154.1892 | 21.30046 | 0.6819568 | 261.5583 | -231.592 | 0.408 | 79.36056 | 0 | 961.726 |
| 3/21/2012 7:00 | 2.300916 | 153.542 | 15.9281 | 1.430979 | 261.5072 | -231.8668 | 0.1332 | 69.25981 | 0 | 961.015 |
| 3/21/2012 8:00 | 2.273484 | 156.1753 | 19.90951 | 4.01865 | 262.0373 | -232.1491 | 0.00001 | 51.51255 | 0 | 960.6712 |
| 3/21/2012 9:00 | 2.312874 | 181.5203 | 35.68192 | 8.365087 | 262.6756 | -238.6891 | 0.00001 | 38.53329 | 0 | 960.3236 |
| 3/21/2012 10:00 | 2.597452 | 190.1121 | 35.52126 | 11.04053 | 263.4303 | -234.8888 | 0.00001 | 36.46827 | 0 | 959.8645 |
| 3/21/2012 11:00 | 2.550601 | 196.3227 | 34.48304 | 12.70293 | 262.0305 | -229.9131 | 2.0869 | 31.66058 | 0 | 959.5718 |
| 3/21/2012 12:00 | 2.690181 | 209.8644 | 39.9224 | 14.57406 | 263.7356 | -230.7068 | 1.2932 | 29.37426 | 0 | 959.373 |
| 3/21/2012 13:00 | 2.944942 | 212.8892 | 38.63693 | 15.86457 | 263.7089 | -233.1946 | 0.00001 | 26.47132 | 0 | 958.6039 |
| 3/21/2012 14:00 | 4.797847 | 254.8014 | 30.06526 | 15.32303 | 263.3976 | -229.524 | 2.476 | 30.27474 | 0 | 958.7924 |
| 3/21/2012 15:00 | 4.637382 | 269.1331 | 25.35079 | 13.10138 | 262.6356 | -241.6653 | 0.00001 | 33.54245 | 0 | 959.7503 |
| 3/21/2012 16:00 | 4.38934 | 254.1848 | 29.14419 | 13.33253 | 264.3644 | -230.371 | 1.629 | 31.22865 | 0 | 960.6824 |
| 3/21/2012 17:00 | 3.919992 | 257.4057 | 28.81581 | 12.7628 | 263.2816 | -233.6372 | 0.00001 | 30.8013 | 0 | 961.6481 |
| 3/21/2012 18:00 | 3.150798 | 262.4243 | 27.79515 | 11.47231 | 263.0621 | -232.8665 | 0.00001 | 34.14532 | 0 | 962.7669 |
| 3/21/2012 19:00 | 1.914976 | 271.3579 | 21.16577 | 9.533279 | 262.7446 | -232.3933 | 0.00001 | 37.50918 | 0 | 964.2477 |
| 3/21/2012 20:00 | 1.308823 | 237.969 | 28.09921 | 7.976581 | 262.2736 | -232.5231 | 0.00001 | 39.65662 | 0 | 965.6963 |
| 3/21/2012 21:00 | 1.365388 | 226.3063 | 30.98277 | 7.224236 | 262.2831 | -232.2712 | 0.00001 | 42.94722 | 0 | 966.5376 |
| 3/21/2012 22:00 | 1.160995 | 225.0846 | 30.67023 | 5.711493 | 261.8769 | -232.027 | 0.00001 | 46.28514 | 0 | 967.4403 |
| 3/21/2012 23:00 | 1.360876 | 289.3769 | 27.18348 | 3.750447 | 261.9528 | -231.9355 | 0.0645 | 57.47409 | 0 | 968.3698 |
| 3/22/2012 0:00 | 1.861436 | 299.393 | 12.65322 | 3.173726 | 261.9908 | -231.9965 | 0.0035 | 59.93135 | 0 | 969.2089 |
| 3/22/2012 1:00 | 1.416887 | 316.4743 | 11.06798 | 2.778871 | 261.9323 | -231.6226 | 0.3774 | 64.30254 | 0 | 969.7563 |
| 3/22/2012 2:00 | 0.3972925 | 69.60754 | 49.74433 | 2.667591 | 261.775 | -231.9889 | 0.0111 | 61.177354 | 0 | 969.5374 |
| 3/22/2012 3:00 | 0.5923485 | 153.6472 | 38.68665 | 2.205101 | 261.8766 | -232.0881 | 0.00001 | 71.17221 | 0 | 970.3576 |
| 3/22/2012 4:00 | 0.6562328 | 349.944 | 58.22116 | 1.72013 | 261.7848 | -231.531 | 0.469 | 69.81232 | 0 | 970.8929 |
| 3/22/2012 5:00 | 0.7154455 | 144.0361 | 12.5259 | 1.672442 | 261.7129 | -231.7065 | 0.2935 | 71.53851 | 0 | 970.9532 |
| 3/22/2012 6:00 | 0.4654164 | 143.9867 | 30.51802 | 1.744168 | 261.7774 | -231.8439 | 0.1561 | 73.36086 | 0 | 971.7248 |
| 3/22/2012 7:00 | 0.5772433 | 90.86664 | 58.25529 | 1.696922 | 261.6775 | -232.0652 | 0.00001 | 74.51775 | 0 | 972.3847 |
| 3/22/2012 8:00 | 0.6173539 | 68.54742 | 49.92924 | 2.436975 | 261.628 | -232.2865 | 0.00001 | 62.94876 | 0 | 972.811 |
| 3/22/2012 9:00 | 1.049294 | 96.60544 | 29.37702 | 4.307128 | 262.0787 | -232.3781 | 0.00001 | 56.29124 | 0 | 973.3204 |
| 3/22/2012 10:00 | 0.8625123 | 111.897 | 30.69355 | 6.541276 | 262.2853 | -225.8915 | 6.1085 | 46.52781 | 0 | 973.2104 |
| 3/22/2012 11:00 | 1.204976 | 127.5761 | 27.07393 | 10.02783 | 264.4498 | -244.5118 | 0.00001 | 38.18684 | 0 | 972.9743 |
| 3/22/2012 12:00 | 1.35412 | 122.2581 | 29.56664 | 12.2498 | 265.0964 | -229.73 | 2.27 | 36.87121 | 0 | 972.8233 |
| 3/22/2012 13:00 | 1.661126 | 322.5086 | 40.52092 | 13.53488 | 262.6802 | -231.6531 | 0.3469 | 35.01376 | 0 | 972.546 |
| 3/22/2012 14:00 | 1.793049 | 316.9412 | 58.09411 | 14.49914 | 264.3372 | -232.0881 | 0.00001 | 29.99391 | 0 | 972.2243 |
| 3/22/2012 15:00 | 1.436856 | 348.1977 | 40.73584 | 15.84442 | 263.7016 | -231.2792 | 0.7208 | 30.10381 | 0 | 971.8915 |
| 3/22/2012 16:00 | 1.402959 | 336.814 | 38.44492 | 16.3211 | 265.0987 | -238.7883 | 0.00001 | 29.61388 | 0 | 971.6952 |
| 3/22/2012 17:00 | 1.290438 | 354.4445 | 26.92661 | 15.92559 | 263.8318 | -234.0646 | 0.00001 | 29.09953 | 0 | 971.7805 |
| 3/22/2012 18:00 | 1.757099 | 8.948019 | 32.86161 | 14.07148 | 263.562 | -233.103 | 0.00001 | 40.26559 | 0 | 971.9803 |
| 3/22/2012 19:00 | 1.834441 | 47.78033 | 29.94839 | 9.881825 | 262.5832 | -232.3246 | 0.00001 | 45.51132 | 0 | 972.4761 |
| 3/22/2012 20:00 | 2.579995 | 60.48949 | 28.32544 | 8.229931 | 262.3162 | -232.2941 | 0.00001 | 47.75644 | 0 | 972.8319 |
| 3/22/2012 21:00 | 2.728963 | 70.88603 | 26.30017 | 6.516443 | 262.1134 | -231.737 | 0.263 | 50.1786 | 0 | 973.0636 |
| 3/22/2012 22:00 | 2.362081 | 79.50813 | 22.35102 | 5.287585 | 261.8938 | -231.8057 | 0.1943 | 52.25889 | 0 | 972.9966 |
| 3/22/2012 23:00 | 2.328762 | 90.12551 | 24.33695 | 4.617519 | 261.7651 | -231.8286 | 0.1714 | 52.70913 | 0 | 972.5782 |
| 3/23/2012 0:00 | 1.980911 | 93.35756 | 23.68896 | 4.110857 | 261.8098 | -231.8286 | 0.1714 | 56.10352 | 0 | 972.2611 |
| 3/23/2012 1:00 | 2.089246 | 96.35061 | 23.48263 | 3.59541 | 261.6418 | -231.9889 | 0.0111 | 57.80986 | 0 | 971.9763 |
| 3/23/2012 2:00 | 2.11129 | 98.00305 | 22.33055 | 3.103601 | 261.599 | -231.4012 | 0.5988 | 59.99851 | 0 | 971.752 |
| 3/23/2012 3:00 | 1.822505 | 93.63929 | 22.96322 | 2.583051 | 261.6384 | -231.1189 | 0.8811 | 62.59467 | 0 | 971.6606 |
| 3/23/2012 4:00 | 2.16289 | 89.1572 | 24.68061 | 2.170972 | 261.5155 | -231.5463 | 0.4537 | 63.74851 | 0 | 971.3953 |
| 3/23/2012 5:00 | 2.26319 | 90.18085 | 25.63681 | 1.744651 | 261.5726 | -231.6302 | 0.3698 | 65.88069 | 0 | 971.1105 |
| 3/23/2012 6:00 | 2.030323 | 109.892 | 24.74144 | 1.969147 | 261.6445 | -231.5997 | 0.4003 | 65.16335 | 0 | 970.7901 |
| 3/23/2012 7:00 | 2.010077 | 110.2604 | 21.17063 | 2.572327 | 261.6789 | -231.9126 | 0.0874 | 64.76958 | 0 | 970.8214 |
| 3/23/2012 8:00 | 1.95031 | 95.43066 | 23.97834 | 3.120224 | 261.7803 | -232.0117 | 0.00001 | 64.74363 | 0 | 971.1191 |
| 3/23/2012 9:00 | 1.741068 | 79.96004 | 24.7557 | 2.198899 | 261.6078 | -231.2639 | 0.7361 | 88.69206 | 0 | 971.2606 |
| 3/23/2012 10:00 | 1.886045 | 90.90978 | 25.07152 | 1.539466 | 261.4355 | -231.3021 | 0.6979 | 96.0715 | 0 | 971.1183 |
| 3/23/2012 11:00 | 1.734627 | 95.81387 | 24.94488 | 1.41253 | 261.6341 | -231.241 | 0.759 | 99.6414 | 0 | 971.0661 |
| 3/23/2012 12:00 | 1.848894 | 116.0656 | 22.42212 | 2.123369 | 261.7149 | -231.5005 | 0.4995 | 100 | 0.254 | 970.7208 |
| 3/23/2012 13:00 | 1.781748 | 117.5506 | 21.2552 | 2.966862 | 261.7655 | -231.9889 | 0.0111 | 99.0202 | 0.254 | 970.5872 |
| 3/23/2012 14:00 | 1.828137 | 107.182 | 27.26831 | 3.830537 | 261.9856 | -232.1644 | 0.00001 | 99.10873 | 0 | 970.1169 |
| 3/23/2012 15:00 | 1.727579 | 102.3046 | 26.2519 | 4.888355 | 262.1006 | -232.0423 | 0.00001 | 96.61331 | 0.254 | 969.5709 |
| 3/23/2012 16:00 | 1.419152 | 71.23714 | 30.67681 | 5.068068 | 262.1162 | -232.2636 | 0.00001 | 96.88498 | 0 | 969.2515 |
| 3/23/2012 17:00 | 1.606902 | 77.57026 | 25.2454 | 4.63161 | 262.0717 | -231.8668 | 0.1332 | 95.32821 | 0 | 969.2742 |
| 3/23/2012 18:00 | 1.166529 | 39.17637 | 31.15649 | 4.209779 | 261.9414 | -231.8439 | 0.1561 | 95.80745 | 0 | 969.5601 |
| 3/23/2012 19:00 | 1.303101 | 47.05134 | 35.31189 | 3.379142 | 261.8549 | -231.8668 | 0.1332 | 95.14201 | 0 | 969.416 |
| 3/23/2012 20:00 | 1.313202 | 41.88185 | 35.52968 | 2.904805 | 261.8 | -231.9965 | 0.0035 | 95.09316 | 0 | 969.4697 |
| 3/23/2012 21:00 | 2.322419 | 81.30028 | 25.41772 | 3.173943 | 261.7558 | -231.8668 | 0.1332 | 89.49944 | 0 | 969.4373 |

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|-----------------|-----------|----------|----------|------------|----------|-----------|---------|----------|-------|----------|
| 3/23/2012 22:00 | 1.974724 | 79.41426 | 25.4887 | 3.238186 | 261.813 | -231.7828 | 0.2172 | 91.08981 | 0 | 969.3127 |
| 3/23/2012 23:00 | 2.165075 | 85.46458 | 23.18443 | 2.985023 | 261.7229 | -231.8897 | 0.1103 | 88.99884 | 0 | 968.8972 |
| 3/24/2012 0:00 | 1.263944 | 73.85831 | 27.3177 | 2.963007 | 261.6989 | -231.386 | 0.614 | 87.31996 | 0 | 968.7617 |
| 3/24/2012 1:00 | 0.9570466 | 42.29293 | 33.27741 | 2.654469 | 261.6957 | -231.7981 | 0.2019 | 88.0724 | 0 | 968.5289 |
| 3/24/2012 2:00 | 0.9962278 | 54.54863 | 30.78139 | 2.304168 | 261.6991 | -231.531 | 0.469 | 87.23449 | 0 | 968.1539 |
| 3/24/2012 3:00 | 1.077383 | 47.41366 | 31.77543 | 2.144555 | 261.6599 | -231.531 | 0.469 | 86.82545 | 0 | 968.0121 |
| 3/24/2012 4:00 | 1.651369 | 84.8888 | 27.84286 | 2.081552 | 261.6133 | -231.0731 | 0.9269 | 87.07729 | 0 | 966.7312 |
| 3/24/2012 5:00 | 1.279555 | 83.66544 | 26.2205 | 2.066993 | 261.6776 | -231.7599 | 0.2401 | 87.02081 | 0 | 966.207 |
| 3/24/2012 6:00 | 1.20547 | 97.77135 | 27.46603 | 2.097976 | 261.6169 | -231.7523 | 0.2477 | 88.46313 | 0 | 965.9668 |
| 3/24/2012 7:00 | 0.9926777 | 106.8394 | 24.73747 | 1.933886 | 261.5942 | -231.8286 | 0.1714 | 97.85873 | 0 | 966.0005 |
| 3/24/2012 8:00 | 1.648633 | 121.7876 | 20.09589 | 2.00402 | 261.5961 | -231.7065 | 0.2935 | 98.87521 | 0.254 | 965.3613 |
| 3/24/2012 9:00 | 1.456406 | 135.8641 | 20.17452 | 2.264467 | 261.6009 | -231.7141 | 0.2859 | 100 | 0 | 964.9433 |
| 3/24/2012 10:00 | 1.358263 | 133.3183 | 19.08882 | 2.699244 | 261.7484 | -231.5234 | 0.4766 | 100 | 0 | 964.2693 |
| 3/24/2012 11:00 | 1.673727 | 138.7621 | 23.677 | 3.628513 | 261.9047 | -232.0347 | 0.00001 | 99.20031 | 0 | 962.7584 |
| 3/24/2012 12:00 | 1.702311 | 145.2794 | 20.74962 | 4.185863 | 261.9507 | -231.8515 | 0.1485 | 99.12399 | 0 | 961.3516 |
| 3/24/2012 13:00 | 1.919558 | 158.3686 | 19.66574 | 4.946587 | 262.0429 | -232.1033 | 0.00001 | 99.76655 | 0.254 | 960.6409 |
| 3/24/2012 14:00 | 1.259091 | 180.4446 | 29.2477 | 5.851512 | 262.1171 | -232.317 | 0.00001 | 98.51197 | 0 | 960.5326 |
| 3/24/2012 15:00 | 3.516728 | 256.1011 | 38.33482 | 6.371194 | 262.0974 | -231.8897 | 0.1103 | 98.62491 | 0 | 960.7739 |
| 3/24/2012 16:00 | 6.162956 | 295.3543 | 15.18598 | 3.188461 | 261.8727 | -231.4623 | 0.5377 | 93.09072 | 0 | 962.7565 |
| 3/24/2012 17:00 | 5.604287 | 296.4871 | 14.00149 | 1.918197 | 261.788 | -231.5692 | 0.4308 | 88.1945 | 0 | 964.0007 |
| 3/24/2012 18:00 | 5.831942 | 297.956 | 14.03987 | 0.09458875 | 261.4954 | -231.3097 | 0.6903 | 92.83125 | 0 | 965.3843 |
| 3/24/2012 19:00 | 6.317815 | 301.4531 | 13.63489 | -1.295449 | 261.3477 | -231.0426 | 0.9574 | 89.49792 | 0 | 966.6328 |
| 3/24/2012 20:00 | 7.692852 | 303.4453 | 12.8473 | -2.941829 | 261.2125 | -231.0579 | 0.9421 | 90.73724 | 0.254 | 967.867 |
| 3/24/2012 21:00 | 6.66727 | 304.5155 | 13.90944 | -4.385576 | 261.0012 | -230.5695 | 1.4305 | 88.14108 | 0 | 968.9956 |
| 3/24/2012 22:00 | 6.199158 | 307.482 | 13.93298 | -5.369854 | 260.9172 | -230.7373 | 1.2627 | 83.48907 | 0 | 969.7618 |
| 3/24/2012 23:00 | 4.235893 | 315.7485 | 15.7625 | -6.123665 | 260.7439 | -230.8824 | 1.1176 | 81.28058 | 0 | 970.3594 |
| 3/25/2012 0:00 | 4.056552 | 316.4248 | 15.28654 | -7.006279 | 260.7285 | -230.9968 | 1.0032 | 80.9097 | 0 | 970.8138 |
| 3/25/2012 1:00 | 4.118536 | 312.1624 | 14.55136 | -7.695837 | 260.5679 | -230.7907 | 1.2093 | 79.36208 | 0 | 971.1588 |
| 3/25/2012 2:00 | 4.025117 | 313.0797 | 16.09543 | -8.541333 | 260.537 | -231.1036 | 0.8964 | 79.91152 | 0 | 971.8648 |
| 3/25/2012 3:00 | 4.08735 | 311.1817 | 14.93992 | -8.969249 | 260.4088 | -230.0963 | 1.9037 | 78.65542 | 0 | 972.2341 |
| 3/25/2012 4:00 | 3.604314 | 318.4852 | 17.71193 | -9.761441 | 260.4455 | -230.6 | 1.4 | 77.38711 | 0 | 972.868 |
| 3/25/2012 5:00 | 3.763465 | 319.1844 | 18.46654 | -10.69259 | 260.2843 | -230.0276 | 1.9724 | 77.84499 | 0 | 973.7775 |
| 3/25/2012 6:00 | 3.756575 | 315.6939 | 16.34752 | -11.99754 | 260.1671 | -230.2413 | 1.7587 | 76.92923 | 0 | 974.8259 |
| 3/25/2012 7:00 | 3.118566 | 321.9071 | 23.04544 | -12.41988 | 260.1922 | -230.6916 | 1.3084 | 74.64901 | 0 | 975.7312 |
| 3/25/2012 8:00 | 2.869087 | 331.561 | 21.54965 | -12.41351 | 260.3449 | -230.6381 | 1.3619 | 70.50677 | 0 | 976.2193 |
| 3/25/2012 9:00 | 2.601057 | 338.0891 | 24.58045 | -11.57998 | 260.774 | -231.0121 | 0.9879 | 69.10108 | 0.254 | 976.9138 |
| 3/25/2012 10:00 | 2.85103 | 324.7655 | 21.07316 | -10.66464 | 260.2987 | -227.1125 | 4.8875 | 65.45639 | 0 | 977.5783 |
| 3/25/2012 11:00 | 2.5248 | 331.1021 | 25.23262 | -9.070291 | 261.8958 | -225.5481 | 6.4519 | 59.0965 | 0 | 978.0502 |
| 3/25/2012 12:00 | 2.432488 | 311.9705 | 23.84677 | -7.563848 | 260.8369 | -237.8115 | 0.00001 | 54.16059 | 0 | 978.2722 |
| 3/25/2012 13:00 | 1.689955 | 318.2431 | 35.75614 | -5.905522 | 260.9425 | -228.6617 | 3.3383 | 51.68501 | 0 | 978.3101 |
| 3/25/2012 14:00 | 1.469002 | 303.3486 | 27.71101 | -4.297334 | 264.2169 | -226.4028 | 5.5972 | 47.67555 | 0 | 978.4164 |
| 3/25/2012 15:00 | 1.978117 | 326.249 | 30.51683 | -2.801648 | 262.1368 | -230.7755 | 1.2245 | 44.59557 | 0 | 978.8058 |
| 3/25/2012 16:00 | 1.725822 | 318.5441 | 33.76431 | -1.949438 | 261.7019 | -229.2187 | 2.7813 | 43.93623 | 0 | 978.8018 |
| 3/25/2012 17:00 | 1.221993 | 301.7085 | 31.40415 | -1.63202 | 261.5801 | -232.3246 | 0.00001 | 44.40174 | 0 | 978.9022 |
| 3/25/2012 18:00 | 0.7127994 | 347.3892 | 36.91511 | -2.057096 | 261.8048 | -231.6913 | 0.3087 | 49.76041 | 0 | 979.1232 |
| 3/25/2012 19:00 | 0.4263482 | 13.73506 | 21.19281 | -3.453383 | 260.9235 | -230.4626 | 1.5374 | 56.21035 | 0 | 979.3455 |
| 3/25/2012 20:00 | 0.6710004 | 61.48672 | 29.17041 | -4.817196 | 260.6739 | -231.1265 | 0.8735 | 64.91763 | 0 | 979.6469 |
| 3/25/2012 21:00 | 0.4644726 | 106.6976 | 13.23603 | -6.773674 | 260.6692 | -230.2794 | 1.7206 | 74.52691 | 0 | 980.2095 |
| 3/25/2012 22:00 | 0.3329108 | 96.70005 | 11.69026 | -7.843312 | 260.3004 | -229.73 | 2.27 | 82.56873 | 0 | 980.5358 |
| 3/25/2012 23:00 | 0.8903616 | 83.46413 | 19.55566 | -8.184535 | 260.2238 | -229.7834 | 2.2166 | 80.73266 | 0 | 980.7055 |
| 3/26/2012 0:00 | 0.8569059 | 123.3126 | 21.83226 | -9.187281 | 260.327 | -230.0734 | 1.9266 | 84.82759 | 0 | 980.7889 |
| 3/26/2012 1:00 | 1.17828 | 127.6128 | 15.16074 | -9.689606 | 260.1849 | -229.9666 | 2.0334 | 89.01562 | 0 | 980.9225 |
| 3/26/2012 2:00 | 1.061773 | 137.4327 | 12.22843 | -10.23647 | 260.1239 | -230.1497 | 1.8503 | 92.28638 | 0 | 980.9732 |
| 3/26/2012 3:00 | 0.9377646 | 134.6541 | 11.39761 | -10.94542 | 260.028 | -229.73 | 2.27 | 94.08736 | 0 | 980.8958 |
| 3/26/2012 4:00 | 1.114322 | 136.3971 | 15.90179 | -11.19871 | 259.9763 | -230.1039 | 1.8961 | 92.81752 | 0 | 980.7263 |
| 3/26/2012 5:00 | 0.9722868 | 146.7483 | 10.05128 | -11.24477 | 259.9818 | -229.814 | 2.186 | 93.02509 | 0 | 980.7572 |
| 3/26/2012 6:00 | 0.8653264 | 138.1294 | 10.22019 | -11.91479 | 260.0158 | -230.0887 | 1.9113 | 91.84835 | 0 | 980.5889 |
| 3/26/2012 7:00 | 1.093579 | 138.3245 | 12.53444 | -11.22789 | 260.0244 | -230.4321 | 1.5679 | 85.11452 | 0 | 980.5545 |
| 3/26/2012 8:00 | 1.319695 | 142.646 | 18.91457 | -7.410211 | 260.8524 | -231.2868 | 0.7132 | 68.66305 | 0 | 980.4648 |
| 3/26/2012 9:00 | 1.845627 | 149.616 | 23.55805 | -4.084422 | 261.3742 | -229.4782 | 2.5218 | 54.56505 | 0 | 980.004 |
| 3/26/2012 10:00 | 2.188103 | 147.0903 | 25.32824 | -1.476786 | 261.9721 | -232.1491 | 0.00001 | 44.24911 | 0 | 979.4069 |
| 3/26/2012 11:00 | 2.21262 | 141.8258 | 25.41733 | 0.6095169 | 263.5397 | -228.509 | 3.491 | 39.37426 | 0 | 978.5609 |
| 3/26/2012 12:00 | 2.382168 | 147.7297 | 25.9196 | 2.709127 | 260.13 | -241.7722 | 0.00001 | 36.1325 | 0 | 977.3532 |
| 3/26/2012 13:00 | 2.689876 | 146.8372 | 27.12957 | 4.453897 | 263.9405 | -231.6378 | 0.3622 | 29.93592 | 0 | 975.9071 |
| 3/26/2012 14:00 | 2.51358 | 147.3425 | 25.09481 | 6.135174 | 262.7611 | -227.2575 | 4.7425 | 25.8654 | 0 | 974.4218 |
| 3/26/2012 15:00 | 3.045416 | 153.4523 | 21.72544 | 7.050711 | 262.6174 | -238.132 | 0.00001 | 24.83671 | 0 | 973.0342 |
| 3/26/2012 16:00 | 3.24673 | 151.7347 | 22.26163 | 7.084665 | 262.9448 | -229.3713 | 2.6287 | 28.51955 | 0 | 971.8247 |
| 3/26/2012 17:00 | 2.757963 | 152.3164 | 22.96873 | 6.57505 | 263.0563 | -229.1958 | 2.8042 | 27.7549 | 0 | 970.6596 |
| 3/26/2012 18:00 | 2.577646 | 152.0699 | 20.77626 | 4.847377 | 262.4328 | -232.0117 | 0.00001 | 37.88922 | 0 | 969.7263 |
| 3/26/2012 19:00 | 1.817347 | 147.3553 | 20.23991 | 2.302919 | 261.9059 | -231.9126 | 0.0874 | 46.42402 | 0 | 968.9177 |
| 3/26/2012 20:00 | 2.128439 | 143.1055 | 21.49015 | 2.078843 | 261.6901 | -231.8362 | 0.1638 | 43.41883 | 0 | 968.137 |
| 3/26/2012 21:00 | 2.240901 | 144.9869 | 23.09364 | 2.583631 | 261.8757 | -232.1644 | 0.00001 | 46.1905 | 0 | 966.8499 |
| 3/26/2012 22:00 | 2.760862 | 151.4194 | 21.15775 | 2.562275 | 261.8018 | -231.5386 | 0.4614 | 44.82909 | 0 | 965.244 |
| 3/26/2012 23:00 | 3.106517 | 154.2269 | 20.29811 | 2.93019 | 261.8754 | -231.7447 | 0.2553 | 42.58244 | 0 | 964.2346 |

| | | | | | | | | | | |
|-----------------|------------|----------|-----------|-------------|----------|-----------|---------|----------|----------|----------|
| 3/27/2012 0:00 | 3.282422 | 155.2496 | 20.44374 | 2.858178 | 261.7892 | -231.7981 | 0.2019 | 49.14838 | 0 | 963.1061 |
| 3/27/2012 1:00 | 3.651587 | 154.9994 | 19.44061 | 1.038238 | 261.585 | -231.4852 | 0.5148 | 92.78394 | 0 | 961.4586 |
| 3/27/2012 2:00 | 2.842656 | 152.9028 | 20.27838 | 0.02555325 | 261.4049 | -231.3021 | 0.6979 | 90.13284 | 0 | 960.4126 |
| 3/27/2012 3:00 | 2.735657 | 154.6024 | 19.32136 | 0.04460874 | 261.2156 | -231.1723 | 0.8277 | 98.72564 | 2.286 | 959.4164 |
| 3/27/2012 4:00 | 1.581471 | 153.8925 | 21.59605 | -0.01554513 | 261.2459 | -231.6455 | 0.3545 | 97.34438 | 5.842001 | 959.2021 |
| 3/27/2012 5:00 | 0.9654763 | 151.7105 | 6.25071 | -0.1880903 | 261.3506 | -231.0884 | 0.9116 | 98.47381 | 1.016 | 958.5338 |
| 3/27/2012 6:00 | 1.161833 | 137.8462 | 24.75986 | -0.4241498 | 261.1592 | -230.7373 | 1.2627 | 98.37003 | 0.508 | 956.6646 |
| 3/27/2012 7:00 | 1.250455 | 129.6441 | 24.29017 | -0.7099579 | 260.9049 | -230.8289 | 1.1711 | 99.67039 | 0 | 954.6849 |
| 3/27/2012 8:00 | 1.122855 | 134.2776 | 21.93988 | -0.4031529 | 260.9507 | -231.0197 | 0.9803 | 100 | 0.508 | 953.5714 |
| 3/27/2012 9:00 | 0.8240982 | 125.677 | 23.42721 | -0.06378271 | 260.89 | -231.0807 | 0.9193 | 100 | 0 | 953.0983 |
| 3/27/2012 10:00 | 1.044675 | 117.807 | 22.87836 | 0.01235905 | 261.2896 | -231.325 | 0.675 | 100 | 0.254 | 951.7454 |
| 3/27/2012 11:00 | 0.3688231 | 127.724 | 16.49832 | 0.2677897 | 261.2384 | -231.3402 | 0.6598 | 100 | 1.27 | 950.8116 |
| 3/27/2012 12:00 | 0 | 0 | 0 | 0.3775789 | 261.2723 | -231.6683 | 0.3317 | 100 | 0.508 | 949.9155 |
| 3/27/2012 13:00 | 0 | 0 | 0 | 0.4482147 | 261.3837 | -231.5386 | 0.4614 | 100 | 0 | 949.1091 |
| 3/27/2012 14:00 | 0 | 0 | 0 | 0.4849923 | 261.3252 | -231.4776 | 0.5224 | 100 | 0 | 948.6011 |
| 3/27/2012 15:00 | 0 | 0 | 0 | 0.4505792 | 261.3496 | -231.0197 | 0.9803 | 100 | 3.048 | 948.6491 |
| 3/27/2012 16:00 | 0 | 0 | 0 | 0.3648937 | 261.4731 | -233.2175 | 0.00001 | 100 | 1.524 | 949.1071 |
| 3/27/2012 17:00 | 0 | 0 | 0 | 0.3994634 | 260.1674 | -225.8915 | 6.1085 | 100 | 4.064 | 949.6141 |
| 3/27/2012 18:00 | 0.00084483 | 310.5335 | 0.5679815 | 0.4142374 | 255.13 | -225.0291 | 6.9709 | 100 | 0.762 | 950.4676 |
| 3/27/2012 19:00 | 0 | 0 | 0 | 0.2597166 | 240.1687 | -222.7932 | 9.2068 | 100 | 0.762 | 951.0911 |
| 3/27/2012 20:00 | 0 | 0 | 0 | 0.1390286 | 253.7009 | -224.8689 | 7.1311 | 100 | 0 | 952.3106 |
| 3/27/2012 21:00 | 0 | 0 | 0 | -0.01130793 | 174.2711 | -228.5395 | 3.4605 | 99.18962 | 8.382002 | 953.4688 |
| 3/27/2012 22:00 | 0 | 0 | 0 | -0.1477749 | 234.3327 | -226.937 | 5.063 | 98.73022 | 0 | 954.3585 |
| 3/27/2012 23:00 | 0 | 0 | 0 | -0.219828 | 254.9506 | -223.9684 | 8.0316 | 97.43596 | 0 | 955.4293 |
| 3/28/2012 0:00 | 0 | 0 | 0 | -0.3351183 | 253.7162 | -223.5182 | 8.4818 | 98.47533 | 0 | 956.7891 |
| 3/28/2012 1:00 | 0 | 0 | 0 | -0.2749698 | 252.8648 | -222.0072 | 9.9928 | 99.72533 | 0 | 957.8832 |
| 3/28/2012 2:00 | 0 | 0 | 0 | -0.2158818 | 251.9544 | -221.8393 | 10.1607 | 99.55898 | 0 | 958.7341 |
| 3/28/2012 3:00 | 0 | 0 | 0 | -0.3874542 | 252.5562 | -222.3735 | 9.6265 | 98.84774 | 0 | 959.5793 |
| 3/28/2012 4:00 | 0 | 0 | 0 | -0.6166288 | 253.153 | -223.6937 | 8.3063 | 99.30562 | 0 | 960.3632 |
| 3/28/2012 5:00 | 0 | 0 | 0 | -1.003185 | 254.122 | -224.3729 | 7.6271 | 98.46008 | 0 | 961.6417 |
| 3/28/2012 6:00 | 0 | 0 | 0 | -1.454569 | 254.6059 | -225.8076 | 6.1924 | 99.33614 | 0 | 962.918 |
| 3/28/2012 7:00 | 0 | 0 | 0 | -1.805524 | 255.6725 | -224.8689 | 7.1311 | 97.38254 | 0 | 964.2525 |
| 3/28/2012 8:00 | 0 | 0 | 0 | -1.79253 | 255.1755 | -226.9751 | 5.0249 | 94.55287 | 0 | 965.0815 |
| 3/28/2012 9:00 | 0 | 0 | 0 | -1.648801 | 255.4334 | -225.2123 | 6.7877 | 91.66215 | 0 | 965.94 |
| 3/28/2012 10:00 | 0 | 0 | 0 | -1.15106 | 255.2527 | -224.4492 | 7.5508 | 87.64047 | 0 | 966.8762 |
| 3/28/2012 11:00 | 0 | 0 | 0 | -0.8393931 | 254.1836 | -224.2279 | 7.7721 | 83.5379 | 0 | 967.7049 |
| 3/28/2012 12:00 | 0 | 0 | 0 | -0.6150757 | 254.2861 | -223.9913 | 8.0087 | 89.17588 | 0 | 968.2352 |
| 3/28/2012 13:00 | 0 | 0 | 0 | -0.8222723 | 256.2806 | -224.3347 | 7.6653 | 83.68443 | 0 | 968.9575 |
| 3/28/2012 14:00 | 0 | 0 | 0 | -1.085313 | 254.3287 | -224.4721 | 7.5279 | 88.0892 | 0 | 969.5551 |
| 3/28/2012 15:00 | 0 | 0 | 0 | -0.6894855 | 254.653 | -224.5179 | 7.4821 | 89.6887 | 0 | 970.0635 |
| 3/28/2012 16:00 | 0 | 0 | 0 | -1.269721 | 254.8511 | -225.1513 | 6.8487 | 93.48296 | 0 | 970.4422 |
| 3/28/2012 17:00 | 0 | 0 | 0 | -1.354646 | 255.1331 | -224.7239 | 7.2761 | 89.49792 | 0 | 970.9416 |
| 3/28/2012 18:00 | 0 | 0 | 0 | -1.495867 | 254.8398 | -224.4187 | 7.5813 | 92.51379 | 0 | 971.455 |
| 3/28/2012 19:00 | 0 | 0 | 0 | -2.379673 | 254.4126 | -224.0905 | 7.9095 | 92.75189 | 0 | 972.0061 |
| 3/28/2012 20:00 | 0 | 0 | 0 | -2.86234 | 254.4197 | -224.06 | 7.94 | 88.87674 | 0 | 972.4498 |
| 3/28/2012 21:00 | 0 | 0 | 0 | -3.099004 | 254.4681 | -224.5102 | 7.4898 | 91.76135 | 0 | 973.0062 |
| 3/28/2012 22:00 | 0 | 0 | 0 | -3.267061 | 254.8745 | -224.9986 | 7.0014 | 92.613 | 0 | 973.6434 |
| 3/28/2012 23:00 | 0 | 0 | 0 | -3.638809 | 255.334 | -225.6168 | 6.3832 | 92.30928 | 0 | 973.8793 |
| 3/29/2012 0:00 | 0 | 0 | 0 | -3.906299 | 255.709 | -225.2734 | 6.7266 | 92.39169 | 0 | 974.2464 |
| 3/29/2012 1:00 | 0 | 0 | 0 | -4.103314 | 255.1653 | -225.2886 | 6.7114 | 94.16825 | 0 | 974.3252 |
| 3/29/2012 2:00 | 0 | 0 | 0 | -4.525434 | 255.5122 | -225.2734 | 6.7266 | 92.64047 | 0 | 974.3773 |
| 3/29/2012 3:00 | 0 | 0 | 0 | -4.842514 | 255.5026 | -224.8002 | 7.1998 | 91.93229 | 0 | 974.3239 |
| 3/29/2012 4:00 | 0 | 0 | 0 | -5.015859 | 255.4802 | -225.0444 | 6.9556 | 91.70335 | 0 | 974.7229 |
| 3/29/2012 5:00 | 0 | 0 | 0 | -4.999052 | 255.1636 | -224.9376 | 7.0624 | 93.51655 | 0 | 974.8395 |
| 3/29/2012 6:00 | 0 | 0 | 0 | -5.056136 | 255.0065 | -224.7086 | 7.2914 | 93.01593 | 0 | 975.2536 |
| 3/29/2012 7:00 | 0 | 0 | 0 | -5.156479 | 255.0956 | -225.4107 | 6.5893 | 93.34103 | 0 | 975.736 |
| 3/29/2012 8:00 | 0 | 0 | 0 | -4.923647 | 255.0544 | -224.8078 | 7.1922 | 90.98754 | 0 | 975.3152 |
| 3/29/2012 9:00 | 0 | 0 | 0 | -4.124753 | 255.4207 | -225.6168 | 6.3832 | 88.24944 | 0 | 974.6291 |
| 3/29/2012 10:00 | 0 | 0 | 0 | -3.162893 | 255.8935 | -226.8378 | 5.1622 | 85.50372 | 0 | 974.4539 |
| 3/29/2012 11:00 | 0 | 0 | 0 | -2.813491 | 256.1633 | -226.8607 | 5.1393 | 85.5434 | 0 | 974.3138 |
| 3/29/2012 12:00 | 0 | 0 | 0 | -2.313964 | 256.3785 | -227.2041 | 4.7959 | 86.04858 | 0 | 974.7338 |
| 3/29/2012 13:00 | 0 | 0 | 0 | -2.005177 | 256.9674 | -228.0588 | 3.9412 | 86.00585 | 0 | 973.6782 |
| 3/29/2012 14:00 | 0.08855667 | 117.8956 | 5.361445 | -1.656242 | 256.6829 | -227.578 | 4.422 | 84.65512 | 0 | 972.8901 |
| 3/29/2012 15:00 | 1.109991 | 125.0782 | 24.77032 | -1.72426 | 257.1927 | -226.2883 | 5.7117 | 87.81447 | 0 | 972.2943 |
| 3/29/2012 16:00 | 0.7314618 | 121.4855 | 19.57318 | -1.954507 | 256.6736 | -226.3417 | 5.6583 | 88.93016 | 0 | 971.5535 |
| 3/29/2012 17:00 | 0.5309848 | 111.516 | 15.74692 | -2.377395 | 256.2164 | -225.7236 | 6.2764 | 90.74334 | 0 | 970.7951 |
| 3/29/2012 18:00 | 0.6941291 | 106.9389 | 17.9635 | -2.869377 | 255.9663 | -225.5481 | 6.4519 | 92.39932 | 0 | 970.2818 |
| 3/29/2012 19:00 | 0.6515787 | 111.4558 | 16.36072 | -3.345003 | 255.5654 | -225.2123 | 6.7877 | 92.71526 | 0 | 969.7691 |
| 3/29/2012 20:00 | 1.336488 | 114.497 | 22.81299 | -3.754095 | 255.3745 | -225.426 | 6.574 | 93.26318 | 0 | 969.0195 |
| 3/29/2012 21:00 | 1.123339 | 116.2453 | 22.01873 | -3.902573 | 255.4046 | -225.4489 | 6.5511 | 92.3047 | 0 | 968.688 |
| 3/29/2012 22:00 | 0.78584 | 122.4217 | 17.76028 | -3.927239 | 255.6271 | -225.7236 | 6.2764 | 92.44206 | 0 | 968.397 |
| 3/29/2012 23:00 | 0.0878062 | 123.4697 | 8.284556 | -3.940831 | 255.8638 | -226.2044 | 5.7956 | 92.64506 | 0 | 968.0033 |
| 3/30/2012 0:00 | 0.01829516 | 120.8648 | 7.22464 | -3.930043 | 256.0396 | -226.1357 | 5.8643 | 92.86636 | 0 | 967.3713 |
| 3/30/2012 1:00 | 0.01620187 | 123.3034 | 6.150242 | -3.868296 | 256.1433 | -226.6699 | 5.3301 | 96.22106 | 0 | 966.8135 |

| | | | | | | | | | | |
|-----------------|------------|----------|----------|-------------|----------|-----------|---------|----------|-------|----------|
| 3/30/2012 2:00 | 0.7930404 | 115.2831 | 15.82138 | -3.748112 | 254.5575 | -225.2352 | 6.7648 | 96.64231 | 0 | 966.2466 |
| 3/30/2012 3:00 | 0.946188 | 119.5138 | 18.28703 | -3.673851 | 256.517 | -225.2199 | 6.7801 | 96.81783 | 0 | 965.7461 |
| 3/30/2012 4:00 | 0.5454973 | 119.869 | 14.44275 | -3.588072 | 258.2875 | -228.8906 | 3.1094 | 96.62552 | 0 | 965.511 |
| 3/30/2012 5:00 | 0.01300093 | 119.3729 | 5.469752 | -3.502431 | 255.0107 | -223.5716 | 8.4284 | 96.60721 | 0 | 965.0898 |
| 3/30/2012 6:00 | 0.8501226 | 118.6746 | 17.05962 | -3.412032 | 254.2708 | -225.2047 | 6.7953 | 96.55226 | 0 | 965.026 |
| 3/30/2012 7:00 | 0.2385235 | 118.7459 | 12.20515 | -3.099059 | 254.4869 | -224.0905 | 7.9095 | 94.2293 | 0 | 965.1832 |
| 3/30/2012 8:00 | 1.361591 | 122.1358 | 21.97543 | -2.552802 | 254.6264 | -225.1436 | 6.8564 | 91.42558 | 0 | 965.2407 |
| 3/30/2012 9:00 | 0.9689417 | 125.7161 | 19.19983 | -1.528242 | 256.8375 | -226.006 | 5.994 | 90.23357 | 0 | 964.9818 |
| 3/30/2012 10:00 | 1.196387 | 125.9126 | 22.74583 | -0.6672469 | 254.8093 | -227.433 | 4.567 | 86.00585 | 0 | 964.8426 |
| 3/30/2012 11:00 | 1.604805 | 130.1765 | 26.29446 | 0.5962448 | 254.2642 | -222.9993 | 9.0007 | 84.25066 | 0 | 964.7784 |
| 3/30/2012 12:00 | 1.635227 | 129.4337 | 25.05887 | 1.091366 | 255.7699 | -228.944 | 3.056 | 82.63741 | 0 | 964.7872 |
| 3/30/2012 13:00 | 2.277478 | 122.7531 | 23.44453 | 1.067079 | 257.5494 | -228.8906 | 3.1094 | 86.19358 | 0 | 964.4537 |
| 3/30/2012 14:00 | 2.300875 | 124.1822 | 23.77176 | 1.286163 | 257.3749 | -228.5701 | 3.4299 | 83.27691 | 0 | 964.2126 |
| 3/30/2012 15:00 | 2.111015 | 125.1921 | 24.07854 | 1.657293 | 256.5013 | -227.1277 | 4.8723 | 85.44878 | 0 | 964.123 |
| 3/30/2012 16:00 | 1.907133 | 128.0524 | 23.68053 | 1.447024 | 257.3984 | -228.3259 | 3.6741 | 87.6191 | 0 | 964.2992 |
| 3/30/2012 17:00 | 1.649577 | 130.8927 | 24.02474 | 1.451444 | 257.8787 | -226.9675 | 5.0325 | 90.7815 | 0 | 964.3394 |
| 3/30/2012 18:00 | 2.218733 | 122.4828 | 22.24014 | 0.518634 | 257.8889 | -228.2419 | 3.7581 | 96.37827 | 0 | 964.2213 |
| 3/30/2012 19:00 | 2.350754 | 125.1037 | 23.73418 | 0.0251742 | 258.3019 | -228.0664 | 3.9336 | 96.31416 | 0 | 964.3008 |
| 3/30/2012 20:00 | 2.357112 | 125.743 | 21.40633 | -0.177201 | 257.9996 | -228.2419 | 3.7581 | 95.36636 | 0 | 964.1299 |
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| 3/31/2012 0:00 | 1.564553 | 145.0597 | 20.76995 | -0.851292 | 257.1181 | -227.3033 | 4.6967 | 99.00647 | 0 | 963.6615 |
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| 3/31/2012 2:00 | 1.850769 | 142.1625 | 21.92216 | -0.8968813 | 257.1749 | -227.1888 | 4.8112 | 98.23418 | 0 | 962.6019 |
| 3/31/2012 3:00 | 2.240515 | 139.6771 | 23.34412 | -0.838232 | 257.181 | -227.4864 | 4.5136 | 98.17313 | 0 | 961.5358 |
| 3/31/2012 4:00 | 2.563432 | 146.2289 | 23.91597 | -0.6094856 | 257.3084 | -227.5322 | 4.4678 | 96.68047 | 0 | 960.6359 |
| 3/31/2012 5:00 | 2.506781 | 151.8779 | 20.31091 | -0.4362434 | 257.4744 | -227.5627 | 4.4373 | 98.90269 | 0 | 960.6413 |
| 3/31/2012 6:00 | 2.889539 | 150.4886 | 20.01986 | -0.4042298 | 257.6201 | -228.0282 | 3.9718 | 99.21862 | 0 | 960.2524 |
| 3/31/2012 7:00 | 2.806744 | 145.9943 | 22.87288 | -0.2372015 | 257.0222 | -226.5859 | 5.4141 | 99.43078 | 0 | 959.285 |
| 3/31/2012 8:00 | 3.101894 | 150.985 | 21.00555 | -0.01006944 | 257.4184 | -227.288 | 4.712 | 98.55775 | 0 | 958.2216 |
| 3/31/2012 9:00 | 3.169036 | 149.9645 | 21.4325 | 0.2272896 | 257.2482 | -226.3112 | 5.6888 | 98.62186 | 0 | 956.6591 |
| 3/31/2012 10:00 | 3.021873 | 150.4274 | 20.82417 | 0.4141895 | 256.2892 | -227.2117 | 4.7883 | 99.61544 | 0 | 955.5114 |
| 3/31/2012 11:00 | 2.607095 | 152.6988 | 22.58749 | 0.6697211 | 256.3294 | -226.5783 | 5.4217 | 98.14872 | 3.302 | 954.298 |
| 3/31/2012 12:00 | 2.424023 | 153.2251 | 18.19066 | 0.9106936 | 257.0811 | -227.8451 | 4.1549 | 99.00647 | 2.032 | 954.3815 |
| 3/31/2012 13:00 | 1.948103 | 151.1871 | 18.5605 | 1.205648 | 256.4137 | -225.0826 | 6.9174 | 98.10294 | 1.778 | 954.0097 |
| 3/31/2012 14:00 | 2.19333 | 154.5636 | 15.82435 | 1.777709 | 255.0414 | -224.9376 | 7.0624 | 97.80684 | 0 | 953.4374 |
| 3/31/2012 15:00 | 1.624863 | 150.2835 | 15.09449 | 2.159901 | 254.9848 | -225.426 | 6.574 | 97.60537 | 0 | 953.4865 |
| 3/31/2012 16:00 | 0.8742974 | 148.7189 | 19.93915 | 2.417728 | 255.0266 | -224.9986 | 7.0014 | 98.3395 | 0 | 953.6907 |
| 3/31/2012 17:00 | 1.048606 | 151.897 | 19.28085 | 2.783771 | 255.1651 | -225.3039 | 6.6961 | 100 | 0 | 953.8238 |
| 3/31/2012 18:00 | 0.719294 | 155.526 | 14.72003 | 2.861609 | 255.3934 | -225.5176 | 6.4824 | 100 | 0 | 953.9446 |
| 3/31/2012 19:00 | 0.6315489 | 149.6574 | 11.43604 | 2.636002 | 255.5967 | -225.3573 | 6.6427 | 100 | 0 | 954.5142 |
| 3/31/2012 20:00 | 0.4950613 | 104.4517 | 45.68114 | 2.535801 | 255.5835 | -225.3268 | 6.6732 | 100 | 0 | 955.3422 |
| 3/31/2012 21:00 | 0.8326226 | 138.3143 | 17.94158 | 1.876816 | 255.3605 | -225.3573 | 6.6427 | 100 | 0 | 955.6407 |
| 3/31/2012 22:00 | 1.082718 | 149.7762 | 8.527713 | 1.518212 | 255.2231 | -225.2734 | 6.7266 | 100 | 0 | 955.8551 |
| 3/31/2012 23:00 | 1.166449 | 147.9938 | 14.66079 | 1.5221 | 255.0365 | -225.281 | 6.719 | 100 | 4.826 | 956.1674 |
| 4/1/2012 0:00 | 0.4078551 | 209.1492 | 55.31179 | 0.8342189 | 255.0121 | -224.9223 | 7.0777 | 100 | 1.016 | 956.7589 |
| 4/1/2012 1:00 | 0.4036685 | 154.3468 | 23.74361 | 0.4666274 | 254.9197 | -225.1284 | 6.8716 | 100 | 0 | 956.7429 |
| 4/1/2012 2:00 | 0.4018672 | 175.0497 | 47.18009 | 0.07267058 | 254.9505 | -224.93 | 7.07 | 100 | 0 | 956.7411 |
| 4/1/2012 3:00 | 0.5189033 | 240.8585 | 64.1544 | -0.1123885 | 254.8762 | -224.4797 | 7.5203 | 100 | 0 | 957.1866 |
| 4/1/2012 4:00 | 0.3332466 | 293.701 | 32.38467 | -0.4216573 | 254.8322 | -224.8994 | 7.1006 | 100 | 0 | 957.6511 |
| 4/1/2012 5:00 | 0.2104385 | 165.7931 | 20.51858 | -0.8181182 | 254.853 | -224.7239 | 7.2761 | 100 | 0 | 958.2689 |
| 4/1/2012 6:00 | 0.3400071 | 136.8887 | 16.44988 | -1.456478 | 254.8887 | -224.5026 | 7.4974 | 100 | 0 | 958.8487 |
| 4/1/2012 7:00 | 0.1453574 | 292.3877 | 21.1971 | -0.8856443 | 254.928 | -224.9986 | 7.0014 | 99.15147 | 0 | 959.5625 |
| 4/1/2012 8:00 | 0.2127664 | 255.3367 | 25.08228 | 3.148426 | 255.6666 | -226.2578 | 5.7422 | 89.02937 | 0 | 959.9371 |
| 4/1/2012 9:00 | 0.8196117 | 325.1479 | 27.28434 | 3.522074 | 255.8566 | -222.5871 | 9.4129 | 87.03455 | 0 | 960.3135 |
| 4/1/2012 10:00 | 1.076441 | 38.03589 | 34.72873 | 5.981946 | 258.6059 | -224.8537 | 7.1463 | 72.70457 | 0 | 960.2551 |
| 4/1/2012 11:00 | 1.319479 | 54.43649 | 38.38952 | 6.865437 | 258.6256 | -224.0371 | 7.9629 | 72.16427 | 0 | 960.4538 |
| 4/1/2012 12:00 | 1.458722 | 80.31966 | 49.5095 | 7.417817 | 258.5075 | -231.0426 | 0.9574 | 65.88832 | 0 | 960.7012 |
| 4/1/2012 13:00 | 1.546582 | 101.0074 | 27.56984 | 7.60053 | 260.082 | -225.3344 | 6.6656 | 61.79491 | 0 | 961.1774 |
| 4/1/2012 14:00 | 1.837938 | 92.19025 | 30.99633 | 7.878458 | 260.2366 | -232.2865 | 0.00001 | 69.33459 | 0 | 961.2214 |
| 4/1/2012 15:00 | 2.397218 | 92.34138 | 28.22217 | 7.608206 | 262.2116 | -233.3701 | 0.00001 | 68.20822 | 0 | 961.2623 |
| 4/1/2012 16:00 | 2.816818 | 81.77242 | 25.39308 | 6.843383 | 262.1673 | -229.6155 | 2.3845 | 72.05743 | 0 | 961.369 |
| 4/1/2012 17:00 | 2.868969 | 97.7265 | 25.94098 | 5.603905 | 262.1234 | -231.7752 | 0.2248 | 82.99151 | 0 | 961.4685 |
| 4/1/2012 18:00 | 2.646002 | 109.1517 | 24.67367 | 3.730351 | 262.0409 | -231.9889 | 0.0111 | 83.14566 | 0 | 961.8885 |
| 4/1/2012 19:00 | 2.323901 | 118.8231 | 22.45633 | 3.076568 | 261.6701 | -231.6302 | 0.3698 | 87.75951 | 0 | 962.4333 |
| 4/1/2012 20:00 | 2.393416 | 116.4607 | 23.45487 | 2.467986 | 261.6344 | -231.3402 | 0.6598 | 88.85537 | 0 | 962.9419 |
| 4/1/2012 21:00 | 2.685201 | 121.6158 | 22.58078 | 2.141679 | 261.4489 | -231.7294 | 0.2706 | 90.5602 | 0 | 962.9993 |
| 4/1/2012 22:00 | 2.113457 | 131.9887 | 24.38349 | 1.793436 | 261.609 | -231.4394 | 0.5606 | 93.16398 | 0 | 963.1481 |
| 4/1/2012 23:00 | 2.16895 | 129.2086 | 22.6779 | 1.385583 | 261.3123 | -230.6763 | 1.3237 | 93.43412 | 0 | 963.2971 |
| 4/2/2012 0:00 | 1.863687 | 137.1689 | 21.60396 | 1.319534 | 261.3353 | -231.7981 | 0.2019 | 93.4555 | 0 | 963.3122 |
| 4/2/2012 1:00 | 1.738727 | 129.1397 | 22.72995 | 1.2213 | 261.5247 | -231.3555 | 0.6445 | 93.11819 | 0 | 963.3256 |
| 4/2/2012 2:00 | 1.719195 | 135.3664 | 21.22478 | 1.124738 | 261.485 | -231.5692 | 0.4308 | 95.1939 | 0 | 963.825 |
| 4/2/2012 3:00 | 1.729106 | 123.9569 | 20.75351 | 1.078556 | 261.5168 | -231.5768 | 0.4232 | 97.58706 | 0 | 963.7387 |

| | | | | | | | | | | |
|----------------|------------|----------|----------|-------------|----------|-----------|---------|----------|---|----------|
| 4/2/2012 4:00 | 1.95647 | 128.2926 | 19.75667 | 1.050782 | 261.5256 | -231.676 | 0.324 | 97.05746 | 0 | 963.8199 |
| 4/2/2012 5:00 | 2.079175 | 131.2623 | 21.40796 | 1.042012 | 261.5003 | -231.5692 | 0.4308 | 95.46404 | 0 | 964.2313 |
| 4/2/2012 6:00 | 1.751111 | 136.832 | 20.66205 | 0.9948323 | 261.4843 | -231.4547 | 0.5453 | 95.47015 | 0 | 964.6677 |
| 4/2/2012 7:00 | 1.787632 | 140.1077 | 19.62554 | 1.163958 | 261.5259 | -231.6302 | 0.3698 | 91.93993 | 0 | 964.9846 |
| 4/2/2012 8:00 | 1.765266 | 141.1205 | 22.93052 | 2.766055 | 261.978 | -232.5459 | 0.00001 | 76.88955 | 0 | 965.1393 |
| 4/2/2012 9:00 | 2.323989 | 144.9864 | 23.43608 | 5.117764 | 263.0045 | -230.2642 | 1.7358 | 67.05743 | 0 | 964.7115 |
| 4/2/2012 10:00 | 2.494534 | 148.9947 | 23.44338 | 6.979139 | 263.8336 | -236.5753 | 0.00001 | 61.1371 | 0 | 964.6081 |
| 4/2/2012 11:00 | 2.372884 | 151.5861 | 25.59049 | 8.921499 | 262.71 | -229.8369 | 2.1631 | 56.2653 | 0 | 964.2144 |
| 4/2/2012 12:00 | 2.008179 | 150.533 | 25.47392 | 11.07299 | 262.3495 | -235.9495 | 0.00001 | 55.3236 | 0 | 964.4324 |
| 4/2/2012 13:00 | 1.783834 | 151.2377 | 25.80595 | 11.7701 | 263.6621 | -240.9022 | 0.00001 | 48.95302 | 0 | 964.4574 |
| 4/2/2012 14:00 | 1.33582 | 154.2358 | 44.64141 | 12.34088 | 262.8024 | -233.1412 | 0.00001 | 52.14442 | 0 | 964.0123 |
| 4/2/2012 15:00 | 1.038472 | 234.7915 | 31.08577 | 10.65132 | 263.0124 | -232.5688 | 0.00001 | 61.66213 | 0 | 963.9996 |
| 4/2/2012 16:00 | 3.113462 | 286.5535 | 21.6277 | 7.812907 | 262.5619 | -232.5612 | 0.00001 | 85.56782 | 0 | 964.5546 |
| 4/2/2012 17:00 | 2.392822 | 311.6267 | 23.3365 | 5.545361 | 262.1339 | -232.111 | 0.00001 | 95.6823 | 0 | 965.1102 |
| 4/2/2012 18:00 | 1.034826 | 304.4057 | 16.237 | 4.667522 | 262.0191 | -231.8744 | 0.1256 | 99.48571 | 0 | 965.3861 |
| 4/2/2012 19:00 | 0.5005617 | 283.1512 | 21.18777 | 4.29685 | 261.8994 | -231.8897 | 0.1103 | 99.75586 | 0 | 965.6127 |
| 4/2/2012 20:00 | 0.4810041 | 175.0873 | 48.99686 | 3.769107 | 261.9055 | -231.8668 | 0.1332 | 100 | 0 | 965.704 |
| 4/2/2012 21:00 | 0.4459198 | 297.0115 | 79.72891 | 3.404646 | 261.8041 | -231.676 | 0.324 | 100 | 0 | 965.2513 |
| 4/2/2012 22:00 | 2.748247 | 295.6105 | 11.98829 | 3.263219 | 261.7852 | -231.9812 | 0.0188 | 100 | 0 | 965.9457 |
| 4/2/2012 23:00 | 2.046108 | 288.8786 | 16.94681 | 3.550054 | 261.8638 | -231.7218 | 0.2782 | 100 | 0 | 966.2502 |
| 4/3/2012 0:00 | 3.814017 | 300.5381 | 12.35355 | 3.698794 | 261.8574 | -231.6226 | 0.3774 | 98.99884 | 0 | 966.6139 |
| 4/3/2012 1:00 | 3.126451 | 299.0109 | 11.17665 | 2.792975 | 261.7682 | -232.3246 | 0.00001 | 99.60018 | 0 | 967.1588 |
| 4/3/2012 2:00 | 2.011624 | 291.6009 | 13.18985 | 1.645463 | 261.7327 | -231.3555 | 0.6445 | 99.25526 | 0 | 967.3253 |
| 4/3/2012 3:00 | 2.309448 | 289.9022 | 12.95018 | 1.060361 | 261.5947 | -231.2486 | 0.7514 | 96.508 | 0 | 967.3644 |
| 4/3/2012 4:00 | 2.206367 | 289.1384 | 14.74472 | 0.4432595 | 261.4496 | -231.4318 | 0.5682 | 95.81814 | 0 | 967.5916 |
| 4/3/2012 5:00 | 1.480182 | 278.194 | 15.9444 | -0.1536458 | 261.3212 | -231.2563 | 0.7437 | 96.69573 | 0 | 967.8363 |
| 4/3/2012 6:00 | 1.544195 | 276.8615 | 17.64143 | -0.4874991 | 261.2576 | -231.592 | 0.408 | 94.15452 | 0 | 968.0411 |
| 4/3/2012 7:00 | 1.814926 | 268.2866 | 19.91438 | 0.1181028 | 261.3994 | -231.8744 | 0.1256 | 87.31385 | 0 | 968.3701 |
| 4/3/2012 8:00 | 2.650759 | 284.005 | 20.96672 | 1.662759 | 261.9653 | -232.0652 | 0.00001 | 81.55377 | 0 | 968.4406 |
| 4/3/2012 9:00 | 3.803551 | 290.8182 | 17.37409 | 2.816205 | 262.8532 | -229.6461 | 2.3539 | 72.14748 | 0 | 968.6697 |
| 4/3/2012 10:00 | 4.474701 | 296.4728 | 17.87587 | 4.309788 | 261.6067 | -230.7068 | 1.2932 | 63.40206 | 0 | 968.6067 |
| 4/3/2012 11:00 | 4.88967 | 296.2213 | 19.09253 | 5.486232 | 260.8827 | -229.9971 | 2.0029 | 55.96005 | 0 | 968.4679 |
| 4/3/2012 12:00 | 4.899829 | 296.5894 | 17.45391 | 7.101052 | 262.1067 | -229.15 | 2.85 | 52.04521 | 0 | 968.5053 |
| 4/3/2012 13:00 | 6.446083 | 302.3844 | 13.97134 | 8.094323 | 261.9867 | -226.8073 | 5.1927 | 43.21126 | 0 | 968.4407 |
| 4/3/2012 14:00 | 6.595208 | 301.7242 | 13.55745 | 8.763157 | 262.4278 | -240.2688 | 0.00001 | 42.26498 | 0 | 968.2512 |
| 4/3/2012 15:00 | 6.063754 | 301.825 | 15.13704 | 9.374745 | 261.9856 | -226.9828 | 5.0172 | 40.73568 | 0 | 968.2305 |
| 4/3/2012 16:00 | 6.492624 | 304.2043 | 13.55293 | 9.348126 | 262.2666 | -228.8906 | 3.1094 | 37.51987 | 0 | 968.3796 |
| 4/3/2012 17:00 | 5.370023 | 306.1701 | 13.30644 | 9.117777 | 262.2659 | -231.0121 | 0.9879 | 37.62518 | 0 | 968.6683 |
| 4/3/2012 18:00 | 4.926394 | 306.3344 | 12.55103 | 8.295021 | 262.7333 | -232.3552 | 0.00001 | 41.45149 | 0 | 968.869 |
| 4/3/2012 19:00 | 4.306889 | 305.3229 | 11.34075 | 6.766132 | 262.4206 | -232.1873 | 0.00001 | 45.69447 | 0 | 969.0574 |
| 4/3/2012 20:00 | 2.719325 | 304.3199 | 10.04311 | 4.752879 | 262.3479 | -232.2636 | 0.00001 | 59.8291 | 0 | 969.4031 |
| 4/3/2012 21:00 | 2.350991 | 306.5294 | 9.672327 | 3.005363 | 261.9949 | -232.2178 | 0.00001 | 62.82819 | 0 | 969.6124 |
| 4/3/2012 22:00 | 2.510868 | 310.467 | 8.570413 | 2.089175 | 262.0718 | -231.6836 | 0.3164 | 69.02782 | 0 | 969.8439 |
| 4/3/2012 23:00 | 3.161669 | 313.8566 | 10.63196 | 1.905146 | 261.8325 | -231.8973 | 0.1027 | 64.2125 | 0 | 970.0559 |
| 4/4/2012 0:00 | 1.958896 | 326.1693 | 16.31255 | 1.474178 | 261.5972 | -231.592 | 0.408 | 69.12704 | 0 | 970.2156 |
| 4/4/2012 1:00 | 1.690295 | 317.7942 | 11.61249 | 0.3731335 | 261.6014 | -231.4699 | 0.5301 | 75.32513 | 0 | 970.841 |
| 4/4/2012 2:00 | 1.351215 | 332.8702 | 17.35658 | -0.3592602 | 261.3529 | -231.096 | 0.904 | 74.00493 | 0 | 971.46 |
| 4/4/2012 3:00 | 1.153391 | 325.0443 | 17.31237 | -1.260342 | 261.2186 | -230.6076 | 1.3924 | 75.35414 | 0 | 971.8017 |
| 4/4/2012 4:00 | 1.345497 | 356.2664 | 22.84884 | -1.592095 | 261.0876 | -231.1036 | 0.8964 | 73.53942 | 0 | 972.1923 |
| 4/4/2012 5:00 | 1.169379 | 348.6505 | 20.44104 | -2.331144 | 261.1574 | -231.386 | 0.614 | 77.30469 | 0 | 972.3858 |
| 4/4/2012 6:00 | 1.257195 | 349.3316 | 21.25712 | -2.928924 | 260.9567 | -231.2563 | 0.7437 | 79.7177 | 0 | 972.4703 |
| 4/4/2012 7:00 | 0.91117096 | 349.0465 | 22.10887 | -2.561107 | 261.1258 | -231.5539 | 0.4461 | 72.94418 | 0 | 972.8392 |
| 4/4/2012 8:00 | 1.580224 | 315.0072 | 17.99762 | -1.513018 | 261.7034 | -232.3399 | 0.00001 | 70.00615 | 0 | 973.519 |
| 4/4/2012 9:00 | 1.440363 | 306.797 | 21.44935 | 0.003111559 | 262.3109 | -230.0048 | 1.9952 | 62.08795 | 0 | 973.8588 |
| 4/4/2012 10:00 | 1.512373 | 49.93524 | 38.50333 | 2.142865 | 262.7679 | -230.4321 | 1.5679 | 59.14991 | 0 | 973.8154 |
| 4/4/2012 11:00 | 1.255009 | 33.66822 | 58.2351 | 3.510339 | 263.9676 | -232.0576 | 0.00001 | 53.14259 | 0 | 973.9641 |
| 4/4/2012 12:00 | 1.479281 | 1.860384 | 65.2619 | 4.819489 | 262.5352 | -226.8378 | 5.1622 | 50.37244 | 0 | 973.7443 |
| 4/4/2012 13:00 | 1.440634 | 65.84535 | 62.26306 | 6.178131 | 262.1563 | -242.9321 | 0.00001 | 46.52018 | 0 | 973.3632 |
| 4/4/2012 14:00 | 2.202641 | 80.85285 | 34.14054 | 7.250581 | 264.2635 | -228.6311 | 3.3689 | 42.67249 | 0 | 972.8575 |
| 4/4/2012 15:00 | 2.019306 | 64.71836 | 35.67402 | 7.997869 | 263.0043 | -230.8213 | 1.1787 | 42.31077 | 0 | 972.5127 |
| 4/4/2012 16:00 | 1.767321 | 63.86849 | 43.55732 | 8.213871 | 263.1641 | -230.8824 | 1.1176 | 39.78177 | 0 | 972.3354 |
| 4/4/2012 17:00 | 1.896833 | 68.34465 | 37.74567 | 8.278937 | 263.5516 | -233.9806 | 0.00001 | 40.18318 | 0 | 972.3605 |
| 4/4/2012 18:00 | 1.634449 | 66.28896 | 28.27292 | 7.388824 | 263.0413 | -232.5154 | 0.00001 | 42.01468 | 0 | 972.5565 |
| 4/4/2012 19:00 | 1.411085 | 68.87608 | 20.41486 | 5.28994 | 262.1347 | -231.9049 | 0.0951 | 47.68623 | 0 | 972.8572 |
| 4/4/2012 20:00 | 1.46219 | 80.42581 | 15.49125 | 3.071216 | 261.694 | -231.9355 | 0.0645 | 51.75064 | 0 | 973.2666 |
| 4/4/2012 21:00 | 1.765341 | 86.63286 | 21.1838 | 2.006617 | 261.4422 | -232.2331 | 0.00001 | 52.82207 | 0 | 973.6883 |
| 4/4/2012 22:00 | 2.086789 | 86.9334 | 20.38686 | 0.9761463 | 261.4105 | -231.531 | 0.469 | 56.31567 | 0 | 973.8495 |
| 4/4/2012 23:00 | 1.471668 | 99.39496 | 23.3751 | -0.3626459 | 261.3367 | -231.0502 | 0.9498 | 60.86695 | 0 | 973.9155 |
| 4/5/2012 0:00 | 1.310336 | 108.121 | 21.33625 | -1.167213 | 261.1028 | -231.2639 | 0.7361 | 65.27325 | 0 | 974.1081 |
| 4/5/2012 1:00 | 0.9906602 | 106.049 | 23.86543 | -1.713693 | 261.054 | -231.2563 | 0.7437 | 68.76225 | 0 | 974.2825 |
| 4/5/2012 2:00 | 1.020466 | 116.6162 | 18.80515 | -2.583684 | 260.9742 | -230.7144 | 1.2856 | 71.47898 | 0 | 974.6144 |
| 4/5/2012 3:00 | 1.334405 | 103.8633 | 20.48423 | -2.866635 | 260.8361 | -230.7679 | 1.2321 | 72.36879 | 0 | 974.7277 |
| 4/5/2012 4:00 | 0.8560148 | 102.63 | 22.49299 | -3.45091 | 260.8293 | -230.9129 | 1.0871 | 77.02386 | 0 | 974.8856 |
| 4/5/2012 5:00 | 0.9229631 | 131.8078 | 16.2028 | -4.554207 | 260.7165 | -230.8594 | 1.1406 | 80.31751 | 0 | 975.4071 |

| | | | | | | | | | | |
|----------------|-----------|----------|----------|------------|----------|-----------|---------|----------|---|----------|
| 4/5/2012 6:00 | 0.7605206 | 126.7116 | 23.83325 | -4.581027 | 260.6886 | -230.9205 | 1.0795 | 79.01104 | 0 | 975.9003 |
| 4/5/2012 7:00 | 0.9365666 | 121.2863 | 18.65624 | -3.139088 | 260.9818 | -231.5005 | 0.4995 | 62.50462 | 0 | 976.4609 |
| 4/5/2012 8:00 | 1.4085 | 132.0218 | 19.58718 | -0.3681583 | 261.8476 | -232.5994 | 0.00001 | 55.34344 | 0 | 976.8211 |
| 4/5/2012 9:00 | 1.224867 | 122.6702 | 24.12679 | 2.113856 | 262.8539 | -238.5975 | 0.00001 | 44.72683 | 0 | 976.8394 |
| 4/5/2012 10:00 | 1.550389 | 129.8731 | 32.26283 | 4.445424 | 262.6184 | -230.9586 | 1.0414 | 35.49606 | 0 | 976.6931 |
| 4/5/2012 11:00 | 1.443286 | 133.6937 | 33.12086 | 5.822425 | 263.4608 | -240.7114 | 0.00001 | 32.22987 | 0 | 976.4927 |
| 4/5/2012 12:00 | 1.712434 | 131.0182 | 27.55255 | 6.852335 | 264.8672 | -240.513 | 0.00001 | 27.69385 | 0 | 976.2107 |
| 4/5/2012 13:00 | 1.670652 | 130.5476 | 27.24794 | 8.084176 | 263.4873 | -230.0887 | 1.9113 | 27.79153 | 0 | 975.878 |
| 4/5/2012 14:00 | 1.552946 | 124.7829 | 28.83991 | 9.060821 | 265.1848 | -228.8677 | 3.1323 | 27.0574 | 0 | 975.506 |
| 4/5/2012 15:00 | 1.631444 | 123.9266 | 26.88346 | 10.14944 | 262.7122 | -229.0661 | 2.9339 | 25.71583 | 0 | 975.1378 |
| 4/5/2012 16:00 | 1.72618 | 126.5538 | 24.05184 | 10.72679 | 264.3026 | -247.9077 | 0.00001 | 25.32053 | 0 | 974.5759 |
| 4/5/2012 17:00 | 1.626114 | 126.8924 | 22.14211 | 11.20282 | 263.9334 | -233.8509 | 0.00001 | 24.15753 | 0 | 974.3482 |
| 4/5/2012 18:00 | 1.652406 | 111.1133 | 27.52607 | 9.982299 | 263.3654 | -233.1259 | 0.00001 | 27.11082 | 0 | 974.2318 |
| 4/5/2012 19:00 | 1.574071 | 97.78404 | 22.58987 | 7.26097 | 262.5917 | -232.8207 | 0.00001 | 32.8999 | 0 | 974.3879 |
| 4/5/2012 20:00 | 1.083423 | 125.3505 | 18.27458 | 3.537466 | 262.26 | -231.4929 | 0.5071 | 45.8471 | 0 | 974.5475 |
| 4/5/2012 21:00 | 0.9823184 | 135.7417 | 18.58931 | 2.00156 | 261.8831 | -231.7752 | 0.2248 | 49.3758 | 0 | 974.5717 |
| 4/5/2012 22:00 | 1.045639 | 154.6288 | 12.43466 | 1.044675 | 261.6394 | -231.3402 | 0.6598 | 48.93471 | 0 | 974.6209 |
| 4/5/2012 23:00 | 1.15 | 145.5784 | 9.232448 | 0.4182429 | 261.5063 | -231.325 | 0.675 | 52.86481 | 0 | 974.6732 |
| 4/6/2012 0:00 | 1.179849 | 140.0614 | 7.518275 | -0.7532253 | 261.4061 | -231.3402 | 0.6598 | 72.02691 | 0 | 974.8754 |
| 4/6/2012 1:00 | 1.174036 | 141.5999 | 6.822183 | -2.080656 | 261.2058 | -231.5234 | 0.4766 | 76.07911 | 0 | 975.127 |
| 4/6/2012 2:00 | 1.492279 | 146.2236 | 7.590462 | -2.216284 | 261.2765 | -231.325 | 0.675 | 76.45762 | 0 | 975.0195 |
| 4/6/2012 3:00 | 1.642864 | 151.5337 | 9.302803 | -2.059681 | 261.267 | -231.5005 | 0.4995 | 73.06171 | 0 | 974.7631 |
| 4/6/2012 4:00 | 1.910023 | 153.2575 | 11.26178 | -1.451891 | 261.3185 | -231.0655 | 0.9345 | 71.10047 | 0 | 974.4924 |
| 4/6/2012 5:00 | 1.243654 | 154.3619 | 9.62912 | -2.114916 | 261.2339 | -230.9892 | 1.0108 | 81.7995 | 0 | 974.6004 |
| 4/6/2012 6:00 | 0.8414354 | 155.6894 | 10.9483 | -2.522123 | 261.0262 | -230.8289 | 1.1711 | 79.77264 | 0 | 974.7728 |
| 4/6/2012 7:00 | 1.15379 | 149.8595 | 12.18478 | -1.080479 | 261.3715 | -231.5539 | 0.4461 | 63.64167 | 0 | 974.9646 |
| 4/6/2012 8:00 | 1.371277 | 154.3549 | 22.38863 | 3.565641 | 262.2361 | -232.2178 | 0.00001 | 46.88647 | 0 | 974.9881 |
| 4/6/2012 9:00 | 1.453557 | 188.3451 | 40.80851 | 7.004202 | 263.2693 | -229.1195 | 2.8805 | 38.57756 | 0 | 974.762 |
| 4/6/2012 10:00 | 1.511004 | 161.3721 | 36.64952 | 9.319076 | 262.6582 | -239.5667 | 0.00001 | 33.30893 | 0 | 974.4247 |
| 4/6/2012 11:00 | 1.713242 | 148.6305 | 32.24513 | 11.08037 | 263.2106 | -236.8042 | 0.00001 | 34.33915 | 0 | 974.0008 |
| 4/6/2012 12:00 | 2.012873 | 130.5446 | 25.70411 | 11.97117 | 263.6544 | -231.2257 | 0.7743 | 30.45942 | 0 | 973.4679 |
| 4/6/2012 13:00 | 1.942434 | 151.686 | 29.37429 | 13.75846 | 263.7244 | -232.2102 | 0.00001 | 27.60991 | 0 | 972.726 |
| 4/6/2012 14:00 | 2.053457 | 153.8074 | 28.71977 | 14.85041 | 263.2061 | -242.9855 | 0.00001 | 27.03451 | 0 | 971.9836 |
| 4/6/2012 15:00 | 2.105533 | 144.2753 | 27.02978 | 15.36501 | 263.5506 | -242.7642 | 0.00001 | 25.90814 | 0 | 971.1811 |
| 4/6/2012 16:00 | 2.021097 | 156.9279 | 27.05328 | 15.76357 | 264.9492 | -231.7218 | 0.2782 | 23.57602 | 0 | 970.7043 |
| 4/6/2012 17:00 | 1.864552 | 150.9324 | 22.29686 | 15.34201 | 264.1061 | -234.1485 | 0.00001 | 24.60319 | 0 | 970.2349 |
| 4/6/2012 18:00 | 1.499277 | 149.3807 | 17.26128 | 13.4209 | 263.8106 | -232.7673 | 0.00001 | 34.18959 | 0 | 969.8347 |
| 4/6/2012 19:00 | 1.198937 | 153.5762 | 12.34031 | 9.419538 | 263.1613 | -232.5459 | 0.00001 | 39.30253 | 0 | 969.4229 |
| 4/6/2012 20:00 | 1.105899 | 151.3139 | 8.419615 | 7.123519 | 262.5514 | -232.6604 | 0.00001 | 42.26498 | 0 | 969.2385 |
| 4/6/2012 21:00 | 1.122867 | 148.2768 | 7.873163 | 5.886643 | 262.2757 | -231.7447 | 0.2553 | 48.30742 | 0 | 969.2974 |
| 4/6/2012 22:00 | 1.195008 | 147.2361 | 7.00605 | 4.694278 | 262.2724 | -232.3399 | 0.00001 | 50.19539 | 0 | 969.1932 |
| 4/6/2012 23:00 | 1.296293 | 143.2852 | 9.283304 | 3.537043 | 262.158 | -232.1568 | 0.00001 | 51.76438 | 0 | 969.0212 |
| 4/7/2012 0:00 | 1.245595 | 143.434 | 7.044674 | 2.385156 | 262.0394 | -232.0881 | 0.00001 | 61.68196 | 0 | 969.0857 |
| 4/7/2012 1:00 | 1.549757 | 148.0245 | 6.688099 | 0.1734645 | 261.673 | -231.3021 | 0.6979 | 77.17648 | 0 | 968.9845 |
| 4/7/2012 2:00 | 1.703856 | 147.9893 | 7.321606 | -0.3886822 | 261.5269 | -231.2486 | 0.7514 | 75.77538 | 0 | 968.5265 |
| 4/7/2012 3:00 | 1.812967 | 150.237 | 8.955762 | 0.7457915 | 261.7685 | -231.6226 | 0.3774 | 69.82911 | 0 | 967.8355 |
| 4/7/2012 4:00 | 1.965623 | 149.433 | 9.707622 | 0.4729221 | 261.7511 | -231.5997 | 0.4003 | 73.44022 | 0 | 967.338 |
| 4/7/2012 5:00 | 1.994779 | 151.7734 | 11.50023 | 1.075029 | 261.8839 | -231.531 | 0.469 | 72.54584 | 0 | 967.0507 |
| 4/7/2012 6:00 | 1.914114 | 153.4009 | 12.46192 | 1.170595 | 261.7401 | -231.9202 | 0.0798 | 74.06293 | 0 | 966.601 |
| 4/7/2012 7:00 | 2.211682 | 153.0612 | 16.02939 | 2.791906 | 261.7624 | -231.8668 | 0.1332 | 58.99119 | 0 | 966.0728 |
| 4/7/2012 8:00 | 2.541826 | 149.191 | 17.87567 | 6.251922 | 262.4094 | -232.3628 | 0.00001 | 51.33551 | 0 | 965.4486 |
| 4/7/2012 9:00 | 2.704149 | 148.2879 | 20.33593 | 8.00677 | 262.6253 | -233.0649 | 0.00001 | 43.47836 | 0 | 964.7122 |
| 4/7/2012 10:00 | 2.989418 | 151.6983 | 20.65624 | 11.05587 | 263.8582 | -228.6922 | 3.3078 | 38.89044 | 0 | 963.8823 |
| 4/7/2012 11:00 | 3.037787 | 150.7032 | 24.43079 | 13.21315 | 263.538 | -232.256 | 0.00001 | 35.06413 | 0 | 962.5991 |
| 4/7/2012 12:00 | 3.867899 | 152.3926 | 23.10929 | 14.74635 | 262.1035 | -230.3863 | 1.6137 | 33.14868 | 0 | 961.1091 |
| 4/7/2012 13:00 | 4.048022 | 154.1607 | 21.77645 | 16.35334 | 264.587 | -230.7221 | 1.2779 | 31.72621 | 0 | 960.4702 |
| 4/7/2012 14:00 | 3.004747 | 161.0552 | 22.96768 | 14.63424 | 263.5105 | -233.1564 | 0.00001 | 39.02933 | 0 | 959.9998 |
| 4/7/2012 15:00 | 2.948556 | 159.959 | 22.54147 | 13.43569 | 263.2514 | -233.4312 | 0.00001 | 41.0623 | 0 | 959.597 |
| 4/7/2012 16:00 | 2.191314 | 194.0166 | 34.48159 | 11.8182 | 263.0335 | -233.332 | 0.00001 | 76.42403 | 0 | 959.7744 |
| 4/7/2012 17:00 | 1.972833 | 181.3238 | 30.76049 | 8.118066 | 262.5676 | -232.4315 | 0.00001 | 93.76685 | 0 | 960.1553 |
| 4/7/2012 18:00 | 1.646355 | 166.5685 | 25.65974 | 7.044295 | 262.2403 | -232.462 | 0.00001 | 95.86849 | 0 | 960.1381 |
| 4/7/2012 19:00 | 1.780922 | 178.0362 | 29.5248 | 6.292006 | 262.1035 | -232.0804 | 0.00001 | 95.09011 | 0 | 959.8231 |
| 4/7/2012 20:00 | 1.594903 | 167.3446 | 30.3998 | 4.769889 | 261.9883 | -231.8973 | 0.1027 | 97.55959 | 0 | 960.0257 |
| 4/7/2012 21:00 | 1.401223 | 181.6632 | 26.71521 | 4.411377 | 261.9046 | -231.9278 | 0.0722 | 95.91123 | 0 | 960.1237 |
| 4/7/2012 22:00 | 1.550625 | 189.0289 | 28.66793 | 3.874995 | 261.8152 | -231.4012 | 0.5988 | 84.94664 | 0 | 959.8908 |
| 4/7/2012 23:00 | 1.436302 | 178.458 | 26.31798 | 3.127822 | 261.763 | -231.8897 | 0.1103 | 81.55225 | 0 | 959.9652 |
| 4/8/2012 0:00 | 2.065346 | 222.232 | 38.50529 | 2.451322 | 261.7766 | -231.7981 | 0.2019 | 72.93198 | 0 | 959.8843 |
| 4/8/2012 1:00 | 2.014902 | 226.6322 | 35.94065 | 1.250032 | 261.5378 | -231.8668 | 0.1332 | 79.51012 | 0 | 959.9593 |
| 4/8/2012 2:00 | 1.931736 | 229.866 | 36.48596 | 0.622333 | 261.4165 | -231.4089 | 0.5911 | 82.65878 | 0 | 959.9977 |
| 4/8/2012 3:00 | 2.318225 | 246.1869 | 34.20556 | -0.1479587 | 261.3041 | -231.2486 | 0.7514 | 87.68626 | 0 | 960.0485 |
| 4/8/2012 4:00 | 1.887079 | 236.7755 | 33.98339 | -0.7186637 | 261.3048 | -231.6478 | 0.6522 | 78.7119 | 0 | 960.2421 |
| 4/8/2012 5:00 | 2.619645 | 249.1451 | 29.57649 | -0.7817088 | 261.2809 | -231.6149 | 0.3851 | 76.13558 | 0 | 960.2988 |
| 4/8/2012 6:00 | 2.366679 | 253.0773 | 29.60876 | -0.9894973 | 261.4418 | -231.4012 | 0.5988 | 74.40328 | 0 | 960.3929 |
| 4/8/2012 7:00 | 2.036983 | 250.5545 | 33.86796 | -0.6515526 | 261.3765 | -231.7294 | 0.2706 | 83.20366 | 0 | 960.621 |

| | | | | | | | | | | |
|-----------------|-----------|----------|----------|-------------|----------|-----------|---------|----------|-------|----------|
| 4/8/2012 8:00 | 3.018859 | 257.5367 | 28.46806 | -0.830614 | 261.4445 | -231.4165 | 0.5835 | 71.95364 | 0 | 960.9638 |
| 4/8/2012 9:00 | 3.113435 | 252.1844 | 29.61038 | -0.3456103 | 261.515 | -231.6913 | 0.3087 | 67.76867 | 0 | 961.225 |
| 4/8/2012 10:00 | 3.419696 | 254.9606 | 27.67655 | -0.1644398 | 261.6299 | -231.3021 | 0.6979 | 68.88894 | 0 | 961.5544 |
| 4/8/2012 11:00 | 3.189965 | 251.841 | 28.89401 | -0.5039418 | 261.5679 | -231.9278 | 0.0722 | 68.31659 | 0 | 962.0874 |
| 4/8/2012 12:00 | 3.482827 | 254.3123 | 27.4724 | -0.06531951 | 261.5576 | -231.1342 | 0.8658 | 63.94845 | 0 | 962.4498 |
| 4/8/2012 13:00 | 3.090298 | 259.7846 | 27.53036 | 0.7228366 | 261.7319 | -232.3094 | 0.00001 | 57.207 | 0 | 962.9868 |
| 4/8/2012 14:00 | 3.261966 | 264.132 | 30.91209 | 1.711757 | 261.989 | -232.1949 | 0.00001 | 52.35046 | 0 | 963.2677 |
| 4/8/2012 15:00 | 3.562636 | 265.5078 | 26.65526 | 1.92886 | 261.9925 | -232.027 | 0.00001 | 48.39747 | 0 | 963.504 |
| 4/8/2012 16:00 | 3.582823 | 273.8836 | 27.14071 | 1.876285 | 261.9965 | -232.2407 | 0.00001 | 50.36175 | 0 | 963.7918 |
| 4/8/2012 17:00 | 4.142088 | 283.9743 | 22.11254 | 1.118315 | 261.7574 | -231.9431 | 0.0569 | 53.4982 | 0 | 964.2184 |
| 4/8/2012 18:00 | 3.644977 | 288.1565 | 19.35612 | 0.5567137 | 261.7447 | -231.4547 | 0.5453 | 56.30651 | 0 | 964.455 |
| 4/8/2012 19:00 | 4.418436 | 297.0133 | 13.88309 | -0.5053066 | 261.5014 | -231.5692 | 0.4308 | 61.29277 | 0 | 964.8467 |
| 4/8/2012 20:00 | 3.386747 | 295.0161 | 15.57393 | -1.187993 | 261.5233 | -231.4852 | 0.5148 | 55.92647 | 0 | 965.199 |
| 4/8/2012 21:00 | 4.656689 | 298.7707 | 12.90571 | -1.676498 | 261.4271 | -230.806 | 1.194 | 62.86176 | 0 | 965.1783 |
| 4/8/2012 22:00 | 4.317915 | 297.2891 | 14.72864 | -2.563483 | 261.3286 | -231.1036 | 0.8964 | 64.67495 | 0 | 965.1375 |
| 4/8/2012 23:00 | 4.1835 | 299.4827 | 15.18629 | -2.886767 | 261.2843 | -231.0731 | 0.9269 | 62.40847 | 0 | 965.3433 |
| 4/9/2012 0:00 | 3.881233 | 298.7617 | 14.38727 | -3.354421 | 261.1071 | -231.1265 | 0.8735 | 63.47379 | 0 | 965.4103 |
| 4/9/2012 1:00 | 3.670513 | 298.8702 | 15.83993 | -3.714983 | 261.0744 | -230.8518 | 1.1482 | 65.27782 | 0 | 965.4508 |
| 4/9/2012 2:00 | 3.186793 | 299.9889 | 14.36225 | -3.855098 | 261.1769 | -230.8213 | 1.1787 | 67.80224 | 0 | 965.4724 |
| 4/9/2012 3:00 | 3.637437 | 293.2956 | 14.66392 | -4.247412 | 260.9213 | -230.7679 | 1.2321 | 63.82025 | 0 | 965.6141 |
| 4/9/2012 4:00 | 2.893868 | 295.6555 | 15.5237 | -4.49378 | 260.9645 | -231.0197 | 0.9803 | 60.39991 | 0 | 965.6647 |
| 4/9/2012 5:00 | 2.637898 | 298.5044 | 15.31055 | -4.675221 | 260.9763 | -230.8365 | 1.1635 | 64.41702 | 0 | 965.7203 |
| 4/9/2012 6:00 | 2.944533 | 299.3372 | 15.05214 | -4.887409 | 260.879 | -230.4626 | 1.5374 | 59.29796 | 0 | 965.968 |
| 4/9/2012 7:00 | 2.323623 | 310.649 | 18.40988 | -4.793423 | 260.8024 | -231.1952 | 0.8048 | 66.13405 | 0 | 966.373 |
| 4/9/2012 8:00 | 3.49218 | 306.9402 | 13.15507 | -4.997699 | 260.8893 | -230.5542 | 1.4458 | 63.25554 | 0 | 966.7049 |
| 4/9/2012 9:00 | 4.030556 | 306.4868 | 14.43716 | -4.595654 | 260.934 | -230.2489 | 1.7511 | 55.14503 | 0 | 966.9682 |
| 4/9/2012 10:00 | 3.599961 | 307.3397 | 15.95417 | -4.092792 | 261.0496 | -230.5237 | 1.4763 | 55.73264 | 0 | 967.3114 |
| 4/9/2012 11:00 | 3.138791 | 307.082 | 16.7784 | -3.668275 | 261.2657 | -231.3173 | 0.6827 | 53.84924 | 0 | 967.4749 |
| 4/9/2012 12:00 | 3.045324 | 307.9391 | 16.15396 | -3.37994 | 261.2338 | -230.2413 | 1.7587 | 54.76041 | 0 | 967.7416 |
| 4/9/2012 13:00 | 3.029547 | 310.7847 | 17.59623 | -2.925479 | 261.3807 | -231.7675 | 0.2325 | 53.42342 | 0 | 967.9363 |
| 4/9/2012 14:00 | 3.125359 | 306.4425 | 16.18655 | -2.821326 | 261.3087 | -232.0652 | 0.00001 | 49.81993 | 0 | 968.2697 |
| 4/9/2012 15:00 | 3.087676 | 306.6271 | 21.14338 | -2.48623 | 261.1933 | -230.4779 | 1.5221 | 48.90418 | 0 | 968.5878 |
| 4/9/2012 16:00 | 3.119377 | 294.9926 | 22.13669 | -2.609186 | 261.3334 | -231.7523 | 0.2477 | 49.36053 | 0 | 968.8938 |
| 4/9/2012 17:00 | 3.128988 | 298.3502 | 18.00772 | -3.073991 | 261.2986 | -230.9358 | 1.0642 | 51.00126 | 0 | 969.4294 |
| 4/9/2012 18:00 | 3.549387 | 297.9215 | 15.66113 | -3.676988 | 261.1297 | -231.0273 | 0.9727 | 58.38679 | 0 | 969.7995 |
| 4/9/2012 19:00 | 3.888678 | 306.577 | 12.98066 | -4.411278 | 260.898 | -231.2257 | 0.7743 | 61.70334 | 0 | 970.1205 |
| 4/9/2012 20:00 | 3.254594 | 312.6733 | 14.88059 | -4.743974 | 260.7959 | -230.9892 | 1.0108 | 61.21951 | 0 | 970.4932 |
| 4/9/2012 21:00 | 2.833279 | 315.8099 | 15.5125 | -4.864157 | 260.7545 | -230.8289 | 1.1711 | 60.95547 | 0 | 970.7557 |
| 4/9/2012 22:00 | 3.266153 | 315.1767 | 14.65499 | -4.947234 | 260.9257 | -231.035 | 0.965 | 62.36573 | 0 | 970.8494 |
| 4/9/2012 23:00 | 3.663109 | 317.9619 | 16.39951 | -4.999817 | 260.9802 | -230.7144 | 1.2856 | 63.71035 | 0 | 971.0247 |
| 4/10/2012 0:00 | 3.661077 | 308.693 | 14.27749 | -5.304766 | 260.942 | -231.0426 | 0.9574 | 68.94846 | 0 | 971.2841 |
| 4/10/2012 1:00 | 3.84499 | 304.197 | 13.09613 | -5.609 | 260.8586 | -230.2489 | 1.7511 | 74.93137 | 0 | 971.4684 |
| 4/10/2012 2:00 | 2.972187 | 300.6362 | 13.35871 | -5.898781 | 260.6721 | -231.0273 | 0.9727 | 79.67496 | 0 | 971.6111 |
| 4/10/2012 3:00 | 2.50708 | 304.8206 | 15.35413 | -6.094745 | 260.7844 | -230.7373 | 1.2627 | 83.88741 | 0 | 971.8741 |
| 4/10/2012 4:00 | 3.616486 | 309.093 | 13.77867 | -6.269617 | 260.7245 | -230.7068 | 1.2932 | 83.06477 | 0 | 972.1714 |
| 4/10/2012 5:00 | 3.624377 | 305.442 | 13.69821 | -7.280482 | 260.7368 | -230.3787 | 1.6213 | 89.78944 | 0 | 972.7777 |
| 4/10/2012 6:00 | 3.455036 | 311.8817 | 13.18559 | -7.913302 | 260.5907 | -230.5237 | 1.4763 | 88.21282 | 0 | 973.3603 |
| 4/10/2012 7:00 | 3.667562 | 308.6196 | 12.81757 | -7.565854 | 260.5415 | -230.9434 | 1.0566 | 85.50066 | 0.254 | 973.7284 |
| 4/10/2012 8:00 | 3.416119 | 314.1349 | 15.74361 | -6.720092 | 260.7446 | -230.5161 | 1.4839 | 76.85597 | 0 | 974.0933 |
| 4/10/2012 9:00 | 3.868301 | 310.7415 | 16.89362 | -5.208887 | 261.0173 | -231.5005 | 0.4995 | 69.76958 | 0 | 974.5153 |
| 4/10/2012 10:00 | 3.756338 | 309.2285 | 16.2604 | -4.20168 | 261.0534 | -232.8207 | 0.00001 | 64.69327 | 0 | 974.7939 |
| 4/10/2012 11:00 | 3.984691 | 309.1429 | 17.78595 | -3.233286 | 260.9018 | -227.494 | 4.506 | 62.10474 | 0 | 975.1537 |
| 4/10/2012 12:00 | 3.843514 | 307.6811 | 14.65907 | -2.121974 | 261.5286 | -228.1122 | 3.8878 | 60.42891 | 0 | 975.1644 |
| 4/10/2012 13:00 | 3.886968 | 307.4003 | 14.32664 | -1.041424 | 261.2859 | -229.15 | 2.85 | 58.76835 | 0 | 975.2994 |
| 4/10/2012 14:00 | 4.353873 | 304.8824 | 13.63006 | 0.06239899 | 261.7038 | -228.9364 | 3.0636 | 56.44235 | 0 | 975.1956 |
| 4/10/2012 15:00 | 3.913633 | 311.8541 | 17.45162 | 1.683446 | 262.6922 | -230.1879 | 1.8121 | 51.19204 | 0 | 975.1223 |
| 4/10/2012 16:00 | 3.688748 | 311.2926 | 17.88842 | 3.031726 | 262.0554 | -228.6158 | 3.3842 | 49.28575 | 0 | 975.1616 |
| 4/10/2012 17:00 | 3.475863 | 313.9825 | 17.00406 | 3.7273 | 262.3776 | -234.0112 | 0.00001 | 50.38617 | 0 | 975.2038 |
| 4/10/2012 18:00 | 3.582775 | 314.6607 | 15.8194 | 3.442716 | 262.2045 | -231.6226 | 0.3774 | 54.54673 | 0 | 975.5306 |
| 4/10/2012 19:00 | 3.021161 | 322.476 | 19.0207 | 1.931439 | 261.8976 | -231.7828 | 0.2172 | 61.9979 | 0 | 976.0261 |
| 4/10/2012 20:00 | 3.253545 | 314.6041 | 12.59069 | 1.075856 | 261.6893 | -231.6836 | 0.3164 | 65.46403 | 0 | 976.4433 |
| 4/10/2012 21:00 | 1.949281 | 331.907 | 22.39197 | 0.1628682 | 261.4504 | -231.1647 | 0.8353 | 69.07056 | 0 | 976.8133 |
| 4/10/2012 22:00 | 2.249269 | 355.0742 | 25.35517 | -0.7613348 | 261.3338 | -231.1876 | 0.8124 | 73.95914 | 0 | 977.259 |
| 4/10/2012 23:00 | 2.074024 | 357.2295 | 28.65514 | -1.268188 | 261.3557 | -231.3707 | 0.6293 | 76.33552 | 0 | 977.5302 |
| 4/11/2012 0:00 | 1.865925 | 42.86205 | 37.39715 | -1.894235 | 261.2168 | -231.0502 | 0.9498 | 80.52508 | 0 | 977.7424 |
| 4/11/2012 1:00 | 1.643058 | 24.80566 | 38.33913 | -2.343601 | 261.1212 | -231.1265 | 0.8735 | 81.80866 | 0 | 978.2078 |
| 4/11/2012 2:00 | 1.336114 | 24.8137 | 39.18385 | -2.282381 | 261.0504 | -231.0121 | 0.9879 | 81.88955 | 0 | 978.6025 |
| 4/11/2012 3:00 | 1.366239 | 30.0181 | 34.98653 | -2.459957 | 261.0719 | -231.3707 | 0.6293 | 83.06477 | 0 | 978.6668 |
| 4/11/2012 4:00 | 1.239359 | 36.53485 | 38.38157 | -3.020395 | 261.0502 | -230.6152 | 1.3848 | 83.60049 | 0 | 979.0673 |
| 4/11/2012 5:00 | 0.9308116 | 67.16804 | 33.66068 | -3.083642 | 260.8805 | -231.1952 | 0.8048 | 77.93655 | 0 | 979.2732 |
| 4/11/2012 6:00 | 0.4707658 | 31.27115 | 36.33257 | -2.888631 | 261.0796 | -230.8824 | 1.1176 | 75.42892 | 0 | 979.5991 |
| 4/11/2012 7:00 | 0.514406 | 65.38383 | 45.81055 | -2.564642 | 261.081 | -230.9663 | 1.0337 | 73.37002 | 0 | 979.7757 |
| 4/11/2012 8:00 | 0.5351898 | 150.8766 | 31.83564 | -1.886779 | 261.3647 | -231.4394 | 0.5606 | 68.67831 | 0 | 979.6318 |
| 4/11/2012 9:00 | 0.4438452 | 327.8298 | 73.14735 | -1.241251 | 261.782 | -231.531 | 0.469 | 65.05957 | 0 | 979.5242 |

| | | | | | | | | | | |
|-----------------|------------|-----------|----------|------------|----------|-----------|---------|----------|---|----------|
| 4/11/2012 10:00 | 1.653169 | 324.4617 | 59.91937 | -0.1033451 | 262.3109 | -227.8604 | 4.1396 | 62.27263 | 0 | 979.5198 |
| 4/11/2012 11:00 | 1.531683 | 318.6385 | 22.21885 | 0.9254597 | 262.4383 | -235.8427 | 0.00001 | 57.43288 | 0 | 979.2196 |
| 4/11/2012 12:00 | 1.674767 | 325.3617 | 23.01554 | 1.725153 | 262.2365 | -233.538 | 0.00001 | 51.57207 | 0 | 978.6111 |
| 4/11/2012 13:00 | 0.8041888 | 77.118042 | 77.72153 | 3.616092 | 263.062 | -239.1317 | 0.00001 | 46.58733 | 0 | 977.8855 |
| 4/11/2012 14:00 | 1.759286 | 325.6735 | 74.40823 | 4.449872 | 262.745 | -230.3176 | 1.6824 | 45.25034 | 0 | 977.021 |
| 4/11/2012 15:00 | 2.110389 | 310.2275 | 26.71073 | 5.820099 | 262.483 | -232.5459 | 0.00001 | 39.95424 | 0 | 976.517 |
| 4/11/2012 16:00 | 2.165792 | 314.9572 | 21.45691 | 6.393545 | 263.2289 | -233.4617 | 0.00001 | 38.76681 | 0 | 976.1417 |
| 4/11/2012 17:00 | 1.667254 | 320.6625 | 20.05857 | 6.796986 | 262.7418 | -232.6528 | 0.00001 | 37.9579 | 0 | 975.7178 |
| 4/11/2012 18:00 | 0.8956183 | 317.6049 | 30.08023 | 7.020205 | 263.0135 | -232.9886 | 0.00001 | 38.91181 | 0 | 975.165 |
| 4/11/2012 19:00 | 0.3474219 | 48.35609 | 58.27492 | 5.571254 | 262.584 | -232.401 | 0.00001 | 51.86206 | 0 | 974.4883 |
| 4/11/2012 20:00 | 0.4832825 | 152.5687 | 7.732683 | 1.936736 | 261.938 | -231.3784 | 0.6216 | 62.6023 | 0 | 974.2269 |
| 4/11/2012 21:00 | 0.3764473 | 140.6251 | 12.53225 | -0.5519192 | 261.3349 | -231.2029 | 0.7971 | 77.48937 | 0 | 974.0709 |
| 4/11/2012 22:00 | 0.3255222 | 359.2115 | 79.84436 | -1.42491 | 261.0836 | -230.7068 | 1.2932 | 82.40848 | 0 | 974.1041 |
| 4/11/2012 23:00 | 0.07986458 | 119.5573 | 2.35083 | -1.951314 | 261.0221 | -231.5692 | 0.4308 | 83.92405 | 0 | 973.9946 |
| 4/12/2012 0:00 | 0.1110481 | 108.4756 | 18.97098 | -2.807976 | 260.9575 | -230.7907 | 1.2093 | 84.72685 | 0 | 973.7078 |
| 4/12/2012 1:00 | 0.288426 | 36.98564 | 69.91467 | -3.342792 | 260.7037 | -230.7373 | 1.2627 | 92.82515 | 0 | 973.4963 |
| 4/12/2012 2:00 | 0.1462492 | 348.602 | 15.78041 | -3.762582 | 260.5692 | -230.7755 | 1.2245 | 95.92802 | 0 | 973.5291 |
| 4/12/2012 3:00 | 0.08935487 | 80.93279 | 25.59018 | -4.1859 | 260.5864 | -230.8747 | 1.1253 | 94.81387 | 0 | 973.6185 |
| 4/12/2012 4:00 | 0.2588946 | 320.2792 | 50.4632 | -4.50092 | 260.6673 | -230.0734 | 1.9266 | 95.24731 | 0 | 973.5154 |
| 4/12/2012 5:00 | 0.3696127 | 319.8941 | 8.365404 | -4.835337 | 260.7072 | -231.0197 | 0.9803 | 96.43016 | 0 | 973.6024 |
| 4/12/2012 6:00 | 0.08596613 | 347.1872 | 3.181913 | -5.042736 | 260.5289 | -230.9205 | 1.0795 | 97.19176 | 0 | 973.6589 |
| 4/12/2012 7:00 | 0.3612934 | 22.30558 | 73.25341 | -2.522507 | 261.1067 | -231.9812 | 0.0188 | 79.46434 | 0 | 973.7836 |
| 4/12/2012 8:00 | 0.3336506 | 119.3732 | 27.13507 | 1.69481 | 262.1272 | -232.5383 | 0.00001 | 47.2543 | 0 | 973.7722 |
| 4/12/2012 9:00 | 1.067723 | 116.3131 | 22.32952 | 4.499744 | 262.5009 | -229.7376 | 2.2624 | 30.75704 | 0 | 973.6223 |
| 4/12/2012 10:00 | 1.069758 | 121.8151 | 33.18548 | 8.088025 | 263.2572 | -244.5881 | 0.00001 | 32.24361 | 0 | 973.2933 |
| 4/12/2012 11:00 | 1.781874 | 321.7819 | 55.61974 | 8.545433 | 262.9392 | -229.8369 | 2.1631 | 35.6441 | 0 | 973.0627 |
| 4/12/2012 12:00 | 2.312148 | 313.6014 | 22.14819 | 9.415071 | 262.3769 | -229.9818 | 2.0182 | 31.35228 | 0 | 972.724 |
| 4/12/2012 13:00 | 1.218203 | 16.32513 | 87.68385 | 10.76485 | 262.9307 | -231.3097 | 0.6903 | 28.53787 | 0 | 971.9169 |
| 4/12/2012 14:00 | 1.658479 | 119.07 | 31.72135 | 12.01706 | 264.4641 | -228.8219 | 3.1781 | 28.38372 | 0 | 970.9697 |
| 4/12/2012 15:00 | 1.822518 | 137.9559 | 29.28036 | 13.5297 | 263.6172 | -230.3558 | 1.6442 | 26.86357 | 0 | 970.2794 |
| 4/12/2012 16:00 | 1.461234 | 122.0329 | 25.14199 | 13.63051 | 263.8993 | -237.2086 | 0.00001 | 25.90508 | 0 | 969.7301 |
| 4/12/2012 17:00 | 0.9000801 | 355.9933 | 72.2517 | 14.11204 | 264.2401 | -234.2172 | 0.00001 | 27.26955 | 0 | 969.5507 |
| 4/12/2012 18:00 | 1.0922 | 331.878 | 39.39266 | 13.13617 | 263.8606 | -233.3701 | 0.00001 | 28.97438 | 0 | 969.2281 |
| 4/12/2012 19:00 | 0.5090775 | 107.6415 | 57.4062 | 11.23368 | 263.2041 | -232.9504 | 0.00001 | 36.7079 | 0 | 969.1695 |
| 4/12/2012 20:00 | 0.720903 | 148.3461 | 9.584422 | 7.644361 | 262.5731 | -232.2407 | 0.00001 | 45.70668 | 0 | 969.4789 |
| 4/12/2012 21:00 | 0.7849906 | 153.44 | 7.566976 | 5.278986 | 262.3001 | -232.0117 | 0.00001 | 50.76163 | 0 | 969.7817 |
| 4/12/2012 22:00 | 0.5940713 | 150.6147 | 16.17921 | 3.545712 | 262.0679 | -232.4849 | 0.00001 | 59.4048 | 0 | 969.7822 |
| 4/12/2012 23:00 | 0.3832241 | 129.183 | 10.88311 | 2.003114 | 261.7946 | -231.5386 | 0.4614 | 64.05987 | 0 | 969.5472 |
| 4/13/2012 0:00 | 0.2510664 | 135.8156 | 5.951194 | 1.01586 | 261.752 | -231.6378 | 0.3622 | 74.46129 | 0 | 969.2434 |
| 4/13/2012 1:00 | 0.1747389 | 147.1896 | 4.331773 | -0.2069387 | 261.4463 | -231.592 | 0.408 | 74.6078 | 0 | 969.0999 |
| 4/13/2012 2:00 | 0.3088316 | 116.6619 | 10.28042 | -0.7834695 | 261.3374 | -231.2181 | 0.7819 | 81.63772 | 0 | 968.8043 |
| 4/13/2012 3:00 | 0.2106345 | 125.5247 | 6.191546 | -1.21637 | 261.1516 | -231.3936 | 0.6064 | 81.47594 | 0 | 968.6667 |
| 4/13/2012 4:00 | 0.3238344 | 118.7296 | 11.55572 | -1.286923 | 261.2174 | -230.951 | 1.049 | 88.87063 | 0 | 968.679 |
| 4/13/2012 5:00 | 0.7921879 | 132.0155 | 12.03549 | -1.677554 | 261.2652 | -231.0807 | 0.9193 | 88.27844 | 0 | 968.6353 |
| 4/13/2012 6:00 | 0.5446602 | 132.4449 | 16.22742 | -1.074002 | 261.2074 | -231.157 | 0.843 | 75.88833 | 0 | 968.7505 |
| 4/13/2012 7:00 | 0.8431566 | 136.6006 | 9.546589 | 1.838059 | 261.9702 | -232.111 | 0.00001 | 60.47165 | 0 | 968.7444 |
| 4/13/2012 8:00 | 1.021405 | 138.861 | 18.18574 | 6.040614 | 262.6348 | -233.248 | 0.00001 | 50.10077 | 0 | 968.7465 |
| 4/13/2012 9:00 | 1.214123 | 126.4324 | 22.65286 | 8.593879 | 263.57 | -231.2029 | 0.7971 | 43.85229 | 0 | 968.4262 |
| 4/13/2012 10:00 | 1.363053 | 126.5945 | 25.22223 | 11.09037 | 263.0669 | -232.2407 | 0.00001 | 37.73201 | 0 | 968.1124 |
| 4/13/2012 11:00 | 1.472169 | 133.6703 | 24.24989 | 13.49919 | 263.8868 | -227.723 | 4.277 | 30.40295 | 0 | 967.572 |
| 4/13/2012 12:00 | 1.984312 | 143.9243 | 29.42982 | 15.6739 | 264.1841 | -231.6913 | 0.3087 | 24.6383 | 0 | 966.7158 |
| 4/13/2012 13:00 | 2.315568 | 148.5624 | 27.86921 | 16.94979 | 263.3375 | -232.401 | 0.00001 | 23.78054 | 0 | 965.8311 |
| 4/13/2012 14:00 | 2.327274 | 141.8432 | 26.04777 | 17.36889 | 263.7654 | -229.3408 | 2.6592 | 23.68591 | 0 | 964.9335 |
| 4/13/2012 15:00 | 2.148928 | 138.8924 | 27.00279 | 17.4294 | 263.8153 | -235.0261 | 0.00001 | 23.79428 | 0 | 963.8202 |
| 4/13/2012 16:00 | 2.241521 | 129.1303 | 25.21679 | 17.46046 | 264.86 | -235.8121 | 0.00001 | 25.32969 | 0 | 963.0815 |
| 4/13/2012 17:00 | 1.986468 | 137.9032 | 25.58179 | 17.36662 | 263.816 | -233.9654 | 0.00001 | 24.69629 | 0 | 962.4066 |
| 4/13/2012 18:00 | 1.698385 | 143.693 | 24.53631 | 15.38973 | 263.7281 | -233.5227 | 0.00001 | 30.65173 | 0 | 961.403 |
| 4/13/2012 19:00 | 1.29908 | 114.4324 | 25.33802 | 13.18613 | 263.261 | -232.9428 | 0.00001 | 35.0046 | 0 | 960.5912 |
| 4/13/2012 20:00 | 1.115591 | 111.3054 | 21.0917 | 11.0167 | 263.0328 | -233.1641 | 0.00001 | 41.11114 | 0 | 960.2355 |
| 4/13/2012 21:00 | 0.8889906 | 139.1734 | 20.33395 | 9.557381 | 262.7339 | -232.9123 | 0.00001 | 44.26743 | 0 | 960.2234 |
| 4/13/2012 22:00 | 0.946383 | 148.1268 | 13.87661 | 8.871902 | 262.7329 | -232.3552 | 0.00001 | 46.35992 | 0 | 959.7793 |
| 4/13/2012 23:00 | 1.669104 | 172.0344 | 33.67688 | 9.107789 | 262.5058 | -232.4773 | 0.00001 | 54.93898 | 0 | 959.9696 |
| 4/14/2012 0:00 | 1.164874 | 174.2559 | 24.73747 | 8.165487 | 262.384 | -232.7749 | 0.00001 | 67.24211 | 0 | 959.8035 |
| 4/14/2012 1:00 | 1.364418 | 157.2211 | 22.67998 | 7.020668 | 262.2629 | -232.3475 | 0.00001 | 76.9277 | 0 | 959.2548 |
| 4/14/2012 2:00 | 0.9159895 | 133.0108 | 23.35186 | 5.628612 | 262.1399 | -232.0881 | 0.00001 | 88.43107 | 0 | 958.3226 |
| 4/14/2012 3:00 | 0.9775094 | 113.8047 | 21.13103 | 5.878469 | 262.026 | -231.7675 | 0.2325 | 87.75341 | 0 | 957.436 |
| 4/14/2012 4:00 | 1.138272 | 112.2982 | 27.40245 | 5.68178 | 261.9666 | -231.7828 | 0.2172 | 90.5144 | 0 | 956.7055 |
| 4/14/2012 5:00 | 1.294621 | 111.7374 | 25.01898 | 5.600482 | 262.0129 | -232.0804 | 0.00001 | 88.59896 | 0 | 956.1168 |
| 4/14/2012 6:00 | 1.385068 | 115.7134 | 24.13372 | 5.406752 | 262.0134 | -231.8744 | 0.1256 | 97.18871 | 0 | 955.603 |
| 4/14/2012 7:00 | 1.261559 | 118.002 | 23.21243 | 5.029896 | 261.9436 | -232.3399 | 0.00001 | 97.89078 | 0 | 955.2448 |
| 4/14/2012 8:00 | 1.618032 | 123.6135 | 22.3488 | 5.381156 | 262.0658 | -231.8439 | 0.1561 | 95.87155 | 0 | 954.592 |
| 4/14/2012 9:00 | 1.592601 | 128.3065 | 22.00134 | 5.708837 | 262.1635 | -232.4162 | 0.00001 | 90.73418 | 0 | 953.8168 |
| 4/14/2012 10:00 | 1.328609 | 128.955 | 23.50126 | 6.031027 | 262.2477 | -232.3552 | 0.00001 | 88.44786 | 0 | 953.4987 |
| 4/14/2012 11:00 | 0.7399264 | 130.7434 | 23.86052 | 6.381475 | 262.2356 | -231.8897 | 0.1103 | 86.85445 | 0 | 953.3723 |

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|-----------------|-----------|----------|----------|------------|----------|-----------|---------|----------|-------|----------|
| 4/14/2012 12:00 | 0.8107895 | 126.5827 | 19.70897 | 6.367835 | 262.3431 | -232.4239 | 0.00001 | 91.18596 | 0 | 953.4427 |
| 4/14/2012 13:00 | 0.5242065 | 111.368 | 57.96312 | 5.922933 | 262.2794 | -232.5765 | 0.00001 | 96.44695 | 0 | 953.5532 |
| 4/14/2012 14:00 | 0.6172876 | 320.2314 | 14.7802 | 5.52604 | 262.1893 | -231.3402 | 0.6598 | 99.71465 | 0 | 953.7375 |
| 4/14/2012 15:00 | 0.80144 | 262.1565 | 28.73671 | 6.298973 | 262.1513 | -232.0728 | 0.00001 | 97.49243 | 0 | 953.7605 |
| 4/14/2012 16:00 | 1.354662 | 271.2968 | 23.52794 | 6.492308 | 262.2629 | -232.1186 | 0.00001 | 98.41429 | 0 | 953.8501 |
| 4/14/2012 17:00 | 1.688717 | 283.869 | 19.4852 | 6.196877 | 262.1357 | -232.401 | 0.00001 | 97.66947 | 0 | 954.0378 |
| 4/14/2012 18:00 | 1.776625 | 278.6729 | 21.35345 | 6.245366 | 262.1274 | -232.3018 | 0.00001 | 97.30623 | 0 | 954.1005 |
| 4/14/2012 19:00 | 1.919796 | 268.2486 | 25.43085 | 6.098988 | 262.1302 | -232.172 | 0.00001 | 95.87612 | 0 | 954.8019 |
| 4/14/2012 20:00 | 1.859003 | 273.1945 | 18.90487 | 5.868047 | 262.0743 | -231.9355 | 0.0645 | 95.95702 | 0 | 955.5027 |
| 4/14/2012 21:00 | 2.113994 | 279.0952 | 20.02697 | 5.731428 | 262.032 | -232.1262 | 0.00001 | 94.5956 | 0 | 956.28 |
| 4/14/2012 22:00 | 2.435418 | 286.6736 | 18.12239 | 5.553149 | 262.1219 | -232.3018 | 0.00001 | 92.7351 | 0 | 956.7538 |
| 4/14/2012 23:00 | 1.681592 | 277.032 | 19.62445 | 5.300732 | 261.9983 | -231.9355 | 0.0645 | 95.66245 | 0 | 957.0021 |
| 4/15/2012 0:00 | 2.521774 | 290.764 | 15.18283 | 5.179929 | 261.9944 | -231.9126 | 0.0874 | 96.48205 | 0 | 956.8864 |
| 4/15/2012 1:00 | 2.282844 | 291.795 | 13.90859 | 5.23034 | 261.9884 | -232.2636 | 0.00001 | 94.51929 | 0 | 957.0445 |
| 4/15/2012 2:00 | 1.990248 | 293.5181 | 13.19841 | 5.284364 | 261.9658 | -232.2331 | 0.00001 | 95.52967 | 0 | 957.2148 |
| 4/15/2012 3:00 | 1.38531 | 285.2311 | 14.78369 | 5.255255 | 261.9325 | -231.821 | 0.179 | 95.33279 | 0 | 957.2515 |
| 4/15/2012 4:00 | 2.35949 | 306.5316 | 12.17883 | 4.966896 | 261.9937 | -232.3094 | 0.00001 | 94.72686 | 0 | 957.3315 |
| 4/15/2012 5:00 | 1.663372 | 315.7698 | 11.05293 | 4.503345 | 261.9729 | -231.7218 | 0.2782 | 94.55745 | 0 | 957.5189 |
| 4/15/2012 6:00 | 2.220167 | 321.9868 | 18.60416 | 4.464683 | 261.8788 | -231.5005 | 0.4995 | 97.24518 | 0 | 958.2668 |
| 4/15/2012 7:00 | 2.444918 | 343.4214 | 24.57941 | 2.377919 | 261.7804 | -231.8668 | 0.1332 | 98.35629 | 0 | 959.302 |
| 4/15/2012 8:00 | 2.52318 | 342.6805 | 24.15061 | 0.7173495 | 261.6043 | -231.592 | 0.408 | 92.56721 | 0 | 960.7135 |
| 4/15/2012 9:00 | 2.652938 | 348.7807 | 25.35019 | -0.4557028 | 261.4992 | -231.2639 | 0.7361 | 88.93626 | 0 | 961.6868 |
| 4/15/2012 10:00 | 2.406155 | 346.4356 | 26.1339 | -1.019637 | 261.5547 | -231.2486 | 0.7514 | 84.24761 | 0 | 962.8856 |
| 4/15/2012 11:00 | 2.670799 | 1.540833 | 29.81158 | -1.729474 | 261.4432 | -231.7141 | 0.2859 | 81.09895 | 0 | 963.804 |
| 4/15/2012 12:00 | 2.609349 | 5.569346 | 31.10961 | -2.227858 | 261.5149 | -231.3784 | 0.6216 | 79.11483 | 0 | 964.6482 |
| 4/15/2012 13:00 | 2.853768 | 1.953621 | 30.22528 | -2.343928 | 261.5439 | -231.8362 | 0.1638 | 71.26379 | 0 | 964.7073 |
| 4/15/2012 14:00 | 2.907149 | 5.442665 | 30.92044 | -1.819289 | 261.7302 | -232.3857 | 0.00001 | 65.93258 | 0 | 964.7615 |
| 4/15/2012 15:00 | 2.426468 | 11.6471 | 34.8062 | -1.586331 | 261.77 | -232.1262 | 0.00001 | 62.42983 | 0 | 965.0911 |
| 4/15/2012 16:00 | 2.718436 | 18.34769 | 38.36951 | -1.63834 | 261.6743 | -232.111 | 0.00001 | 58.87366 | 0 | 965.1425 |
| 4/15/2012 17:00 | 2.92881 | 30.24197 | 35.35941 | -2.024621 | 261.607 | -231.7447 | 0.2553 | 58.84314 | 0 | 965.2772 |
| 4/15/2012 18:00 | 2.427273 | 49.21847 | 34.60286 | -1.998746 | 261.4462 | -231.4318 | 0.5682 | 59.03849 | 0 | 965.623 |
| 4/15/2012 19:00 | 2.804885 | 55.97118 | 30.73418 | -2.135994 | 261.3066 | -231.1647 | 0.8353 | 57.2131 | 0 | 965.9977 |
| 4/15/2012 20:00 | 2.865718 | 52.06165 | 34.36108 | -2.753875 | 261.3044 | -231.2334 | 0.7666 | 59.33459 | 0 | 966.5222 |
| 4/15/2012 21:00 | 2.815113 | 39.60896 | 34.56139 | -3.731138 | 261.1128 | -231.1952 | 0.8048 | 61.2714 | 0 | 966.6804 |
| 4/15/2012 22:00 | 2.789357 | 41.33176 | 35.67404 | -4.52492 | 260.8781 | -230.6305 | 1.3695 | 63.40206 | 0 | 966.4659 |
| 4/15/2012 23:00 | 2.819077 | 39.30949 | 36.40831 | -5.081416 | 260.9373 | -231.0807 | 0.9193 | 63.90572 | 0 | 966.3059 |
| 4/16/2012 0:00 | 3.052975 | 45.92105 | 35.01244 | -5.929834 | 260.8593 | -230.7755 | 1.2245 | 61.48355 | 0 | 966.3815 |
| 4/16/2012 1:00 | 2.987617 | 36.76405 | 33.52337 | -6.848144 | 260.8259 | -230.7068 | 1.2932 | 63.8521 | 0 | 965.8378 |
| 4/16/2012 2:00 | 2.910623 | 27.22329 | 36.23116 | -7.78249 | 260.5946 | -230.5847 | 1.4153 | 62.80529 | 0 | 965.5887 |
| 4/16/2012 3:00 | 3.046324 | 15.48216 | 32.65335 | -8.654622 | 260.5458 | -230.6534 | 1.3466 | 64.85352 | 0 | 965.3481 |
| 4/16/2012 4:00 | 2.675296 | 18.71139 | 35.63125 | -9.223996 | 260.5218 | -230.2719 | 1.7281 | 65.3114 | 0 | 965.3885 |
| 4/16/2012 5:00 | 2.774882 | 18.7579 | 33.55203 | -9.880858 | 260.3912 | -230.4321 | 1.5679 | 66.16 | 0 | 965.5088 |
| 4/16/2012 6:00 | 2.467007 | 15.37725 | 31.18724 | -10.44701 | 260.3078 | -230.2566 | 1.7434 | 67.38405 | 0 | 966.0807 |
| 4/16/2012 7:00 | 2.480407 | 10.58253 | 29.62517 | -10.64059 | 260.2846 | -230.6458 | 1.3542 | 62.98081 | 0 | 966.7125 |
| 4/16/2012 8:00 | 2.621399 | 19.31392 | 35.92023 | -10.29191 | 260.4461 | -230.5847 | 1.4153 | 57.55651 | 0 | 967.29 |
| 4/16/2012 9:00 | 2.796818 | 15.13004 | 31.83834 | -9.674327 | 260.6674 | -231.241 | 0.759 | 53.0449 | 0 | 967.5461 |
| 4/16/2012 10:00 | 2.857891 | 31.92843 | 38.04335 | -7.725553 | 261.0261 | -226.6546 | 5.3454 | 41.21492 | 0.254 | 967.7943 |
| 4/16/2012 11:00 | 2.606302 | 25.4085 | 41.05086 | -5.915261 | 260.6725 | -229.6155 | 2.3845 | 35.16333 | 0 | 967.746 |
| 4/16/2012 12:00 | 2.752757 | 32.81668 | 39.74917 | -4.266652 | 261.8539 | -227.7535 | 4.2465 | 29.70545 | 0 | 967.8291 |
| 4/16/2012 13:00 | 2.750289 | 32.48295 | 40.397 | -2.785924 | 261.5788 | -228.9135 | 3.0865 | 27.63433 | 0 | 967.8234 |
| 4/16/2012 14:00 | 2.729694 | 55.60168 | 34.74219 | -1.621372 | 261.2435 | -229.524 | 2.476 | 27.49696 | 0 | 967.8175 |
| 4/16/2012 15:00 | 2.50953 | 64.13019 | 38.41003 | -0.6698881 | 262.3237 | -228.2496 | 3.7504 | 25.87151 | 0 | 967.7974 |
| 4/16/2012 16:00 | 2.065127 | 69.88596 | 36.23719 | -0.18794 | 262.1164 | -237.8344 | 0.00001 | 25.72957 | 0 | 968.0313 |
| 4/16/2012 17:00 | 1.800816 | 81.95098 | 41.89552 | 0.1231102 | 262.4434 | -232.5154 | 0.00001 | 25.54031 | 0 | 968.5693 |
| 4/16/2012 18:00 | 1.161891 | 80.81813 | 41.93358 | 0.2869457 | 262.4668 | -232.4773 | 0.00001 | 27.4466 | 0 | 968.9774 |
| 4/16/2012 19:00 | 0.9037271 | 44.36554 | 40.27082 | -0.5939065 | 261.9341 | -230.7526 | 1.2474 | 32.42371 | 0 | 969.2992 |
| 4/16/2012 20:00 | 0.658084 | 91.61138 | 29.66462 | -2.825749 | 261.0466 | -230.6 | 1.4 | 45.95241 | 0 | 969.9415 |
| 4/16/2012 21:00 | 0.4295543 | 120.9323 | 6.569154 | -5.270626 | 260.65 | -230.2566 | 1.7434 | 45.3236 | 0 | 970.4432 |
| 4/16/2012 22:00 | 0.6280696 | 134.1077 | 10.13944 | -6.049409 | 260.5161 | -230.8213 | 1.1787 | 63.74088 | 0 | 970.5779 |
| 4/16/2012 23:00 | 0.5995916 | 149.1237 | 9.094307 | -6.970431 | 260.2984 | -230.2489 | 1.7511 | 60.82574 | 0 | 970.8624 |
| 4/17/2012 0:00 | 0.9410185 | 144.9593 | 8.151085 | -7.543672 | 260.3356 | -229.7987 | 2.2013 | 81.39504 | 0 | 971.026 |
| 4/17/2012 1:00 | 1.027379 | 138.2681 | 7.518643 | -8.377543 | 260.1899 | -230.3939 | 1.6061 | 79.80011 | 0 | 971.1847 |
| 4/17/2012 2:00 | 1.120245 | 142.4551 | 7.67787 | -8.700852 | 260.3397 | -229.8826 | 2.1174 | 87.729 | 0 | 971.3423 |
| 4/17/2012 3:00 | 1.340944 | 151.1347 | 9.405458 | -8.808598 | 260.2057 | -230.3024 | 1.6976 | 80.32973 | 0 | 971.4809 |
| 4/17/2012 4:00 | 1.607893 | 148.9978 | 11.83192 | -6.656482 | 260.3693 | -229.9818 | 2.0182 | 74.82147 | 0 | 971.3916 |
| 4/17/2012 5:00 | 1.255507 | 151.8873 | 13.20669 | -6.288865 | 260.457 | -231.0426 | 0.9574 | 73.58826 | 0 | 971.0485 |
| 4/17/2012 6:00 | 1.249966 | 159.3105 | 17.97547 | -5.658029 | 260.4227 | -230.6763 | 1.3237 | 67.10169 | 0 | 970.9564 |
| 4/17/2012 7:00 | 1.389045 | 164.4318 | 23.22434 | -3.705138 | 260.7951 | -231.4929 | 0.5071 | 66.49119 | 0 | 971.0551 |
| 4/17/2012 8:00 | 1.582098 | 169.615 | 26.26167 | -2.241833 | 261.0995 | -231.3784 | 0.6216 | 67.12611 | 0 | 971.0344 |
| 4/17/2012 9:00 | 1.79508 | 178.7372 | 30.10994 | -0.7822065 | 261.4577 | -231.6913 | 0.3087 | 63.47227 | 0 | 970.8692 |
| 4/17/2012 10:00 | 1.334731 | 200.1965 | 44.39719 | 0.9926376 | 261.928 | -231.821 | 0.179 | 55.06261 | 0 | 970.8552 |
| 4/17/2012 11:00 | 1.765134 | 213.523 | 40.24763 | 2.661107 | 261.4337 | -229.0203 | 2.9797 | 41.38739 | 0 | 970.6562 |
| 4/17/2012 12:00 | 2.177887 | 219.2361 | 44.68388 | 3.934689 | 261.7838 | -231.5997 | 0.4003 | 35.68225 | 0 | 970.2849 |
| 4/17/2012 13:00 | 2.092475 | 227.1426 | 42.78459 | 4.233149 | 262.9723 | -233.3091 | 0.00001 | 37.6206 | 0 | 970.0544 |

| | | | | | | | | | | |
|-----------------|------------|-----------|----------|-------------|----------|-----------|---------|----------|---|----------|
| 4/17/2012 14:00 | 2.639604 | 238.8126 | 34.88757 | 4.671463 | 262.1164 | -233.3243 | 0.00001 | 39.05375 | 0 | 969.8672 |
| 4/17/2012 15:00 | 2.093803 | 258.0148 | 34.48908 | 4.482354 | 262.1339 | -232.1797 | 0.00001 | 40.82115 | 0 | 969.8168 |
| 4/17/2012 16:00 | 2.084381 | 253.8963 | 38.6692 | 4.619757 | 262.2671 | -232.1873 | 0.00001 | 41.09435 | 0 | 969.8563 |
| 4/17/2012 17:00 | 2.067091 | 255.2846 | 36.07939 | 4.746642 | 262.3748 | -232.2865 | 0.00001 | 39.93287 | 0 | 969.9434 |
| 4/17/2012 18:00 | 1.572245 | 240.2871 | 39.63262 | 4.633718 | 262.285 | -232.4086 | 0.00001 | 40.21523 | 0 | 969.9589 |
| 4/17/2012 19:00 | 0.8158486 | 214.7439 | 33.6075 | 3.667846 | 262.1567 | -231.7905 | 0.2095 | 50.48843 | 0 | 970.0912 |
| 4/17/2012 20:00 | 0.365998 | 177.4984 | 9.548962 | 1.201992 | 261.6642 | -231.8744 | 0.1256 | 58.15632 | 0 | 969.9955 |
| 4/17/2012 21:00 | 0.7566552 | 177.7932 | 12.86905 | 0.1311534 | 261.3516 | -231.6378 | 0.3622 | 65.41518 | 0 | 970.2519 |
| 4/17/2012 22:00 | 0.7878866 | 165.2917 | 13.08688 | -0.2187845 | 261.3103 | -231.5081 | 0.4919 | 69.95884 | 0 | 970.1842 |
| 4/17/2012 23:00 | 0.7276627 | 158.7199 | 7.654218 | -1.15902 | 261.106 | -231.2029 | 0.7971 | 73.85383 | 0 | 969.6403 |
| 4/18/2012 0:00 | 0.7510986 | 155.4474 | 8.479818 | -0.8867525 | 261.0936 | -231.1647 | 0.8353 | 76.84834 | 0 | 969.4913 |
| 4/18/2012 1:00 | 0.3607955 | 160.7879 | 6.192478 | -0.4808201 | 261.1799 | -231.1113 | 0.8887 | 73.55011 | 0 | 969.2026 |
| 4/18/2012 2:00 | 0.08531851 | 26.19534 | 10.06697 | -0.145637 | 261.1601 | -231.4776 | 0.5224 | 79.58186 | 0 | 968.6821 |
| 4/18/2012 3:00 | 0.4135813 | 81.00411 | 31.90331 | -0.06914577 | 261.142 | -231.3173 | 0.6827 | 73.07087 | 0 | 967.9708 |
| 4/18/2012 4:00 | 0.3422222 | 111.5575 | 23.45641 | 0.02796725 | 261.1737 | -231.2563 | 0.7437 | 75.44572 | 0 | 967.53 |
| 4/18/2012 5:00 | 0.5214853 | 118.9922 | 27.94637 | -0.171067 | 261.2831 | -230.8518 | 1.1482 | 94.67191 | 0 | 967.2453 |
| 4/18/2012 6:00 | 0.8364235 | 65.58318 | 23.23795 | -0.61312 | 261.261 | -231.386 | 0.614 | 95.58157 | 0 | 967.3385 |
| 4/18/2012 7:00 | 0.9568026 | 45.24176 | 30.31118 | -0.3153643 | 261.3148 | -231.4471 | 0.5529 | 96.38437 | 0 | 967.2988 |
| 4/18/2012 8:00 | 1.445668 | 63.70463 | 29.05344 | 0.04660948 | 261.4382 | -231.9965 | 0.0035 | 92.38863 | 0 | 967.0495 |
| 4/18/2012 9:00 | 1.842598 | 56.08331 | 31.85715 | 0.6906326 | 261.8083 | -232.0423 | 0.00001 | 87.78394 | 0 | 966.8156 |
| 4/18/2012 10:00 | 2.414364 | 65.44292 | 28.40269 | 1.67749 | 262.5847 | -229.7987 | 2.2013 | 75.82423 | 0 | 966.3718 |
| 4/18/2012 11:00 | 2.784549 | 62.91299 | 28.8956 | 3.16073 | 262.6006 | -228.7074 | 3.2926 | 62.86328 | 0 | 965.9468 |
| 4/18/2012 12:00 | 2.65452 | 61.09672 | 31.44692 | 3.967351 | 262.3752 | -230.6381 | 1.3619 | 54.27964 | 0 | 965.7598 |
| 4/18/2012 13:00 | 2.275286 | 72.90499 | 37.20448 | 5.133756 | 262.058 | -232.4696 | 0.00001 | 49.92982 | 0 | 965.3607 |
| 4/18/2012 14:00 | 1.742004 | 61.69214 | 38.12202 | 5.340226 | 262.9714 | -232.1644 | 0.00001 | 46.64686 | 0 | 965.2368 |
| 4/18/2012 15:00 | 0.8298076 | 73.23255 | 78.89856 | 6.674761 | 262.7294 | -237.6513 | 0.00001 | 36.17524 | 0 | 965.2519 |
| 4/18/2012 16:00 | 0.8836136 | 110.5614 | 55.88978 | 8.086308 | 264.6504 | -233.0649 | 0.00001 | 32.92737 | 0 | 965.1936 |
| 4/18/2012 17:00 | 0.7578447 | 321.2041 | 81.93112 | 7.264699 | 262.8857 | -233.0114 | 0.00001 | 30.6212 | 0 | 965.2092 |
| 4/18/2012 18:00 | 0.7376819 | 295.1434 | 61.49842 | 6.606546 | 262.4781 | -232.1568 | 0.00001 | 46.41639 | 0 | 965.4445 |
| 4/18/2012 19:00 | 0.3221051 | 191.0746 | 30.62044 | 5.64587 | 262.1516 | -232.0804 | 0.00001 | 49.09954 | 0 | 965.6908 |
| 4/18/2012 20:00 | 0.4777921 | 169.5324 | 68.09007 | 3.420457 | 261.9918 | -231.5157 | 0.4843 | 65.57086 | 0 | 966.0942 |
| 4/18/2012 21:00 | 0.5489878 | 48.29951 | 71.74436 | 1.162353 | 261.5971 | -231.3784 | 0.6216 | 76.88345 | 0 | 966.2831 |
| 4/18/2012 22:00 | 0.8195578 | 359.729 | 31.0365 | -0.2199737 | 261.1596 | -231.531 | 0.469 | 79.10262 | 0 | 966.5752 |
| 4/18/2012 23:00 | 0.6193801 | 63.94289 | 43.67009 | -0.9404888 | 261.0635 | -230.9205 | 1.0795 | 63.9454 | 0 | 966.822 |
| 4/19/2012 0:00 | 0.27673 | 113.9213 | 46.48966 | -1.560357 | 261.0984 | -231.2792 | 0.7208 | 71.14626 | 0 | 966.9601 |
| 4/19/2012 1:00 | 0.2628821 | 139.5267 | 9.390268 | -2.485392 | 260.9318 | -230.5695 | 1.4305 | 87.76257 | 0 | 967.1135 |
| 4/19/2012 2:00 | 0.7292852 | 150.9718 | 18.53537 | -3.47628 | 260.8378 | -231.2181 | 0.7819 | 97.95031 | 0 | 967.0648 |
| 4/19/2012 3:00 | 0.7931601 | 154.569 | 13.9521 | -3.121911 | 260.9006 | -230.9434 | 1.0566 | 99.21404 | 0 | 967.1409 |
| 4/19/2012 4:00 | 0.3977256 | 165.8345 | 51.93958 | -2.585056 | 261.0663 | -230.8824 | 1.1176 | 97.68016 | 0 | 967.188 |
| 4/19/2012 5:00 | 0.5856366 | 281.6497 | 54.596 | -2.523444 | 261.0386 | -231.5234 | 0.4766 | 86.18137 | 0 | 967.2643 |
| 4/19/2012 6:00 | 1.702375 | 289.8069 | 13.51524 | -2.548382 | 261.1304 | -230.9968 | 1.0032 | 70.79828 | 0 | 967.5101 |
| 4/19/2012 7:00 | 2.414764 | 301.0191 | 14.1028 | -1.472239 | 261.2908 | -231.3173 | 0.6827 | 62.92129 | 0 | 967.8493 |
| 4/19/2012 8:00 | 2.96485 | 308.2239 | 13.29072 | -0.2505713 | 261.573 | -232.0423 | 0.00001 | 55.08703 | 0 | 968.2392 |
| 4/19/2012 9:00 | 2.341408 | 315.764 | 18.95057 | 2.217039 | 262.1262 | -229.6995 | 2.3005 | 43.38525 | 0 | 968.4922 |
| 4/19/2012 10:00 | 2.806274 | 323.1402 | 22.02653 | 4.480715 | 262.3991 | -229.8979 | 2.1021 | 42.00399 | 0 | 968.6815 |
| 4/19/2012 11:00 | 3.338938 | 316.081 | 23.37022 | 5.21136 | 261.7872 | -243.9623 | 0.00001 | 40.9463 | 0 | 968.9097 |
| 4/19/2012 12:00 | 2.745136 | 309.6388 | 18.51393 | 5.618313 | 262.4111 | -227.7001 | 4.2999 | 34.86877 | 0 | 968.9351 |
| 4/19/2012 13:00 | 2.845817 | 303.3399 | 23.26071 | 6.240028 | 261.7538 | -231.2944 | 0.7056 | 31.02566 | 0 | 968.8912 |
| 4/19/2012 14:00 | 2.962483 | 301.6301 | 26.61627 | 7.113098 | 263.0402 | -230.7831 | 1.2169 | 28.71949 | 0 | 968.9423 |
| 4/19/2012 15:00 | 3.164617 | 305.3705 | 21.3467 | 7.342528 | 262.314 | -238.8341 | 0.00001 | 25.72041 | 0 | 968.7775 |
| 4/19/2012 16:00 | 3.393538 | 302.3995 | 23.46104 | 7.505175 | 262.3134 | -234.3393 | 0.00001 | 25.50978 | 0 | 968.4625 |
| 4/19/2012 17:00 | 3.45577 | 317.3239 | 17.19545 | 6.909575 | 263.1349 | -232.1491 | 0.00001 | 24.098 | 0 | 968.4188 |
| 4/19/2012 18:00 | 2.91779 | 319.8937 | 20.45063 | 6.243676 | 262.5721 | -232.7673 | 0.00001 | 25.84709 | 0 | 968.7651 |
| 4/19/2012 19:00 | 2.126346 | 334.7798 | 21.61034 | 4.455465 | 262.302 | -231.7981 | 0.2019 | 29.11937 | 0 | 969.4252 |
| 4/19/2012 20:00 | 2.136114 | 338.6966 | 20.41002 | 2.049796 | 261.8102 | -231.5615 | 0.4385 | 31.772 | 0 | 970.2556 |
| 4/19/2012 21:00 | 1.990241 | 342.0949 | 21.2884 | 0.5258081 | 261.5193 | -231.325 | 0.675 | 35.76925 | 0 | 971.0698 |
| 4/19/2012 22:00 | 1.936597 | 353.276 | 22.21294 | -0.6346877 | 261.3206 | -231.0884 | 0.9116 | 36.43623 | 0 | 971.5701 |
| 4/19/2012 23:00 | 1.67034 | 5.206349 | 23.3118 | -1.381657 | 261.0085 | -230.9815 | 1.0185 | 38.02658 | 0 | 971.8506 |
| 4/20/2012 0:00 | 1.408182 | 4.823578 | 21.23031 | -2.204125 | 260.9268 | -230.9281 | 1.0719 | 42.51834 | 0 | 972.3072 |
| 4/20/2012 1:00 | 0.9088904 | 15.89754 | 24.99343 | -3.00713 | 260.6198 | -230.3787 | 1.6213 | 46.76896 | 0 | 972.4143 |
| 4/20/2012 2:00 | 0.9846604 | 73.70173 | 21.55583 | -3.648445 | 260.5048 | -230.9205 | 1.0795 | 48.80956 | 0 | 972.3112 |
| 4/20/2012 3:00 | 0.8194242 | 70.08212 | 24.95389 | -4.473388 | 260.388 | -229.9971 | 2.0029 | 53.75462 | 0 | 972.3666 |
| 4/20/2012 4:00 | 0.7256488 | 28.06087 | 18.40086 | -4.855591 | 260.1703 | -229.3026 | 2.6974 | 57.3993 | 0 | 972.6484 |
| 4/20/2012 5:00 | 0.7896017 | 26.70012 | 18.60189 | -5.348538 | 260.1617 | -230.0658 | 1.9342 | 61.54308 | 0 | 972.8984 |
| 4/20/2012 6:00 | 0.6891827 | 24.37854 | 23.84527 | -5.445588 | 260.2754 | -230.4702 | 1.5298 | 59.2186 | 0 | 973.3019 |
| 4/20/2012 7:00 | 1.086674 | 51.59168 | 33.40122 | -3.250495 | 261.2429 | -231.9507 | 0.0493 | 49.93135 | 0 | 973.7996 |
| 4/20/2012 8:00 | 1.150765 | 36.61761 | 44.8505 | -1.702973 | 262.1261 | -232.1262 | 0.00001 | 42.94875 | 0 | 974.0905 |
| 4/20/2012 9:00 | 1.29912 | 12.38044 | 51.35226 | -0.3737167 | 262.7742 | -234.8582 | 0.00001 | 36.66822 | 0 | 974.1721 |
| 4/20/2012 10:00 | 1.46023 | 351.8228 | 51.37639 | 0.9761099 | 261.2061 | -242.9779 | 0.00001 | 28.56534 | 0 | 974.1351 |
| 4/20/2012 11:00 | 1.337781 | 0.2487664 | 82.20291 | 2.347625 | 262.7964 | -228.5167 | 3.4833 | 28.32725 | 0 | 974.024 |
| 4/20/2012 12:00 | 1.328195 | 79.9865 | 66.83401 | 3.301237 | 263.5024 | -229.3256 | 2.6744 | 25.319 | 0 | 973.567 |
| 4/20/2012 13:00 | 1.417349 | 317.9257 | 65.80411 | 4.057746 | 261.5138 | -226.8759 | 5.1241 | 24.156 | 0 | 973.0794 |
| 4/20/2012 14:00 | 1.212722 | 78.50475 | 68.50917 | 5.351384 | 262.8851 | -230.5466 | 1.4534 | 20.96613 | 0 | 972.5247 |
| 4/20/2012 15:00 | 1.637913 | 109.6087 | 40.87387 | 5.761279 | 262.8303 | -231.2486 | 0.7514 | 20.79061 | 0 | 971.9153 |

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|-----------------|-----------|----------|----------|------------|----------|-----------|---------|----------|---|----------|
| 4/20/2012 16:00 | 1.293532 | 97.55524 | 57.81418 | 6.527146 | 262.8568 | -238.3076 | 0.00001 | 18.20819 | 0 | 971.3636 |
| 4/20/2012 17:00 | 1.016375 | 45.161 | 69.74745 | 7.073306 | 262.964 | -233.0649 | 0.00001 | 19.87333 | 0 | 970.9219 |
| 4/20/2012 18:00 | 0.9339262 | 23.80338 | 44.99523 | 6.405005 | 263.0843 | -232.9352 | 0.00001 | 21.91546 | 0 | 970.6476 |
| 4/20/2012 19:00 | 0.7417579 | 144.9406 | 64.38367 | 5.265444 | 262.7931 | -232.3857 | 0.00001 | 33.49971 | 0 | 970.3016 |
| 4/20/2012 20:00 | 0.6966568 | 142.2252 | 8.707472 | 1.061473 | 261.8973 | -231.9431 | 0.0569 | 39.47805 | 0 | 970.4255 |
| 4/20/2012 21:00 | 0.8124501 | 137.1819 | 8.881557 | -0.8962215 | 261.4168 | -231.6073 | 0.3927 | 50.38923 | 0 | 970.3536 |
| 4/20/2012 22:00 | 0.7892467 | 142.905 | 8.838372 | -2.126066 | 261.2004 | -231.0502 | 0.9498 | 59.57727 | 0 | 970.1741 |
| 4/20/2012 23:00 | 1.016608 | 143.9319 | 6.92747 | -2.547515 | 261.1854 | -231.035 | 0.965 | 61.22715 | 0 | 970.1449 |
| 4/21/2012 0:00 | 1.168605 | 138.0847 | 7.173945 | -2.916748 | 261.1705 | -230.9052 | 1.0948 | 66.09283 | 0 | 969.9226 |
| 4/21/2012 1:00 | 1.245733 | 141.6462 | 9.84663 | -3.739948 | 260.9099 | -230.8671 | 1.1329 | 66.48203 | 0 | 969.7642 |
| 4/21/2012 2:00 | 0.9606233 | 129.9421 | 10.19679 | -4.293426 | 260.8867 | -230.7373 | 1.2627 | 75.6075 | 0 | 969.6818 |
| 4/21/2012 3:00 | 0.7222854 | 142.2181 | 7.768055 | -5.228245 | 260.5148 | -230.2871 | 1.7129 | 81.06538 | 0 | 969.7252 |
| 4/21/2012 4:00 | 0.7895639 | 98.85616 | 11.88275 | -5.447707 | 260.5205 | -230.3329 | 1.6671 | 77.46495 | 0 | 969.6938 |
| 4/21/2012 5:00 | 1.162714 | 133.4409 | 6.535038 | -5.671863 | 260.687 | -230.455 | 1.545 | 81.92313 | 0 | 969.5439 |
| 4/21/2012 6:00 | 1.2618 | 135.5139 | 7.894808 | -5.180783 | 260.8115 | -230.9892 | 1.0108 | 76.91092 | 0 | 969.6075 |
| 4/21/2012 7:00 | 1.367613 | 129.8506 | 16.36011 | -1.066771 | 261.4597 | -232.1873 | 0.00001 | 57.67861 | 0 | 969.7446 |
| 4/21/2012 8:00 | 1.328771 | 123.0835 | 23.59218 | 2.318544 | 262.3586 | -232.401 | 0.00001 | 48.63709 | 0 | 969.7747 |
| 4/21/2012 9:00 | 1.509894 | 128.3299 | 25.366 | 4.634172 | 262.5971 | -230.5771 | 1.4229 | 42.42982 | 0 | 969.7245 |
| 4/21/2012 10:00 | 1.635642 | 128.8598 | 29.05284 | 6.476338 | 262.5058 | -228.4785 | 3.5215 | 33.30741 | 0 | 969.5876 |
| 4/21/2012 11:00 | 1.955184 | 120.7874 | 28.87483 | 7.482867 | 262.3126 | -230.7144 | 1.2856 | 32.02841 | 0 | 969.3055 |
| 4/21/2012 12:00 | 2.269798 | 121.6666 | 27.95331 | 8.479483 | 262.5456 | -231.5463 | 0.4537 | 27.81595 | 0 | 968.9805 |
| 4/21/2012 13:00 | 2.107329 | 129.8009 | 29.07364 | 9.351579 | 263.3902 | -231.1494 | 0.8506 | 25.65325 | 0 | 968.8069 |
| 4/21/2012 14:00 | 1.907375 | 127.6779 | 30.87722 | 10.34083 | 263.9826 | -231.0426 | 0.9574 | 23.16851 | 0 | 968.7459 |
| 4/21/2012 15:00 | 1.58805 | 129.1981 | 32.41374 | 11.05537 | 263.7191 | -231.9583 | 0.0417 | 23.10136 | 0 | 968.7015 |
| 4/21/2012 16:00 | 1.35859 | 132.4682 | 50.32897 | 11.09157 | 263.7833 | -230.8976 | 1.1024 | 21.81625 | 0 | 968.8104 |
| 4/21/2012 17:00 | 1.228405 | 126.3592 | 30.19176 | 11.48094 | 263.6154 | -233.6143 | 0.00001 | 22.54733 | 0 | 969.0247 |
| 4/21/2012 18:00 | 1.201548 | 111.2881 | 37.72473 | 10.73149 | 263.3688 | -233.0344 | 0.00001 | 23.10594 | 0 | 969.3688 |
| 4/21/2012 19:00 | 1.035856 | 98.11189 | 25.02526 | 9.090034 | 263.0435 | -233.1488 | 0.00001 | 26.72163 | 0 | 969.7799 |
| 4/21/2012 20:00 | 0.7681046 | 133.1676 | 17.50861 | 5.020992 | 262.4211 | -231.8134 | 0.1866 | 41.54154 | 0 | 970.2424 |
| 4/21/2012 21:00 | 0.9182729 | 143.8002 | 8.201365 | 2.210567 | 261.9509 | -232.1797 | 0.00001 | 42.03147 | 0 | 970.8176 |
| 4/21/2012 22:00 | 1.087663 | 153.4088 | 5.093588 | 1.423099 | 261.8167 | -231.4699 | 0.5301 | 41.56902 | 0 | 971.1702 |
| 4/21/2012 23:00 | 1.107316 | 150.4624 | 4.143919 | 0.4521845 | 261.7101 | -231.6302 | 0.3698 | 58.08001 | 0 | 971.4397 |
| 4/22/2012 0:00 | 0.7548831 | 151.2679 | 16.21202 | -0.1571899 | 261.5672 | -231.8973 | 0.1027 | 77.10475 | 0 | 971.7922 |
| 4/22/2012 1:00 | 0.6814381 | 151.4049 | 9.136571 | -1.173502 | 261.3188 | -231.6607 | 0.3393 | 70.07788 | 0 | 972.0327 |
| 4/22/2012 2:00 | 0.90786 | 137.3011 | 7.526907 | -2.473105 | 261.1916 | -230.7984 | 1.2016 | 85.18778 | 0 | 972.2918 |
| 4/22/2012 3:00 | 0.661476 | 150.3262 | 5.121374 | -3.037681 | 260.8285 | -230.371 | 1.629 | 87.49395 | 0 | 972.5556 |
| 4/22/2012 4:00 | 0.3430947 | 173.07 | 6.951647 | -2.205304 | 260.8011 | -231.2029 | 0.7971 | 77.27264 | 0 | 972.6908 |
| 4/22/2012 5:00 | 0.551061 | 172.4812 | 5.862713 | -2.396708 | 261.2095 | -231.1876 | 0.8124 | 93.37307 | 0 | 972.7726 |
| 4/22/2012 6:00 | 0.622542 | 171.7062 | 12.88163 | -2.59663 | 261.2485 | -231.4012 | 0.5988 | 84.60018 | 0 | 973.1901 |
| 4/22/2012 7:00 | 0.5924139 | 162.0846 | 22.45402 | 1.059007 | 261.9323 | -232.5612 | 0.00001 | 58.58215 | 0 | 973.4988 |
| 4/22/2012 8:00 | 0.9238077 | 220.9055 | 47.81448 | 4.860765 | 262.6707 | -232.1339 | 0.00001 | 58.84619 | 0 | 973.7204 |
| 4/22/2012 9:00 | 1.078532 | 246.1178 | 46.85413 | 7.06951 | 263.4841 | -231.676 | 0.324 | 52.60839 | 0 | 973.6549 |
| 4/22/2012 10:00 | 1.354915 | 238.2671 | 54.95946 | 9.722698 | 263.3778 | -231.7141 | 0.2859 | 45.36328 | 0 | 973.4774 |
| 4/22/2012 11:00 | 2.127112 | 271.963 | 45.72369 | 10.83719 | 262.4108 | -231.3478 | 0.6522 | 32.40081 | 0 | 973.1541 |
| 4/22/2012 12:00 | 1.65859 | 254.4918 | 62.30037 | 12.20516 | 263.4634 | -232.1568 | 0.00001 | 24.9176 | 0 | 972.7594 |
| 4/22/2012 13:00 | 2.21755 | 262.4662 | 44.51855 | 12.68571 | 263.0962 | -235.0795 | 0.00001 | 24.41699 | 0 | 972.2561 |
| 4/22/2012 14:00 | 1.738477 | 262.7881 | 54.22945 | 12.60401 | 262.552 | -233.4007 | 0.00001 | 27.71522 | 0 | 971.9696 |
| 4/22/2012 15:00 | 1.883919 | 240.0397 | 42.95264 | 13.33063 | 263.8425 | -245.0078 | 0.00001 | 25.00154 | 0 | 971.8364 |
| 4/22/2012 16:00 | 1.786666 | 228.4128 | 42.77215 | 13.52089 | 264.0018 | -230.31 | 1.69 | 28.22346 | 0 | 971.5496 |
| 4/22/2012 17:00 | 1.362146 | 222.468 | 38.77544 | 12.50397 | 263.0876 | -232.5154 | 0.00001 | 31.78879 | 0 | 971.4309 |
| 4/22/2012 18:00 | 1.403466 | 230.544 | 34.08912 | 12.17338 | 263.1111 | -233.8509 | 0.00001 | 29.43988 | 0 | 971.3278 |
| 4/22/2012 19:00 | 0.9660481 | 202.261 | 36.55902 | 10.41432 | 262.9357 | -232.6223 | 0.00001 | 43.9637 | 0 | 971.2915 |
| 4/22/2012 20:00 | 0.8698236 | 181.4772 | 15.40645 | 7.371732 | 262.4588 | -231.8591 | 0.1409 | 49.58489 | 0 | 971.4732 |
| 4/22/2012 21:00 | 0.7866541 | 186.6823 | 12.84855 | 6.214163 | 261.9618 | -231.737 | 0.263 | 56.70181 | 0 | 971.631 |
| 4/22/2012 22:00 | 1.139369 | 211.4586 | 22.31592 | 5.106324 | 261.806 | -231.7752 | 0.2248 | 62.75034 | 0 | 971.5461 |
| 4/22/2012 23:00 | 1.435943 | 234.489 | 19.30608 | 5.191 | 261.7137 | -231.4699 | 0.5301 | 66.18288 | 0 | 971.5443 |
| 4/23/2012 0:00 | 1.182604 | 226.0092 | 22.27556 | 4.653092 | 261.831 | -232.0728 | 0.00001 | 71.9857 | 0 | 971.5669 |
| 4/23/2012 1:00 | 1.130912 | 242.7046 | 21.81453 | 3.470847 | 261.7899 | -232.0423 | 0.00001 | 75.52203 | 0 | 971.4663 |
| 4/23/2012 2:00 | 1.459198 | 260.163 | 19.40922 | 3.530336 | 261.6666 | -231.3173 | 0.6827 | 75.87002 | 0 | 971.2795 |
| 4/23/2012 3:00 | 0.9351994 | 268.213 | 14.518 | 2.707286 | 261.8727 | -232.0576 | 0.00001 | 85.48846 | 0 | 971.0825 |
| 4/23/2012 4:00 | 0.2328923 | 272.3076 | 24.10186 | 0.5585376 | 261.5677 | -231.2334 | 0.7666 | 97.43291 | 0 | 970.7823 |
| 4/23/2012 5:00 | 0.6795869 | 266.0502 | 70.1468 | -0.3672475 | 261.4337 | -231.5463 | 0.4537 | 99.24151 | 0 | 970.7968 |
| 4/23/2012 6:00 | 0.3436332 | 193.0744 | 19.69257 | 0.1185406 | 261.6641 | -231.8668 | 0.1332 | 91.80562 | 0 | 970.7108 |
| 4/23/2012 7:00 | 0.5254518 | 174.0296 | 44.04337 | 2.843196 | 261.9145 | -231.966 | 0.034 | 71.23326 | 0 | 970.7205 |
| 4/23/2012 8:00 | 1.295721 | 267.1021 | 33.04148 | 7.706622 | 262.6548 | -232.8893 | 0.00001 | 57.32757 | 0 | 970.7221 |
| 4/23/2012 9:00 | 1.511835 | 248.0029 | 29.65343 | 9.31459 | 262.8581 | -230.5771 | 1.4229 | 50.55711 | 0 | 970.4905 |
| 4/23/2012 10:00 | 1.170783 | 241.2067 | 38.75381 | 11.47947 | 262.4086 | -231.0044 | 0.9956 | 37.58855 | 0 | 970.0498 |
| 4/23/2012 11:00 | 1.587561 | 239.1902 | 52.64311 | 13.87511 | 263.5473 | -244.6491 | 0.00001 | 32.42371 | 0 | 969.4227 |
| 4/23/2012 12:00 | 1.713273 | 240.2189 | 43.4987 | 14.2878 | 263.5003 | -256.325 | 0.00001 | 31.31717 | 0 | 968.6801 |
| 4/23/2012 13:00 | 1.563717 | 244.0786 | 46.54752 | 15.15252 | 264.8024 | -231.9355 | 0.0645 | 29.14837 | 0 | 967.8685 |
| 4/23/2012 14:00 | 1.857568 | 252.9536 | 50.20011 | 15.65779 | 265.0595 | -228.4327 | 3.5673 | 28.69965 | 0 | 967.0795 |
| 4/23/2012 15:00 | 1.493212 | 262.8589 | 47.72379 | 15.57879 | 263.8519 | -235.5756 | 0.00001 | 29.43836 | 0 | 966.2928 |
| 4/23/2012 16:00 | 1.005416 | 235.2394 | 51.97487 | 14.86147 | 263.719 | -233.5991 | 0.00001 | 29.34984 | 0 | 965.8046 |
| 4/23/2012 17:00 | 0.9707055 | 320.0019 | 41.19454 | 14.37719 | 263.5733 | -233.6219 | 0.00001 | 31.68042 | 0 | 965.4016 |

| | | | | | | | | | | |
|-----------------|-----------|----------|----------|------------|----------|-----------|---------|----------|-------|----------|
| 4/23/2012 18:00 | 1.7152 | 299.7979 | 33.09266 | 13.05498 | 263.1744 | -232.8817 | 0.00001 | 42.98843 | 0 | 965.2565 |
| 4/23/2012 19:00 | 1.647871 | 334.3232 | 49.7235 | 11.36204 | 262.7898 | -232.7673 | 0.00001 | 52.67556 | 0 | 965.1863 |
| 4/23/2012 20:00 | 2.233874 | 359.5282 | 27.05042 | 8.795115 | 262.5528 | -232.752 | 0.00001 | 63.2418 | 0 | 965.303 |
| 4/23/2012 21:00 | 2.036654 | 16.37733 | 34.86623 | 7.697322 | 262.283 | -232.2712 | 0.00001 | 69.13161 | 0 | 965.4919 |
| 4/23/2012 22:00 | 1.999626 | 47.53 | 32.9913 | 6.707757 | 262.162 | -232.401 | 0.00001 | 75.31446 | 0 | 965.1422 |
| 4/23/2012 23:00 | 1.253664 | 30.19651 | 36.97865 | 5.646421 | 262.0522 | -231.9355 | 0.0645 | 86.72167 | 0 | 965.002 |
| 4/24/2012 0:00 | 1.381796 | 22.37103 | 36.34193 | 4.936834 | 261.9214 | -232.1797 | 0.00001 | 87.613 | 0 | 964.9747 |
| 4/24/2012 1:00 | 1.134602 | 21.49388 | 34.5497 | 4.273724 | 261.9476 | -231.9507 | 0.0493 | 89.25067 | 0 | 964.835 |
| 4/24/2012 2:00 | 1.325945 | 31.22186 | 32.78004 | 3.708217 | 261.8122 | -231.8744 | 0.1256 | 91.12796 | 0 | 964.4504 |
| 4/24/2012 3:00 | 1.746222 | 66.25574 | 27.6401 | 3.853503 | 261.8116 | -231.5081 | 0.4919 | 88.08461 | 0 | 964.3355 |
| 4/24/2012 4:00 | 1.423587 | 51.38094 | 34.45977 | 3.60656 | 261.8251 | -231.7523 | 0.2477 | 90.16489 | 0 | 964.3063 |
| 4/24/2012 5:00 | 1.609709 | 47.32811 | 32.22037 | 3.46377 | 261.8681 | -231.7141 | 0.2859 | 89.91459 | 0 | 964.3976 |
| 4/24/2012 6:00 | 1.167853 | 38.29728 | 31.30842 | 3.624674 | 261.797 | -231.6455 | 0.3545 | 86.72472 | 0 | 964.5496 |
| 4/24/2012 7:00 | 1.70748 | 61.32186 | 29.72918 | 3.951362 | 261.9045 | -232.4544 | 0.00001 | 81.07453 | 0 | 964.5568 |
| 4/24/2012 8:00 | 1.512334 | 52.70072 | 38.04203 | 5.467143 | 262.6404 | -232.813 | 0.00001 | 72.15969 | 0 | 964.7072 |
| 4/24/2012 9:00 | 2.128796 | 66.36281 | 31.29732 | 6.670186 | 262.7875 | -234.1104 | 0.00001 | 63.80346 | 0 | 964.7108 |
| 4/24/2012 10:00 | 2.040213 | 70.81837 | 34.51488 | 7.467131 | 263.7058 | -227.3262 | 4.6738 | 50.60748 | 0 | 964.5712 |
| 4/24/2012 11:00 | 1.925382 | 55.40731 | 44.88287 | 8.953638 | 262.6103 | -227.1964 | 4.8036 | 41.66822 | 0 | 963.9713 |
| 4/24/2012 12:00 | 2.152122 | 60.02973 | 39.80289 | 10.57684 | 263.6367 | -244.2294 | 0.00001 | 33.67218 | 0 | 963.2966 |
| 4/24/2012 13:00 | 2.230297 | 57.53146 | 39.659 | 11.1218 | 263.2596 | -239.6888 | 0.00001 | 32.31229 | 0 | 962.4988 |
| 4/24/2012 14:00 | 1.924809 | 55.55844 | 42.18327 | 11.49382 | 264.5099 | -231.0197 | 0.9803 | 31.98262 | 0 | 961.6697 |
| 4/24/2012 15:00 | 1.676625 | 51.0048 | 44.37498 | 12.25498 | 263.6108 | -234.3011 | 0.00001 | 29.07053 | 0 | 961.1933 |
| 4/24/2012 16:00 | 1.314613 | 46.94726 | 40.20168 | 11.81928 | 263.4031 | -228.9745 | 3.0255 | 30.57389 | 0 | 960.8351 |
| 4/24/2012 17:00 | 1.512306 | 34.30741 | 37.41148 | 11.80603 | 263.2898 | -233.2862 | 0.00001 | 29.30863 | 0 | 960.717 |
| 4/24/2012 18:00 | 0.9942557 | 20.00894 | 29.34077 | 10.81442 | 263.0888 | -232.5078 | 0.00001 | 33.10289 | 0 | 960.6757 |
| 4/24/2012 19:00 | 1.07152 | 55.1777 | 26.95311 | 9.919732 | 262.7401 | -232.1186 | 0.00001 | 37.93043 | 0 | 959.908 |
| 4/24/2012 20:00 | 0.8528787 | 60.46461 | 18.34636 | 8.229921 | 262.303 | -231.5615 | 0.4385 | 40.57695 | 0 | 959.6275 |
| 4/24/2012 21:00 | 1.028744 | 70.25491 | 22.56664 | 7.005656 | 261.9168 | -231.8439 | 0.1561 | 45.78452 | 0 | 959.767 |
| 4/24/2012 22:00 | 1.621985 | 70.67925 | 21.53206 | 6.433799 | 262.0229 | -231.8744 | 0.1256 | 46.76438 | 0 | 959.8455 |
| 4/24/2012 23:00 | 2.039262 | 80.27722 | 22.71539 | 5.181535 | 261.7966 | -231.9278 | 0.0722 | 53.57146 | 0 | 959.5831 |
| 4/25/2012 0:00 | 1.567538 | 95.16266 | 23.9703 | 4.074168 | 261.8542 | -231.8057 | 0.1943 | 58.17006 | 0 | 959.4036 |
| 4/25/2012 1:00 | 1.489261 | 99.50657 | 27.22744 | 3.739884 | 261.8338 | -231.6149 | 0.3851 | 60.4335 | 0 | 959.0947 |
| 4/25/2012 2:00 | 1.188951 | 117.0091 | 21.15953 | 3.265221 | 261.7041 | -231.8439 | 0.1561 | 61.91243 | 0 | 958.9857 |
| 4/25/2012 3:00 | 1.438842 | 112.2746 | 19.65932 | 2.827161 | 261.6703 | -231.4776 | 0.5224 | 63.32574 | 0 | 958.8471 |
| 4/25/2012 4:00 | 1.413861 | 112.7797 | 19.78657 | 2.395349 | 261.701 | -231.8515 | 0.1485 | 65.8349 | 0 | 958.9976 |
| 4/25/2012 5:00 | 0.920963 | 111.9004 | 18.55544 | 1.641637 | 261.6277 | -231.3478 | 0.6522 | 70.8288 | 0 | 959.0409 |
| 4/25/2012 6:00 | 0.9400097 | 112.5885 | 20.15701 | 1.474031 | 261.5955 | -231.4089 | 0.5911 | 71.20731 | 0 | 959.3168 |
| 4/25/2012 7:00 | 1.259187 | 116.9488 | 22.32525 | 2.243837 | 261.7067 | -231.7752 | 0.2248 | 64.40176 | 0 | 959.5458 |
| 4/25/2012 8:00 | 1.453479 | 110.4421 | 27.43491 | 3.420952 | 261.9767 | -232.5231 | 0.00001 | 59.71463 | 0 | 959.5201 |
| 4/25/2012 9:00 | 1.313161 | 51.35539 | 48.36958 | 4.285524 | 262.3961 | -232.6757 | 0.00001 | 57.12153 | 0 | 959.7711 |
| 4/25/2012 10:00 | 1.263834 | 45.92745 | 40.12149 | 4.842824 | 262.2717 | -233.5227 | 0.00001 | 50.77689 | 0 | 959.8326 |
| 4/25/2012 11:00 | 1.110233 | 2.404052 | 46.87652 | 6.13763 | 262.8988 | -232.7062 | 0.00001 | 50.2946 | 0 | 959.747 |
| 4/25/2012 12:00 | 1.325262 | 325.049 | 33.72862 | 6.093954 | 262.7205 | -232.111 | 0.00001 | 51.23172 | 0 | 959.6761 |
| 4/25/2012 13:00 | 1.257396 | 304.4306 | 43.92097 | 6.436092 | 262.39 | -231.737 | 0.263 | 52.64808 | 0 | 959.7418 |
| 4/25/2012 14:00 | 2.709486 | 337.2801 | 23.88844 | 5.216905 | 262.1783 | -232.3323 | 0.00001 | 85.52966 | 0 | 960.1016 |
| 4/25/2012 15:00 | 3.396781 | 344.92 | 25.09626 | 1.622077 | 261.8044 | -231.6607 | 0.3393 | 88.8569 | 0 | 961.0331 |
| 4/25/2012 16:00 | 3.019694 | 345.8757 | 25.18737 | 0.4279104 | 261.6035 | -231.5005 | 0.4995 | 75.44419 | 0 | 961.8214 |
| 4/25/2012 17:00 | 3.186662 | 346.2022 | 25.95762 | 0.7158955 | 261.633 | -231.6073 | 0.3927 | 74.23235 | 0 | 962.5462 |
| 4/25/2012 18:00 | 3.660768 | 341.5436 | 24.32565 | -0.187949 | 261.4408 | -231.8973 | 0.1027 | 68.53027 | 0 | 963.6279 |
| 4/25/2012 19:00 | 3.604516 | 334.2506 | 25.73465 | -0.8688267 | 261.4008 | -231.5005 | 0.4995 | 63.04033 | 0 | 964.579 |
| 4/25/2012 20:00 | 3.36363 | 333.2639 | 22.91301 | -1.361404 | 261.4681 | -231.3631 | 0.6369 | 61.35382 | 0 | 965.4262 |
| 4/25/2012 21:00 | 4.03682 | 335.4333 | 22.84345 | -2.229956 | 261.3178 | -231.4547 | 0.5453 | 64.57269 | 0 | 966.5792 |
| 4/25/2012 22:00 | 3.998069 | 338.4747 | 24.21883 | -3.57825 | 261.158 | -230.8594 | 1.1406 | 63.77903 | 0 | 967.9264 |
| 4/25/2012 23:00 | 4.07399 | 334.983 | 23.68262 | -4.832141 | 260.9549 | -231.3402 | 0.6598 | 67.93655 | 0 | 969.0904 |
| 4/26/2012 0:00 | 4.135878 | 329.2078 | 22.07435 | -6.100078 | 260.8276 | -230.6458 | 1.3542 | 69.41091 | 0 | 970.0865 |
| 4/26/2012 1:00 | 3.818684 | 331.1761 | 21.78125 | -6.937367 | 260.7608 | -230.8289 | 1.1711 | 71.01958 | 0 | 970.8369 |
| 4/26/2012 2:00 | 3.447425 | 327.5244 | 21.41103 | -7.173175 | 260.5871 | -230.8671 | 1.1329 | 74.67191 | 0 | 971.3546 |
| 4/26/2012 3:00 | 3.99545 | 315.7784 | 18.447 | -7.195549 | 260.6042 | -230.5237 | 1.4763 | 76.69724 | 0 | 971.6506 |
| 4/26/2012 4:00 | 4.442502 | 310.7346 | 15.30373 | -7.370708 | 260.5606 | -230.4092 | 1.5908 | 80.47014 | 0 | 972.3414 |
| 4/26/2012 5:00 | 4.430024 | 315.2298 | 16.02733 | -7.066381 | 260.6472 | -231.0121 | 0.9879 | 81.7766 | 0 | 972.931 |
| 4/26/2012 6:00 | 3.990809 | 316.1202 | 15.5138 | -6.429915 | 260.7965 | -231.2868 | 0.7132 | 79.65206 | 0 | 973.5815 |
| 4/26/2012 7:00 | 3.937958 | 314.9553 | 17.22042 | -5.451424 | 260.9787 | -230.8289 | 1.1711 | 73.54247 | 0.254 | 974.0426 |
| 4/26/2012 8:00 | 3.760173 | 310.4679 | 15.74991 | -3.907414 | 261.1992 | -230.9739 | 1.0261 | 63.24485 | 0 | 974.4232 |
| 4/26/2012 9:00 | 3.358657 | 315.0627 | 20.42878 | -1.759588 | 261.7856 | -228.3335 | 3.6665 | 50.03514 | 0 | 974.5982 |
| 4/26/2012 10:00 | 3.606035 | 313.912 | 18.28627 | 0.1029135 | 261.3807 | -226.0441 | 5.9559 | 37.88464 | 0 | 974.7256 |
| 4/26/2012 11:00 | 3.386836 | 327.5225 | 25.47773 | 2.350493 | 262.1627 | -238.8494 | 0.00001 | 29.7955 | 0 | 974.924 |
| 4/26/2012 12:00 | 4.045535 | 318.5251 | 21.46341 | 3.664518 | 261.8845 | -230.0658 | 1.9342 | 25.72957 | 0 | 975.0242 |
| 4/26/2012 13:00 | 4.866014 | 312.0128 | 17.49415 | 4.431049 | 262.624 | -229.8903 | 2.1097 | 23.07236 | 0 | 975.0507 |
| 4/26/2012 14:00 | 4.172464 | 328.7658 | 23.5972 | 5.825202 | 262.9211 | -233.8509 | 0.00001 | 22.58243 | 0 | 974.9003 |
| 4/26/2012 15:00 | 4.610842 | 318.6086 | 18.66739 | 6.138896 | 262.5343 | -237.6513 | 0.00001 | 22.83274 | 0 | 974.6084 |
| 4/26/2012 16:00 | 4.108958 | 326.0611 | 23.0846 | 6.573056 | 262.0122 | -228.2801 | 3.7199 | 21.16302 | 0 | 974.4714 |
| 4/26/2012 17:00 | 3.448707 | 333.4216 | 23.44173 | 6.722106 | 262.4723 | -233.1717 | 0.00001 | 19.72834 | 0 | 974.3455 |
| 4/26/2012 18:00 | 3.428274 | 328.7243 | 21.87346 | 5.849744 | 262.4904 | -232.111 | 0.00001 | 23.94538 | 0 | 974.1177 |
| 4/26/2012 19:00 | 2.464571 | 335.2984 | 25.03024 | 4.800864 | 262.3193 | -232.1033 | 0.00001 | 27.11388 | 0 | 974.0193 |

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|-----------------|-----------|----------|----------|-------------|----------|-----------|---------|----------|---|----------|
| 4/26/2012 20:00 | 1.907295 | 339.0265 | 20.95219 | 2.752044 | 261.8898 | -231.8744 | 0.1256 | 36.11724 | 0 | 974.1688 |
| 4/26/2012 21:00 | 1.802504 | 324.034 | 16.86504 | 1.303052 | 261.5994 | -231.4089 | 0.5911 | 39.89624 | 0 | 974.5494 |
| 4/26/2012 22:00 | 1.654843 | 336.0933 | 19.29977 | 0.4559834 | 261.2863 | -231.5005 | 0.4995 | 39.61847 | 0 | 974.9623 |
| 4/26/2012 23:00 | 1.662009 | 339.2761 | 21.2317 | -0.2659052 | 261.2579 | -231.2639 | 0.7361 | 38.71034 | 0 | 975.556 |
| 4/27/2012 0:00 | 1.517468 | 346.5247 | 21.56523 | -1.076287 | 261.1834 | -230.806 | 1.194 | 43.08916 | 0 | 976.0965 |
| 4/27/2012 1:00 | 1.257046 | 359.0475 | 23.65525 | -1.809442 | 260.983 | -230.8824 | 1.1176 | 46.46218 | 0 | 976.5982 |
| 4/27/2012 2:00 | 1.03183 | 8.365429 | 21.18504 | -2.686283 | 260.7312 | -230.8824 | 1.1176 | 48.49973 | 0 | 976.9931 |
| 4/27/2012 3:00 | 1.195815 | 5.477445 | 17.18963 | -3.522119 | 260.6468 | -230.6458 | 1.3542 | 53.26774 | 0 | 977.1183 |
| 4/27/2012 4:00 | 1.193936 | 15.20695 | 23.74439 | -4.272843 | 260.4839 | -230.3405 | 1.6595 | 58.68441 | 0 | 977.1317 |
| 4/27/2012 5:00 | 0.7389987 | 45.01456 | 28.66422 | -4.986302 | 260.3383 | -230.3405 | 1.6595 | 63.98508 | 0 | 976.8533 |
| 4/27/2012 6:00 | 1.536226 | 77.08397 | 22.30581 | -4.783818 | 260.5475 | -231.8902 | 1.0108 | 55.15571 | 0 | 977.3315 |
| 4/27/2012 7:00 | 1.324501 | 85.88278 | 30.26818 | -2.938237 | 261.4941 | -231.8591 | 0.1409 | 46.23477 | 0 | 978.1381 |
| 4/27/2012 8:00 | 1.273521 | 98.68721 | 39.33821 | -1.290723 | 262.244 | -232.9886 | 0.00001 | 38.90876 | 0 | 978.5711 |
| 4/27/2012 9:00 | 0.8686664 | 68.29843 | 76.27839 | -0.04991296 | 262.9971 | -235.8655 | 0.00001 | 34.10411 | 0 | 978.4532 |
| 4/27/2012 10:00 | 1.354586 | 33.21764 | 63.47565 | 1.142938 | 263.1723 | -224.8307 | 7.1693 | 28.79733 | 0 | 978.142 |
| 4/27/2012 11:00 | 1.145519 | 5.587961 | 57.89413 | 2.691116 | 261.7808 | -227.6619 | 4.3381 | 26.08213 | 0 | 977.8582 |
| 4/27/2012 12:00 | 1.507115 | 343.4275 | 59.15476 | 4.519612 | 263.1802 | -232.1949 | 0.00001 | 21.6331 | 0 | 977.7789 |
| 4/27/2012 13:00 | 1.834945 | 51.20424 | 48.07134 | 5.488192 | 263.4262 | -229.7987 | 2.2013 | 21.35075 | 0 | 977.1434 |
| 4/27/2012 14:00 | 1.718848 | 44.32141 | 45.53677 | 6.743059 | 264.2861 | -229.2035 | 2.7965 | 20.25642 | 0 | 976.8831 |
| 4/27/2012 15:00 | 1.960626 | 34.76841 | 46.28329 | 7.539464 | 262.498 | -231.1418 | 0.8582 | 16.84372 | 0 | 976.4184 |
| 4/27/2012 16:00 | 1.629364 | 71.82673 | 51.68492 | 8.266543 | 263.3941 | -226.0975 | 5.9025 | 16.86662 | 0 | 976.1011 |
| 4/27/2012 17:00 | 1.360385 | 108.0362 | 51.80136 | 8.945721 | 263.0622 | -233.2709 | 0.00001 | 17.1215 | 0 | 975.8892 |
| 4/27/2012 18:00 | 1.652369 | 94.13335 | 30.07836 | 8.234451 | 263.2337 | -233.4083 | 0.00001 | 16.50642 | 0 | 975.6295 |
| 4/27/2012 19:00 | 1.313566 | 79.44994 | 25.47946 | 7.159001 | 262.797 | -232.5994 | 0.00001 | 21.9643 | 0 | 975.5751 |
| 4/27/2012 20:00 | 1.081125 | 78.90601 | 15.15058 | 4.416864 | 261.9254 | -231.5997 | 0.4003 | 26.67584 | 0 | 975.6681 |
| 4/27/2012 21:00 | 1.11025 | 59.96738 | 16.25488 | 2.746017 | 261.1921 | -231.3097 | 0.6903 | 34.83976 | 0 | 976.2537 |
| 4/27/2012 22:00 | 1.259883 | 82.11121 | 19.55038 | 1.332301 | 261.5792 | -231.9431 | 0.0569 | 39.65662 | 0 | 976.8524 |
| 4/27/2012 23:00 | 1.087662 | 108.0433 | 25.63268 | 0.04340811 | 261.4812 | -231.7523 | 0.2477 | 49.1316 | 0 | 977.0248 |
| 4/28/2012 0:00 | 0.7708744 | 107.4155 | 16.8383 | -1.246668 | 261.2745 | -231.5615 | 0.4385 | 49.63373 | 0 | 976.899 |
| 4/28/2012 1:00 | 0.5809972 | 105.8484 | 23.49163 | -1.430985 | 261.062 | -231.6226 | 0.3774 | 53.57605 | 0 | 976.5463 |
| 4/28/2012 2:00 | 0.278428 | 85.77991 | 26.43136 | -1.64817 | 260.9052 | -230.6992 | 1.3008 | 53.72867 | 0 | 976.1902 |
| 4/28/2012 3:00 | 0.4603384 | 128.3742 | 48.24917 | -1.974076 | 260.9565 | -231.4394 | 0.5606 | 57.60993 | 0 | 976.2369 |
| 4/28/2012 4:00 | 1.325395 | 123.7783 | 19.11961 | -2.276376 | 261.2396 | -230.745 | 1.255 | 58.9164 | 0 | 976.6202 |
| 4/28/2012 5:00 | 1.027632 | 118.7454 | 16.16541 | -2.889447 | 260.9898 | -231.0884 | 0.9116 | 65.85017 | 0 | 976.7238 |
| 4/28/2012 6:00 | 0.975773 | 122.3319 | 14.03792 | -2.286813 | 261.0984 | -231.2257 | 0.7743 | 59.35901 | 0 | 976.8028 |
| 4/28/2012 7:00 | 0.9394746 | 118.9597 | 20.22083 | 1.293832 | 261.8011 | -232.2788 | 0.00001 | 44.2888 | 0 | 977.1339 |
| 4/28/2012 8:00 | 1.196605 | 128.5604 | 26.15317 | 4.352195 | 262.5561 | -232.3933 | 0.00001 | 34.21095 | 0 | 977.2999 |
| 4/28/2012 9:00 | 1.79354 | 132.1267 | 26.3968 | 6.927989 | 262.8933 | -227.3185 | 4.6815 | 26.33854 | 0 | 977.1321 |
| 4/28/2012 10:00 | 1.907787 | 129.3919 | 29.92149 | 8.661701 | 263.0429 | -229.6308 | 2.3692 | 21.94293 | 0 | 976.7227 |
| 4/28/2012 11:00 | 2.158307 | 129.3401 | 27.3047 | 9.920368 | 262.2639 | -230.5466 | 1.4534 | 19.74666 | 0 | 976.4651 |
| 4/28/2012 12:00 | 2.003799 | 129.9376 | 30.38905 | 11.16317 | 262.5402 | -227.9214 | 4.0786 | 17.0925 | 0 | 976.3502 |
| 4/28/2012 13:00 | 1.963341 | 125.6088 | 25.65692 | 12.04789 | 262.1805 | -234.5682 | 0.00001 | 16.67278 | 0 | 976.0037 |
| 4/28/2012 14:00 | 1.957142 | 129.1876 | 27.37051 | 13.36224 | 263.0515 | -226.5325 | 5.4675 | 15.85776 | 0 | 975.633 |
| 4/28/2012 15:00 | 1.581992 | 126.164 | 29.57243 | 14.09881 | 264.2875 | -228.4861 | 3.5139 | 15.38463 | 0 | 975.1173 |
| 4/28/2012 16:00 | 1.088127 | 106.2881 | 53.61943 | 14.66036 | 263.9548 | -233.332 | 0.00001 | 14.36204 | 0 | 974.7975 |
| 4/28/2012 17:00 | 1.375049 | 133.5013 | 31.49624 | 15.33751 | 263.7364 | -233.8814 | 0.00001 | 14.69018 | 0 | 974.4351 |
| 4/28/2012 18:00 | 1.065989 | 146.292 | 28.52155 | 15.33967 | 263.9878 | -233.7746 | 0.00001 | 14.04152 | 0 | 974.2532 |
| 4/28/2012 19:00 | 0.8435553 | 113.9546 | 18.28268 | 14.11562 | 263.8418 | -233.5762 | 0.00001 | 19.05679 | 0 | 974.129 |
| 4/28/2012 20:00 | 1.01837 | 103.7785 | 24.77525 | 9.714214 | 262.9378 | -232.7215 | 0.00001 | 32.44202 | 0 | 974.1369 |
| 4/28/2012 21:00 | 1.031115 | 119.4165 | 17.37031 | 6.251119 | 262.5219 | -232.2712 | 0.00001 | 36.32786 | 0 | 974.3266 |
| 4/28/2012 22:00 | 1.025096 | 151.3156 | 11.06302 | 5.039176 | 262.2148 | -231.9583 | 0.0417 | 47.71676 | 0 | 974.4433 |
| 4/28/2012 23:00 | 1.179803 | 139.8066 | 8.371114 | 3.768463 | 261.957 | -232.0423 | 0.00001 | 49.48111 | 0 | 974.2231 |
| 4/29/2012 0:00 | 1.077661 | 138.6874 | 8.960204 | 2.996638 | 261.8646 | -231.6455 | 0.3545 | 56.30193 | 0 | 974.316 |
| 4/29/2012 1:00 | 1.311614 | 143.4047 | 12.56915 | 1.170946 | 261.6589 | -231.2639 | 0.7361 | 76.50799 | 0 | 974.2964 |
| 4/29/2012 2:00 | 0.6966615 | 165.4449 | 6.412373 | 0.1789148 | 261.3976 | -231.0807 | 0.9193 | 82.05743 | 0 | 974.3638 |
| 4/29/2012 3:00 | 0.9081853 | 144.9393 | 10.76452 | -0.8853041 | 261.1593 | -230.9739 | 1.0261 | 87.66031 | 0 | 974.3164 |
| 4/29/2012 4:00 | 0.4745727 | 131.9231 | 19.72215 | -1.105819 | 260.978 | -230.6992 | 1.3008 | 85.84102 | 0 | 974.3517 |
| 4/29/2012 5:00 | 0.9041031 | 141.4085 | 11.63059 | -1.625582 | 261.0596 | -230.89 | 1.11 | 94.32698 | 0 | 974.3516 |
| 4/29/2012 6:00 | 0.947711 | 133.3407 | 11.33595 | -1.059261 | 261.0909 | -231.1036 | 0.8964 | 80.37246 | 0 | 974.3116 |
| 4/29/2012 7:00 | 0.9663122 | 142.5627 | 17.76719 | 2.657692 | 261.7236 | -232.0576 | 0.00001 | 45.81352 | 0 | 974.5452 |
| 4/29/2012 8:00 | 1.20003 | 128.591 | 26.52056 | 7.97818 | 262.8628 | -233.4693 | 0.00001 | 41.19508 | 0 | 974.2893 |
| 4/29/2012 9:00 | 1.338572 | 135.6149 | 29.55853 | 11.15624 | 263.3842 | -239.1317 | 0.00001 | 23.45392 | 0 | 974.0874 |
| 4/29/2012 10:00 | 1.857006 | 141.0049 | 27.39829 | 14.02969 | 263.5886 | -230.4855 | 1.5145 | 18.42339 | 0 | 973.5084 |
| 4/29/2012 11:00 | 2.14969 | 136.3057 | 27.59042 | 15.06113 | 262.6043 | -232.8283 | 0.00001 | 14.10563 | 0 | 972.8096 |
| 4/29/2012 12:00 | 2.106437 | 148.1754 | 30.42613 | 16.30513 | 264.3368 | -231.5844 | 0.4156 | 22.82358 | 0 | 972.1809 |
| 4/29/2012 13:00 | 2.002388 | 156.9951 | 31.11199 | 17.52176 | 263.95 | -230.2566 | 1.7434 | 25.50673 | 0 | 971.1749 |
| 4/29/2012 14:00 | 2.53709 | 159.6657 | 28.47498 | 17.69418 | 263.1505 | -234.6522 | 0.00001 | 32.8419 | 0 | 970.5114 |
| 4/29/2012 15:00 | 2.451839 | 156.8822 | 26.33068 | 17.47418 | 264.3127 | -232.0576 | 0.00001 | 33.93928 | 0 | 969.9321 |
| 4/29/2012 16:00 | 2.270926 | 161.1557 | 28.36937 | 17.73382 | 263.8681 | -233.8051 | 0.00001 | 35.84557 | 0 | 969.2493 |
| 4/29/2012 17:00 | 1.72616 | 167.9295 | 28.88198 | 15.97436 | 263.5478 | -233.1794 | 0.00001 | 36.859 | 0 | 968.6491 |
| 4/29/2012 18:00 | 2.142124 | 158.459 | 21.15436 | 16.01343 | 263.4729 | -233.2022 | 0.00001 | 37.13678 | 0 | 968.0134 |
| 4/29/2012 19:00 | 1.530423 | 156.6267 | 20.38282 | 14.52714 | 263.2641 | -233.5227 | 0.00001 | 43.02811 | 0 | 967.1051 |
| 4/29/2012 20:00 | 1.160403 | 154.1154 | 13.71198 | 11.84856 | 263.0217 | -232.6375 | 0.00001 | 53.27384 | 0 | 966.4881 |
| 4/29/2012 21:00 | 1.087432 | 147.7702 | 10.29845 | 9.820801 | 262.5975 | -232.958 | 0.00001 | 55.1374 | 0 | 966.1424 |

| | | | | | | | | | | |
|-----------------|-----------|-----------|----------|------------|----------|-----------|---------|----------|-------|----------|
| 4/29/2012 22:00 | 1.469822 | 153.6609 | 10.29651 | 8.777884 | 262.5956 | -233.0267 | 0.00001 | 59.83368 | 0 | 965.3901 |
| 4/29/2012 23:00 | 1.607398 | 155.9116 | 12.63352 | 9.372709 | 262.5363 | -232.607 | 0.00001 | 56.34924 | 0 | 964.3956 |
| 4/30/2012 0:00 | 1.576616 | 153.9469 | 14.75222 | 9.664714 | 262.5306 | -232.3628 | 0.00001 | 59.10566 | 0 | 963.618 |
| 4/30/2012 1:00 | 1.492565 | 165.5535 | 22.396 | 10.53987 | 262.4357 | -232.8588 | 0.00001 | 62.16884 | 0 | 962.9022 |
| 4/30/2012 2:00 | 1.922122 | 169.0083 | 24.62173 | 10.73927 | 262.453 | -232.0423 | 0.00001 | 63.69357 | 0 | 962.3015 |
| 4/30/2012 3:00 | 1.659619 | 197.667 | 36.24027 | 10.30786 | 262.4232 | -232.6833 | 0.00001 | 71.45609 | 0 | 961.9898 |
| 4/30/2012 4:00 | 1.000805 | 186.7375 | 42.51125 | 9.323529 | 262.4251 | -232.3933 | 0.00001 | 81.26684 | 0 | 961.5723 |
| 4/30/2012 5:00 | 1.59081 | 157.7579 | 18.53759 | 8.226417 | 262.3761 | -232.3705 | 0.00001 | 94.25219 | 0 | 960.8944 |
| 4/30/2012 6:00 | 1.352752 | 158.9461 | 17.17624 | 7.625486 | 262.2559 | -232.2178 | 0.00001 | 95.8334 | 0 | 960.4169 |
| 4/30/2012 7:00 | 1.384923 | 165.6076 | 21.92303 | 8.084771 | 262.2055 | -232.6909 | 0.00001 | 89.37277 | 0 | 960.1395 |
| 4/30/2012 8:00 | 1.572681 | 175.5062 | 27.70885 | 8.76574 | 262.3382 | -232.2407 | 0.00001 | 84.42466 | 0 | 959.9163 |
| 4/30/2012 9:00 | 1.449886 | 177.5623 | 29.20825 | 8.931434 | 262.3926 | -232.1797 | 0.00001 | 81.84071 | 0 | 959.4507 |
| 4/30/2012 10:00 | 1.822773 | 172.2144 | 28.70514 | 9.924908 | 262.5879 | -232.7291 | 0.00001 | 80.98602 | 0 | 958.6528 |
| 4/30/2012 11:00 | 1.93609 | 177.4288 | 35.11703 | 11.17033 | 262.3749 | -232.9809 | 0.00001 | 72.73357 | 0 | 958.0874 |
| 4/30/2012 12:00 | 2.371811 | 170.9597 | 30.24187 | 12.49498 | 262.8879 | -233.7517 | 0.00001 | 61.11878 | 0 | 957.5576 |
| 4/30/2012 13:00 | 2.227123 | 178.5118 | 32.19678 | 12.44699 | 263.6089 | -232.958 | 0.00001 | 69.02782 | 0 | 957.0876 |
| 4/30/2012 14:00 | 1.450333 | 209.6754 | 45.81533 | 9.73593 | 262.724 | -237.6971 | 0.00001 | 86.75982 | 0 | 957.0651 |
| 4/30/2012 15:00 | 1.576295 | 228.3319 | 40.95636 | 11.70723 | 262.3148 | -230.8747 | 1.1253 | 63.84467 | 0 | 956.8613 |
| 4/30/2012 16:00 | 1.90883 | 213.5464 | 38.86573 | 13.11065 | 263.3527 | -239.6201 | 0.00001 | 58.72562 | 0 | 956.4821 |
| 4/30/2012 17:00 | 1.51717 | 208.0343 | 36.7148 | 12.42059 | 263.3924 | -232.7367 | 0.00001 | 64.32544 | 0 | 956.3689 |
| 4/30/2012 18:00 | 1.551572 | 218.414 | 42.64902 | 12.08262 | 263.0193 | -232.6604 | 0.00001 | 70.24425 | 0 | 956.4005 |
| 4/30/2012 19:00 | 1.211434 | 198.3755 | 29.44166 | 11.02413 | 262.641 | -232.9504 | 0.00001 | 72.41 | 0 | 956.3893 |
| 4/30/2012 20:00 | 0.7245502 | 186.0659 | 22.09898 | 9.94344 | 262.5855 | -232.607 | 0.00001 | 77.62063 | 0 | 956.5726 |
| 4/30/2012 21:00 | 0.5312732 | 186.8522 | 14.66168 | 8.74991 | 262.408 | -232.2407 | 0.00001 | 85.73724 | 0 | 956.9167 |
| 4/30/2012 22:00 | 0.6934279 | 181.5343 | 13.97091 | 7.54185 | 262.1835 | -231.8134 | 0.1866 | 89.02937 | 0 | 957.0496 |
| 4/30/2012 23:00 | 0.8099824 | 180.0232 | 11.52106 | 6.87424 | 262.1013 | -232.0194 | 0.00001 | 90.26868 | 0 | 957.1936 |
| 5/1/2012 0:00 | 0.9505897 | 190.4281 | 14.07472 | 6.531339 | 262.1673 | -232.2254 | 0.00001 | 88.16092 | 0 | 957.1278 |
| 5/1/2012 1:00 | 0.8584515 | 243.6008 | 60.647 | 5.993201 | 262.0156 | -232.0194 | 0.00001 | 95.34805 | 0 | 957.1643 |
| 5/1/2012 2:00 | 0.1478075 | 285.7492 | 45.11701 | 4.300378 | 261.8502 | -231.5844 | 0.4156 | 100 | 0 | 957.2074 |
| 5/1/2012 3:00 | 0.5194191 | 73.43119 | 69.11681 | 3.368855 | 261.8652 | -231.4242 | 0.5758 | 100 | 0 | 957.2787 |
| 5/1/2012 4:00 | 0.4516343 | 168.7573 | 56.00883 | 2.86826 | 261.8391 | -231.9202 | 0.0798 | 100 | 0 | 957.6537 |
| 5/1/2012 5:00 | 0.3162102 | 87.87713 | 59.60738 | 3.136281 | 261.7081 | -231.4547 | 0.5453 | 100 | 0 | 958.0344 |
| 5/1/2012 6:00 | 0.2810655 | 124.6829 | 8.389741 | 3.831294 | 261.7492 | -231.7675 | 0.2325 | 99.21099 | 0 | 958.0199 |
| 5/1/2012 7:00 | 0.4060546 | 326.0815 | 14.70457 | 5.494725 | 261.9276 | -231.9583 | 0.0417 | 94.77112 | 0 | 958.1423 |
| 5/1/2012 8:00 | 0.4066626 | 130.0043 | 64.40677 | 7.309552 | 262.1428 | -231.9583 | 0.0417 | 87.74273 | 0 | 958.384 |
| 5/1/2012 9:00 | 0.6348782 | 118.1128 | 31.60419 | 8.117249 | 262.2405 | -232.2941 | 0.00001 | 86.38742 | 0 | 958.4129 |
| 5/1/2012 10:00 | 1.049966 | 118.6406 | 29.1193 | 9.839802 | 262.5408 | -232.111 | 0.00001 | 83.13955 | 0 | 958.5925 |
| 5/1/2012 11:00 | 0.8021324 | 105.183 | 29.24494 | 9.72284 | 262.5553 | -232.5459 | 0.00001 | 91.54157 | 0 | 958.5781 |
| 5/1/2012 12:00 | 1.745385 | 69.56745 | 29.72052 | 9.802884 | 262.7527 | -232.5765 | 0.00001 | 85.67924 | 0 | 957.8972 |
| 5/1/2012 13:00 | 1.712925 | 61.77256 | 37.81528 | 11.79108 | 262.7362 | -233.4617 | 0.00001 | 72.99455 | 0 | 957.5101 |
| 5/1/2012 14:00 | 1.712926 | 59.62634 | 34.19912 | 12.8391 | 263.312 | -234.6522 | 0.00001 | 68.20517 | 0 | 957.3176 |
| 5/1/2012 15:00 | 2.25831 | 52.1404 | 33.20767 | 14.0931 | 263.6626 | -231.0731 | 0.9269 | 64.32391 | 0 | 956.5235 |
| 5/1/2012 16:00 | 2.091734 | 39.67888 | 33.76089 | 13.84372 | 263.4608 | -233.0496 | 0.00001 | 71.05315 | 0 | 956.0921 |
| 5/1/2012 17:00 | 2.49941 | 52.94848 | 30.96159 | 13.28793 | 263.2223 | -233.3396 | 0.00001 | 68.78057 | 0 | 955.5782 |
| 5/1/2012 18:00 | 2.304466 | 57.36942 | 29.56952 | 13.1977 | 263.0957 | -233.2022 | 0.00001 | 71.22105 | 0 | 955.0843 |
| 5/1/2012 19:00 | 2.581316 | 58.09569 | 28.60589 | 11.77148 | 262.8798 | -232.3933 | 0.00001 | 76.10201 | 0 | 954.9613 |
| 5/1/2012 20:00 | 2.227052 | 64.56828 | 27.99067 | 10.4537 | 262.4421 | -232.317 | 0.00001 | 79.14535 | 0 | 955.0295 |
| 5/1/2012 21:00 | 1.919751 | 72.91933 | 25.68267 | 9.809464 | 262.367 | -232.7291 | 0.00001 | 78.89657 | 0 | 955.2126 |
| 5/1/2012 22:00 | 1.924995 | 81.13432 | 25.31295 | 9.435224 | 262.4225 | -232.4391 | 0.00001 | 79.5788 | 0 | 954.8382 |
| 5/1/2012 23:00 | 1.660632 | 69.53714 | 28.45987 | 8.341511 | 262.4364 | -232.4391 | 0.00001 | 95.98755 | 0 | 954.1976 |
| 5/2/2012 0:00 | 1.017031 | 42.46625 | 33.579 | 7.410214 | 262.2545 | -232.0804 | 0.00001 | 98.59591 | 2.032 | 953.502 |
| 5/2/2012 1:00 | 1.055842 | 39.11816 | 51.68593 | 7.222227 | 262.1972 | -232.3018 | 0.00001 | 99.91612 | 1.016 | 952.9711 |
| 5/2/2012 2:00 | 1.472028 | 344.6491 | 19.72897 | 7.009786 | 262.2112 | -232.1797 | 0.00001 | 100 | 1.016 | 952.4803 |
| 5/2/2012 3:00 | 1.502485 | 349.1895 | 22.50895 | 6.966599 | 262.2219 | -232.1797 | 0.00001 | 100 | 0.254 | 952.2283 |
| 5/2/2012 4:00 | 1.471242 | 348.9977 | 23.29277 | 6.815946 | 262.039 | -232.027 | 0.00001 | 100 | 0 | 952.0875 |
| 5/2/2012 5:00 | 1.386407 | 352.5152 | 22.89763 | 6.615691 | 262.1528 | -232.3094 | 0.00001 | 100 | 0 | 952.2154 |
| 5/2/2012 6:00 | 1.275707 | 0.6946378 | 28.43083 | 6.542231 | 262.1728 | -232.2254 | 0.00001 | 100 | 0 | 952.4114 |
| 5/2/2012 7:00 | 1.284427 | 357.6704 | 24.93727 | 6.680278 | 262.0875 | -231.5844 | 0.4156 | 100 | 0 | 953.0464 |
| 5/2/2012 8:00 | 1.634505 | 354.7434 | 26.45164 | 6.786095 | 262.0479 | -232.6986 | 0.00001 | 99.40788 | 0 | 953.4103 |
| 5/2/2012 9:00 | 1.803695 | 333.3669 | 24.24072 | 6.540346 | 262.1028 | -232.1186 | 0.00001 | 99.47045 | 0 | 954.0537 |
| 5/2/2012 10:00 | 1.72572 | 330.5449 | 22.73378 | 6.494058 | 262.0713 | -231.9278 | 0.0722 | 98.01899 | 0 | 954.8187 |
| 5/2/2012 11:00 | 2.190074 | 335.8918 | 33.09254 | 6.432953 | 262.1155 | -228.8448 | 3.1552 | 99.07363 | 0.508 | 955.3035 |
| 5/2/2012 12:00 | 2.222006 | 318.4386 | 20.18788 | 6.226977 | 262.1244 | -232.3323 | 0.00001 | 98.60812 | 0 | 956.116 |
| 5/2/2012 13:00 | 1.98673 | 327.9478 | 26.35268 | 5.820914 | 262.1537 | -232.5459 | 0.00001 | 94.13315 | 0 | 957.1641 |
| 5/2/2012 14:00 | 1.868379 | 333.4985 | 23.62754 | 5.739465 | 262.1102 | -232.1873 | 0.00001 | 92.23754 | 0 | 957.8854 |
| 5/2/2012 15:00 | 1.912893 | 340.0325 | 27.8877 | 6.179772 | 262.2492 | -232.3018 | 0.00001 | 94.44756 | 0 | 958.4899 |
| 5/2/2012 16:00 | 1.906897 | 331.9838 | 22.73942 | 5.36384 | 262.1214 | -231.592 | 0.408 | 94.38956 | 0 | 959.4529 |
| 5/2/2012 17:00 | 2.127966 | 338.2053 | 23.25592 | 4.702199 | 262.0811 | -231.9889 | 0.0111 | 88.64627 | 0 | 960.5881 |
| 5/2/2012 18:00 | 2.289274 | 343.4879 | 22.92284 | 3.320476 | 261.8702 | -231.8744 | 0.1256 | 92.26196 | 0 | 961.5843 |
| 5/2/2012 19:00 | 2.075236 | 350.8853 | 26.23063 | 2.236104 | 261.6967 | -231.7599 | 0.2401 | 90.2641 | 0 | 962.6097 |
| 5/2/2012 20:00 | 1.719446 | 358.7073 | 30.73276 | 1.516305 | 261.6318 | -231.5005 | 0.4995 | 92.83736 | 0 | 963.5875 |
| 5/2/2012 21:00 | 1.606917 | 8.089499 | 27.18555 | 1.002006 | 261.524 | -231.8515 | 0.1485 | 92.78852 | 0 | 964.6866 |
| 5/2/2012 22:00 | 1.90873 | 5.622095 | 28.79589 | 0.6462951 | 261.4232 | -231.6989 | 0.3011 | 91.19969 | 0 | 965.1757 |
| 5/2/2012 23:00 | 1.649714 | 20.3535 | 30.84498 | 0.03343926 | 261.3358 | -231.0884 | 0.9116 | 91.84835 | 0 | 965.5082 |

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|----------------|-----------|----------|----------|-------------|----------|-----------|---------|----------|-------|----------|
| 5/3/2012 0:00 | 1.729579 | 8.270647 | 28.10819 | -0.5054262 | 261.2281 | -231.4089 | 0.5911 | 87.00402 | 0 | 966.3391 |
| 5/3/2012 1:00 | 1.928892 | 23.30957 | 31.25623 | -1.084649 | 261.2083 | -231.1723 | 0.8277 | 89.17588 | 0 | 966.5638 |
| 5/3/2012 2:00 | 1.799688 | 62.67538 | 27.59814 | -1.211936 | 261.1072 | -231.3097 | 0.6903 | 91.47289 | 0 | 966.5913 |
| 5/3/2012 3:00 | 1.904061 | 76.06194 | 26.91051 | -1.259024 | 261.2305 | -231.4394 | 0.5606 | 90.0489 | 0 | 966.585 |
| 5/3/2012 4:00 | 1.627167 | 77.52275 | 25.37136 | -1.445755 | 261.251 | -231.9205 | 1.0795 | 90.53424 | 0 | 966.8098 |
| 5/3/2012 5:00 | 1.943862 | 71.9565 | 26.96603 | -1.610892 | 261.2169 | -231.1647 | 0.8353 | 87.99914 | 0 | 967.4565 |
| 5/3/2012 6:00 | 1.869715 | 68.79221 | 28.00737 | -1.448872 | 261.3267 | -231.8591 | 0.1409 | 85.54188 | 0 | 968.213 |
| 5/3/2012 7:00 | 1.55007 | 67.82942 | 34.49566 | -0.7488371 | 261.6061 | -231.4776 | 0.5224 | 81.19511 | 0 | 968.4806 |
| 5/3/2012 8:00 | 1.855688 | 56.6154 | 33.8672 | -0.1046037 | 261.9029 | -231.9583 | 0.0417 | 75.3984 | 0 | 968.8596 |
| 5/3/2012 9:00 | 1.881206 | 64.35751 | 36.35644 | 0.2194735 | 262.1895 | -232.5154 | 0.00001 | 79.69328 | 0 | 968.9858 |
| 5/3/2012 10:00 | 2.081725 | 47.92218 | 32.73844 | 0.9033186 | 262.3569 | -225.8533 | 6.1467 | 76.07758 | 0 | 969.1517 |
| 5/3/2012 11:00 | 2.455575 | 37.99451 | 36.5133 | 2.585283 | 262.8033 | -229.005 | 2.995 | 70.73418 | 0 | 968.8295 |
| 5/3/2012 12:00 | 2.297678 | 41.9107 | 43.33117 | 4.719594 | 261.5628 | -238.8494 | 0.00001 | 63.77903 | 0 | 968.6807 |
| 5/3/2012 13:00 | 1.992546 | 59.62176 | 39.36317 | 5.276368 | 262.779 | -231.7065 | 0.2935 | 65.56934 | 0 | 968.5742 |
| 5/3/2012 14:00 | 1.264048 | 61.8672 | 34.75172 | 4.001588 | 262.1759 | -231.6683 | 0.3317 | 88.88741 | 0.762 | 968.7611 |
| 5/3/2012 15:00 | 1.026079 | 30.81797 | 35.73319 | 2.401428 | 261.7932 | -231.4699 | 0.5301 | 96.46374 | 1.27 | 969.3518 |
| 5/3/2012 16:00 | 0.7677966 | 33.18665 | 35.72697 | 1.974584 | 261.7954 | -231.7294 | 0.2706 | 96.52478 | 1.27 | 969.7259 |
| 5/3/2012 17:00 | 1.422905 | 83.34101 | 23.69987 | 3.206013 | 261.9861 | -232.4925 | 0.00001 | 92.3337 | 0 | 969.8194 |
| 5/3/2012 18:00 | 1.710079 | 84.90633 | 23.36306 | 3.777471 | 261.937 | -231.4165 | 0.5835 | 91.96893 | 0 | 970.119 |
| 5/3/2012 19:00 | 1.369276 | 58.61444 | 27.69904 | 3.550244 | 261.8249 | -231.1418 | 0.8582 | 93.07545 | 0 | 970.5931 |
| 5/3/2012 20:00 | 1.216646 | 58.70341 | 29.80161 | 2.729386 | 261.6098 | -231.6073 | 0.3927 | 92.48785 | 0 | 971.2548 |
| 5/3/2012 21:00 | 1.196098 | 34.28949 | 29.91666 | 2.488533 | 261.6213 | -231.1723 | 0.8277 | 96.65299 | 0 | 971.9364 |
| 5/3/2012 22:00 | 1.101418 | 43.32428 | 27.58489 | 1.456394 | 261.4324 | -231.3326 | 0.6674 | 95.44421 | 0.254 | 972.4981 |
| 5/3/2012 23:00 | 0.9960959 | 29.93621 | 31.69043 | 1.25814 | 261.2881 | -231.5386 | 0.4614 | 94.7055 | 0 | 972.8444 |
| 5/4/2012 0:00 | 1.261575 | 29.6187 | 26.8516 | 0.904382 | 261.3139 | -231.4012 | 0.5988 | 93.74242 | 0 | 973.1872 |
| 5/4/2012 1:00 | 0.9169633 | 50.6665 | 25.88194 | 0.8040172 | 261.2922 | -231.3021 | 0.6979 | 95.18321 | 0 | 973.6062 |
| 5/4/2012 2:00 | 0.8607914 | 47.66251 | 29.63796 | 0.4843923 | 261.1835 | -230.4855 | 1.5145 | 97.65116 | 0 | 973.7791 |
| 5/4/2012 3:00 | 1.032313 | 33.05592 | 29.27567 | 0.2183458 | 261.1879 | -230.9586 | 1.0414 | 96.36452 | 0 | 974.0431 |
| 5/4/2012 4:00 | 1.225993 | 52.33708 | 28.8904 | 0.003789766 | 261.2054 | -231.1876 | 0.8124 | 94.59103 | 0 | 974.4274 |
| 5/4/2012 5:00 | 1.567371 | 72.86878 | 25.02243 | -0.4000093 | 261.2029 | -231.0807 | 0.9193 | 90.81966 | 0 | 974.7067 |
| 5/4/2012 6:00 | 1.751142 | 64.21936 | 29.15016 | -0.7143326 | 261.2165 | -231.0044 | 0.9956 | 88.51501 | 0 | 974.7874 |
| 5/4/2012 7:00 | 1.684956 | 73.0092 | 28.34557 | -0.5068048 | 261.2861 | -230.9815 | 1.0185 | 88.61269 | 0 | 975.533 |
| 5/4/2012 8:00 | 1.781861 | 74.31725 | 26.75808 | 0.05040087 | 261.4915 | -231.7599 | 0.2401 | 88.19144 | 0 | 975.8171 |
| 5/4/2012 9:00 | 1.958261 | 103.1161 | 28.81292 | 1.112427 | 261.7877 | -232.4315 | 0.00001 | 79.75127 | 0 | 975.9185 |
| 5/4/2012 10:00 | 1.737735 | 117.2781 | 28.73475 | 2.784132 | 262.2822 | -232.8817 | 0.00001 | 81.43015 | 0 | 976.3217 |
| 5/4/2012 11:00 | 1.729568 | 112.6613 | 33.06564 | 3.96437 | 262.5882 | -229.6385 | 2.3615 | 73.78515 | 0 | 976.6534 |
| 5/4/2012 12:00 | 1.75983 | 115.1755 | 32.63867 | 5.532473 | 262.9122 | -225.6626 | 6.3374 | 60.18472 | 0 | 976.3588 |
| 5/4/2012 13:00 | 2.251347 | 125.0887 | 30.53266 | 8.273471 | 264.2901 | -231.3173 | 0.6827 | 51.58734 | 0 | 975.6837 |
| 5/4/2012 14:00 | 2.38214 | 118.1598 | 29.82661 | 9.882446 | 262.4383 | -235.835 | 0.00001 | 47.8877 | 0.508 | 975.0367 |
| 5/4/2012 15:00 | 1.963125 | 133.321 | 30.47746 | 11.25467 | 263.4804 | -236.4303 | 0.00001 | 44.07359 | 0 | 974.689 |
| 5/4/2012 16:00 | 2.081333 | 128.4476 | 27.36428 | 11.84539 | 263.9429 | -233.538 | 0.00001 | 41.14166 | 0 | 974.1442 |
| 5/4/2012 17:00 | 1.66643 | 132.4154 | 27.50386 | 12.48139 | 263.9005 | -233.1488 | 0.00001 | 42.14746 | 0 | 973.7077 |
| 5/4/2012 18:00 | 1.67041 | 132.8284 | 27.72659 | 11.88886 | 263.5596 | -233.0038 | 0.00001 | 45.59526 | 0 | 973.5806 |
| 5/4/2012 19:00 | 1.673217 | 123.5294 | 23.29064 | 10.5787 | 263.2391 | -232.9886 | 0.00001 | 52.53056 | 0.254 | 973.5346 |
| 5/4/2012 20:00 | 1.302179 | 125.1263 | 18.0803 | 7.756145 | 262.657 | -232.6909 | 0.00001 | 66.91702 | 0 | 973.4083 |
| 5/4/2012 21:00 | 1.218249 | 112.8279 | 19.45013 | 5.869193 | 262.1061 | -231.6913 | 0.3087 | 64.08124 | 0 | 973.4046 |
| 5/4/2012 22:00 | 1.344561 | 116.6429 | 17.2453 | 5.053598 | 262.0971 | -232.0804 | 0.00001 | 65.90359 | 0 | 973.4249 |
| 5/4/2012 23:00 | 1.059343 | 122.5023 | 22.81714 | 5.177541 | 261.8661 | -232.0042 | 0.00001 | 66.10352 | 0 | 973.5933 |
| 5/5/2012 0:00 | 1.089358 | 129.3593 | 24.67127 | 5.125765 | 261.9601 | -231.8668 | 0.1332 | 65.58307 | 0 | 973.3834 |
| 5/5/2012 1:00 | 1.225279 | 134.2364 | 22.55795 | 4.918073 | 261.9523 | -231.9355 | 0.0645 | 74.11635 | 0 | 973.3081 |
| 5/5/2012 2:00 | 1.079913 | 135.0035 | 16.24593 | 4.49914 | 261.9564 | -231.737 | 0.263 | 71.66979 | 0 | 973.0341 |
| 5/5/2012 3:00 | 1.222305 | 140.5508 | 17.18844 | 4.509913 | 262.0037 | -231.6913 | 0.3087 | 74.52233 | 0 | 972.7698 |
| 5/5/2012 4:00 | 0.704538 | 132.3786 | 17.21074 | 4.155671 | 261.9485 | -232.0423 | 0.00001 | 73.31964 | 0 | 972.9497 |
| 5/5/2012 5:00 | 0.9453425 | 126.2196 | 15.37894 | 3.890037 | 261.9322 | -231.5997 | 0.4003 | 75.69144 | 0 | 972.7983 |
| 5/5/2012 6:00 | 0.9255236 | 124.6973 | 16.77948 | 4.395601 | 261.8242 | -231.6607 | 0.3393 | 73.90878 | 0 | 973.0071 |
| 5/5/2012 7:00 | 0.9918494 | 136.3158 | 20.98576 | 5.475276 | 261.9266 | -232.3628 | 0.00001 | 64.95883 | 0 | 973.1688 |
| 5/5/2012 8:00 | 1.374797 | 138.0067 | 22.52868 | 7.588684 | 262.3727 | -232.6299 | 0.00001 | 60.01377 | 0 | 973.2715 |
| 5/5/2012 9:00 | 1.857965 | 148.8589 | 27.79064 | 9.349448 | 262.7216 | -232.9199 | 0.00001 | 51.82849 | 0 | 973.1521 |
| 5/5/2012 10:00 | 1.748435 | 143.8961 | 27.29789 | 10.77258 | 263.022 | -229.4477 | 2.5523 | 47.52903 | 0 | 973.0738 |
| 5/5/2012 11:00 | 1.71866 | 136.056 | 33.82221 | 12.83062 | 263.6792 | -229.9818 | 2.0182 | 44.41548 | 0 | 972.9709 |
| 5/5/2012 12:00 | 2.134134 | 123.8737 | 29.82998 | 13.38167 | 262.4709 | -230.951 | 1.049 | 41.93226 | 0 | 972.546 |
| 5/5/2012 13:00 | 1.418379 | 159.292 | 44.39137 | 14.66972 | 264.5218 | -230.9968 | 1.0032 | 38.77444 | 0 | 972.6737 |
| 5/5/2012 14:00 | 1.445452 | 126.9638 | 43.27486 | 15.17611 | 264.4797 | -236.6363 | 0.00001 | 43.21126 | 0 | 972.2206 |
| 5/5/2012 15:00 | 1.174862 | 130.946 | 44.61435 | 14.9522 | 264.191 | -233.6525 | 0.00001 | 43.91639 | 0 | 972.1726 |
| 5/5/2012 16:00 | 0.8144879 | 107.169 | 56.82314 | 14.65569 | 263.845 | -232.4159 | 0.00001 | 45.71584 | 0 | 972.1342 |
| 5/5/2012 17:00 | 1.468806 | 127.9411 | 24.61345 | 15.01205 | 263.591 | -233.7364 | 0.00001 | 43.16547 | 0 | 971.8256 |
| 5/5/2012 18:00 | 1.333679 | 132.3628 | 23.95684 | 15.4244 | 263.9013 | -233.7364 | 0.00001 | 48.15785 | 0 | 971.5884 |
| 5/5/2012 19:00 | 0.9473777 | 137.3438 | 24.16331 | 14.28877 | 263.5921 | -233.6296 | 0.00001 | 53.68898 | 0 | 971.9944 |
| 5/5/2012 20:00 | 0.6907531 | 132.2086 | 15.12255 | 11.24076 | 263.1154 | -232.4162 | 0.00001 | 70.83032 | 0 | 972.235 |
| 5/5/2012 21:00 | 0.9096884 | 129.2922 | 20.9255 | 8.18499 | 262.4943 | -232.7825 | 0.00001 | 75.13894 | 0 | 972.4443 |
| 5/5/2012 22:00 | 0.9524865 | 151.1974 | 11.94188 | 6.964862 | 262.3343 | -232.607 | 0.00001 | 80.51745 | 0 | 972.8087 |
| 5/5/2012 23:00 | 0.8419245 | 151.5133 | 8.795372 | 6.024381 | 262.1765 | -231.4699 | 0.5301 | 85.97686 | 0 | 973.2077 |
| 5/6/2012 0:00 | 0.3098747 | 101.2986 | 18.15483 | 5.098832 | 261.6964 | -231.3173 | 0.6827 | 92.07424 | 0 | 973.2734 |
| 5/6/2012 1:00 | 0.3164454 | 119.2827 | 20.16857 | 4.01249 | 261.6504 | -231.592 | 0.408 | 93.20977 | 0 | 973.2553 |

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|----------------|------------|----------|----------|----------|----------|-----------|---------|----------|-------|----------|
| 5/6/2012 2:00 | 0.3561428 | 78.82232 | 26.51951 | 3.231366 | 261.5847 | -231.4394 | 0.5606 | 97.46038 | 0 | 972.8829 |
| 5/6/2012 3:00 | 0.4658279 | 105.251 | 28.81027 | 3.128495 | 261.5808 | -231.2944 | 0.7056 | 96.38742 | 0 | 973.0151 |
| 5/6/2012 4:00 | 0.5365703 | 83.64661 | 24.19583 | 2.671242 | 261.6221 | -231.325 | 0.675 | 96.66063 | 0 | 973.0499 |
| 5/6/2012 5:00 | 1.049095 | 93.31487 | 27.45595 | 2.835037 | 261.5969 | -231.3631 | 0.6369 | 91.2989 | 0 | 973.0959 |
| 5/6/2012 6:00 | 1.217922 | 110.5849 | 22.48896 | 4.003661 | 261.6462 | -231.6836 | 0.3164 | 82.04828 | 0 | 972.9885 |
| 5/6/2012 7:00 | 1.538749 | 114.2191 | 22.78031 | 6.461056 | 262.0091 | -232.5307 | 0.00001 | 66.21036 | 0 | 972.7982 |
| 5/6/2012 8:00 | 1.972538 | 117.7333 | 23.13819 | 8.755074 | 262.606 | -232.897 | 0.00001 | 59.84894 | 0 | 972.8057 |
| 5/6/2012 9:00 | 2.399009 | 123.3212 | 23.32143 | 11.30625 | 263.0436 | -235.7206 | 0.00001 | 46.888 | 0 | 972.8057 |
| 5/6/2012 10:00 | 3.057501 | 115.1615 | 27.46107 | 13.60585 | 262.5749 | -239.9101 | 0.00001 | 37.7778 | 0 | 972.4798 |
| 5/6/2012 11:00 | 3.382576 | 111.8143 | 29.26913 | 14.84752 | 262.8814 | -230.0811 | 1.9189 | 33.65387 | 0 | 972.2126 |
| 5/6/2012 12:00 | 3.197204 | 118.5035 | 26.22931 | 15.93151 | 263.6049 | -229.6842 | 2.3158 | 33.4814 | 0 | 971.6428 |
| 5/6/2012 13:00 | 3.274468 | 103.609 | 29.6159 | 17.22023 | 264.5514 | -232.4162 | 0.00001 | 32.52139 | 0 | 970.7344 |
| 5/6/2012 14:00 | 2.912837 | 113.7945 | 29.98284 | 17.8579 | 264.5235 | -234.2859 | 0.00001 | 34.42157 | 0 | 970.1523 |
| 5/6/2012 15:00 | 3.496306 | 107.829 | 25.3785 | 17.77137 | 263.6169 | -234.6522 | 0.00001 | 32.38708 | 0 | 969.5644 |
| 5/6/2012 16:00 | 2.64074 | 123.5367 | 25.09411 | 16.91216 | 263.771 | -233.4922 | 0.00001 | 34.85045 | 0 | 969.2278 |
| 5/6/2012 17:00 | 2.743949 | 118.1136 | 25.66996 | 16.94134 | 263.8066 | -233.4846 | 0.00001 | 36.10045 | 0 | 968.6445 |
| 5/6/2012 18:00 | 2.312664 | 120.8855 | 24.85339 | 15.92274 | 263.3359 | -233.2862 | 0.00001 | 36.93836 | 0 | 968.0876 |
| 5/6/2012 19:00 | 2.075627 | 115.9404 | 23.72286 | 15.15567 | 263.2451 | -233.0573 | 0.00001 | 44.6612 | 0 | 967.6539 |
| 5/6/2012 20:00 | 1.479232 | 116.2061 | 21.61909 | 13.92576 | 263.1476 | -232.9046 | 0.00001 | 47.60839 | 0 | 967.3373 |
| 5/6/2012 21:00 | 1.458432 | 133.4844 | 19.97213 | 12.78551 | 263.1038 | -232.9504 | 0.00001 | 47.75491 | 0 | 967.2247 |
| 5/6/2012 22:00 | 1.821417 | 148.4198 | 23.96998 | 12.82899 | 262.9213 | -233.0954 | 0.00001 | 57.20089 | 0 | 966.9704 |
| 5/6/2012 23:00 | 1.968878 | 159.5781 | 20.17421 | 10.98318 | 262.7698 | -232.6146 | 0.00001 | 89.10262 | 0 | 967.0795 |
| 5/7/2012 0:00 | 1.08557 | 152.182 | 16.24343 | 8.69232 | 262.3008 | -232.0347 | 0.00001 | 96.28516 | 2.794 | 966.5828 |
| 5/7/2012 1:00 | 1.198206 | 158.2616 | 18.36072 | 7.657341 | 262.2606 | -232.111 | 0.00001 | 98.2174 | 0.254 | 966.102 |
| 5/7/2012 2:00 | 1.611319 | 134.828 | 20.41129 | 7.243631 | 262.1986 | -232.2788 | 0.00001 | 98.53639 | 0 | 965.308 |
| 5/7/2012 3:00 | 2.460872 | 129.9211 | 23.29267 | 6.893657 | 262.2039 | -232.2178 | 0.00001 | 95.61056 | 0 | 964.4574 |
| 5/7/2012 4:00 | 1.782845 | 145.7854 | 23.89904 | 6.156471 | 262.0865 | -232.2483 | 0.00001 | 95.66093 | 0 | 964.0843 |
| 5/7/2012 5:00 | 2.113947 | 129.1164 | 20.76345 | 5.993742 | 262.0443 | -232.2483 | 0.00001 | 97.2986 | 0 | 963.4266 |
| 5/7/2012 6:00 | 2.389038 | 124.6796 | 23.01097 | 6.222332 | 262.064 | -231.882 | 0.118 | 96.4439 | 0 | 962.6102 |
| 5/7/2012 7:00 | 2.420699 | 129.2596 | 24.53375 | 6.518034 | 262.0685 | -232.3933 | 0.00001 | 93.77906 | 0 | 962.2405 |
| 5/7/2012 8:00 | 2.556221 | 124.8057 | 25.04827 | 6.641625 | 262.077 | -232.1491 | 0.00001 | 94.62002 | 0 | 961.982 |
| 5/7/2012 9:00 | 2.086067 | 124.9793 | 25.56175 | 6.659645 | 262.1222 | -232.0728 | 0.00001 | 95.6884 | 0 | 961.9116 |
| 5/7/2012 10:00 | 2.678733 | 121.0948 | 25.20354 | 6.808376 | 262.1932 | -232.1262 | 0.00001 | 94.75586 | 0.254 | 961.3503 |
| 5/7/2012 11:00 | 2.916041 | 119.8205 | 24.2948 | 7.032759 | 262.2368 | -232.5765 | 0.00001 | 93.04341 | 0 | 961.0994 |
| 5/7/2012 12:00 | 2.787711 | 110.6454 | 24.06119 | 7.070531 | 262.3063 | -231.882 | 0.118 | 96.87735 | 0 | 961.1091 |
| 5/7/2012 13:00 | 2.49088 | 113.1529 | 22.58681 | 6.913651 | 262.1639 | -232.462 | 0.00001 | 96.54005 | 0 | 961.312 |
| 5/7/2012 14:00 | 2.949456 | 107.4741 | 23.84002 | 7.614197 | 262.3728 | -232.4315 | 0.00001 | 89.4613 | 0 | 961.0588 |
| 5/7/2012 15:00 | 3.028702 | 111.3478 | 25.25097 | 7.750349 | 262.4669 | -232.7215 | 0.00001 | 89.87337 | 0 | 961.2666 |
| 5/7/2012 16:00 | 3.104237 | 109.1389 | 26.04996 | 7.863661 | 262.475 | -232.4162 | 0.00001 | 87.56416 | 0 | 961.4667 |
| 5/7/2012 17:00 | 2.900042 | 91.52432 | 26.28811 | 7.854492 | 262.463 | -232.4391 | 0.00001 | 86.71098 | 0 | 961.5809 |
| 5/7/2012 18:00 | 3.075074 | 83.56316 | 26.07253 | 7.670475 | 262.39 | -232.3399 | 0.00001 | 89.4384 | 0 | 961.8912 |
| 5/7/2012 19:00 | 2.763301 | 78.89191 | 25.5613 | 7.340867 | 262.3329 | -232.3323 | 0.00001 | 93.16551 | 0 | 962.2619 |
| 5/7/2012 20:00 | 3.273521 | 73.59686 | 24.87145 | 6.849926 | 262.1107 | -232.2178 | 0.00001 | 94.62766 | 0 | 962.765 |
| 5/7/2012 21:00 | 3.324452 | 76.79564 | 25.4779 | 6.732424 | 262.0148 | -231.8362 | 0.1638 | 91.21191 | 0 | 963.5291 |
| 5/7/2012 22:00 | 3.146179 | 74.15919 | 25.78643 | 6.590337 | 262.1201 | -232.0652 | 0.00001 | 94.17588 | 0 | 964.0215 |
| 5/7/2012 23:00 | 3.326303 | 70.59979 | 26.04193 | 6.38219 | 262.0843 | -232.0347 | 0.00001 | 88.11971 | 0 | 964.4248 |
| 5/8/2012 0:00 | 3.314959 | 72.21613 | 27.23468 | 6.39479 | 262.0987 | -232.2712 | 0.00001 | 86.82393 | 0 | 964.8099 |
| 5/8/2012 1:00 | 2.959716 | 63.58614 | 26.562 | 6.309939 | 262.1145 | -232.1491 | 0.00001 | 84.90543 | 0 | 965.1574 |
| 5/8/2012 2:00 | 2.930099 | 72.69331 | 26.20079 | 5.893526 | 262.0911 | -231.5539 | 0.4461 | 92.11544 | 0 | 965.4507 |
| 5/8/2012 3:00 | 2.667871 | 68.22117 | 30.14331 | 5.588683 | 262.0271 | -232.1262 | 0.00001 | 86.99334 | 0 | 965.9283 |
| 5/8/2012 4:00 | 2.391789 | 54.37716 | 33.28943 | 5.590821 | 262.0113 | -232.0423 | 0.00001 | 83.5898 | 0 | 966.5203 |
| 5/8/2012 5:00 | 2.215165 | 59.99081 | 29.31091 | 5.650606 | 262.0735 | -231.8973 | 0.1027 | 79.31782 | 0 | 966.8953 |
| 5/8/2012 6:00 | 1.783606 | 36.15961 | 35.11951 | 5.521532 | 262.0173 | -231.9583 | 0.0417 | 74.50249 | 0 | 967.5491 |
| 5/8/2012 7:00 | 1.80044 | 43.20237 | 32.14185 | 6.003691 | 262.1321 | -231.8897 | 0.1103 | 69.36818 | 0 | 968.1851 |
| 5/8/2012 8:00 | 1.935491 | 34.49099 | 35.20813 | 7.693517 | 262.7235 | -233.4922 | 0.00001 | 56.41334 | 0 | 968.7206 |
| 5/8/2012 9:00 | 2.045963 | 54.34073 | 35.50209 | 9.848565 | 263.3197 | -224.3652 | 7.6348 | 47.75644 | 0 | 968.8002 |
| 5/8/2012 10:00 | 2.659169 | 43.42959 | 35.55892 | 11.30117 | 264.0762 | -239.8872 | 0.00001 | 33.64318 | 0 | 968.8264 |
| 5/8/2012 11:00 | 2.452443 | 37.68419 | 39.59547 | 12.60922 | 265.4055 | -230.5618 | 1.4382 | 34.91608 | 0.508 | 968.9911 |
| 5/8/2012 12:00 | 2.460061 | 51.15854 | 36.4523 | 13.49376 | 265.1016 | -229.7605 | 2.2395 | 27.92584 | 0 | 968.812 |
| 5/8/2012 13:00 | 2.419856 | 57.34939 | 35.37551 | 14.02087 | 264.396 | -238.567 | 0.00001 | 30.81351 | 0 | 968.5831 |
| 5/8/2012 14:00 | 2.150111 | 351.039 | 42.27369 | 15.05745 | 263.6203 | -234.8964 | 0.00001 | 28.16546 | 0.254 | 968.0924 |
| 5/8/2012 15:00 | 2.199526 | 356.8156 | 39.30267 | 15.48416 | 263.2931 | -237.491 | 0.00001 | 27.55801 | 0 | 967.7277 |
| 5/8/2012 16:00 | 2.670846 | 341.6636 | 32.96148 | 15.44456 | 263.5479 | -235.7206 | 0.00001 | 21.70636 | 0.254 | 967.6963 |
| 5/8/2012 17:00 | 1.799658 | 355.743 | 37.77678 | 15.61845 | 264.0311 | -233.6143 | 0.00001 | 26.46827 | 0 | 967.6925 |
| 5/8/2012 18:00 | 1.775872 | 353.6323 | 28.39337 | 14.77647 | 263.603 | -233.3396 | 0.00001 | 28.78512 | 0 | 967.5466 |
| 5/8/2012 19:00 | 1.073528 | 7.159314 | 35.05668 | 14.13019 | 263.4723 | -233.4541 | 0.00001 | 36.10656 | 0 | 967.5056 |
| 5/8/2012 20:00 | 0.4930183 | 340.2655 | 15.11967 | 11.47784 | 262.9393 | -232.0499 | 0.00001 | 44.74514 | 0 | 967.5211 |
| 5/8/2012 21:00 | 0.7625309 | 316.8138 | 8.127581 | 7.876021 | 261.989 | -232.1033 | 0.00001 | 54.90846 | 0 | 967.894 |
| 5/8/2012 22:00 | 0.1839472 | 330.1227 | 30.35876 | 6.03971 | 262.024 | -232.2025 | 0.00001 | 64.93594 | 0 | 967.9417 |
| 5/8/2012 23:00 | 0.1673978 | 128.0889 | 37.21567 | 4.753435 | 261.8414 | -231.6073 | 0.3927 | 73.88589 | 0 | 967.8403 |
| 5/9/2012 0:00 | 0.3659975 | 326.0827 | 80.62952 | 3.057164 | 261.6003 | -230.806 | 1.194 | 90.39841 | 0 | 967.7877 |
| 5/9/2012 1:00 | 0.2517029 | 312.9713 | 9.523554 | 2.524385 | 261.1188 | -231.035 | 0.965 | 93.75311 | 0 | 967.8133 |
| 5/9/2012 2:00 | 0.03201888 | 109.5422 | 14.953 | 1.886963 | 261.2596 | -231.1342 | 0.8658 | 93.35018 | 0 | 967.7276 |
| 5/9/2012 3:00 | 0.2050034 | 154.4583 | 5.479937 | 1.392763 | 261.5073 | -231.9507 | 0.0493 | 98.87827 | 0 | 967.6251 |

| | | | | | | | | | | |
|-----------------|-----------|----------|----------|----------|----------|-----------|---------|----------|-------|----------|
| 5/9/2012 4:00 | 0.2048807 | 168.0567 | 10.79893 | 1.179453 | 261.6134 | -231.9965 | 0.0035 | 100 | 0 | 967.4995 |
| 5/9/2012 5:00 | 0.6096295 | 172.4624 | 71.48001 | 0.886081 | 261.617 | -231.8286 | 0.1714 | 100 | 0 | 967.4103 |
| 5/9/2012 6:00 | 0.5698082 | 156.5313 | 58.88649 | 2.453902 | 261.7896 | -231.9889 | 0.0111 | 94.95274 | 0 | 967.5349 |
| 5/9/2012 7:00 | 0.4431589 | 191.5586 | 40.30512 | 7.554006 | 262.116 | -232.4315 | 0.00001 | 57.4573 | 0 | 967.5272 |
| 5/9/2012 8:00 | 0.9600888 | 245.4222 | 30.82893 | 11.57504 | 263.1085 | -233.5457 | 0.00001 | 39.66578 | 0 | 967.4492 |
| 5/9/2012 9:00 | 1.776915 | 282.3004 | 37.00916 | 13.70552 | 263.6024 | -229.9284 | 2.0716 | 38.10595 | 0 | 967.1028 |
| 5/9/2012 10:00 | 2.708697 | 309.2389 | 21.40262 | 14.98541 | 262.6825 | -230.8289 | 1.1711 | 30.75857 | 0 | 966.7979 |
| 5/9/2012 11:00 | 2.622194 | 296.1327 | 29.84948 | 15.99334 | 264.9701 | -233.8586 | 0.00001 | 27.34587 | 0 | 966.2252 |
| 5/9/2012 12:00 | 2.219109 | 289.9863 | 48.21331 | 17.01435 | 264.1299 | -227.6619 | 4.3381 | 25.28695 | 0 | 965.6383 |
| 5/9/2012 13:00 | 1.768167 | 253.2173 | 51.87276 | 17.87015 | 263.8913 | -231.6607 | 0.3393 | 26.40875 | 0 | 965.002 |
| 5/9/2012 14:00 | 2.315856 | 257.0175 | 43.30822 | 18.37316 | 264.5937 | -234.8582 | 0.00001 | 23.00521 | 0 | 964.429 |
| 5/9/2012 15:00 | 1.82034 | 240.2909 | 45.16037 | 19.21839 | 264.2001 | -239.6888 | 0.00001 | 23.03267 | 0.254 | 963.8294 |
| 5/9/2012 16:00 | 2.116657 | 238.3653 | 39.65983 | 19.27619 | 264.3036 | -235.278 | 0.00001 | 23.78206 | 0 | 963.4342 |
| 5/9/2012 17:00 | 1.67594 | 241.1758 | 38.28354 | 19.64074 | 264.4315 | -233.9959 | 0.00001 | 22.33976 | 0.254 | 962.8824 |
| 5/9/2012 18:00 | 1.435489 | 253.7739 | 38.01714 | 19.14993 | 264.2524 | -234.3011 | 0.00001 | 24.25673 | 0 | 962.4941 |
| 5/9/2012 19:00 | 1.43324 | 252.4447 | 27.8847 | 18.15993 | 264.3687 | -233.6983 | 0.00001 | 28.94233 | 0 | 962.2402 |
| 5/9/2012 20:00 | 0.8777139 | 228.4545 | 26.02125 | 15.41519 | 263.3288 | -232.6146 | 0.00001 | 33.54856 | 0 | 962.0738 |
| 5/9/2012 21:00 | 0.9158383 | 216.4859 | 14.51711 | 12.82128 | 262.4904 | -232.2407 | 0.00001 | 33.92554 | 0 | 962.2532 |
| 5/9/2012 22:00 | 1.01172 | 228.0016 | 14.57117 | 11.87084 | 262.5873 | -232.8359 | 0.00001 | 51.34161 | 0 | 962.2146 |
| 5/9/2012 23:00 | 0.7415705 | 218.7922 | 11.61851 | 7.918193 | 262.4673 | -232.3857 | 0.00001 | 63.8874 | 0 | 962.1052 |
| 5/10/2012 0:00 | 0.988621 | 206.5023 | 19.72115 | 6.436675 | 262.1425 | -231.9202 | 0.0798 | 68.95609 | 0 | 962.1044 |
| 5/10/2012 1:00 | 1.032911 | 212.256 | 14.61117 | 7.102193 | 262.2443 | -232.4239 | 0.00001 | 59.56201 | 0 | 962.0812 |
| 5/10/2012 2:00 | 0.8377576 | 224.6276 | 17.61717 | 7.010954 | 262.3063 | -232.2407 | 0.00001 | 69.98478 | 0 | 961.9171 |
| 5/10/2012 3:00 | 0.6530167 | 182.3009 | 19.72766 | 5.343103 | 262.1275 | -231.8668 | 0.1332 | 92.49396 | 0 | 961.8075 |
| 5/10/2012 4:00 | 0.717219 | 167.6461 | 12.63681 | 4.39106 | 262.0249 | -232.0194 | 0.00001 | 96.36452 | 0 | 961.7098 |
| 5/10/2012 5:00 | 0.8583452 | 166.3699 | 7.982641 | 4.055523 | 262.0421 | -231.821 | 0.179 | 98.62796 | 0 | 961.7114 |
| 5/10/2012 6:00 | 0.842872 | 163.4151 | 8.045295 | 5.588242 | 261.8846 | -231.9889 | 0.0111 | 82.29707 | 0 | 961.7667 |
| 5/10/2012 7:00 | 0.812705 | 156.3863 | 16.86436 | 9.37528 | 262.3582 | -232.0881 | 0.00001 | 57.83734 | 0 | 961.9536 |
| 5/10/2012 8:00 | 0.951565 | 173.411 | 35.64123 | 14.18435 | 263.1143 | -233.4312 | 0.00001 | 44.15754 | 0 | 961.978 |
| 5/10/2012 9:00 | 1.437452 | 193.4377 | 37.40541 | 16.88713 | 263.7886 | -228.6617 | 3.3383 | 42.73202 | 0 | 961.872 |
| 5/10/2012 10:00 | 2.011009 | 199.5879 | 45.34801 | 18.71891 | 264.0108 | -231.4929 | 0.5071 | 35.26101 | 0 | 961.4919 |
| 5/10/2012 11:00 | 2.50252 | 179.6199 | 35.86006 | 20.41579 | 264.3579 | -221.2288 | 10.7712 | 29.71308 | 0 | 960.9047 |
| 5/10/2012 12:00 | 2.620302 | 183.1377 | 37.01516 | 21.52232 | 264.7691 | -244.9086 | 0.00001 | 24.86723 | 0 | 960.1156 |
| 5/10/2012 13:00 | 2.782101 | 165.6697 | 27.32731 | 22.46274 | 265.8186 | -226.5249 | 5.4751 | 24.59403 | 0 | 959.2899 |
| 5/10/2012 14:00 | 2.812478 | 168.2952 | 29.80562 | 23.22417 | 264.3214 | -230.1268 | 1.8732 | 22.66638 | 0 | 958.8839 |
| 5/10/2012 15:00 | 2.29105 | 178.0699 | 38.4517 | 24.1119 | 264.5551 | -231.7752 | 0.2248 | 21.95209 | 0 | 958.5175 |
| 5/10/2012 16:00 | 2.109121 | 188.0351 | 38.7975 | 24.37298 | 264.9453 | -235.6595 | 0.00001 | 20.61051 | 0 | 958.1324 |
| 5/10/2012 17:00 | 2.244367 | 191.7546 | 37.61316 | 23.84675 | 265.0641 | -234.3317 | 0.00001 | 22.50612 | 0.508 | 957.9611 |
| 5/10/2012 18:00 | 2.216988 | 188.7222 | 31.10126 | 23.1588 | 264.7374 | -234.7896 | 0.00001 | 24.24605 | 0 | 957.7793 |
| 5/10/2012 19:00 | 1.583612 | 186.8433 | 28.42463 | 21.1538 | 264.3039 | -234.3927 | 0.00001 | 31.97804 | 0 | 957.6253 |
| 5/10/2012 20:00 | 1.472112 | 161.5333 | 20.55623 | 18.2031 | 263.7589 | -233.9425 | 0.00001 | 43.9927 | 0 | 957.4188 |
| 5/10/2012 21:00 | 1.555362 | 155.5351 | 12.85197 | 15.04568 | 263.4566 | -232.8359 | 0.00001 | 45.22133 | 0 | 957.1473 |
| 5/10/2012 22:00 | 1.914322 | 152.759 | 13.4929 | 14.98268 | 263.1819 | -232.8054 | 0.00001 | 44.1667 | 0 | 956.9762 |
| 5/10/2012 23:00 | 2.043692 | 154.9093 | 16.20401 | 15.44137 | 263.1738 | -233.6143 | 0.00001 | 44.81077 | 0 | 956.6392 |
| 5/11/2012 0:00 | 1.555017 | 156.7497 | 17.02256 | 14.77967 | 263.0964 | -233.0114 | 0.00001 | 44.67799 | 0 | 956.6022 |
| 5/11/2012 1:00 | 1.99105 | 158.2909 | 20.73883 | 15.55599 | 263.0958 | -233.1183 | 0.00001 | 43.60351 | 0 | 956.16 |
| 5/11/2012 2:00 | 2.074821 | 176.2309 | 28.86628 | 15.91497 | 263.0847 | -232.958 | 0.00001 | 46.92463 | 0 | 956.3949 |
| 5/11/2012 3:00 | 1.823476 | 183.569 | 29.62176 | 15.49945 | 263.1027 | -233.0344 | 0.00001 | 53.65693 | 0 | 956.5884 |
| 5/11/2012 4:00 | 1.136845 | 189.8775 | 30.14071 | 13.84233 | 262.9818 | -232.8512 | 0.00001 | 60.34344 | 0 | 956.5268 |
| 5/11/2012 5:00 | 2.450337 | 278.5572 | 24.0196 | 12.98697 | 262.807 | -232.8436 | 0.00001 | 75.38009 | 0 | 957.4951 |
| 5/11/2012 6:00 | 2.126314 | 278.2264 | 22.18703 | 12.33341 | 262.6171 | -232.8665 | 0.00001 | 76.131 | 0 | 958.0443 |
| 5/11/2012 7:00 | 2.674037 | 269.3346 | 25.2241 | 11.68956 | 262.6654 | -232.7978 | 0.00001 | 83.27081 | 0 | 959.412 |
| 5/11/2012 8:00 | 3.185458 | 285.4508 | 21.16484 | 10.44537 | 262.546 | -232.3246 | 0.00001 | 80.88528 | 0 | 960.3841 |
| 5/11/2012 9:00 | 3.988413 | 290.6519 | 17.37648 | 10.45052 | 262.4001 | -232.3781 | 0.00001 | 74.57575 | 0 | 960.6539 |
| 5/11/2012 10:00 | 3.84472 | 289.283 | 20.50365 | 10.45059 | 262.5394 | -232.7749 | 0.00001 | 68.34864 | 0 | 961.4164 |
| 5/11/2012 11:00 | 4.016422 | 292.9236 | 19.57575 | 10.2815 | 262.5557 | -232.5765 | 0.00001 | 65.18319 | 0 | 962.1544 |
| 5/11/2012 12:00 | 4.113495 | 295.5494 | 17.08122 | 10.02024 | 262.6296 | -232.3628 | 0.00001 | 67.54736 | 0 | 963.0141 |
| 5/11/2012 13:00 | 4.071318 | 294.2448 | 20.02257 | 11.27635 | 262.2782 | -226.4104 | 5.5896 | 54.64594 | 0 | 963.5172 |
| 5/11/2012 14:00 | 4.98291 | 302.8618 | 15.89909 | 11.92186 | 262.6506 | -233.3015 | 0.00001 | 54.41548 | 0 | 964.1346 |
| 5/11/2012 15:00 | 5.061276 | 297.8506 | 17.25606 | 11.09261 | 262.6568 | -232.7367 | 0.00001 | 59.29033 | 0 | 965.2253 |
| 5/11/2012 16:00 | 4.70253 | 303.4756 | 16.32748 | 11.05763 | 262.9921 | -235.0338 | 0.00001 | 52.66334 | 0 | 965.8378 |
| 5/11/2012 17:00 | 3.68413 | 285.1226 | 25.05102 | 12.16994 | 262.795 | -233.0267 | 0.00001 | 47.60839 | 0 | 966.1257 |
| 5/11/2012 18:00 | 4.645558 | 289.3533 | 20.11531 | 10.78101 | 263.0104 | -232.5688 | 0.00001 | 73.91183 | 0 | 967.0867 |
| 5/11/2012 19:00 | 3.538728 | 299.3404 | 14.89969 | 8.267948 | 262.5546 | -232.2025 | 0.00001 | 61.10657 | 0 | 967.7844 |
| 5/11/2012 20:00 | 1.16315 | 260.3799 | 28.60511 | 7.701742 | 262.4751 | -232.3246 | 0.00001 | 69.78332 | 0 | 968.0363 |
| 5/11/2012 21:00 | 0.5489846 | 192.5816 | 9.244417 | 5.702792 | 261.8626 | -232.0347 | 0.00001 | 80.45793 | 0 | 968.5133 |
| 5/11/2012 22:00 | 0.7683037 | 184.2078 | 11.55886 | 4.500777 | 261.7115 | -231.6073 | 0.3927 | 84.70091 | 0 | 968.8517 |
| 5/11/2012 23:00 | 0.7942227 | 174.6304 | 8.848136 | 3.969917 | 261.7996 | -231.4547 | 0.5453 | 89.30409 | 0 | 968.9797 |
| 5/12/2012 0:00 | 1.075488 | 177.1724 | 14.46879 | 3.671247 | 261.6158 | -232.0728 | 0.00001 | 86.33247 | 0 | 969.1717 |
| 5/12/2012 1:00 | 1.139359 | 173.5404 | 14.95135 | 3.875925 | 261.6628 | -231.3478 | 0.6522 | 75.53271 | 0 | 969.0128 |
| 5/12/2012 2:00 | 1.307161 | 183.1222 | 18.10074 | 4.047032 | 261.6325 | -231.6607 | 0.3393 | 67.50768 | 0 | 969.0037 |
| 5/12/2012 3:00 | 1.337396 | 184.3493 | 19.95092 | 4.062833 | 261.7364 | -231.821 | 0.179 | 67.28484 | 0 | 969.0146 |
| 5/12/2012 4:00 | 1.234995 | 182.6868 | 19.82669 | 3.789398 | 261.6464 | -232.0576 | 0.00001 | 65.57544 | 0 | 968.9993 |
| 5/12/2012 5:00 | 1.374739 | 180.5358 | 21.11296 | 3.842938 | 261.7307 | -231.0502 | 0.9498 | 64.74669 | 0 | 968.947 |

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|-----------------|-----------|----------|----------|----------|----------|-----------|---------|----------|-------|----------|
| 5/12/2012 6:00 | 1.859477 | 198.0808 | 35.04184 | 6.235674 | 261.7912 | -232.5383 | 0.00001 | 53.01438 | 0 | 968.9131 |
| 5/12/2012 7:00 | 2.255842 | 245.5477 | 34.98947 | 9.492311 | 262.5786 | -233.248 | 0.00001 | 43.62182 | 0 | 969.2225 |
| 5/12/2012 8:00 | 2.756126 | 250.1931 | 30.0617 | 11.0023 | 263.0117 | -233.6067 | 0.00001 | 43.56688 | 0 | 969.2789 |
| 5/12/2012 9:00 | 3.058371 | 261.8434 | 28.1747 | 12.75567 | 263.0935 | -237.3079 | 0.00001 | 39.73751 | 0 | 969.528 |
| 5/12/2012 10:00 | 2.856568 | 249.3026 | 33.24921 | 14.78946 | 263.2652 | -241.1922 | 0.00001 | 34.80161 | 0 | 969.4922 |
| 5/12/2012 11:00 | 3.399235 | 250.7152 | 33.0089 | 16.23809 | 263.3701 | -229.3408 | 2.6592 | 33.40662 | 0 | 969.5734 |
| 5/12/2012 12:00 | 3.385512 | 269.0729 | 29.93815 | 15.89459 | 263.1471 | -234.5377 | 0.00001 | 32.67249 | 0 | 969.674 |
| 5/12/2012 13:00 | 3.813788 | 290.8148 | 20.8808 | 15.93909 | 263.1095 | -233.2099 | 0.00001 | 27.05893 | 0 | 969.5934 |
| 5/12/2012 14:00 | 4.442227 | 294.6735 | 19.20175 | 15.41534 | 263.3266 | -233.187 | 0.00001 | 34.25827 | 0 | 969.6812 |
| 5/12/2012 15:00 | 3.709144 | 270.6177 | 28.48457 | 16.95077 | 263.1318 | -241.9706 | 0.00001 | 28.00521 | 0 | 969.5212 |
| 5/12/2012 16:00 | 4.332312 | 280.9253 | 26.59629 | 17.96695 | 263.1351 | -229.4706 | 2.5294 | 24.7024 | 0 | 969.2827 |
| 5/12/2012 17:00 | 4.226851 | 289.4753 | 21.65527 | 17.87917 | 263.3185 | -233.9806 | 0.00001 | 24.86265 | 0 | 969.1101 |
| 5/12/2012 18:00 | 3.41998 | 279.9936 | 25.29373 | 17.66747 | 263.4801 | -233.6296 | 0.00001 | 25.34953 | 0 | 968.953 |
| 5/12/2012 19:00 | 2.132396 | 266.4083 | 27.62756 | 17.16054 | 263.6159 | -233.7441 | 0.00001 | 26.06381 | 0 | 968.957 |
| 5/12/2012 20:00 | 1.083393 | 229.2186 | 32.983 | 15.23037 | 263.3355 | -233.3396 | 0.00001 | 32.5046 | 0 | 968.8296 |
| 5/12/2012 21:00 | 0.7942675 | 190.5276 | 19.60609 | 13.04883 | 262.8897 | -233.3091 | 0.00001 | 36.25918 | 0 | 968.6611 |
| 5/12/2012 22:00 | 0.8529727 | 183.0823 | 16.88225 | 11.85911 | 262.8366 | -232.9199 | 0.00001 | 38.39898 | 0 | 968.1097 |
| 5/12/2012 23:00 | 0.9228497 | 177.1376 | 16.73459 | 10.5524 | 262.6281 | -232.8207 | 0.00001 | 44.54826 | 0 | 967.6206 |
| 5/13/2012 0:00 | 1.131514 | 169.1283 | 17.5033 | 9.620105 | 262.6194 | -232.2407 | 0.00001 | 42.60992 | 0 | 966.9261 |
| 5/13/2012 1:00 | 1.451159 | 175.9289 | 24.29615 | 10.97277 | 262.4694 | -231.966 | 0.034 | 40.09312 | 0 | 966.0841 |
| 5/13/2012 2:00 | 1.561777 | 176.5454 | 26.76048 | 11.21681 | 262.5906 | -232.5154 | 0.00001 | 39.54367 | 0 | 965.1009 |
| 5/13/2012 3:00 | 1.336706 | 186.1422 | 33.65582 | 10.88478 | 262.4869 | -232.6986 | 0.00001 | 41.08061 | 0 | 964.3124 |
| 5/13/2012 4:00 | 1.414317 | 185.6152 | 28.87217 | 10.5429 | 262.4661 | -232.111 | 0.00001 | 44.24911 | 0 | 963.6789 |
| 5/13/2012 5:00 | 1.605145 | 184.3347 | 27.57615 | 10.68164 | 262.4939 | -232.5765 | 0.00001 | 42.49087 | 0 | 962.9446 |
| 5/13/2012 6:00 | 1.962996 | 189.7948 | 31.68954 | 11.9846 | 262.6473 | -233.0801 | 0.00001 | 38.0449 | 0 | 962.0603 |
| 5/13/2012 7:00 | 2.024288 | 217.7061 | 37.26519 | 13.56987 | 262.9175 | -232.752 | 0.00001 | 36.99331 | 0 | 961.8386 |
| 5/13/2012 8:00 | 2.676452 | 248.4977 | 32.25872 | 15.05195 | 263.1556 | -232.6909 | 0.00001 | 34.7024 | 0 | 961.8231 |
| 5/13/2012 9:00 | 2.544696 | 250.227 | 30.16778 | 16.48231 | 263.4471 | -239.2844 | 0.00001 | 33.18989 | 0 | 961.3159 |
| 5/13/2012 10:00 | 2.868734 | 249.3876 | 30.78577 | 18.8381 | 264.7557 | -234.5682 | 0.00001 | 30.84404 | 0 | 960.7657 |
| 5/13/2012 11:00 | 2.725834 | 251.8712 | 32.54898 | 20.20965 | 263.9169 | -233.8967 | 0.00001 | 30.72651 | 0 | 960.511 |
| 5/13/2012 12:00 | 3.338374 | 252.6589 | 29.47005 | 20.55825 | 264.5197 | -228.3488 | 3.6512 | 27.41302 | 0 | 959.9964 |
| 5/13/2012 13:00 | 3.367121 | 254.7727 | 31.74365 | 21.2335 | 263.5977 | -235.5221 | 0.00001 | 26.47285 | 0 | 959.523 |
| 5/13/2012 14:00 | 3.944273 | 247.7421 | 31.51096 | 21.81894 | 263.7607 | -234.2248 | 0.00001 | 24.30099 | 0 | 959.1909 |
| 5/13/2012 15:00 | 3.907469 | 259.7552 | 30.27269 | 21.88923 | 263.8648 | -234.3774 | 0.00001 | 24.15447 | 0 | 958.7394 |
| 5/13/2012 16:00 | 4.496743 | 268.7506 | 25.91298 | 21.74645 | 264.2186 | -238.2847 | 0.00001 | 23.65997 | 0 | 958.2772 |
| 5/13/2012 17:00 | 5.700081 | 290.0732 | 21.14289 | 21.26425 | 264.1366 | -233.4007 | 0.00001 | 23.27993 | 0 | 958.2495 |
| 5/13/2012 18:00 | 6.825713 | 299.8336 | 14.59277 | 20.31202 | 263.9297 | -234.0035 | 0.00001 | 28.41119 | 0 | 958.7562 |
| 5/13/2012 19:00 | 6.905268 | 300.8665 | 13.7365 | 18.55042 | 263.8915 | -233.2099 | 0.00001 | 28.38982 | 0 | 959.5502 |
| 5/13/2012 20:00 | 6.056162 | 301.2382 | 13.67678 | 17.02651 | 263.5874 | -233.7212 | 0.00001 | 29.60472 | 0 | 960.1789 |
| 5/13/2012 21:00 | 4.494279 | 301.1178 | 13.05903 | 15.35442 | 263.3818 | -233.6449 | 0.00001 | 33.76223 | 0 | 960.931 |
| 5/13/2012 22:00 | 3.404214 | 296.382 | 13.80507 | 14.22971 | 263.3009 | -233.4617 | 0.00001 | 36.39044 | 0 | 961.1066 |
| 5/13/2012 23:00 | 3.167689 | 295.6021 | 13.2201 | 12.79273 | 263.174 | -233.1946 | 0.00001 | 39.79245 | 0 | 961.1357 |
| 5/14/2012 0:00 | 2.292393 | 313.8351 | 19.23662 | 11.41909 | 262.939 | -232.8665 | 0.00001 | 46.83459 | 0 | 961.6445 |
| 5/14/2012 1:00 | 1.320831 | 342.6031 | 19.52214 | 8.985767 | 262.4892 | -232.5231 | 0.00001 | 50.65174 | 0 | 962.327 |
| 5/14/2012 2:00 | 1.129716 | 351.5171 | 18.47021 | 7.332141 | 262.2222 | -232.317 | 0.00001 | 58.64625 | 0 | 962.7757 |
| 5/14/2012 3:00 | 1.005058 | 353.8964 | 14.85948 | 5.364492 | 261.8559 | -231.7599 | 0.2401 | 68.74242 | 0 | 963.4448 |
| 5/14/2012 4:00 | 0.7347718 | 332.282 | 18.26909 | 4.099347 | 261.597 | -231.4623 | 0.5377 | 77.64199 | 0 | 963.6287 |
| 5/14/2012 5:00 | 0.2207173 | 187.423 | 28.33353 | 2.780409 | 261.6694 | -232.027 | 0.00001 | 78.63253 | 0 | 963.6703 |
| 5/14/2012 6:00 | 0.484838 | 307.8427 | 19.80396 | 4.510561 | 261.6638 | -231.4165 | 0.5835 | 70.71891 | 0 | 964.2458 |
| 5/14/2012 7:00 | 0.6510989 | 253.119 | 38.10341 | 8.352909 | 262.4103 | -231.9507 | 0.0493 | 52.35962 | 0 | 964.6572 |
| 5/14/2012 8:00 | 1.308036 | 248.6244 | 33.70436 | 11.12268 | 263.1035 | -233.0191 | 0.00001 | 41.96737 | 0 | 964.7639 |
| 5/14/2012 9:00 | 3.446826 | 290.6633 | 26.19515 | 12.5102 | 262.9312 | -233.3854 | 0.00001 | 35.11144 | 0 | 964.7448 |
| 5/14/2012 10:00 | 3.760742 | 297.9814 | 21.05046 | 13.74639 | 262.2405 | -231.0807 | 0.9193 | 34.30863 | 0 | 964.6553 |
| 5/14/2012 11:00 | 3.109932 | 300.9896 | 27.39638 | 14.9961 | 262.7845 | -229.585 | 2.415 | 30.36479 | 0 | 964.3616 |
| 5/14/2012 12:00 | 2.125003 | 303.9436 | 23.19963 | 14.62079 | 263.328 | -233.4083 | 0.00001 | 33.88128 | 0 | 963.9095 |
| 5/14/2012 13:00 | 2.029676 | 314.1971 | 19.28979 | 15.37006 | 262.9854 | -238.0099 | 0.00001 | 29.90081 | 0 | 963.2639 |
| 5/14/2012 14:00 | 1.372018 | 72.25974 | 71.35649 | 16.95941 | 264.872 | -235.8045 | 0.00001 | 28.13341 | 0 | 962.2816 |
| 5/14/2012 15:00 | 1.500146 | 311.3675 | 40.15379 | 18.17032 | 264.069 | -238.9257 | 0.00001 | 28.04184 | 0 | 961.4492 |
| 5/14/2012 16:00 | 1.09822 | 333.2786 | 48.87425 | 19.35668 | 264.9397 | -232.3399 | 0.00001 | 26.07297 | 0 | 960.7889 |
| 5/14/2012 17:00 | 0.9872761 | 38.6825 | 52.71964 | 20.34779 | 264.5601 | -234.4919 | 0.00001 | 25.92035 | 0.254 | 959.9514 |
| 5/14/2012 18:00 | 1.295234 | 66.52268 | 34.9296 | 19.97101 | 264.6087 | -234.263 | 0.00001 | 27.63433 | 0 | 959.1028 |
| 5/14/2012 19:00 | 1.055628 | 81.61324 | 26.93723 | 18.95249 | 264.161 | -234.0569 | 0.00001 | 33.39288 | 0 | 958.4648 |
| 5/14/2012 20:00 | 1.437267 | 45.8671 | 31.61183 | 15.89642 | 263.2198 | -232.7596 | 0.00001 | 41.02414 | 0 | 958.4639 |
| 5/14/2012 21:00 | 2.112281 | 49.90327 | 31.79465 | 14.05784 | 262.8959 | -232.6604 | 0.00001 | 48.0159 | 0 | 958.7548 |
| 5/14/2012 22:00 | 2.529029 | 48.33953 | 39.67011 | 12.22781 | 262.8641 | -233.0496 | 0.00001 | 52.20547 | 0 | 959.3619 |
| 5/14/2012 23:00 | 2.180564 | 23.28813 | 34.56422 | 10.79059 | 262.6205 | -232.7978 | 0.00001 | 56.3935 | 0 | 960.119 |
| 5/15/2012 0:00 | 2.224548 | 345.2231 | 25.5613 | 9.419186 | 262.4327 | -232.2712 | 0.00001 | 61.95822 | 0 | 961.6959 |
| 5/15/2012 1:00 | 2.224636 | 356.948 | 25.2366 | 7.987054 | 262.3474 | -232.256 | 0.00001 | 72.55347 | 0 | 961.5148 |
| 5/15/2012 2:00 | 2.329105 | 346.6277 | 24.99552 | 7.321859 | 262.2162 | -232.2025 | 0.00001 | 66.75981 | 0 | 961.6916 |
| 5/15/2012 3:00 | 2.000435 | 350.7259 | 26.69509 | 7.007453 | 262.2613 | -232.3705 | 0.00001 | 66.4454 | 0 | 962.2615 |
| 5/15/2012 4:00 | 2.45766 | 334.639 | 22.85057 | 6.584103 | 262.1343 | -231.9583 | 0.0417 | 67.16427 | 0 | 962.9337 |
| 5/15/2012 5:00 | 2.63696 | 331.0788 | 21.97623 | 5.992571 | 262.1106 | -231.7141 | 0.2859 | 68.87215 | 0 | 963.4465 |
| 5/15/2012 6:00 | 2.719248 | 335.8957 | 23.63105 | 5.124866 | 261.9722 | -232.0881 | 0.00001 | 68.61726 | 0 | 964.4672 |
| 5/15/2012 7:00 | 2.62596 | 335.0121 | 23.83049 | 5.860837 | 262.1968 | -232.6451 | 0.00001 | 61.65297 | 0 | 965.4869 |

| | | | | | | | | | | |
|-----------------|-----------|----------|----------|-----------|----------|-----------|---------|----------|---|----------|
| 5/15/2012 8:00 | 3.071041 | 327.5773 | 23.59134 | 7.109776 | 262.5009 | -232.4239 | 0.00001 | 57.15815 | 0 | 966.2473 |
| 5/15/2012 9:00 | 3.249063 | 322.8086 | 21.88015 | 8.440827 | 262.5229 | -232.1339 | 0.00001 | 47.21767 | 0 | 966.5861 |
| 5/15/2012 10:00 | 5.590222 | 310.8256 | 16.15291 | 8.945203 | 262.1976 | -238.1778 | 0.00001 | 43.8065 | 0 | 966.7029 |
| 5/15/2012 11:00 | 5.545311 | 311.4808 | 16.30146 | 9.521429 | 262.8576 | -229.0127 | 2.9873 | 42.32145 | 0 | 966.9137 |
| 5/15/2012 12:00 | 6.016506 | 307.2911 | 15.38832 | 10.2994 | 262.3235 | -238.5289 | 0.00001 | 38.36083 | 0 | 966.8591 |
| 5/15/2012 13:00 | 6.306765 | 306.9203 | 15.21922 | 10.94804 | 262.5441 | -237.8115 | 0.00001 | 30.97377 | 0 | 966.9269 |
| 5/15/2012 14:00 | 6.314687 | 310.1255 | 16.09609 | 11.50948 | 262.111 | -233.2022 | 0.00001 | 32.21919 | 0 | 967.101 |
| 5/15/2012 15:00 | 6.318303 | 306.8636 | 14.00124 | 11.75463 | 261.8091 | -226.1815 | 5.8185 | 29.80924 | 0 | 967.2842 |
| 5/15/2012 16:00 | 6.084067 | 309.6235 | 15.20312 | 11.66954 | 263.0201 | -233.2251 | 0.00001 | 32.95637 | 0 | 967.6129 |
| 5/15/2012 17:00 | 3.694928 | 325.7296 | 22.40243 | 12.50588 | 263.1276 | -233.3167 | 0.00001 | 30.35564 | 0 | 968.0033 |
| 5/15/2012 18:00 | 3.846936 | 320.0294 | 19.43388 | 11.61394 | 263.0068 | -232.4617 | 0.00001 | 30.38006 | 0 | 968.2252 |
| 5/15/2012 19:00 | 3.395373 | 325.1434 | 20.85323 | 10.99169 | 263.0211 | -232.8283 | 0.00001 | 37.06351 | 0 | 968.4444 |
| 5/15/2012 20:00 | 2.957121 | 321.61 | 19.80877 | 9.453171 | 262.7083 | -232.4239 | 0.00001 | 42.22225 | 0 | 968.7148 |
| 5/15/2012 21:00 | 1.406207 | 339.9724 | 18.61547 | 7.505803 | 262.2847 | -232.111 | 0.00001 | 52.06658 | 0 | 969.1583 |
| 5/15/2012 22:00 | 1.40706 | 357.1745 | 26.28637 | 6.193684 | 261.9516 | -231.6913 | 0.3087 | 53.74088 | 0 | 969.7569 |
| 5/15/2012 23:00 | 1.240357 | 21.43387 | 31.02973 | 4.914623 | 261.6941 | -231.8134 | 0.1866 | 58.8004 | 0 | 970.2126 |
| 5/16/2012 0:00 | 0.8492746 | 23.53579 | 22.841 | 4.01177 | 261.5785 | -231.5005 | 0.4995 | 62.91671 | 0 | 970.7452 |
| 5/16/2012 1:00 | 0.418267 | 342.6281 | 26.3338 | 2.505936 | 261.405 | -231.2639 | 0.7361 | 76.23785 | 0 | 971.1074 |
| 5/16/2012 2:00 | 0.7034482 | 303.1364 | 7.529581 | 1.151486 | 260.9265 | -230.9205 | 1.0795 | 90.70672 | 0 | 971.2386 |
| 5/16/2012 3:00 | 0.8920847 | 281.3116 | 18.68513 | 0.8616015 | 261.0394 | -230.5695 | 1.4305 | 83.99426 | 0 | 971.3148 |
| 5/16/2012 4:00 | 0.9796175 | 273.0341 | 13.81992 | 0.8438059 | 261.1442 | -231.4623 | 0.5377 | 91.27142 | 0 | 971.2801 |
| 5/16/2012 5:00 | 0.9892817 | 294.9768 | 16.1431 | 0.6321661 | 261.1025 | -230.2566 | 1.7434 | 89.85812 | 0 | 971.6063 |
| 5/16/2012 6:00 | 1.162509 | 295.6894 | 14.35035 | 2.752326 | 261.5052 | -231.737 | 0.263 | 72.88619 | 0 | 972.0763 |
| 5/16/2012 7:00 | 1.428686 | 300.9766 | 22.13739 | 5.578707 | 262.1604 | -232.2941 | 0.00001 | 52.21463 | 0 | 972.4116 |
| 5/16/2012 8:00 | 1.777806 | 317.3413 | 26.95825 | 7.196106 | 262.6699 | -232.4464 | 0.00001 | 48.47531 | 0 | 972.3896 |
| 5/16/2012 9:00 | 1.762723 | 304.3065 | 32.49918 | 8.168329 | 262.9879 | -234.7743 | 0.00001 | 44.24453 | 0 | 972.018 |
| 5/16/2012 10:00 | 1.847987 | 297.0673 | 33.78746 | 10.01623 | 263.2408 | -240.4748 | 0.00001 | 36.40875 | 0 | 971.7318 |
| 5/16/2012 11:00 | 2.03255 | 290.6236 | 43.57922 | 11.60073 | 261.6085 | -236.9721 | 0.00001 | 31.94294 | 0 | 971.3563 |
| 5/16/2012 12:00 | 2.453613 | 295.6159 | 33.37851 | 13.07663 | 262.6262 | -228.7379 | 3.2621 | 28.84312 | 0 | 970.8892 |
| 5/16/2012 13:00 | 2.522287 | 303.7622 | 38.18884 | 14.21187 | 263.4286 | -235.9953 | 0.00001 | 24.01406 | 0 | 970.2866 |
| 5/16/2012 14:00 | 3.023093 | 304.501 | 29.09763 | 14.97404 | 263.5889 | -231.6302 | 0.3698 | 24.10716 | 0 | 969.5469 |
| 5/16/2012 15:00 | 2.869585 | 299.0507 | 27.94288 | 15.8021 | 263.7855 | -230.6076 | 1.3924 | 22.28481 | 0 | 969.062 |
| 5/16/2012 16:00 | 2.763404 | 303.4003 | 26.29025 | 16.28804 | 263.69 | -229.1119 | 2.8881 | 21.68042 | 0 | 968.7026 |
| 5/16/2012 17:00 | 2.645762 | 298.5454 | 20.04267 | 15.51273 | 263.3759 | -233.1564 | 0.00001 | 24.69934 | 0 | 968.355 |
| 5/16/2012 18:00 | 1.51735 | 302.446 | 18.97157 | 15.36391 | 263.3845 | -233.8891 | 0.00001 | 23.71644 | 0 | 968.0681 |
| 5/16/2012 19:00 | 0.3568751 | 7.638942 | 31.51314 | 14.53424 | 263.5423 | -233.4617 | 0.00001 | 29.13311 | 0 | 967.7925 |
| 5/16/2012 20:00 | 0.3015125 | 102.8637 | 26.85412 | 12.24874 | 263.0714 | -233.3243 | 0.00001 | 38.94996 | 0 | 967.6043 |
| 5/16/2012 21:00 | 0.6956808 | 119.6375 | 18.70189 | 10.65157 | 262.9037 | -232.2788 | 0.00001 | 47.21615 | 0 | 967.7897 |
| 5/16/2012 22:00 | 1.000579 | 106.8073 | 20.93693 | 9.529512 | 262.8034 | -232.7749 | 0.00001 | 47.36877 | 0 | 967.785 |
| 5/16/2012 23:00 | 1.186701 | 103.5361 | 27.66987 | 9.388182 | 262.4611 | -232.3246 | 0.00001 | 44.50094 | 0 | 967.7173 |
| 5/17/2012 0:00 | 1.551642 | 106.2724 | 28.1694 | 9.918205 | 262.5633 | -232.6604 | 0.00001 | 46.71859 | 0 | 968.1128 |
| 5/17/2012 1:00 | 1.761727 | 105.4625 | 26.64049 | 9.352984 | 262.4742 | -232.3399 | 0.00001 | 50.72042 | 0 | 968.0877 |
| 5/17/2012 2:00 | 1.520933 | 117.6468 | 25.12952 | 8.682527 | 262.4966 | -232.1491 | 0.00001 | 55.42433 | 0 | 967.7343 |
| 5/17/2012 3:00 | 1.658387 | 120.4496 | 18.81869 | 8.143921 | 262.4435 | -232.4849 | 0.00001 | 59.9512 | 0 | 967.3605 |
| 5/17/2012 4:00 | 1.343781 | 122.6834 | 21.34103 | 7.817653 | 262.356 | -232.0881 | 0.00001 | 62.13069 | 0 | 966.9664 |
| 5/17/2012 5:00 | 1.143828 | 116.128 | 22.41178 | 7.392974 | 262.2412 | -232.2178 | 0.00001 | 64.72684 | 0 | 966.7395 |
| 5/17/2012 6:00 | 1.431605 | 121.9158 | 20.28126 | 7.775831 | 262.3706 | -232.3781 | 0.00001 | 65.69601 | 0 | 966.5978 |
| 5/17/2012 7:00 | 1.280691 | 134.7848 | 20.73855 | 8.548764 | 262.3516 | -232.4239 | 0.00001 | 62.47257 | 0 | 966.189 |
| 5/17/2012 8:00 | 1.251611 | 121.6544 | 21.28752 | 9.252364 | 262.4618 | -232.1415 | 0.00001 | 56.75065 | 0 | 965.7341 |
| 5/17/2012 9:00 | 1.437804 | 120.4672 | 22.01357 | 10.08175 | 262.6413 | -233.0191 | 0.00001 | 54.11328 | 0 | 965.1284 |
| 5/17/2012 10:00 | 1.491812 | 106.8488 | 28.28501 | 11.15582 | 262.8078 | -232.8588 | 0.00001 | 49.57268 | 0 | 964.5206 |
| 5/17/2012 11:00 | 2.128169 | 117.1375 | 28.89237 | 13.18256 | 263.0699 | -220.3436 | 11.6564 | 40.38159 | 0 | 963.7873 |
| 5/17/2012 12:00 | 2.9054 | 120.8492 | 26.89253 | 16.60044 | 263.8988 | -243.8478 | 0.00001 | 34.12243 | 0 | 962.8096 |
| 5/17/2012 13:00 | 3.109901 | 112.4072 | 30.64199 | 18.03528 | 263.5621 | -230.1345 | 1.8655 | 36.45149 | 0 | 961.8795 |
| 5/17/2012 14:00 | 3.330949 | 98.92577 | 30.45575 | 19.41372 | 263.4726 | -236.3463 | 0.00001 | 33.30893 | 0 | 961.0436 |
| 5/17/2012 15:00 | 3.872444 | 91.92076 | 29.93873 | 20.38564 | 264.5282 | -235.194 | 0.00001 | 30.64104 | 0 | 959.9581 |
| 5/17/2012 16:00 | 3.511775 | 99.21033 | 30.64482 | 21.31942 | 264.4215 | -237.6284 | 0.00001 | 28.45545 | 0 | 959.1304 |
| 5/17/2012 17:00 | 3.399515 | 92.55476 | 27.67768 | 20.77803 | 264.0446 | -233.8509 | 0.00001 | 30.58457 | 0 | 958.9423 |
| 5/17/2012 18:00 | 3.586925 | 83.18816 | 29.56155 | 19.38893 | 264.2019 | -233.6372 | 0.00001 | 37.72438 | 0 | 959.018 |
| 5/17/2012 19:00 | 3.427213 | 82.06284 | 28.03215 | 16.81449 | 263.716 | -233.6219 | 0.00001 | 43.39289 | 0 | 959.1956 |
| 5/17/2012 20:00 | 3.021504 | 84.93854 | 30.86196 | 14.2576 | 263.1885 | -232.9733 | 0.00001 | 49.88251 | 0 | 959.3944 |
| 5/17/2012 21:00 | 3.033101 | 87.26591 | 30.42286 | 12.72246 | 262.8159 | -232.7291 | 0.00001 | 53.46157 | 0 | 959.6777 |
| 5/17/2012 22:00 | 2.605223 | 84.73151 | 29.60781 | 11.61821 | 262.6809 | -232.6375 | 0.00001 | 58.84924 | 0 | 959.8239 |
| 5/17/2012 23:00 | 1.931498 | 76.86511 | 31.51305 | 10.47521 | 262.4475 | -232.4696 | 0.00001 | 61.73844 | 0 | 960.0792 |
| 5/18/2012 0:00 | 1.786979 | 96.94313 | 29.3672 | 9.687714 | 262.416 | -232.172 | 0.00001 | 65.68075 | 0 | 960.0036 |
| 5/18/2012 1:00 | 1.688985 | 101.2176 | 28.35561 | 9.167546 | 262.2961 | -232.256 | 0.00001 | 67.66793 | 0 | 959.8132 |
| 5/18/2012 2:00 | 1.446466 | 100.1911 | 27.95195 | 9.125628 | 262.3575 | -232.3323 | 0.00001 | 68.56689 | 0 | 959.6954 |
| 5/18/2012 3:00 | 1.815986 | 105.3419 | 28.24497 | 9.244538 | 262.429 | -232.4696 | 0.00001 | 70.27325 | 0 | 959.2836 |
| 5/18/2012 4:00 | 2.080763 | 114.9107 | 25.93654 | 9.102624 | 262.3865 | -232.6146 | 0.00001 | 72.03912 | 0 | 959.2675 |
| 5/18/2012 5:00 | 1.88295 | 112.8593 | 24.03483 | 8.859506 | 262.3991 | -232.5383 | 0.00001 | 73.44327 | 0 | 959.4626 |
| 5/18/2012 6:00 | 2.042377 | 112.3509 | 23.41042 | 9.250936 | 262.4205 | -232.5231 | 0.00001 | 70.05652 | 0 | 959.7336 |
| 5/18/2012 7:00 | 2.011216 | 117.9887 | 26.37243 | 11.47306 | 262.8229 | -232.9809 | 0.00001 | 61.19052 | 0 | 959.9481 |
| 5/18/2012 8:00 | 2.070452 | 120.85 | 25.70145 | 13.79547 | 263.3281 | -233.7212 | 0.00001 | 55.87916 | 0 | 960.1072 |
| 5/18/2012 9:00 | 2.220075 | 88.07566 | 30.3317 | 15.50505 | 263.8351 | -233.7746 | 0.00001 | 51.28361 | 0 | 960.1001 |

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|-----------------|-----------|----------|----------|----------|----------|-----------|---------|----------|----------|----------|
| 5/18/2012 10:00 | 2.374366 | 83.84942 | 29.30494 | 17.75727 | 264.0478 | -233.5838 | 0.00001 | 45.5098 | 0 | 960.0799 |
| 5/18/2012 11:00 | 2.63987 | 93.31684 | 32.03859 | 20.19853 | 263.4246 | -230.9663 | 1.0337 | 41.48507 | 0 | 959.8981 |
| 5/18/2012 12:00 | 2.781542 | 98.06906 | 33.71408 | 21.72761 | 264.1092 | -234.2096 | 0.00001 | 41.64685 | 0 | 959.6035 |
| 5/18/2012 13:00 | 2.699167 | 120.3158 | 29.27857 | 22.78978 | 264.5041 | -240.4596 | 0.00001 | 38.16547 | 0 | 959.4487 |
| 5/18/2012 14:00 | 2.185398 | 128.2547 | 32.28239 | 24.12155 | 265.3293 | -234.7514 | 0.00001 | 37.80527 | 0 | 959.5126 |
| 5/18/2012 15:00 | 2.416114 | 118.2688 | 29.8765 | 23.41096 | 263.9947 | -233.4083 | 0.00001 | 38.68134 | 0.254 | 959.2639 |
| 5/18/2012 16:00 | 2.510919 | 118.1202 | 30.06927 | 24.08694 | 264.1555 | -236.1784 | 0.00001 | 35.0687 | 0 | 958.9289 |
| 5/18/2012 17:00 | 2.364077 | 124.4003 | 27.95607 | 24.40137 | 264.6203 | -234.0875 | 0.00001 | 38.61114 | 0 | 958.8292 |
| 5/18/2012 18:00 | 2.400486 | 119.891 | 27.10334 | 23.33607 | 264.3077 | -234.4385 | 0.00001 | 40.80742 | 0 | 959.0796 |
| 5/18/2012 19:00 | 2.149354 | 110.7456 | 28.49632 | 22.52321 | 264.2022 | -233.9501 | 0.00001 | 43.87518 | 0 | 959.1348 |
| 5/18/2012 20:00 | 1.771331 | 95.3717 | 26.10179 | 21.15044 | 263.7609 | -233.6067 | 0.00001 | 48.84771 | 0 | 958.9187 |
| 5/18/2012 21:00 | 1.934522 | 102.5966 | 25.04959 | 19.67945 | 263.587 | -233.828 | 0.00001 | 49.83825 | 0 | 959.2194 |
| 5/18/2012 22:00 | 2.174141 | 86.72026 | 25.34436 | 19.09356 | 263.7422 | -234.0035 | 0.00001 | 52.07727 | 0 | 959.222 |
| 5/18/2012 23:00 | 2.061625 | 74.38911 | 30.70604 | 18.16407 | 263.4294 | -233.2328 | 0.00001 | 58.96677 | 0 | 958.4708 |
| 5/19/2012 0:00 | 2.550022 | 81.05657 | 31.07668 | 16.49848 | 263.2391 | -233.2404 | 0.00001 | 64.35596 | 0 | 958.0427 |
| 5/19/2012 1:00 | 2.77616 | 92.50731 | 29.68107 | 14.61732 | 263.0456 | -232.7215 | 0.00001 | 89.97564 | 0 | 958.1916 |
| 5/19/2012 2:00 | 1.808439 | 74.74294 | 61.55279 | 12.89376 | 262.4833 | -232.7062 | 0.00001 | 97.9091 | 2.54 | 959.0361 |
| 5/19/2012 3:00 | 1.936251 | 106.7474 | 30.01391 | 12.58239 | 262.348 | -232.3475 | 0.00001 | 97.87094 | 2.794 | 958.166 |
| 5/19/2012 4:00 | 2.245191 | 121.6528 | 23.5851 | 12.53516 | 262.4805 | -232.1262 | 0.00001 | 99.64597 | 3.809999 | 958.3556 |
| 5/19/2012 5:00 | 1.972549 | 135.5252 | 19.87604 | 12.5934 | 262.6428 | -232.3018 | 0.00001 | 100 | 1.524 | 958.2029 |
| 5/19/2012 6:00 | 1.831697 | 137.0866 | 20.72798 | 12.78829 | 262.492 | -232.1568 | 0.00001 | 99.81234 | 3.556 | 957.3447 |
| 5/19/2012 7:00 | 0.891997 | 123.0569 | 40.8728 | 13.35766 | 262.6057 | -232.752 | 0.00001 | 99.34225 | 0.254 | 958.2921 |
| 5/19/2012 8:00 | 1.522962 | 132.8359 | 21.30097 | 14.2594 | 262.7422 | -233.0649 | 0.00001 | 94.54829 | 0.254 | 958.4865 |
| 5/19/2012 9:00 | 1.616285 | 147.3792 | 22.06465 | 16.22347 | 263.1383 | -233.0725 | 0.00001 | 87.98083 | 0.254 | 958.2006 |
| 5/19/2012 10:00 | 1.503794 | 145.7968 | 22.29309 | 17.21227 | 263.3134 | -233.5533 | 0.00001 | 91.27753 | 0 | 957.8881 |
| 5/19/2012 11:00 | 1.178196 | 147.0039 | 21.07467 | 18.3776 | 263.2916 | -232.7367 | 0.00001 | 85.45946 | 0 | 957.8425 |
| 5/19/2012 12:00 | 1.33242 | 174.4103 | 35.80416 | 20.60177 | 263.1675 | -227.8298 | 4.1702 | 71.12032 | 0.254 | 957.9354 |
| 5/19/2012 13:00 | 1.41158 | 163.023 | 33.69037 | 22.89145 | 264.5922 | -235.8045 | 0.00001 | 65.88222 | 0 | 957.3221 |
| 5/19/2012 14:00 | 1.268769 | 157.7837 | 31.39872 | 23.07214 | 264.3049 | -234.5606 | 0.00001 | 63.26927 | 0 | 957.3698 |
| 5/19/2012 15:00 | 1.189616 | 150.9264 | 20.14249 | 21.66216 | 263.8081 | -233.3167 | 0.00001 | 81.11726 | 0 | 956.772 |
| 5/19/2012 16:00 | 1.740361 | 154.7326 | 23.86128 | 21.40728 | 263.4782 | -233.6219 | 0.00001 | 71.22715 | 0.254 | 956.1533 |
| 5/19/2012 17:00 | 1.355328 | 175.5653 | 33.56759 | 20.91041 | 263.6381 | -232.7596 | 0.00001 | 80.29308 | 0 | 955.9362 |
| 5/19/2012 18:00 | 5.799909 | 298.8741 | 16.05704 | 13.74049 | 263.0891 | -232.4239 | 0.00001 | 93.79128 | 0 | 957.1989 |
| 5/19/2012 19:00 | 4.782538 | 303.4551 | 15.14339 | 10.65703 | 262.5163 | -232.1339 | 0.00001 | 98.20672 | 0 | 958.8854 |
| 5/19/2012 20:00 | 4.977441 | 300.0239 | 14.09599 | 9.84585 | 262.4555 | -232.6986 | 0.00001 | 97.83431 | 0.254 | 960.0856 |
| 5/19/2012 21:00 | 5.340332 | 301.5206 | 14.25429 | 8.841596 | 262.4158 | -232.4849 | 0.00001 | 98.51044 | 0 | 961.086 |
| 5/19/2012 22:00 | 5.275108 | 302.57 | 14.98021 | 8.113103 | 262.1336 | -232.2483 | 0.00001 | 97.99915 | 0 | 963.0748 |
| 5/19/2012 23:00 | 5.405893 | 302.0157 | 14.26641 | 7.54578 | 262.2809 | -232.1186 | 0.00001 | 94.77418 | 0.254 | 964.0356 |
| 5/20/2012 0:00 | 3.919364 | 299.3436 | 14.32853 | 7.43433 | 262.2278 | -232.3094 | 0.00001 | 99.83675 | 0 | 964.9233 |
| 5/20/2012 1:00 | 4.399156 | 301.8515 | 15.45041 | 7.087396 | 262.1841 | -232.1797 | 0.00001 | 96.59042 | 0 | 964.849 |
| 5/20/2012 2:00 | 4.178235 | 296.7182 | 16.5463 | 5.953676 | 262.0889 | -231.9431 | 0.0569 | 95.9326 | 0 | 965.8302 |
| 5/20/2012 3:00 | 3.342713 | 301.2182 | 15.65275 | 5.20381 | 261.8705 | -231.8668 | 0.1332 | 94.41093 | 0 | 966.2067 |
| 5/20/2012 4:00 | 2.949133 | 299.2801 | 14.15963 | 4.714955 | 261.8335 | -231.9965 | 0.0035 | 96.10506 | 0 | 967.013 |
| 5/20/2012 5:00 | 1.896123 | 307.3187 | 20.22664 | 4.850073 | 261.8324 | -231.9583 | 0.0417 | 95.40757 | 0 | 967.3287 |
| 5/20/2012 6:00 | 1.553182 | 301.9702 | 21.95554 | 4.870388 | 261.813 | -231.7752 | 0.2248 | 93.20977 | 0 | 967.6379 |
| 5/20/2012 7:00 | 2.253891 | 290.7983 | 20.05556 | 5.116131 | 261.7859 | -231.3478 | 0.6522 | 90.71435 | 0 | 967.9216 |
| 5/20/2012 8:00 | 2.43531 | 303.0851 | 20.13888 | 5.824025 | 261.9673 | -232.2636 | 0.00001 | 85.44267 | 0 | 968.2825 |
| 5/20/2012 9:00 | 1.620671 | 310.2693 | 25.50006 | 7.682876 | 262.5987 | -233.2022 | 0.00001 | 74.40633 | 0.254 | 968.3447 |
| 5/20/2012 10:00 | 1.838101 | 293.0169 | 28.69907 | 10.44306 | 262.6445 | -229.028 | 2.972 | 62.79919 | 0 | 968.6124 |
| 5/20/2012 11:00 | 1.441633 | 246.4432 | 57.60492 | 12.80279 | 263.3006 | -236.4455 | 0.00001 | 59.7131 | 0 | 968.8181 |
| 5/20/2012 12:00 | 1.674542 | 251.8393 | 44.6146 | 14.12956 | 262.9293 | -230.2108 | 1.7892 | 55.56322 | 0 | 968.3953 |
| 5/20/2012 13:00 | 2.067467 | 252.9102 | 40.53499 | 15.28711 | 263.1316 | -232.3323 | 0.00001 | 47.21157 | 0 | 968.0067 |
| 5/20/2012 14:00 | 2.669896 | 272.2944 | 32.28254 | 15.31544 | 264.1792 | -235.9648 | 0.00001 | 44.24911 | 0 | 967.743 |
| 5/20/2012 15:00 | 3.712471 | 298.3636 | 20.74516 | 15.93604 | 263.3929 | -235.7053 | 0.00001 | 38.52719 | 0.254 | 967.6479 |
| 5/20/2012 16:00 | 3.415515 | 293.8417 | 24.20412 | 16.26133 | 263.0637 | -232.9886 | 0.00001 | 39.49483 | 0 | 967.608 |
| 5/20/2012 17:00 | 3.357065 | 295.1638 | 22.12216 | 16.12522 | 263.2244 | -233.6754 | 0.00001 | 38.72713 | 0 | 967.517 |
| 5/20/2012 18:00 | 4.667566 | 299.4287 | 16.08436 | 14.97835 | 263.1033 | -233.7975 | 0.00001 | 35.35106 | 0 | 967.5196 |
| 5/20/2012 19:00 | 4.118229 | 298.5724 | 14.66169 | 13.94017 | 263.3102 | -233.393 | 0.00001 | 38.70271 | 0 | 968.2322 |
| 5/20/2012 20:00 | 3.200847 | 295.5056 | 14.9935 | 12.72709 | 263.1559 | -232.2483 | 0.00001 | 37.8938 | 0 | 968.8605 |
| 5/20/2012 21:00 | 2.732133 | 294.8356 | 14.56315 | 10.9393 | 262.9512 | -232.7902 | 0.00001 | 44.70393 | 0 | 969.564 |
| 5/20/2012 22:00 | 2.106791 | 289.5297 | 13.6748 | 9.529749 | 262.7632 | -232.4696 | 0.00001 | 47.8877 | 0 | 969.9417 |
| 5/20/2012 23:00 | 1.41009 | 279.0572 | 15.81061 | 7.90442 | 262.2046 | -232.2102 | 0.00001 | 53.87977 | 0 | 969.952 |
| 5/21/2012 0:00 | 1.278278 | 254.7203 | 18.35872 | 7.500393 | 261.9279 | -231.7981 | 0.2019 | 61.0501 | 0 | 970.0662 |
| 5/21/2012 1:00 | 1.16156 | 246.9049 | 20.21466 | 7.070772 | 262.072 | -232.0499 | 0.00001 | 66.02874 | 0 | 970.3579 |
| 5/21/2012 2:00 | 1.242085 | 243.65 | 21.12579 | 6.684326 | 261.9796 | -231.8362 | 0.1638 | 65.03667 | 0 | 970.5652 |
| 5/21/2012 3:00 | 1.143773 | 254.1217 | 20.4072 | 5.900255 | 261.8681 | -231.4394 | 0.5606 | 72.34437 | 0 | 970.7075 |
| 5/21/2012 4:00 | 1.279385 | 262.6514 | 17.61703 | 5.819282 | 261.7838 | -231.4089 | 0.5911 | 75.67007 | 0 | 970.9915 |
| 5/21/2012 5:00 | 1.37748 | 277.5693 | 18.1177 | 5.645932 | 262.018 | -231.9049 | 0.0951 | 73.55316 | 0 | 971.2962 |
| 5/21/2012 6:00 | 1.612842 | 292.9166 | 15.15126 | 6.52308 | 262.2151 | -231.821 | 0.179 | 63.64473 | 0 | 971.6447 |
| 5/21/2012 7:00 | 0.9415841 | 311.4789 | 32.12691 | 9.11316 | 262.8448 | -233.4464 | 0.00001 | 54.38038 | 0 | 971.8002 |
| 5/21/2012 8:00 | 0.7983251 | 52.10468 | 87.05875 | 11.38205 | 263.6511 | -233.7441 | 0.00001 | 49.00644 | 0 | 971.6587 |
| 5/21/2012 9:00 | 1.168911 | 174.34 | 61.51981 | 14.0968 | 263.5647 | -235.7969 | 0.00001 | 41.24392 | 0 | 971.1217 |
| 5/21/2012 10:00 | 2.249812 | 267.6125 | 33.3668 | 16.05447 | 264.0511 | -239.6659 | 0.00001 | 34.5513 | 0 | 970.7747 |
| 5/21/2012 11:00 | 2.619252 | 272.1266 | 36.11259 | 18.03354 | 264.2835 | -229.959 | 2.041 | 26.30191 | 0 | 970.3763 |

| | | | | | | | | | | |
|-----------------|-----------|----------|----------|----------|----------|-----------|---------|----------|----------|----------|
| 5/21/2012 12:00 | 3.664938 | 293.3846 | 24.13198 | 18.32003 | 263.0845 | -228.5243 | 3.4757 | 26.56595 | 0 | 970.1746 |
| 5/21/2012 13:00 | 4.131812 | 297.3785 | 21.15095 | 17.9738 | 263.0742 | -232.5459 | 0.00001 | 27.67401 | 0 | 969.981 |
| 5/21/2012 14:00 | 3.804832 | 296.6347 | 19.47866 | 18.30866 | 263.5818 | -234.2554 | 0.00001 | 27.82358 | 0 | 969.8953 |
| 5/21/2012 15:00 | 2.827789 | 295.8745 | 20.96034 | 17.8828 | 263.4191 | -233.5151 | 0.00001 | 29.44752 | 0 | 969.7248 |
| 5/21/2012 16:00 | 2.534727 | 293.9149 | 22.40768 | 18.15507 | 262.8759 | -231.7752 | 0.2248 | 31.72926 | 0 | 969.5269 |
| 5/21/2012 17:00 | 3.039761 | 307.1681 | 16.95575 | 18.39783 | 263.4274 | -232.9733 | 0.00001 | 34.31932 | 0 | 969.2934 |
| 5/21/2012 18:00 | 2.697818 | 313.1776 | 17.56808 | 17.20514 | 263.5932 | -233.332 | 0.00001 | 36.75063 | 0 | 969.1762 |
| 5/21/2012 19:00 | 0.7610545 | 351.8817 | 30.91474 | 16.14685 | 263.3755 | -233.6906 | 0.00001 | 39.27658 | 0 | 968.6754 |
| 5/21/2012 20:00 | 0.4575301 | 40.62271 | 30.2624 | 14.69292 | 263.2534 | -233.2251 | 0.00001 | 45.03208 | 0 | 968.4341 |
| 5/21/2012 21:00 | 0.4336235 | 76.19662 | 19.53672 | 13.31694 | 262.9984 | -232.4467 | 0.00001 | 53.10748 | 0 | 968.3057 |
| 5/21/2012 22:00 | 0.8623595 | 45.21465 | 33.90414 | 12.77181 | 262.6155 | -232.9123 | 0.00001 | 50.5098 | 0 | 968.3316 |
| 5/21/2012 23:00 | 0.5514588 | 54.3677 | 59.63742 | 11.90282 | 262.7701 | -232.9657 | 0.00001 | 57.64961 | 0 | 968.3996 |
| 5/22/2012 0:00 | 0.5178506 | 97.77815 | 56.6666 | 10.97276 | 262.6159 | -232.7367 | 0.00001 | 62.74271 | 0 | 968.0837 |
| 5/22/2012 1:00 | 0.5931067 | 30.8344 | 42.36345 | 10.62413 | 262.6087 | -232.6757 | 0.00001 | 59.70547 | 0 | 967.9966 |
| 5/22/2012 2:00 | 0.7305309 | 55.5338 | 45.1917 | 11.18754 | 262.4801 | -232.3018 | 0.00001 | 57.49851 | 0 | 967.868 |
| 5/22/2012 3:00 | 0.8870501 | 50.79288 | 42.18278 | 9.982991 | 262.4205 | -232.6528 | 0.00001 | 76.33247 | 0 | 968.1154 |
| 5/22/2012 4:00 | 1.794388 | 77.29946 | 33.2949 | 8.495166 | 262.2715 | -232.2636 | 0.00001 | 71.92007 | 0 | 968.0972 |
| 5/22/2012 5:00 | 1.896302 | 93.01923 | 35.47908 | 8.167768 | 262.332 | -232.5231 | 0.00001 | 70.65328 | 0 | 967.8864 |
| 5/22/2012 6:00 | 1.556727 | 81.50153 | 31.24014 | 7.942542 | 262.2262 | -232.111 | 0.00001 | 71.16763 | 0 | 967.8184 |
| 5/22/2012 7:00 | 1.517685 | 77.84392 | 31.25476 | 8.10923 | 262.3492 | -232.5459 | 0.00001 | 69.3636 | 0 | 967.6677 |
| 5/22/2012 8:00 | 1.972934 | 80.42917 | 31.78345 | 8.812203 | 262.5627 | -232.607 | 0.00001 | 64.59864 | 0 | 967.2589 |
| 5/22/2012 9:00 | 1.902295 | 94.44597 | 34.05596 | 9.542241 | 262.7276 | -232.5688 | 0.00001 | 66.54766 | 0 | 966.9781 |
| 5/22/2012 10:00 | 2.166692 | 83.63051 | 32.42292 | 9.671541 | 262.7062 | -232.5765 | 0.00001 | 68.26775 | 0 | 966.5636 |
| 5/22/2012 11:00 | 2.267884 | 91.24344 | 33.8878 | 9.496846 | 262.6218 | -232.2407 | 0.00001 | 71.7125 | 0 | 966.0897 |
| 5/22/2012 12:00 | 2.540732 | 81.36877 | 34.1462 | 9.401549 | 262.6795 | -232.8817 | 0.00001 | 77.8053 | 0 | 965.4883 |
| 5/22/2012 13:00 | 2.242178 | 84.42037 | 33.63931 | 8.449791 | 262.5522 | -232.6223 | 0.00001 | 95.31142 | 0 | 965.0698 |
| 5/22/2012 14:00 | 2.548826 | 90.46254 | 32.0002 | 8.379502 | 262.5044 | -232.1339 | 0.00001 | 88.85384 | 0 | 964.3657 |
| 5/22/2012 15:00 | 2.317099 | 96.64311 | 34.66867 | 8.446683 | 262.3884 | -232.3018 | 0.00001 | 95.91428 | 0 | 964.0626 |
| 5/22/2012 16:00 | 2.519379 | 87.19987 | 30.73954 | 8.23629 | 262.1913 | -232.027 | 0.00001 | 93.81874 | 0 | 963.5482 |
| 5/22/2012 17:00 | 2.600772 | 93.95438 | 32.0771 | 8.246615 | 262.2296 | -231.6302 | 0.3698 | 95.78455 | 0 | 963.2822 |
| 5/22/2012 18:00 | 2.221798 | 85.73977 | 31.11122 | 7.932019 | 262.2862 | -231.6683 | 0.3317 | 97.33218 | 0 | 962.8333 |
| 5/22/2012 19:00 | 2.300689 | 87.37294 | 29.15066 | 7.653913 | 262.2414 | -232.5612 | 0.00001 | 99.1881 | 0 | 962.2811 |
| 5/22/2012 20:00 | 2.248517 | 93.00005 | 32.94637 | 7.521918 | 262.2963 | -232.3857 | 0.00001 | 99.08584 | 0 | 961.7124 |
| 5/22/2012 21:00 | 2.071949 | 96.37147 | 33.59434 | 7.541079 | 262.2451 | -232.2178 | 0.00001 | 99.74976 | 0 | 961.1863 |
| 5/22/2012 22:00 | 2.037855 | 103.6949 | 30.06143 | 7.616896 | 262.1831 | -232.0423 | 0.00001 | 100 | 0 | 960.7765 |
| 5/22/2012 23:00 | 2.087632 | 106.9473 | 29.09083 | 8.004432 | 262.0893 | -232.1339 | 0.00001 | 99.34835 | 0 | 960.037 |
| 5/23/2012 0:00 | 1.982347 | 102.2754 | 29.64667 | 8.63323 | 262.3573 | -232.0881 | 0.00001 | 99.06753 | 0 | 958.8792 |
| 5/23/2012 1:00 | 2.478762 | 116.8468 | 26.9264 | 9.025424 | 262.135 | -232.172 | 0.00001 | 98.44329 | 0 | 957.5568 |
| 5/23/2012 2:00 | 2.475107 | 117.5781 | 27.23139 | 9.088881 | 262.3035 | -232.0728 | 0.00001 | 98.0312 | 0 | 955.89 |
| 5/23/2012 3:00 | 2.621952 | 120.7381 | 27.26047 | 9.011994 | 262.36 | -232.4467 | 0.00001 | 99.2812 | 2.794 | 954.723 |
| 5/23/2012 4:00 | 2.390088 | 123.6499 | 25.58517 | 9.060555 | 262.3 | -232.3857 | 0.00001 | 99.7345 | 1.778 | 953.6619 |
| 5/23/2012 5:00 | 2.076348 | 126.611 | 28.46389 | 9.475717 | 262.2479 | -232.5231 | 0.00001 | 99.64445 | 1.524 | 952.1243 |
| 5/23/2012 6:00 | 2.239286 | 138.6764 | 27.29457 | 9.976021 | 262.2193 | -232.3705 | 0.00001 | 99.19726 | 0.254 | 951.0725 |
| 5/23/2012 7:00 | 2.385777 | 147.1016 | 23.89915 | 10.20272 | 262.2723 | -232.0423 | 0.00001 | 99.51472 | 0.508 | 950.3839 |
| 5/23/2012 8:00 | 2.339409 | 148.9624 | 24.27008 | 10.89808 | 262.3158 | -232.3857 | 0.00001 | 95.14505 | 0.254 | 949.1818 |
| 5/23/2012 9:00 | 2.970364 | 149.504 | 23.48542 | 13.09794 | 262.7611 | -232.401 | 0.00001 | 85.31905 | 0.254 | 947.8581 |
| 5/23/2012 10:00 | 2.730367 | 152.2199 | 24.6857 | 15.33078 | 262.9869 | -233.103 | 0.00001 | 78.40359 | 0 | 947.1088 |
| 5/23/2012 11:00 | 2.284176 | 157.2895 | 26.9882 | 15.96994 | 262.9319 | -233.042 | 0.00001 | 79.76043 | 0.254 | 946.9265 |
| 5/23/2012 12:00 | 1.65494 | 153.861 | 30.40519 | 18.16769 | 263.533 | -242.4819 | 0.00001 | 72.04218 | 0 | 947.1949 |
| 5/23/2012 13:00 | 1.986758 | 158.922 | 32.36723 | 20.74658 | 263.3167 | -229.0737 | 2.9263 | 62.82971 | 0.254 | 946.8278 |
| 5/23/2012 14:00 | 1.961594 | 205.4843 | 48.79585 | 23.23619 | 263.6488 | -231.3555 | 0.6445 | 51.20119 | 0 | 946.6956 |
| 5/23/2012 15:00 | 2.321038 | 246.1761 | 40.65298 | 24.14246 | 264.2019 | -237.4605 | 0.00001 | 45.91426 | 0.254 | 946.9207 |
| 5/23/2012 16:00 | 2.208997 | 248.499 | 37.64809 | 23.43663 | 264.5905 | -233.0725 | 0.00001 | 37.85106 | 0 | 947.3556 |
| 5/23/2012 17:00 | 1.526236 | 252.9659 | 33.08257 | 22.76899 | 264.0356 | -234.1714 | 0.00001 | 45.94783 | 0 | 947.6822 |
| 5/23/2012 18:00 | 0.7454165 | 226.0586 | 51.37428 | 21.9023 | 263.8506 | -234.4538 | 0.00001 | 55.30681 | 0 | 947.9335 |
| 5/23/2012 19:00 | 0.6336411 | 156.1852 | 23.83323 | 19.53101 | 263.243 | -233.7669 | 0.00001 | 67.84039 | 0 | 948.049 |
| 5/23/2012 20:00 | 2.094271 | 280.5008 | 44.88744 | 15.21764 | 262.7256 | -230.9892 | 1.0108 | 97.75494 | 1.016 | 948.8533 |
| 5/23/2012 21:00 | 0.9675012 | 282.9351 | 82.91843 | 13.03462 | 262.1601 | -232.9352 | 0.00001 | 99.66582 | 5.588001 | 949.4149 |
| 5/23/2012 22:00 | 0.714272 | 125.5378 | 24.29321 | 12.91527 | 262.6086 | -232.401 | 0.00001 | 99.38803 | 3.556 | 949.3095 |
| 5/23/2012 23:00 | 0.8545321 | 132.1901 | 22.13931 | 12.78857 | 261.7096 | -232.8512 | 0.00001 | 99.91917 | 0.762 | 948.9326 |
| 5/24/2012 0:00 | 0.8922197 | 104.1915 | 75.46408 | 12.78889 | 262.5531 | -233.2251 | 0.00001 | 100 | 6.096001 | 948.6433 |
| 5/24/2012 1:00 | 0.5710765 | 121.6299 | 73.99062 | 12.8639 | 262.5242 | -232.6375 | 0.00001 | 100 | 4.318 | 947.942 |
| 5/24/2012 2:00 | 0.1419794 | 22.3528 | 59.93606 | 13.13131 | 262.8794 | -232.897 | 0.00001 | 99.46435 | 0.508 | 947.9238 |
| 5/24/2012 3:00 | 0.2534868 | 141.1042 | 11.08805 | 13.3561 | 262.8633 | -233.0954 | 0.00001 | 100 | 0.254 | 948.1571 |
| 5/24/2012 4:00 | 0.6723135 | 147.7859 | 18.81975 | 13.82386 | 262.7656 | -232.7291 | 0.00001 | 100 | 0 | 948.2206 |
| 5/24/2012 5:00 | 0.559747 | 153.263 | 19.81661 | 14.04533 | 262.6005 | -232.5841 | 0.00001 | 99.91306 | 0 | 948.5286 |
| 5/24/2012 6:00 | 0.7960615 | 217.0072 | 40.3279 | 14.12533 | 262.6952 | -232.7749 | 0.00001 | 96.85293 | 0 | 949.1091 |
| 5/24/2012 7:00 | 1.192042 | 248.4019 | 29.71115 | 14.6935 | 262.8217 | -232.9962 | 0.00001 | 85.75249 | 0 | 949.5544 |
| 5/24/2012 8:00 | 1.010263 | 226.3822 | 40.15134 | 16.77603 | 263.4775 | -233.1717 | 0.00001 | 76.40267 | 0 | 950.1075 |
| 5/24/2012 9:00 | 1.732715 | 268.2601 | 34.32717 | 17.39136 | 263.492 | -233.5685 | 0.00001 | 70.90206 | 0 | 950.2132 |
| 5/24/2012 10:00 | 1.72588 | 245.1774 | 39.29139 | 18.51434 | 263.8837 | -237.201 | 0.00001 | 55.29918 | 0 | 950.4599 |
| 5/24/2012 11:00 | 1.270476 | 238.5969 | 48.78472 | 19.73063 | 262.9622 | -229.6079 | 2.3921 | 48.96065 | 0 | 951.0668 |
| 5/24/2012 12:00 | 1.255865 | 254.6516 | 52.61713 | 20.2397 | 263.8151 | -228.4174 | 3.5826 | 44.66273 | 0 | 950.9127 |
| 5/24/2012 13:00 | 1.307275 | 235.6499 | 51.12417 | 20.98489 | 263.7111 | -239.8414 | 0.00001 | 38.64776 | 0 | 950.9559 |