

Latitude: 39.639000  
Longitude: 22.419001  
Elevation: 86.000000  
Month, Chosen year

1,2015  
2,2009  
3,2009  
4,201  
5,2015  
6,2011  
7,2015  
8,2014  
9,2009  
10,2013  
11,2011  
12,2009

Date&Time (UTC),Dry bulb temperature (deg. C),Relative Humidity (%), Global horizontal irradiance (W/m2) ,Direct (beam) normal Irradiance (W/m2),Diffuse horizontal irradiance (W/m2), Infrared radiation downwards (W/m2), Windspeed (m/s), Wind direction (deg.), Air pressure (Pa)

01/01/2015 00:00:00,3.55,78.04,0.00,-0.00,0.00,265.07,2.14,206,101298  
01/01/2015 01:00:00,2.28,75.69,0.00,-0.00,0.00,263.75,2.07,206,101373  
01/01/2015 02:00:00,1.00,73.35,0.00,-0.00,0.00,262.44,2.00,206,101449  
01/01/2015 03:00:00,-0.27,71.00,0.00,-0.00,0.00,261.12,1.92,204,101489  
01/01/2015 04:00:00,-1.54,68.65,0.00,-0.00,0.00,259.81,1.85,202,101528  
01/01/2015 05:00:00,-2.82,66.31,0.00,-0.00,0.00,258.49,1.78,200,101568  
01/01/2015 06:00:00,-4.09,63.96,2.00,0.00,2.00,257.18,1.70,198,101611  
01/01/2015 07:00:00,-5.37,61.61,15.00,0.00,15.00,255.86,1.63,196,101654  
01/01/2015 08:00:00,-0.10,58.77,90.00,0.00,90.00,252.90,2.08,194,101697  
01/01/2015 09:00:00,0.61,56.53,75.00,0.00,75.00,251.08,1.77,195,101674  
01/01/2015 10:00:00,1.32,54.29,70.00,0.00,70.00,249.27,1.46,196,101651  
01/01/2015 11:00:00,2.02,52.05,275.00,110.98,225.00,247.45,1.14,196,101627  
01/01/2015 12:00:00,1.59,54.17,284.00,226.31,194.00,246.32,1.20,200,101664  
01/01/2015 13:00:00,1.16,56.28,166.00,86.46,140.00,245.18,1.26,204,101700  
01/01/2015 14:00:00,0.73,58.40,66.00,24.05,62.00,244.05,1.31,208,101736  
01/01/2015 15:00:00,-0.31,57.80,0.00,0.00,0.00,240.33,1.18,206,101809  
01/01/2015 16:00:00,-1.34,57.19,0.00,-0.00,0.00,236.62,1.04,205,101882  
01/01/2015 17:00:00,-2.37,56.59,0.00,-0.00,0.00,232.90,0.91,203,101954  
01/01/2015 18:00:00,-2.91,56.83,0.00,-0.00,0.00,228.88,0.80,198,101997  
01/01/2015 19:00:00,-3.45,57.07,0.00,-0.00,0.00,224.87,0.69,194,102040  
01/01/2015 20:00:00,-3.99,57.31,0.00,-0.00,0.00,220.85,0.58,189,102083  
01/01/2015 21:00:00,-4.39,58.31,0.00,-0.00,0.00,217.05,0.59,184,102076  
01/01/2015 22:00:00,-4.80,59.32,0.00,-0.00,0.00,213.25,0.61,178,102070  
01/01/2015 23:00:00,-5.20,60.32,0.00,-0.00,0.00,209.45,0.62,173,102063  
02/01/2015 00:00:00,-5.13,58.51,0.00,-0.00,0.00,209.10,0.46,181,102050  
02/01/2015 01:00:00,-5.06,56.69,0.00,-0.00,0.00,208.75,0.31,189,102037  
02/01/2015 02:00:00,-4.98,54.88,0.00,-0.00,0.00,208.40,0.15,198,102023  
02/01/2015 03:00:00,-5.38,55.05,0.00,-0.00,0.00,206.20,0.33,193,102053  
02/01/2015 04:00:00,-5.77,55.22,0.00,-0.00,0.00,204.00,0.51,188,102083  
02/01/2015 05:00:00,-6.17,55.39,0.00,-0.00,0.00,201.80,0.69,183,102112

02/01/2015 06:00:00,-4.18,57.91,12.00,0.00,12.00,203.20,0.64,181,102132  
02/01/2015 07:00:00,-2.20,60.43,169.00,561.33,58.00,204.60,0.59,179,102152  
02/01/2015 08:00:00,-0.21,62.95,317.00,753.31,72.00,206.00,0.54,178,102172  
02/01/2015 09:00:00,1.22,59.85,422.00,822.02,82.00,211.22,0.68,178,102079  
02/01/2015 10:00:00,2.65,56.76,479.00,879.87,77.00,216.43,0.81,179,101987  
02/01/2015 11:00:00,4.08,53.66,471.00,860.47,82.00,221.65,0.95,179,101895  
02/01/2015 12:00:00,3.48,51.27,404.00,808.44,81.00,222.90,1.08,181,101891  
02/01/2015 13:00:00,2.87,48.88,292.00,752.90,64.00,224.15,1.20,184,101888  
02/01/2015 14:00:00,2.27,46.49,135.00,498.36,51.00,225.40,1.32,186,101885  
02/01/2015 15:00:00,0.82,48.25,0.00,0.00,0.00,214.53,1.11,169,101891  
02/01/2015 16:00:00,-0.63,50.00,0.00,-0.00,0.00,203.67,0.90,152,101898  
02/01/2015 17:00:00,-2.08,51.76,0.00,-0.00,0.00,192.80,0.69,136,101905  
02/01/2015 18:00:00,-2.85,52.89,0.00,-0.00,0.00,190.18,0.59,128,101891  
02/01/2015 19:00:00,-3.62,54.02,0.00,-0.00,0.00,187.57,0.49,120,101878  
02/01/2015 20:00:00,-4.39,55.15,0.00,-0.00,0.00,184.95,0.39,112,101865  
02/01/2015 21:00:00,-4.72,56.40,0.00,-0.00,0.00,185.45,0.55,108,101819  
02/01/2015 22:00:00,-5.05,57.64,0.00,-0.00,0.00,185.95,0.72,104,101773  
02/01/2015 23:00:00,-5.38,58.89,0.00,-0.00,0.00,186.45,0.88,100,101726  
03/01/2015 00:00:00,-5.28,58.90,0.00,-0.00,0.00,185.77,0.68,99,101687  
03/01/2015 01:00:00,-5.18,58.91,0.00,-0.00,0.00,185.08,0.47,97,101647  
03/01/2015 02:00:00,-5.07,58.92,0.00,-0.00,0.00,184.40,0.26,95,101608  
03/01/2015 03:00:00,-4.70,59.14,0.00,-0.00,0.00,185.02,0.27,95,101611  
03/01/2015 04:00:00,-4.34,59.36,0.00,-0.00,0.00,185.63,0.27,95,101614  
03/01/2015 05:00:00,-3.97,59.58,0.00,-0.00,0.00,186.25,0.28,95,101618  
03/01/2015 06:00:00,-0.91,60.39,2.00,0.00,2.00,195.22,0.36,100,101624  
03/01/2015 07:00:00,2.15,61.21,51.00,0.00,51.00,204.18,0.44,105,101631  
03/01/2015 08:00:00,5.21,62.02,167.00,58.32,148.00,213.15,0.52,109,101637  
03/01/2015 09:00:00,7.03,61.02,318.00,296.72,195.00,225.92,0.79,117,101578  
03/01/2015 10:00:00,8.85,60.02,373.00,357.94,209.00,238.68,1.05,125,101519  
03/01/2015 11:00:00,10.67,59.02,461.00,789.01,103.00,251.45,1.31,132,101459  
03/01/2015 12:00:00,9.65,61.03,404.00,797.02,84.00,248.70,0.96,138,101489  
03/01/2015 13:00:00,8.62,63.04,238.00,354.07,130.00,245.95,0.60,144,101519  
03/01/2015 14:00:00,7.60,65.05,145.00,602.67,42.00,243.20,0.25,150,101548  
03/01/2015 15:00:00,6.88,67.30,0.00,0.00,0.00,239.10,0.42,141,101555  
03/01/2015 16:00:00,6.17,69.55,0.00,-0.00,0.00,235.00,0.60,131,101561  
03/01/2015 17:00:00,5.46,71.80,0.00,-0.00,0.00,230.90,0.77,121,101568  
03/01/2015 18:00:00,4.41,74.35,0.00,-0.00,0.00,227.87,0.54,105,101522  
03/01/2015 19:00:00,3.36,76.89,0.00,-0.00,0.00,224.83,0.31,89,101476  
03/01/2015 20:00:00,2.31,79.44,0.00,-0.00,0.00,221.80,0.08,73,101429  
03/01/2015 21:00:00,1.80,78.65,0.00,-0.00,0.00,222.28,0.23,67,101314  
03/01/2015 22:00:00,1.29,77.87,0.00,-0.00,0.00,222.77,0.39,61,101199  
03/01/2015 23:00:00,0.78,77.08,0.00,-0.00,0.00,223.25,0.54,55,101083  
04/01/2015 00:00:00,0.89,76.01,0.00,-0.00,0.00,226.57,0.54,57,100977  
04/01/2015 01:00:00,1.00,74.94,0.00,-0.00,0.00,229.88,0.55,59,100872  
04/01/2015 02:00:00,1.11,73.87,0.00,-0.00,0.00,233.20,0.55,62,100766  
04/01/2015 03:00:00,1.66,74.12,0.00,-0.00,0.00,246.37,0.54,61,100677  
04/01/2015 04:00:00,2.21,74.38,0.00,-0.00,0.00,259.53,0.53,60,100588  
04/01/2015 05:00:00,2.76,74.63,0.00,-0.00,0.00,272.70,0.52,59,100499  
04/01/2015 06:00:00,4.43,74.53,11.00,0.00,11.00,285.05,0.52,60,100426  
04/01/2015 07:00:00,6.09,74.43,137.00,262.28,85.00,297.40,0.51,61,100354

04/01/2015 08:00:00,7.75,74.33,312.00,701.51,83.00,309.75,0.51,63,100281  
04/01/2015 09:00:00,8.73,74.23,416.00,767.61,97.00,311.00,1.05,64,100182  
04/01/2015 10:00:00,9.72,74.13,480.00,865.98,82.00,312.25,1.59,66,100083  
04/01/2015 11:00:00,10.70,74.03,477.00,875.97,78.00,313.50,2.12,67,99984  
04/01/2015 12:00:00,10.49,77.72,407.00,797.90,85.00,310.23,2.33,75,100021  
04/01/2015 13:00:00,10.27,81.42,297.00,754.91,65.00,306.97,2.53,82,100057  
04/01/2015 14:00:00,10.06,85.11,38.00,0.00,38.00,303.70,2.73,89,100093  
04/01/2015 15:00:00,8.74,86.78,0.00,0.00,0.00,295.60,2.55,112,100189  
04/01/2015 16:00:00,7.42,88.45,0.00,-0.00,0.00,287.50,2.37,135,100285  
04/01/2015 17:00:00,6.11,90.12,0.00,-0.00,0.00,279.40,2.19,158,100380  
04/01/2015 18:00:00,5.02,89.06,0.00,-0.00,0.00,279.62,1.96,166,100479  
04/01/2015 19:00:00,3.93,88.01,0.00,-0.00,0.00,279.83,1.73,173,100578  
04/01/2015 20:00:00,2.84,86.95,0.00,-0.00,0.00,280.05,1.50,181,100677  
04/01/2015 21:00:00,2.41,85.25,0.00,-0.00,0.00,285.87,1.33,179,100723  
04/01/2015 22:00:00,1.97,83.55,0.00,-0.00,0.00,291.68,1.16,177,100770  
04/01/2015 23:00:00,1.54,81.85,0.00,-0.00,0.00,297.50,0.99,175,100816  
05/01/2015 00:00:00,1.66,81.77,0.00,-0.00,0.00,309.33,1.11,177,100809  
05/01/2015 01:00:00,1.79,81.68,0.00,-0.00,0.00,321.17,1.23,179,100803  
05/01/2015 02:00:00,1.92,81.60,0.00,-0.00,0.00,333.00,1.35,181,100796  
05/01/2015 03:00:00,1.18,81.05,0.00,-0.00,0.00,326.90,1.50,177,100829  
05/01/2015 04:00:00,0.44,80.49,0.00,-0.00,0.00,320.80,1.66,174,100862  
05/01/2015 05:00:00,-0.30,79.94,0.00,-0.00,0.00,314.70,1.81,170,100895  
05/01/2015 06:00:00,0.62,74.62,12.00,0.00,12.00,308.95,1.75,172,100895  
05/01/2015 07:00:00,1.53,69.31,180.00,694.58,42.00,303.20,1.69,174,100895  
05/01/2015 08:00:00,2.45,63.99,318.00,739.57,76.00,297.45,1.63,176,100895  
05/01/2015 09:00:00,3.26,57.68,422.00,794.28,91.00,289.12,2.38,177,100839  
05/01/2015 10:00:00,4.08,51.36,475.00,821.91,96.00,280.78,3.14,179,100783  
05/01/2015 11:00:00,4.89,45.05,470.00,819.90,95.00,272.45,3.89,181,100727  
05/01/2015 12:00:00,4.57,45.99,405.00,771.46,92.00,266.73,3.51,184,100697  
05/01/2015 13:00:00,4.25,46.93,296.00,720.02,73.00,261.02,3.14,186,100667  
05/01/2015 14:00:00,3.94,47.87,146.00,545.86,50.00,255.30,2.76,189,100638  
05/01/2015 15:00:00,2.87,48.86,0.00,0.00,0.00,249.13,2.63,186,100720  
05/01/2015 16:00:00,1.80,49.86,0.00,-0.00,0.00,242.97,2.50,182,100803  
05/01/2015 17:00:00,0.73,50.85,0.00,-0.00,0.00,236.80,2.37,178,100885  
05/01/2015 18:00:00,0.10,51.77,0.00,-0.00,0.00,234.08,2.17,172,100892  
05/01/2015 19:00:00,-0.54,52.68,0.00,-0.00,0.00,231.37,1.98,166,100898  
05/01/2015 20:00:00,-1.17,53.60,0.00,-0.00,0.00,228.65,1.78,159,100905  
05/01/2015 21:00:00,-1.57,53.70,0.00,-0.00,0.00,225.08,2.03,154,100859  
05/01/2015 22:00:00,-1.97,53.80,0.00,-0.00,0.00,221.52,2.29,148,100812  
05/01/2015 23:00:00,-2.37,53.90,0.00,-0.00,0.00,217.95,2.54,143,100766  
06/01/2015 00:00:00,-2.42,52.72,0.00,-0.00,0.00,216.92,2.15,142,100697  
06/01/2015 01:00:00,-2.47,51.53,0.00,-0.00,0.00,215.88,1.77,141,100628  
06/01/2015 02:00:00,-2.51,50.35,0.00,-0.00,0.00,214.85,1.38,139,100558  
06/01/2015 03:00:00,-2.62,50.13,0.00,-0.00,0.00,214.07,1.12,140,100558  
06/01/2015 04:00:00,-2.73,49.90,0.00,-0.00,0.00,213.28,0.86,140,100558  
06/01/2015 05:00:00,-2.84,49.68,0.00,-0.00,0.00,212.50,0.59,141,100558  
06/01/2015 06:00:00,-1.12,50.39,19.00,174.53,12.00,211.33,0.73,150,100588  
06/01/2015 07:00:00,0.59,51.10,180.00,677.66,45.00,210.17,0.86,158,100618  
06/01/2015 08:00:00,2.30,51.81,236.00,249.92,154.00,209.00,0.99,167,100648  
06/01/2015 09:00:00,2.81,49.86,75.00,0.00,75.00,212.15,1.70,171,100634

06/01/2015 10:00:00,3.33,47.90,281.00,108.05,231.00,215.30,2.41,175,100621  
06/01/2015 11:00:00,3.84,45.95,420.00,548.60,168.00,218.45,3.12,179,100608  
06/01/2015 12:00:00,3.27,47.09,244.00,105.39,201.00,218.45,2.80,181,100681  
06/01/2015 13:00:00,2.70,48.24,36.00,0.00,36.00,218.45,2.48,182,100753  
06/01/2015 14:00:00,2.14,49.38,144.00,493.05,56.00,218.45,2.17,183,100826  
06/01/2015 15:00:00,1.14,49.32,0.00,0.00,0.00,219.25,2.11,177,100915  
06/01/2015 16:00:00,0.14,49.27,0.00,-0.00,0.00,220.05,2.05,171,101004  
06/01/2015 17:00:00,-0.86,49.21,0.00,-0.00,0.00,220.85,1.99,166,101093  
06/01/2015 18:00:00,-1.32,48.77,0.00,-0.00,0.00,217.73,1.79,160,101166  
06/01/2015 19:00:00,-1.79,48.34,0.00,-0.00,0.00,214.62,1.59,155,101238  
06/01/2015 20:00:00,-2.25,47.90,0.00,-0.00,0.00,211.50,1.39,149,101311  
06/01/2015 21:00:00,-2.43,49.50,0.00,-0.00,0.00,209.67,1.03,148,101344  
06/01/2015 22:00:00,-2.62,51.09,0.00,-0.00,0.00,207.83,0.66,146,101377  
06/01/2015 23:00:00,-2.80,52.69,0.00,-0.00,0.00,206.00,0.29,144,101410  
07/01/2015 00:00:00,-2.99,54.03,0.00,-0.00,0.00,204.98,0.43,147,101446  
07/01/2015 01:00:00,-3.17,55.38,0.00,-0.00,0.00,203.97,0.57,149,101482  
07/01/2015 02:00:00,-3.35,56.72,0.00,-0.00,0.00,202.95,0.72,152,101519  
07/01/2015 03:00:00,-3.50,56.53,0.00,-0.00,0.00,203.38,0.69,152,101598  
07/01/2015 04:00:00,-3.66,56.35,0.00,-0.00,0.00,203.82,0.67,152,101677  
07/01/2015 05:00:00,-3.81,56.16,0.00,-0.00,0.00,204.25,0.65,152,101756  
07/01/2015 06:00:00,-2.35,52.88,18.00,148.38,12.00,207.50,0.57,157,101842  
07/01/2015 07:00:00,-0.90,49.61,170.00,550.38,60.00,210.75,0.49,161,101928  
07/01/2015 08:00:00,0.55,46.33,318.00,729.23,78.00,214.00,0.41,165,102014  
07/01/2015 09:00:00,1.23,44.09,427.00,810.72,87.00,216.78,0.51,170,102004  
07/01/2015 10:00:00,1.91,41.84,483.00,852.50,87.00,219.57,0.62,176,101994  
07/01/2015 11:00:00,2.58,39.60,474.00,821.34,95.00,222.35,0.72,181,101984  
07/01/2015 12:00:00,2.33,43.25,413.00,787.10,90.00,222.30,1.03,189,102027  
07/01/2015 13:00:00,2.08,46.91,303.00,737.04,71.00,222.25,1.34,197,102070  
07/01/2015 14:00:00,1.83,50.56,153.00,574.04,49.00,222.20,1.66,205,102112  
07/01/2015 15:00:00,0.60,53.79,0.00,0.00,0.00,222.93,1.75,208,102205  
07/01/2015 16:00:00,-0.63,57.01,0.00,-0.00,0.00,223.67,1.85,212,102297  
07/01/2015 17:00:00,-1.85,60.24,0.00,-0.00,0.00,224.40,1.94,216,102390  
07/01/2015 18:00:00,-2.21,62.18,0.00,-0.00,0.00,224.02,1.76,218,102449  
07/01/2015 19:00:00,-2.58,64.12,0.00,-0.00,0.00,223.63,1.58,220,102508  
07/01/2015 20:00:00,-2.94,66.06,0.00,-0.00,0.00,223.25,1.39,221,102568  
07/01/2015 21:00:00,-3.06,67.16,0.00,-0.00,0.00,225.63,1.17,221,102591  
07/01/2015 22:00:00,-3.18,68.27,0.00,-0.00,0.00,228.02,0.95,221,102614  
07/01/2015 23:00:00,-3.30,69.37,0.00,-0.00,0.00,230.40,0.73,221,102637  
08/01/2015 00:00:00,-3.25,67.21,0.00,-0.00,0.00,228.42,0.70,224,102631  
08/01/2015 01:00:00,-3.20,65.04,0.00,-0.00,0.00,226.43,0.67,226,102624  
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22/01/2015 17:00:00,11.82,94.86,0.00,-0.00,0.00,291.55,2.52,294,100400  
22/01/2015 18:00:00,11.52,94.31,0.00,-0.00,0.00,294.72,2.25,298,100341  
22/01/2015 19:00:00,11.21,93.77,0.00,-0.00,0.00,297.88,1.97,302,100281  
22/01/2015 20:00:00,10.91,93.22,0.00,-0.00,0.00,301.05,1.70,306,100222  
22/01/2015 21:00:00,10.39,92.44,0.00,-0.00,0.00,295.87,2.06,310,100113  
22/01/2015 22:00:00,9.87,91.67,0.00,-0.00,0.00,290.68,2.42,314,100004  
22/01/2015 23:00:00,9.36,90.89,0.00,-0.00,0.00,285.50,2.79,318,99895  
23/01/2015 00:00:00,9.00,90.13,0.00,-0.00,0.00,287.53,2.40,330,99839  
23/01/2015 01:00:00,8.65,89.38,0.00,-0.00,0.00,289.57,2.00,343,99783

23/01/2015 02:00:00,8.30,88.62,0.00,-0.00,0.00,291.60,1.61,355,99727  
23/01/2015 03:00:00,7.87,89.74,0.00,-0.00,0.00,292.78,1.26,6,99724  
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23/01/2015 05:00:00,7.02,91.97,0.00,-0.00,0.00,295.15,0.57,29,99717  
23/01/2015 06:00:00,8.58,87.94,3.00,0.00,3.00,298.53,0.51,29,99724  
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23/01/2015 08:00:00,11.70,79.87,155.00,19.44,148.00,305.30,0.41,29,99737  
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24/01/2015 03:00:00,4.48,87.15,0.00,-0.00,0.00,287.70,0.63,37,99456  
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24/01/2015 05:00:00,4.35,84.06,0.00,-0.00,0.00,286.30,0.25,24,99450  
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24/01/2015 20:00:00,9.20,94.18,0.00,-0.00,0.00,331.35,0.54,350,99420  
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25/01/2015 05:00:00,6.02,93.45,0.00,-0.00,0.00,313.15,0.34,52,99549  
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25/01/2015 21:00:00,4.45,89.42,0.00,-0.00,0.00,264.32,1.19,130,100195  
25/01/2015 22:00:00,3.64,89.31,0.00,-0.00,0.00,261.43,1.18,130,100228  
25/01/2015 23:00:00,2.83,89.19,0.00,-0.00,0.00,258.55,1.17,130,100261  
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26/01/2015 03:00:00,2.80,82.89,0.00,-0.00,0.00,261.38,0.76,118,100466  
26/01/2015 04:00:00,2.49,83.42,0.00,-0.00,0.00,263.42,0.76,120,100502  
26/01/2015 05:00:00,2.19,83.94,0.00,-0.00,0.00,265.45,0.76,122,100539  
26/01/2015 06:00:00,4.49,83.54,24.00,44.87,21.00,269.95,0.82,148,100585  
26/01/2015 07:00:00,6.78,83.15,148.00,184.72,105.00,274.45,0.88,174,100631  
26/01/2015 08:00:00,9.08,82.75,187.00,51.51,168.00,278.95,0.94,200,100677  
26/01/2015 09:00:00,9.72,83.14,65.00,0.00,65.00,288.77,1.48,228,100644  
26/01/2015 10:00:00,10.36,83.53,48.00,0.00,48.00,298.58,2.01,256,100611  
26/01/2015 11:00:00,11.00,83.92,59.00,0.00,59.00,308.40,2.55,284,100578  
26/01/2015 12:00:00,10.78,85.70,67.00,0.00,67.00,302.42,2.39,282,100601  
26/01/2015 13:00:00,10.55,87.49,40.00,0.00,40.00,296.43,2.23,280,100624  
26/01/2015 14:00:00,10.33,89.27,121.00,61.08,106.00,290.45,2.07,278,100648  
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26/01/2015 16:00:00,7.81,91.60,0.00,-0.00,0.00,290.98,1.58,275,100654  
26/01/2015 17:00:00,6.55,92.76,0.00,-0.00,0.00,291.25,1.34,273,100657  
26/01/2015 18:00:00,6.11,93.88,0.00,-0.00,0.00,284.32,1.29,304,100651  
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27/01/2015 05:00:00,3.88,94.99,0.00,-0.00,0.00,257.75,0.17,111,100360

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27/01/2015 08:00:00,8.64,88.16,32.00,0.00,32.00,271.40,0.94,13,100281  
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27/01/2015 10:00:00,10.04,79.42,133.00,0.00,133.00,279.03,1.43,350,100103  
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27/01/2015 20:00:00,4.06,96.58,0.00,-0.00,0.00,257.15,0.32,127,99915  
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27/01/2015 22:00:00,2.57,95.76,0.00,-0.00,0.00,255.52,0.38,116,99875  
27/01/2015 23:00:00,1.83,95.35,0.00,-0.00,0.00,254.70,0.41,110,99856  
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29/01/2015 03:00:00,4.92,97.45,0.00,-0.00,0.00,325.58,1.88,244,99783  
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29/01/2015 11:00:00,10.21,96.45,200.00,3.77,198.00,313.85,1.54,210,99588  
29/01/2015 12:00:00,10.03,96.46,91.00,0.00,91.00,307.53,1.12,209,99595  
29/01/2015 13:00:00,9.84,96.48,187.00,35.82,173.00,301.22,0.69,208,99602  
29/01/2015 14:00:00,9.66,96.49,81.00,3.88,80.00,294.90,0.26,207,99608  
29/01/2015 15:00:00,8.73,97.14,25.00,10.73,24.00,295.42,0.46,201,99608  
29/01/2015 16:00:00,7.81,97.80,0.00,-0.00,0.00,295.93,0.65,195,99608  
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29/01/2015 20:00:00,6.19,98.56,0.00,-0.00,0.00,273.10,0.30,122,99519  
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30/01/2015 08:00:00,8.83,90.10,68.00,0.00,68.00,311.85,0.62,30,99113  
30/01/2015 09:00:00,9.35,86.82,383.00,333.29,223.00,314.97,1.42,27,99001  
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06/02/2009 08:00:00,11.28,81.79,403.00,750.24,97.00,326.75,2.41,67,99994  
06/02/2009 09:00:00,12.46,75.18,336.00,155.56,257.00,322.33,2.40,63,99902  
06/02/2009 10:00:00,13.65,68.56,232.00,10.69,226.00,317.92,2.38,58,99809  
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06/02/2009 12:00:00,14.39,68.64,75.00,0.00,75.00,310.83,1.88,20,99694  
06/02/2009 13:00:00,13.95,75.34,412.00,696.50,116.00,308.17,1.39,346,99671  
06/02/2009 14:00:00,13.51,82.03,230.00,392.16,116.00,305.50,0.91,312,99648  
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06/02/2009 16:00:00,10.62,88.44,0.00,-0.00,0.00,295.47,1.44,7,99687  
06/02/2009 17:00:00,9.18,91.65,0.00,-0.00,0.00,290.45,1.71,34,99707  
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06/02/2009 19:00:00,7.79,89.88,0.00,-0.00,0.00,284.28,1.89,46,99734  
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06/02/2009 23:00:00,6.92,94.17,0.00,-0.00,0.00,269.80,2.47,64,99668  
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08/02/2009 03:00:00,9.27,81.50,0.00,-0.00,0.00,323.08,2.31,28,98806  
08/02/2009 04:00:00,8.79,82.64,0.00,-0.00,0.00,326.67,2.24,32,98816  
08/02/2009 05:00:00,8.30,83.78,0.00,-0.00,0.00,330.25,2.17,35,98826  
08/02/2009 06:00:00,9.35,77.79,75.00,424.63,30.00,323.13,2.93,39,98856  
08/02/2009 07:00:00,10.40,71.79,249.00,619.53,78.00,316.02,3.69,44,98886  
08/02/2009 08:00:00,11.45,65.80,414.00,769.24,94.00,308.90,4.46,48,98915  
08/02/2009 09:00:00,11.60,61.08,534.00,821.11,110.00,312.47,4.70,49,98886  
08/02/2009 10:00:00,11.76,56.35,601.00,852.17,115.00,316.03,4.95,50,98856  
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08/02/2009 12:00:00,11.61,53.50,525.00,716.50,147.00,316.50,5.23,51,98846  
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08/02/2009 15:00:00,10.10,62.60,90.00,323.32,47.00,309.68,4.51,50,98932  
08/02/2009 16:00:00,9.18,67.96,0.00,-0.00,0.00,309.07,3.73,48,98978  
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13/02/2009 13:00:00,8.39,63.09,397.00,473.53,181.00,280.98,1.41,225,99351  
13/02/2009 14:00:00,8.79,61.77,246.00,343.00,136.00,275.55,1.94,247,99371  
13/02/2009 15:00:00,7.53,65.37,105.00,319.52,56.00,274.68,1.79,242,99374  
13/02/2009 16:00:00,6.26,68.96,0.00,-0.00,0.00,273.82,1.63,237,99377  
13/02/2009 17:00:00,5.00,72.56,0.00,-0.00,0.00,272.95,1.48,232,99381  
13/02/2009 18:00:00,4.48,72.71,0.00,-0.00,0.00,280.95,1.52,224,99371  
13/02/2009 19:00:00,3.97,72.85,0.00,-0.00,0.00,288.95,1.56,215,99361  
13/02/2009 20:00:00,3.46,73.00,0.00,-0.00,0.00,296.95,1.60,207,99351  
13/02/2009 21:00:00,3.33,70.99,0.00,-0.00,0.00,301.68,1.72,200,99328  
13/02/2009 22:00:00,3.20,68.98,0.00,-0.00,0.00,306.42,1.84,193,99305  
13/02/2009 23:00:00,3.08,66.97,0.00,-0.00,0.00,311.15,1.96,186,99282  
14/02/2009 00:00:00,2.44,64.98,0.00,-0.00,0.00,311.85,2.49,179,99308  
14/02/2009 01:00:00,1.81,62.99,0.00,-0.00,0.00,312.55,3.03,172,99334  
14/02/2009 02:00:00,1.17,61.00,0.00,-0.00,0.00,313.25,3.56,165,99361  
14/02/2009 03:00:00,1.00,60.72,0.00,-0.00,0.00,314.23,3.45,162,99367  
14/02/2009 04:00:00,0.83,60.45,0.00,-0.00,0.00,315.22,3.34,158,99374  
14/02/2009 05:00:00,0.66,60.17,0.00,-0.00,0.00,316.20,3.23,155,99381  
14/02/2009 06:00:00,1.87,59.51,15.00,0.00,15.00,306.73,3.09,157,99394  
14/02/2009 07:00:00,3.07,58.85,35.00,0.00,35.00,297.27,2.94,159,99407  
14/02/2009 08:00:00,4.27,58.19,39.00,0.00,39.00,287.80,2.80,162,99420  
14/02/2009 09:00:00,5.10,56.27,195.00,3.68,193.00,285.97,2.67,164,99400  
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14/02/2009 16:00:00,4.97,72.38,0.00,-0.00,0.00,290.50,0.99,197,99569  
14/02/2009 17:00:00,4.02,81.28,0.00,-0.00,0.00,288.70,0.69,194,99628  
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14/02/2009 20:00:00,2.81,86.83,0.00,-0.00,0.00,276.35,0.70,175,99767  
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15/02/2009 06:00:00,2.08,81.94,53.00,37.53,48.00,285.40,2.20,197,100162  
15/02/2009 07:00:00,2.93,78.53,148.00,49.17,133.00,282.55,2.49,199,100212  
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15/02/2009 16:00:00,3.29,74.01,0.00,-0.00,0.00,272.28,2.39,220,100446  
15/02/2009 17:00:00,2.09,76.33,0.00,-0.00,0.00,273.10,2.10,214,100509  
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15/02/2009 20:00:00,0.32,72.67,0.00,-0.00,0.00,260.25,1.21,176,100638  
15/02/2009 21:00:00,-0.41,71.63,0.00,-0.00,0.00,251.58,1.38,168,100674  
15/02/2009 22:00:00,-1.13,70.58,0.00,-0.00,0.00,242.92,1.54,160,100710  
15/02/2009 23:00:00,-1.85,69.54,0.00,-0.00,0.00,234.25,1.71,152,100747  
16/02/2009 00:00:00,-1.80,67.79,0.00,-0.00,0.00,244.83,1.74,157,100760  
16/02/2009 01:00:00,-1.74,66.05,0.00,-0.00,0.00,255.42,1.77,163,100773  
16/02/2009 02:00:00,-1.69,64.30,0.00,-0.00,0.00,266.00,1.81,168,100786  
16/02/2009 03:00:00,-2.13,65.45,0.00,-0.00,0.00,275.02,1.95,163,100819  
16/02/2009 04:00:00,-2.56,66.61,0.00,-0.00,0.00,284.03,2.10,158,100852  
16/02/2009 05:00:00,-3.00,67.76,0.00,-0.00,0.00,293.05,2.25,153,100885  
16/02/2009 06:00:00,-0.71,62.85,96.00,363.78,46.00,295.87,2.21,157,100898  
16/02/2009 07:00:00,1.58,57.93,279.00,607.48,91.00,298.68,2.17,162,100911  
16/02/2009 08:00:00,3.87,53.02,448.00,751.45,109.00,301.50,2.12,166,100925  
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16/02/2009 22:00:00,-0.13,62.48,0.00,-0.00,0.00,214.55,2.05,121,101014  
16/02/2009 23:00:00,-0.45,62.92,0.00,-0.00,0.00,212.70,2.08,120,101034  
17/02/2009 00:00:00,-0.73,62.42,0.00,-0.00,0.00,214.95,2.07,117,101034  
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17/02/2009 03:00:00,-1.06,63.36,0.00,-0.00,0.00,222.97,1.97,105,101037  
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20/02/2009 22:00:00,0.36,54.34,0.00,-0.00,0.00,227.88,2.35,148,100852  
20/02/2009 23:00:00,-0.05,54.44,0.00,-0.00,0.00,225.55,2.30,147,100895  
21/02/2009 00:00:00,-0.53,54.68,0.00,-0.00,0.00,226.42,2.27,150,100928  
21/02/2009 01:00:00,-1.01,54.93,0.00,-0.00,0.00,227.28,2.24,153,100961  
21/02/2009 02:00:00,-1.49,55.17,0.00,-0.00,0.00,228.15,2.21,156,100994  
21/02/2009 03:00:00,-1.55,55.62,0.00,-0.00,0.00,229.35,2.04,155,101027  
21/02/2009 04:00:00,-1.61,56.06,0.00,-0.00,0.00,230.55,1.87,154,101060  
21/02/2009 05:00:00,-1.68,56.51,0.00,-0.00,0.00,231.75,1.70,153,101093

21/02/2009 06:00:00,0.50,55.42,119.00,413.73,53.00,232.85,1.92,160,101109  
21/02/2009 07:00:00,2.67,54.33,307.00,646.61,92.00,233.95,2.14,166,101126  
21/02/2009 08:00:00,4.85,53.24,476.00,764.44,113.00,235.05,2.36,172,101142  
21/02/2009 09:00:00,6.10,51.03,593.00,792.20,136.00,235.72,2.31,175,101093  
21/02/2009 10:00:00,7.36,48.83,664.00,832.78,138.00,236.38,2.27,178,101043  
21/02/2009 11:00:00,8.61,46.62,675.00,864.10,126.00,237.05,2.22,182,100994  
21/02/2009 12:00:00,8.68,46.78,625.00,886.36,104.00,252.05,2.30,199,100981  
21/02/2009 13:00:00,8.75,46.94,499.00,788.25,111.00,267.05,2.39,216,100968  
21/02/2009 14:00:00,8.82,47.10,329.00,641.99,101.00,282.05,2.47,233,100954  
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21/02/2009 16:00:00,5.79,57.20,0.00,-0.00,0.00,283.85,1.99,240,100974  
21/02/2009 17:00:00,4.28,62.25,0.00,-0.00,0.00,284.75,1.75,243,100984  
21/02/2009 18:00:00,3.60,65.86,0.00,-0.00,0.00,283.85,1.82,242,100994  
21/02/2009 19:00:00,2.92,69.47,0.00,-0.00,0.00,282.95,1.88,241,101004  
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22/02/2009 05:00:00,0.01,79.65,0.00,-0.00,0.00,277.50,2.04,236,100826  
22/02/2009 06:00:00,1.71,81.41,44.00,0.00,44.00,280.10,2.28,242,100806  
22/02/2009 07:00:00,3.40,83.16,250.00,296.49,150.00,282.70,2.51,249,100786  
22/02/2009 08:00:00,5.09,84.92,178.00,6.25,175.00,285.30,2.74,255,100766  
22/02/2009 09:00:00,5.63,87.71,217.00,5.16,214.00,286.43,2.98,256,100714  
22/02/2009 10:00:00,6.18,90.50,286.00,17.28,275.00,287.57,3.22,257,100661  
22/02/2009 11:00:00,6.72,93.29,353.00,60.92,314.00,288.70,3.46,258,100608  
22/02/2009 12:00:00,6.04,93.36,305.00,43.88,279.00,293.25,3.52,253,100601  
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22/02/2009 19:00:00,1.85,95.84,0.00,-0.00,0.00,314.77,3.58,234,100608  
22/02/2009 20:00:00,1.64,95.84,0.00,-0.00,0.00,312.95,3.66,232,100618  
22/02/2009 21:00:00,1.43,95.38,0.00,-0.00,0.00,312.57,3.85,230,100611  
22/02/2009 22:00:00,1.23,94.93,0.00,-0.00,0.00,312.18,4.04,227,100605  
22/02/2009 23:00:00,1.03,94.47,0.00,-0.00,0.00,311.80,4.23,225,100598  
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23/02/2009 02:00:00,-0.39,92.94,0.00,-0.00,0.00,294.45,3.94,210,100558  
23/02/2009 03:00:00,-0.50,92.07,0.00,-0.00,0.00,294.35,3.81,208,100572  
23/02/2009 04:00:00,-0.61,91.20,0.00,-0.00,0.00,294.25,3.68,206,100585  
23/02/2009 05:00:00,-0.72,90.33,0.00,-0.00,0.00,294.15,3.54,204,100598  
23/02/2009 06:00:00,0.64,84.38,88.00,106.63,70.00,294.20,3.80,206,100595  
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23/02/2009 08:00:00,3.34,72.48,474.00,703.60,133.00,294.30,4.32,212,100588  
23/02/2009 09:00:00,4.24,69.85,448.00,267.58,291.00,285.17,4.09,212,100535  
23/02/2009 10:00:00,5.14,67.22,615.00,606.45,226.00,276.03,3.86,213,100483  
23/02/2009 11:00:00,6.04,64.59,558.00,418.61,288.00,266.90,3.63,213,100430  
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23/02/2009 13:00:00,6.11,58.14,382.00,283.31,240.00,259.67,3.26,215,100403  
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23/02/2009 16:00:00,2.82,60.15,0.00,0.00,0.00,238.05,2.77,205,100430  
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24/02/2009 05:00:00,-2.52,81.09,0.00,-0.00,0.00,231.25,1.48,156,100568  
24/02/2009 06:00:00,0.14,74.25,121.00,316.94,66.00,236.28,1.74,189,100585  
24/02/2009 07:00:00,2.79,67.40,311.00,579.31,110.00,241.32,2.00,221,100601  
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24/02/2009 09:00:00,6.43,57.29,604.00,770.64,148.00,249.07,2.42,256,100595  
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24/02/2009 12:00:00,8.17,52.62,609.00,747.72,159.00,260.53,2.93,260,100558  
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24/02/2009 16:00:00,4.65,64.76,0.00,0.00,0.00,260.47,2.48,247,100671  
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24/02/2009 18:00:00,2.39,71.76,0.00,-0.00,0.00,248.52,2.32,238,100750  
24/02/2009 19:00:00,1.64,74.55,0.00,-0.00,0.00,242.63,2.57,234,100783  
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25/02/2009 17:00:00,3.35,60.71,0.00,-0.00,0.00,262.70,2.34,221,101123  
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26/02/2009 06:00:00,1.51,68.74,139.00,414.94,63.00,244.90,2.54,188,101133  
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27/02/2009 05:00:00,-0.42,67.69,0.00,-0.00,0.00,221.35,1.86,126,100529  
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27/02/2009 08:00:00,8.01,51.85,512.00,792.65,112.00,236.95,2.01,144,100519  
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28/02/2009 00:00:00,1.77,66.14,0.00,-0.00,0.00,264.47,2.66,118,100380  
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28/02/2009 02:00:00,1.85,59.37,0.00,-0.00,0.00,277.30,2.80,137,100380  
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28/02/2009 04:00:00,1.73,61.61,0.00,-0.00,0.00,248.60,2.51,143,100492  
28/02/2009 05:00:00,1.66,62.73,0.00,-0.00,0.00,234.25,2.36,146,100549  
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28/02/2009 09:00:00,10.43,45.50,634.00,805.84,141.00,242.28,4.38,163,100697  
28/02/2009 10:00:00,11.28,42.49,708.00,860.16,135.00,243.37,4.56,163,100687  
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22/03/2009 02:00:00,4.88,95.36,0.00,-0.00,0.00,284.50,1.86,128,99638  
22/03/2009 03:00:00,5.31,94.86,0.00,-0.00,0.00,284.37,1.93,137,99677  
22/03/2009 04:00:00,5.74,94.37,0.00,-0.00,0.00,284.23,2.00,146,99717  
22/03/2009 05:00:00,6.17,93.87,34.00,8.70,33.00,284.10,2.07,155,99757  
22/03/2009 06:00:00,6.77,89.66,212.00,243.01,137.00,287.45,2.08,160,99806  
22/03/2009 07:00:00,7.37,85.46,386.00,365.34,210.00,290.80,2.09,164,99856  
22/03/2009 08:00:00,7.97,81.25,412.00,155.82,315.00,294.15,2.10,168,99905  
22/03/2009 09:00:00,8.65,77.14,551.00,263.40,361.00,295.58,2.05,174,99885

22/03/2009 10:00:00,9.34,73.04,414.00,51.85,374.00,297.02,2.00,180,99866  
22/03/2009 11:00:00,10.02,68.93,543.00,187.12,399.00,298.45,1.96,186,99846  
22/03/2009 12:00:00,10.02,67.33,518.00,213.79,365.00,301.58,2.11,204,99826  
22/03/2009 13:00:00,10.01,65.74,507.00,376.55,276.00,304.72,2.27,222,99806  
22/03/2009 14:00:00,10.01,64.14,222.00,36.17,205.00,307.85,2.43,240,99786  
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22/03/2009 17:00:00,6.91,72.13,0.00,-0.00,0.00,323.05,2.07,225,99935  
22/03/2009 18:00:00,6.45,72.29,0.00,-0.00,0.00,318.18,2.07,216,99974  
22/03/2009 19:00:00,5.99,72.45,0.00,-0.00,0.00,313.32,2.08,208,100014  
22/03/2009 20:00:00,5.54,72.61,0.00,-0.00,0.00,308.45,2.08,200,100054  
22/03/2009 21:00:00,5.16,71.81,0.00,-0.00,0.00,310.17,1.95,191,100047  
22/03/2009 22:00:00,4.79,71.00,0.00,-0.00,0.00,311.88,1.82,182,100040  
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23/03/2009 08:00:00,9.15,50.39,614.00,685.29,184.00,286.65,3.48,152,100034  
23/03/2009 09:00:00,10.30,47.62,750.00,791.96,175.00,279.15,3.82,151,99984  
23/03/2009 10:00:00,11.45,44.84,824.00,855.75,160.00,271.65,4.16,149,99935  
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23/03/2009 21:00:00,4.08,63.77,0.00,-0.00,0.00,235.27,2.99,101,100070  
23/03/2009 22:00:00,3.46,66.04,0.00,-0.00,0.00,233.88,3.14,90,100047  
23/03/2009 23:00:00,2.84,68.31,0.00,-0.00,0.00,232.50,3.30,80,100024  
24/03/2009 00:00:00,2.45,68.17,0.00,-0.00,0.00,232.37,3.31,75,99968  
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24/03/2009 03:00:00,2.74,69.32,0.00,-0.00,0.00,231.90,3.22,63,99839  
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24/03/2009 05:00:00,4.88,72.17,67.00,151.02,48.00,231.50,3.01,55,99806  
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24/03/2009 08:00:00,12.56,50.30,650.00,806.45,140.00,250.70,4.06,53,99697  
24/03/2009 09:00:00,13.30,47.32,771.00,852.58,148.00,257.45,4.89,59,99615  
24/03/2009 10:00:00,14.04,44.34,845.00,918.84,128.00,264.20,5.72,65,99532  
24/03/2009 11:00:00,14.78,41.36,842.00,917.93,128.00,270.95,6.55,71,99450



24/03/2009 12:00:00,14.35,42.12,773.00,894.35,126.00,275.23,6.41,69,99414  
24/03/2009 13:00:00,13.92,42.89,645.00,844.08,121.00,279.52,6.27,67,99377  
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24/03/2009 15:00:00,11.84,48.60,258.00,537.02,96.00,280.98,4.91,59,99328  
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24/03/2009 22:00:00,7.45,79.09,0.00,-0.00,0.00,286.42,2.55,44,99262  
24/03/2009 23:00:00,7.40,83.01,0.00,-0.00,0.00,286.10,2.57,44,99212  
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25/03/2009 04:00:00,8.83,83.05,0.00,-0.00,0.00,291.65,3.75,38,99146  
25/03/2009 05:00:00,9.45,83.21,88.00,342.92,43.00,297.20,4.15,36,99143  
25/03/2009 06:00:00,10.54,77.72,269.00,471.39,116.00,304.42,4.69,41,99123  
25/03/2009 07:00:00,11.63,72.23,477.00,681.84,138.00,311.63,5.24,46,99103  
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25/03/2009 13:00:00,10.85,81.65,318.00,44.84,290.00,329.67,5.37,59,98985  
25/03/2009 14:00:00,10.40,83.60,411.00,464.21,188.00,326.55,5.26,63,98975  
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25/03/2009 18:00:00,7.08,87.98,0.00,-0.00,0.00,284.68,2.71,79,99268  
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25/03/2009 20:00:00,6.00,87.42,0.00,-0.00,0.00,265.45,2.70,94,99480  
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25/03/2009 22:00:00,4.38,86.87,0.00,-0.00,0.00,257.18,2.22,97,99592  
25/03/2009 23:00:00,3.57,86.60,0.00,-0.00,0.00,253.05,1.97,99,99648  
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26/03/2009 08:00:00,9.63,67.04,572.00,490.54,257.00,288.80,1.89,79,99955  
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28/03/2009 07:00:00,11.13,60.55,504.00,739.70,125.00,250.18,0.95,25,100902  
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28/03/2009 09:00:00,14.98,49.72,792.00,857.14,150.00,260.93,0.81,345,100918  
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28/03/2009 11:00:00,17.04,45.71,857.00,906.93,137.00,270.60,1.54,318,100885  
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28/03/2009 13:00:00,17.38,49.21,661.00,850.41,121.00,274.87,2.22,312,100826  
28/03/2009 14:00:00,17.55,50.96,498.00,837.90,87.00,277.00,2.55,308,100796  
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28/03/2009 19:00:00,9.19,84.60,0.00,-0.00,0.00,262.63,3.33,333,101034  
28/03/2009 20:00:00,8.57,88.86,0.00,-0.00,0.00,260.10,3.27,342,101093  
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29/03/2009 03:00:00,8.17,92.07,0.00,-0.00,0.00,272.13,2.27,13,100977  
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31/03/2009 06:00:00,17.03,74.64,150.00,25.29,141.00,336.47,1.89,127,100694  
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19/05/2015 09:00:00,24.99,50.95,83.00,0.00,83.00,334.12,2.64,235,99935  
19/05/2015 10:00:00,25.54,47.19,132.00,0.00,132.00,339.83,3.58,244,99875  
19/05/2015 11:00:00,26.10,43.42,172.00,0.00,172.00,345.55,4.51,253,99816  
19/05/2015 12:00:00,25.78,43.56,785.00,532.25,323.00,348.82,4.11,253,99783  
19/05/2015 13:00:00,25.47,43.71,762.00,776.14,169.00,352.08,3.70,252,99750  
19/05/2015 14:00:00,25.15,43.85,556.00,560.47,207.00,355.35,3.30,252,99717  
19/05/2015 15:00:00,23.78,50.18,402.00,597.41,131.00,352.42,2.86,233,99720  
19/05/2015 16:00:00,22.41,56.52,153.00,145.33,114.00,349.48,2.42,215,99724  
19/05/2015 17:00:00,21.05,62.85,39.00,163.54,26.00,346.55,1.99,196,99727

19/05/2015 18:00:00,20.13,67.07,0.00,-0.00,0.00,343.03,1.59,181,99763  
19/05/2015 19:00:00,19.21,71.29,0.00,-0.00,0.00,339.52,1.20,165,99800  
19/05/2015 20:00:00,18.29,75.51,0.00,-0.00,0.00,336.00,0.80,150,99836  
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20/05/2015 18:00:00,20.68,60.53,0.00,-0.00,0.00,336.85,1.50,117,100123  
20/05/2015 19:00:00,19.55,66.02,0.00,-0.00,0.00,332.10,1.38,102,100172  
20/05/2015 20:00:00,18.41,71.50,0.00,-0.00,0.00,327.35,1.26,88,100222  
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20/05/2015 22:00:00,17.38,76.56,0.00,-0.00,0.00,323.78,1.05,83,100209  
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21/05/2015 00:00:00,16.30,80.44,0.00,-0.00,0.00,324.55,0.96,81,100212  
21/05/2015 01:00:00,15.74,81.80,0.00,-0.00,0.00,327.10,0.97,82,100222  
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21/05/2015 03:00:00,16.64,80.22,0.00,-0.00,0.00,339.93,0.89,85,100261  
21/05/2015 04:00:00,18.11,77.30,74.00,65.72,63.00,350.22,0.80,87,100291  
21/05/2015 05:00:00,19.57,74.37,292.00,491.91,117.00,360.50,0.72,88,100321  
21/05/2015 06:00:00,22.36,63.99,490.00,635.66,150.00,361.55,0.78,97,100334  
21/05/2015 07:00:00,25.15,53.62,661.00,682.98,188.00,362.60,0.85,106,100347  
21/05/2015 08:00:00,27.94,43.24,589.00,227.37,403.00,363.65,0.91,115,100360  
21/05/2015 09:00:00,28.78,38.64,602.00,159.51,458.00,364.68,0.74,114,100331  
21/05/2015 10:00:00,29.63,34.04,512.00,60.57,455.00,365.72,0.56,112,100301  
21/05/2015 11:00:00,30.47,29.44,890.00,641.88,293.00,366.75,0.39,111,100271  
21/05/2015 12:00:00,30.03,31.25,661.00,276.76,420.00,376.97,0.51,110,100275  
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21/05/2015 20:00:00,21.41,65.78,0.00,-0.00,0.00,348.95,1.50,337,100341  
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22/05/2015 02:00:00,17.70,75.07,0.00,-0.00,0.00,324.00,0.25,16,100331  
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22/05/2015 04:00:00,21.43,67.81,16.00,0.00,16.00,334.13,0.54,346,100318  
22/05/2015 05:00:00,23.30,64.18,52.00,0.00,52.00,339.20,0.69,331,100311  
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22/05/2015 09:00:00,30.63,48.03,179.00,0.00,179.00,375.90,2.35,302,100281  
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25/05/2015 22:00:00,15.41,52.72,0.00,-0.00,0.00,302.08,2.70,72,99836  
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26/05/2015 04:00:00,16.30,63.40,105.00,210.01,68.00,304.05,1.41,87,99849  
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26/05/2015 14:00:00,28.61,26.14,463.00,264.72,295.00,353.25,1.59,343,99519  
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26/05/2015 16:00:00,24.44,37.38,134.00,63.45,116.00,350.68,2.24,332,99493  
26/05/2015 17:00:00,22.36,43.00,42.00,103.68,32.00,349.40,2.57,327,99480  
26/05/2015 18:00:00,21.22,49.74,0.00,-0.00,0.00,343.02,2.01,344,99489  
26/05/2015 19:00:00,20.08,56.48,0.00,-0.00,0.00,336.63,1.45,2,99499  
26/05/2015 20:00:00,18.94,63.22,0.00,-0.00,0.00,330.25,0.90,20,99509  
26/05/2015 21:00:00,18.34,64.91,0.00,-0.00,0.00,326.42,0.65,33,99483  
26/05/2015 22:00:00,17.73,66.61,0.00,-0.00,0.00,322.58,0.40,47,99456  
26/05/2015 23:00:00,17.12,68.30,0.00,-0.00,0.00,318.75,0.15,60,99430  
27/05/2015 00:00:00,16.32,72.88,0.00,-0.00,0.00,317.83,0.32,70,99443  
27/05/2015 01:00:00,15.53,77.47,0.00,-0.00,0.00,316.92,0.48,80,99456  
27/05/2015 02:00:00,14.73,82.05,0.00,-0.00,0.00,316.00,0.65,90,99470  
27/05/2015 03:00:00,16.35,75.70,0.00,-0.00,0.00,316.53,0.56,95,99480  
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27/05/2015 05:00:00,19.58,63.00,41.00,0.00,41.00,317.60,0.39,106,99499  
27/05/2015 06:00:00,20.76,60.43,153.00,0.00,153.00,324.68,0.67,101,99493  
27/05/2015 07:00:00,21.94,57.85,357.00,51.47,321.00,331.77,0.95,96,99486  
27/05/2015 08:00:00,23.12,55.28,500.00,110.40,409.00,338.85,1.23,90,99480  
27/05/2015 09:00:00,23.01,61.70,466.00,45.11,425.00,350.58,1.07,96,99463  
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28/05/2015 02:00:00,14.26,89.12,0.00,-0.00,0.00,318.90,0.57,147,99935  
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28/05/2015 04:00:00,15.68,87.70,11.00,0.00,11.00,329.73,1.45,158,100034  
28/05/2015 05:00:00,16.39,86.99,63.00,0.00,63.00,335.15,1.89,164,100083  
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28/05/2015 07:00:00,17.19,87.53,169.00,0.00,169.00,342.98,1.69,176,100143  
28/05/2015 08:00:00,17.59,87.80,122.00,0.00,122.00,346.90,1.59,182,100172  
28/05/2015 09:00:00,17.90,89.33,115.00,0.00,115.00,355.07,1.85,182,100156  
28/05/2015 10:00:00,18.20,90.87,220.00,0.00,220.00,363.23,2.11,183,100139  
28/05/2015 11:00:00,18.51,92.40,261.00,0.00,261.00,371.40,2.37,183,100123  
28/05/2015 12:00:00,18.56,90.08,252.00,0.00,252.00,364.97,2.27,184,100133  
28/05/2015 13:00:00,18.62,87.77,482.00,126.11,384.00,358.53,2.17,184,100143  
28/05/2015 14:00:00,18.67,85.45,161.00,0.00,161.00,352.10,2.07,184,100153  
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28/05/2015 22:00:00,13.52,86.39,0.00,-0.00,0.00,327.98,0.99,153,100192  
28/05/2015 23:00:00,13.42,86.58,0.00,-0.00,0.00,324.30,0.86,153,100192  
29/05/2015 00:00:00,13.07,83.62,0.00,-0.00,0.00,320.15,0.96,156,100195  
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29/05/2015 05:00:00,15.52,78.99,84.00,0.00,84.00,319.05,1.70,167,100360  
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29/05/2015 09:00:00,20.93,59.29,482.00,53.82,433.00,329.67,1.26,201,100360  
29/05/2015 10:00:00,21.81,57.65,745.00,309.85,451.00,333.03,1.37,209,100331  
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29/05/2015 22:00:00,16.64,73.41,0.00,-0.00,0.00,329.17,0.79,338,100433  
29/05/2015 23:00:00,16.43,72.80,0.00,-0.00,0.00,324.95,0.62,355,100430  
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30/05/2015 03:00:00,14.54,79.97,0.00,-0.00,0.00,313.85,0.53,175,100522



30/05/2015 04:00:00,16.67,73.18,93.00,115.64,72.00,315.35,0.63,202,100555  
30/05/2015 05:00:00,18.81,66.38,284.00,396.72,138.00,316.85,0.72,229,100588  
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30/05/2015 13:00:00,26.40,35.21,774.00,765.70,177.00,357.62,1.92,236,100430  
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31/05/2015 04:00:00,18.07,73.75,96.00,125.88,73.00,295.70,0.55,67,100634  
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02/06/2011 09:00:00,26.46,67.77,910.00,765.62,211.00,364.13,0.66,253,100456  
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02/06/2011 23:00:00,18.44,95.61,0.00,-0.00,0.00,352.50,0.26,171,100529  
03/06/2011 00:00:00,17.92,94.93,0.00,-0.00,0.00,352.48,0.39,158,100512  
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03/06/2011 04:00:00,20.94,86.73,95.00,113.16,74.00,354.62,0.97,184,100545  
03/06/2011 05:00:00,22.96,83.32,291.00,428.22,132.00,355.70,1.13,210,100578  
03/06/2011 06:00:00,23.48,83.08,434.00,388.51,221.00,360.90,1.08,230,100588  
03/06/2011 07:00:00,24.01,82.83,673.00,707.06,175.00,366.10,1.02,250,100598

03/06/2011 08:00:00,24.53,82.59,803.00,710.57,214.00,371.30,0.97,269,100608  
03/06/2011 09:00:00,24.34,86.05,695.00,284.62,435.00,373.57,0.74,273,100611  
03/06/2011 10:00:00,24.16,89.51,222.00,0.00,222.00,375.83,0.51,276,100615  
03/06/2011 11:00:00,23.98,92.97,372.00,7.42,365.00,378.10,0.28,280,100618  
03/06/2011 12:00:00,24.06,89.62,150.00,0.00,150.00,378.67,0.63,278,100588  
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03/06/2011 14:00:00,24.21,82.92,122.00,0.00,122.00,379.80,1.32,274,100529  
03/06/2011 15:00:00,22.81,85.56,173.00,8.32,169.00,377.93,1.38,243,100549  
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03/06/2011 19:00:00,19.02,96.56,0.00,-0.00,0.00,371.07,0.70,183,100654  
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03/06/2011 22:00:00,19.04,99.63,0.00,-0.00,0.00,373.20,0.63,193,100674  
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05/06/2011 11:00:00,30.58,39.38,882.00,605.79,310.00,363.30,1.78,258,100400  
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05/06/2011 13:00:00,29.73,40.67,710.00,565.77,265.00,376.40,2.15,283,100314  
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17/06/2011 13:00:00,28.26,45.84,459.00,92.92,385.00,362.33,0.58,175,100572  
17/06/2011 14:00:00,27.97,46.16,621.00,685.48,168.00,361.90,0.48,165,100519  
17/06/2011 15:00:00,26.49,48.16,359.00,289.44,215.00,361.50,0.91,170,100522  
17/06/2011 16:00:00,25.00,50.17,265.00,563.75,86.00,361.10,1.33,176,100525  
17/06/2011 17:00:00,23.52,52.17,67.00,135.20,49.00,360.70,1.75,182,100529  
17/06/2011 18:00:00,22.66,57.82,0.00,-0.00,0.00,356.17,1.67,154,100555  
17/06/2011 19:00:00,21.81,63.46,0.00,-0.00,0.00,351.63,1.60,126,100582  
17/06/2011 20:00:00,20.95,69.11,0.00,-0.00,0.00,347.10,1.52,98,100608  
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17/06/2011 22:00:00,20.08,79.07,0.00,-0.00,0.00,336.60,0.82,100,100562  
17/06/2011 23:00:00,19.65,84.05,0.00,-0.00,0.00,331.35,0.47,100,100539  
18/06/2011 00:00:00,19.21,85.41,0.00,-0.00,0.00,330.88,0.57,100,100519  
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18/06/2011 02:00:00,18.34,88.12,0.00,-0.00,0.00,329.95,0.79,98,100479  
18/06/2011 03:00:00,20.25,82.93,0.00,0.00,0.00,331.92,0.80,103,100502  
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18/06/2011 08:00:00,29.02,50.35,834.00,811.70,160.00,359.30,0.81,311,100529  
18/06/2011 09:00:00,29.48,48.16,942.00,856.68,157.00,366.98,0.75,259,100502  
18/06/2011 10:00:00,29.94,45.97,970.00,806.58,198.00,374.67,0.69,207,100476  
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18/06/2011 12:00:00,30.58,42.11,701.00,323.90,411.00,384.67,0.77,176,100390  
18/06/2011 13:00:00,30.75,40.44,624.00,336.27,356.00,386.98,0.92,197,100331  
18/06/2011 14:00:00,30.92,38.77,531.00,391.50,272.00,389.30,1.08,218,100271  
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19/06/2011 00:00:00,19.33,83.33,0.00,-0.00,0.00,336.12,1.16,71,100242  
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19/06/2011 10:00:00,31.59,39.86,1002.00,902.67,138.00,361.57,2.68,51,100083  
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19/06/2011 15:00:00,29.49,41.77,450.00,641.15,130.00,365.20,3.31,46,99859  
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20/06/2011 12:00:00,33.86,38.47,822.00,580.32,302.00,367.20,2.91,244,100116  
20/06/2011 13:00:00,33.93,38.67,799.00,813.29,150.00,371.45,3.79,248,100110  
20/06/2011 14:00:00,34.00,38.88,637.00,740.75,146.00,375.70,4.68,252,100103  
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21/06/2011 04:00:00,24.44,84.24,25.00,0.00,25.00,359.02,3.22,242,100766  
21/06/2011 05:00:00,25.53,83.71,141.00,16.17,135.00,360.35,3.68,245,100836  
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21/06/2011 22:00:00,22.69,75.77,0.00,-0.00,0.00,348.90,0.80,208,100984  
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24/06/2011 04:00:00,23.73,59.75,103.00,162.50,73.00,314.25,0.70,189,100502  
24/06/2011 05:00:00,25.67,58.73,287.00,417.35,133.00,316.40,0.72,195,100499  
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24/06/2011 14:00:00,34.97,38.83,633.00,714.48,158.00,365.50,1.34,247,100093  
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24/06/2011 18:00:00,29.68,58.68,0.00,-0.00,0.00,356.45,2.25,323,100047  
24/06/2011 19:00:00,28.37,62.84,0.00,-0.00,0.00,352.45,1.72,349,100060  
24/06/2011 20:00:00,27.05,67.01,0.00,-0.00,0.00,348.45,1.20,16,100073  
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24/06/2011 22:00:00,25.59,71.26,0.00,-0.00,0.00,344.82,1.33,48,100021  
24/06/2011 23:00:00,24.87,73.39,0.00,-0.00,0.00,343.00,1.39,64,99994  
25/06/2011 00:00:00,23.66,76.50,0.00,-0.00,0.00,340.52,1.03,71,99981  
25/06/2011 01:00:00,22.46,79.60,0.00,-0.00,0.00,338.03,0.66,78,99968  
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25/06/2011 03:00:00,23.19,77.22,0.00,0.00,0.00,337.77,0.23,105,99968  
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25/06/2011 06:00:00,29.24,60.14,485.00,594.79,161.00,350.67,0.37,176,99981  
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25/06/2011 08:00:00,33.55,47.96,812.00,750.33,191.00,367.60,0.90,235,99955  
25/06/2011 09:00:00,34.54,44.81,914.00,778.42,202.00,373.75,1.42,216,99908  
25/06/2011 10:00:00,35.53,41.65,979.00,837.31,178.00,379.90,1.94,196,99862  
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25/06/2011 23:00:00,22.53,58.68,0.00,-0.00,0.00,370.40,4.40,188,100420  
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26/06/2011 04:00:00,21.01,52.39,32.00,0.00,32.00,372.50,3.11,194,100585  
26/06/2011 05:00:00,21.29,46.77,164.00,40.84,149.00,368.50,3.31,190,100618

26/06/2011 06:00:00,22.41,43.08,506.00,693.12,129.00,360.65,3.42,193,100611  
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26/06/2011 08:00:00,24.64,35.70,821.00,779.84,176.00,344.95,3.64,199,100598  
26/06/2011 09:00:00,25.59,33.86,918.00,792.96,193.00,342.58,3.83,202,100568  
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26/06/2011 12:00:00,27.48,29.85,903.00,802.42,183.00,345.63,3.81,215,100473  
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26/06/2011 14:00:00,27.41,29.18,633.00,715.26,157.00,361.20,3.05,228,100400  
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26/06/2011 19:00:00,21.22,41.17,0.00,-0.00,0.00,323.00,0.97,209,100565  
26/06/2011 20:00:00,20.15,41.60,0.00,-0.00,0.00,315.35,0.51,189,100608  
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27/06/2011 00:00:00,17.74,40.52,0.00,-0.00,0.00,297.88,2.86,168,100578  
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27/06/2011 05:00:00,20.93,46.20,308.00,548.75,107.00,305.50,0.97,173,100667  
27/06/2011 06:00:00,22.17,42.46,499.00,666.60,137.00,309.25,1.20,177,100634  
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27/06/2011 12:00:00,27.48,28.74,898.00,787.88,191.00,317.35,1.83,184,100331  
27/06/2011 13:00:00,27.75,28.41,784.00,754.80,180.00,318.65,1.61,188,100281  
27/06/2011 14:00:00,28.02,28.07,627.00,687.95,169.00,319.95,1.39,191,100232  
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28/06/2011 12:00:00,29.02,28.85,763.00,441.29,367.00,337.75,2.00,153,99826  
28/06/2011 13:00:00,28.80,28.99,758.00,670.96,221.00,342.05,1.80,160,99786  
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28/06/2011 15:00:00,26.90,31.87,465.00,693.33,116.00,351.08,1.88,185,99760  
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28/06/2011 19:00:00,21.89,43.65,0.00,-0.00,0.00,347.75,1.87,214,99866  
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29/06/2011 04:00:00,21.01,60.49,21.00,0.00,21.00,311.82,2.33,134,99862  
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23/07/2015 23:00:00,24.64,61.07,0.00,-0.00,0.00,329.05,0.40,216,99984  
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24/07/2015 01:00:00,22.90,61.83,0.00,-0.00,0.00,322.88,0.57,211,99991  
24/07/2015 02:00:00,22.03,62.21,0.00,-0.00,0.00,319.80,0.65,208,99994  
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24/07/2015 05:00:00,27.44,60.67,267.00,542.70,92.00,325.95,0.19,242,100024  
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24/07/2015 09:00:00,34.62,36.96,898.00,813.28,174.00,356.68,1.14,256,99948  
24/07/2015 10:00:00,35.76,33.23,953.00,827.65,178.00,360.52,1.77,258,99902  
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24/07/2015 12:00:00,36.74,30.34,889.00,810.78,174.00,366.15,3.10,265,99823  
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31/07/2015 06:00:00,32.19,45.11,347.00,269.10,215.00,384.18,0.73,174,99767  
31/07/2015 07:00:00,34.10,40.38,347.00,68.77,302.00,394.02,1.03,186,99776  
31/07/2015 08:00:00,36.02,35.65,519.00,170.23,385.00,403.85,1.32,199,99786  
31/07/2015 09:00:00,36.98,34.42,869.00,754.49,205.00,409.38,1.81,202,99786  
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31/07/2015 11:00:00,38.90,31.95,926.00,782.72,203.00,420.45,2.77,208,99786  
31/07/2015 12:00:00,38.84,30.30,860.00,752.75,204.00,421.65,3.16,220,99750  
31/07/2015 13:00:00,38.79,28.65,716.00,620.54,236.00,422.85,3.54,232,99714  
31/07/2015 14:00:00,38.73,27.00,578.00,606.43,192.00,424.05,3.93,244,99677  
31/07/2015 15:00:00,37.25,31.19,340.00,291.63,203.00,415.38,3.36,249,99707

31/07/2015 16:00:00,32.44,45.82,135.00,63.23,117.00,398.35,2.03,254,99737  
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31/07/2015 19:00:00,30.06,51.20,0.00,-0.00,0.00,385.47,1.70,237,99879  
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01/08/2014 09:00:00,29.68,51.77,897.00,858.77,144.00,369.82,1.26,163,99819  
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01/08/2014 17:00:00,26.17,52.63,46.00,159.26,32.00,392.80,2.07,208,99895  
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01/08/2014 19:00:00,24.80,61.07,0.00,-0.00,0.00,375.97,1.42,212,99988  
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02/08/2014 05:00:00,26.39,64.03,244.00,526.73,86.00,355.65,0.73,131,100133  
02/08/2014 06:00:00,28.19,56.89,443.00,681.42,113.00,365.02,0.89,143,100136  
02/08/2014 07:00:00,29.98,49.75,624.00,750.73,137.00,374.38,1.04,155,100139  
02/08/2014 08:00:00,31.78,42.61,783.00,822.22,140.00,383.75,1.20,167,100143  
02/08/2014 09:00:00,32.86,39.47,895.00,858.12,144.00,388.95,1.09,168,100110  
02/08/2014 10:00:00,33.94,36.32,951.00,874.39,145.00,394.15,0.97,169,100077  
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02/08/2014 14:00:00,34.91,27.67,614.00,782.69,121.00,407.40,0.32,172,99866  
02/08/2014 15:00:00,32.89,31.23,421.00,670.48,111.00,402.73,1.14,201,99889  
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03/08/2014 09:00:00,34.08,38.12,889.00,842.62,153.00,390.92,1.44,169,99902  
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03/08/2014 19:00:00,26.92,60.36,0.00,-0.00,0.00,382.40,0.87,216,99905  
03/08/2014 20:00:00,26.00,64.91,0.00,-0.00,0.00,376.05,0.48,213,99945  
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03/08/2014 22:00:00,24.81,69.73,0.00,-0.00,0.00,370.42,0.44,201,99925  
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04/08/2014 15:00:00,28.52,44.42,224.00,56.89,198.00,406.97,1.54,225,99710  
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07/08/2014 04:00:00,23.42,73.38,22.00,0.00,22.00,346.48,0.68,167,100110  
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22/08/2014 19:00:00,26.33,56.01,0.00,-0.00,0.00,362.50,1.83,7,100205  
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24/08/2014 09:00:00,32.48,49.26,825.00,777.61,181.00,360.57,4.02,245,100384  
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29/08/2014 08:00:00,27.92,45.76,501.00,209.03,350.00,349.35,2.47,231,100766  
29/08/2014 09:00:00,28.95,42.21,595.00,246.77,394.00,353.33,2.49,230,100704  
29/08/2014 10:00:00,29.99,38.67,591.00,191.14,427.00,357.32,2.51,229,100641  
29/08/2014 11:00:00,31.02,35.12,698.00,382.39,373.00,361.30,2.52,228,100578  
29/08/2014 12:00:00,30.34,36.99,513.00,151.76,393.00,364.12,2.86,232,100542  
29/08/2014 13:00:00,29.66,38.87,573.00,433.86,276.00,366.93,3.19,236,100506  
29/08/2014 14:00:00,28.98,40.74,490.00,623.88,154.00,369.75,3.52,240,100469  
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29/08/2014 16:00:00,26.50,46.20,124.00,408.17,55.00,366.32,3.05,244,100496  
29/08/2014 17:00:00,25.26,48.93,0.00,-0.00,0.00,364.60,2.81,246,100509  
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29/08/2014 20:00:00,22.65,58.01,0.00,-0.00,0.00,342.70,0.87,237,100558  
29/08/2014 21:00:00,22.38,59.90,0.00,-0.00,0.00,339.67,0.88,235,100525  
29/08/2014 22:00:00,22.11,61.79,0.00,-0.00,0.00,336.63,0.89,232,100492  
29/08/2014 23:00:00,21.84,63.68,0.00,-0.00,0.00,333.60,0.90,230,100459  
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30/08/2014 06:00:00,25.48,63.01,362.00,574.86,122.00,333.95,0.31,243,100413  
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30/08/2014 08:00:00,29.05,47.80,697.00,725.34,175.00,348.85,0.57,250,100380  
30/08/2014 09:00:00,30.16,44.44,804.00,760.18,187.00,354.72,0.98,235,100318  
30/08/2014 10:00:00,31.28,41.08,851.00,761.47,200.00,360.58,1.39,219,100255  
30/08/2014 11:00:00,32.39,37.72,837.00,745.40,206.00,366.45,1.81,203,100192  
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30/08/2014 14:00:00,31.64,37.37,486.00,621.53,154.00,393.00,3.27,246,100083  
30/08/2014 15:00:00,29.77,42.60,303.00,539.05,110.00,385.63,3.24,260,100090  
30/08/2014 16:00:00,27.89,47.84,118.00,377.83,56.00,378.27,3.21,273,100097  
30/08/2014 17:00:00,26.02,53.07,0.00,-0.00,0.00,370.90,3.19,286,100103  
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31/08/2014 05:00:00,23.73,76.38,160.00,355.33,80.00,342.70,1.02,324,99984  
31/08/2014 06:00:00,25.53,67.91,358.00,566.51,123.00,353.47,1.29,328,99965  
31/08/2014 07:00:00,27.33,59.44,551.00,702.08,142.00,364.23,1.56,332,99945  
31/08/2014 08:00:00,29.13,50.97,706.00,767.18,156.00,375.00,1.83,336,99925  
31/08/2014 09:00:00,29.23,49.02,815.00,803.72,165.00,380.28,2.33,350,99862  
31/08/2014 10:00:00,29.34,47.07,867.00,819.47,169.00,385.57,2.82,4,99800  
31/08/2014 11:00:00,29.45,45.12,862.00,831.49,161.00,390.85,3.31,18,99737  
31/08/2014 12:00:00,28.93,43.56,791.00,810.73,156.00,394.27,3.37,358,99701  
31/08/2014 13:00:00,28.42,42.00,480.00,230.65,324.00,397.68,3.43,338,99664  
31/08/2014 14:00:00,27.90,40.44,351.00,190.67,250.00,401.10,3.49,318,99628  
31/08/2014 15:00:00,26.63,45.71,240.00,243.44,154.00,397.75,3.31,314,99631  
31/08/2014 16:00:00,23.13,57.74,92.00,176.00,64.00,385.82,2.31,309,99635  
31/08/2014 17:00:00,23.03,60.47,0.00,-0.00,0.00,383.33,2.28,305,99638  
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31/08/2014 21:00:00,22.65,71.40,0.00,-0.00,0.00,373.37,2.18,322,99638

31/08/2014 22:00:00,22.55,74.13,0.00,-0.00,0.00,370.88,2.15,320,99608  
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01/09/2009 04:00:00,21.97,90.51,0.00,0.00,0.00,355.94,1.99,225,100951  
01/09/2009 05:00:00,21.87,93.25,15.00,0.00,15.00,353.45,1.97,227,100994  
01/09/2009 06:00:00,21.78,95.98,381.00,701.50,90.00,350.96,1.94,231,101020  
01/09/2009 07:00:00,21.68,98.71,408.00,235.17,271.00,348.47,1.92,235,101047  
01/09/2009 08:00:00,24.34,90.71,667.00,627.69,217.00,366.45,2.46,239,101073  
01/09/2009 09:00:00,24.93,86.01,706.00,484.71,314.00,369.75,2.41,238,101040  
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01/09/2009 11:00:00,26.12,76.61,739.00,482.76,332.00,376.35,2.33,235,100974  
01/09/2009 12:00:00,26.30,73.61,779.00,769.88,176.00,380.55,2.50,244,100911  
01/09/2009 13:00:00,26.48,70.60,618.00,592.88,217.00,384.75,2.66,254,100849  
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02/09/2009 03:00:00,20.13,83.24,0.00,-0.00,0.00,341.48,2.45,292,100717  
02/09/2009 04:00:00,21.33,81.19,0.00,0.00,0.00,340.77,2.13,298,100727  
02/09/2009 05:00:00,22.52,79.13,111.00,94.44,90.00,340.05,1.82,303,100737  
02/09/2009 06:00:00,24.23,71.22,356.00,565.35,123.00,346.32,1.54,309,100723  
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02/09/2009 12:00:00,31.37,42.99,795.00,839.11,141.00,389.58,0.54,178,100450  
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02/09/2009 20:00:00,23.66,69.21,0.00,-0.00,0.00,357.60,2.32,338,100380  
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03/09/2009 05:00:00,23.29,73.87,126.00,159.40,91.00,360.85,0.68,53,100341  
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04/09/2009 06:00:00,26.18,60.33,356.00,595.06,114.00,362.15,1.34,127,100304  
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04/09/2009 13:00:00,33.78,32.33,659.00,789.62,135.00,388.40,1.11,297,100153  
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05/09/2009 17:00:00,27.20,50.80,0.00,-0.00,0.00,381.40,2.17,310,100014  
05/09/2009 18:00:00,26.16,54.47,0.00,-0.00,0.00,375.73,2.09,338,100027  
05/09/2009 19:00:00,25.12,58.13,0.00,-0.00,0.00,370.07,2.02,6,100040  
05/09/2009 20:00:00,24.07,61.80,0.00,-0.00,0.00,364.40,1.94,34,100054  
05/09/2009 21:00:00,23.66,64.23,0.00,-0.00,0.00,361.42,2.17,45,100024  
05/09/2009 22:00:00,23.25,66.66,0.00,-0.00,0.00,358.43,2.40,56,99994  
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06/09/2009 06:00:00,25.92,56.98,119.00,2.49,118.00,395.50,1.91,152,100040  
06/09/2009 07:00:00,27.53,52.50,253.00,26.37,238.00,396.30,1.76,177,100047  
06/09/2009 08:00:00,29.13,48.01,345.00,41.28,316.00,397.10,1.60,202,100054  
06/09/2009 09:00:00,29.75,47.05,572.00,231.90,388.00,395.53,1.80,214,100027  
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08/09/2009 08:00:00,21.16,56.65,679.00,735.06,167.00,344.95,3.53,189,100558  
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08/09/2009 11:00:00,23.70,51.68,779.00,652.17,246.00,352.80,3.50,189,100509  
08/09/2009 12:00:00,23.72,51.69,624.00,397.32,324.00,354.38,3.53,197,100509  
08/09/2009 13:00:00,23.74,51.69,617.00,692.18,170.00,355.97,3.56,205,100509  
08/09/2009 14:00:00,23.75,51.70,444.00,585.67,153.00,357.55,3.59,213,100509  
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09/09/2009 03:00:00,18.02,67.41,0.00,-0.00,0.00,332.98,1.54,175,100710  
09/09/2009 04:00:00,18.59,68.13,0.00,0.00,0.00,332.12,1.83,171,100733  
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09/09/2009 09:00:00,23.19,53.21,761.00,704.37,209.00,345.72,2.21,211,100747  
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26/10/2013 17:00:00,15.70,65.50,0.00,-0.00,0.00,270.65,1.88,253,101281  
26/10/2013 18:00:00,14.55,69.67,0.00,-0.00,0.00,268.17,1.63,209,101291  
26/10/2013 19:00:00,13.40,73.83,0.00,-0.00,0.00,265.68,1.39,165,101301  
26/10/2013 20:00:00,12.26,78.00,0.00,-0.00,0.00,263.20,1.14,120,101311  
26/10/2013 21:00:00,11.50,81.28,0.00,-0.00,0.00,261.02,1.01,119,101288  
26/10/2013 22:00:00,10.74,84.56,0.00,-0.00,0.00,258.83,0.88,117,101265  
26/10/2013 23:00:00,9.98,87.84,0.00,-0.00,0.00,256.65,0.74,116,101241  
27/10/2013 00:00:00,9.40,89.49,0.00,-0.00,0.00,255.60,0.67,119,101228  
27/10/2013 01:00:00,8.82,91.13,0.00,-0.00,0.00,254.55,0.59,123,101215  
27/10/2013 02:00:00,8.24,92.78,0.00,-0.00,0.00,253.50,0.51,127,101202  
27/10/2013 03:00:00,8.26,90.59,0.00,-0.00,0.00,254.82,0.42,122,101202



27/10/2013 04:00:00,8.27,88.41,0.00,-0.00,0.00,256.13,0.33,118,101202  
27/10/2013 05:00:00,8.29,86.22,9.00,0.00,9.00,257.45,0.23,113,101202  
27/10/2013 06:00:00,12.31,75.52,176.00,427.72,80.00,264.55,0.29,125,101195  
27/10/2013 07:00:00,16.33,64.82,348.00,612.63,114.00,271.65,0.34,136,101189  
27/10/2013 08:00:00,20.35,54.12,486.00,690.66,138.00,278.75,0.40,148,101182  
27/10/2013 09:00:00,21.57,47.82,584.00,761.34,141.00,282.92,0.53,152,101123  
27/10/2013 10:00:00,22.79,41.52,618.00,776.22,144.00,287.08,0.66,157,101063  
27/10/2013 11:00:00,24.01,35.22,595.00,780.29,136.00,291.25,0.79,161,101004  
27/10/2013 12:00:00,23.53,39.00,507.00,728.43,131.00,290.87,0.72,200,100981  
27/10/2013 13:00:00,23.05,42.79,371.00,641.02,115.00,290.48,0.66,238,100958  
27/10/2013 14:00:00,22.56,46.57,200.00,467.92,85.00,290.10,0.59,276,100935  
27/10/2013 15:00:00,20.85,50.46,26.00,60.75,22.00,284.93,0.98,315,100954  
27/10/2013 16:00:00,19.13,54.36,0.00,-0.00,0.00,279.77,1.37,354,100974  
27/10/2013 17:00:00,17.42,58.25,0.00,-0.00,0.00,274.60,1.77,32,100994  
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27/10/2013 19:00:00,15.14,69.70,0.00,-0.00,0.00,269.77,1.44,57,100974  
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27/10/2013 22:00:00,12.72,78.37,0.00,-0.00,0.00,262.98,0.91,76,100911  
27/10/2013 23:00:00,12.07,79.84,0.00,-0.00,0.00,260.80,0.73,79,100885  
28/10/2013 00:00:00,11.50,81.57,0.00,-0.00,0.00,257.57,0.64,79,100878  
28/10/2013 01:00:00,10.93,83.30,0.00,-0.00,0.00,254.33,0.56,80,100872  
28/10/2013 02:00:00,10.35,85.03,0.00,-0.00,0.00,251.10,0.47,81,100865  
28/10/2013 03:00:00,10.24,83.19,0.00,-0.00,0.00,249.82,0.44,81,100878  
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28/10/2013 05:00:00,10.00,79.52,0.00,0.00,0.00,247.25,0.37,82,100905  
28/10/2013 06:00:00,13.81,67.86,172.00,426.42,78.00,254.43,0.37,91,100925  
28/10/2013 07:00:00,17.61,56.21,343.00,608.93,113.00,261.62,0.37,100,100944  
28/10/2013 08:00:00,21.42,44.55,481.00,688.79,137.00,268.80,0.37,109,100964  
28/10/2013 09:00:00,22.51,40.53,578.00,758.73,140.00,277.72,0.61,156,100911  
28/10/2013 10:00:00,23.60,36.50,613.00,773.96,144.00,286.63,0.84,203,100859  
28/10/2013 11:00:00,24.70,32.48,590.00,777.99,136.00,295.55,1.08,250,100806  
28/10/2013 12:00:00,24.28,36.14,505.00,738.94,127.00,294.67,0.98,275,100776  
28/10/2013 13:00:00,23.86,39.80,366.00,638.21,114.00,293.78,0.89,300,100747  
28/10/2013 14:00:00,23.44,43.46,195.00,463.90,83.00,292.90,0.80,325,100717  
28/10/2013 15:00:00,21.70,45.69,22.00,48.59,19.00,287.10,0.98,350,100750  
28/10/2013 16:00:00,19.95,47.92,0.00,-0.00,0.00,281.30,1.17,15,100783  
28/10/2013 17:00:00,18.21,50.15,0.00,-0.00,0.00,275.50,1.35,40,100816  
28/10/2013 18:00:00,17.07,57.77,0.00,-0.00,0.00,273.17,1.26,51,100819  
28/10/2013 19:00:00,15.93,65.38,0.00,-0.00,0.00,270.83,1.17,62,100822  
28/10/2013 20:00:00,14.80,73.00,0.00,-0.00,0.00,268.50,1.08,72,100826  
28/10/2013 21:00:00,14.13,75.22,0.00,-0.00,0.00,267.13,1.00,74,100809  
28/10/2013 22:00:00,13.47,77.45,0.00,-0.00,0.00,265.77,0.93,77,100793  
28/10/2013 23:00:00,12.80,79.67,0.00,-0.00,0.00,264.40,0.86,79,100776  
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29/10/2013 05:00:00,9.81,77.85,0.00,0.00,0.00,255.20,0.36,92,100727

29/10/2013 06:00:00,13.78,65.91,167.00,411.22,78.00,265.93,0.31,103,100740  
29/10/2013 07:00:00,17.74,53.96,339.00,605.14,113.00,276.67,0.26,115,100753  
29/10/2013 08:00:00,21.71,42.02,476.00,686.89,136.00,287.40,0.21,127,100766  
29/10/2013 09:00:00,22.87,39.73,570.00,743.84,144.00,296.42,0.42,169,100707  
29/10/2013 10:00:00,24.03,37.45,608.00,771.63,144.00,305.43,0.64,212,100648  
29/10/2013 11:00:00,25.19,35.16,575.00,732.42,151.00,314.45,0.86,254,100588  
29/10/2013 12:00:00,24.65,39.21,499.00,737.73,125.00,310.77,0.97,259,100582  
29/10/2013 13:00:00,24.11,43.25,347.00,553.28,131.00,307.08,1.09,265,100575  
29/10/2013 14:00:00,23.57,47.30,193.00,476.45,80.00,303.40,1.21,271,100568  
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29/10/2013 17:00:00,18.71,59.55,0.00,-0.00,0.00,288.85,1.68,280,100687  
29/10/2013 18:00:00,17.34,62.98,0.00,-0.00,0.00,288.58,1.48,225,100700  
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29/10/2013 21:00:00,13.61,74.76,0.00,-0.00,0.00,286.03,0.94,121,100720  
29/10/2013 22:00:00,12.61,79.67,0.00,-0.00,0.00,284.02,0.80,126,100714  
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30/10/2013 22:00:00,12.35,86.51,0.00,-0.00,0.00,290.00,0.67,166,100918  
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01/11/2011 22:00:00,6.42,80.90,0.00,-0.00,0.00,257.07,0.62,212,101169  
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03/11/2011 01:00:00,5.84,79.52,0.00,-0.00,0.00,261.32,0.59,215,101162  
03/11/2011 02:00:00,5.60,82.45,0.00,-0.00,0.00,261.70,0.83,218,101162  
03/11/2011 03:00:00,5.98,82.95,0.00,-0.00,0.00,259.95,0.81,220,101169  
03/11/2011 04:00:00,6.36,83.44,0.00,-0.00,0.00,258.20,0.79,223,101175  
03/11/2011 05:00:00,6.74,83.94,0.00,0.00,0.00,256.45,0.77,225,101182  
03/11/2011 06:00:00,9.13,78.89,160.00,493.97,63.00,265.18,0.82,230,101192  
03/11/2011 07:00:00,11.53,73.85,332.00,672.74,95.00,273.92,0.86,235,101202  
03/11/2011 08:00:00,13.92,68.80,469.00,740.04,119.00,282.65,0.91,240,101212  
03/11/2011 09:00:00,14.76,65.72,561.00,783.46,130.00,283.22,0.65,238,101166  
03/11/2011 10:00:00,15.60,62.64,602.00,827.94,123.00,283.78,0.39,235,101119  
03/11/2011 11:00:00,16.45,59.56,556.00,728.04,151.00,284.35,0.12,233,101073  
03/11/2011 12:00:00,15.88,62.48,451.00,587.80,166.00,283.30,0.39,236,101030  
03/11/2011 13:00:00,15.31,65.40,322.00,509.30,134.00,282.25,0.66,240,100987  
03/11/2011 14:00:00,14.74,68.32,178.00,483.87,73.00,281.20,0.92,243,100944  
03/11/2011 15:00:00,12.97,74.19,11.00,0.00,11.00,279.18,1.31,245,100987  
03/11/2011 16:00:00,11.21,80.05,0.00,-0.00,0.00,277.17,1.71,246,101030  
03/11/2011 17:00:00,9.45,85.92,0.00,-0.00,0.00,275.15,2.10,247,101073  
03/11/2011 18:00:00,8.82,84.96,0.00,-0.00,0.00,273.97,1.87,245,101106  
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03/11/2011 20:00:00,7.56,83.04,0.00,-0.00,0.00,271.60,1.41,242,101172  
03/11/2011 21:00:00,7.19,82.48,0.00,-0.00,0.00,269.03,1.08,236,101172  
03/11/2011 22:00:00,6.82,81.92,0.00,-0.00,0.00,266.47,0.75,230,101172  
03/11/2011 23:00:00,6.44,81.36,0.00,-0.00,0.00,263.90,0.43,225,101172  
04/11/2011 00:00:00,6.13,82.71,0.00,-0.00,0.00,263.28,0.36,227,101172  
04/11/2011 01:00:00,5.82,84.06,0.00,-0.00,0.00,262.67,0.29,230,101172  
04/11/2011 02:00:00,5.50,85.41,0.00,-0.00,0.00,262.05,0.22,233,101172  
04/11/2011 03:00:00,5.89,86.60,0.00,-0.00,0.00,258.42,0.43,231,101202  
04/11/2011 04:00:00,6.28,87.78,0.00,-0.00,0.00,254.78,0.64,229,101232  
04/11/2011 05:00:00,6.67,88.97,0.00,0.00,0.00,251.15,0.86,227,101261  
04/11/2011 06:00:00,8.92,82.85,157.00,499.04,61.00,261.07,0.69,234,101288  
04/11/2011 07:00:00,11.16,76.72,325.00,655.01,97.00,270.98,0.53,240,101314  
04/11/2011 08:00:00,13.41,70.60,462.00,725.58,122.00,280.90,0.37,246,101340  
04/11/2011 09:00:00,14.43,67.34,512.00,588.25,191.00,278.15,0.29,245,101304  
04/11/2011 10:00:00,15.45,64.08,534.00,560.88,212.00,275.40,0.21,244,101268  
04/11/2011 11:00:00,16.47,60.82,557.00,755.56,140.00,272.65,0.12,243,101232

04/11/2011 12:00:00,15.76,63.86,482.00,761.51,116.00,271.05,0.52,244,101218  
04/11/2011 13:00:00,15.05,66.91,349.00,698.45,94.00,269.45,0.92,246,101205  
04/11/2011 14:00:00,14.35,69.95,183.00,572.22,61.00,267.85,1.32,247,101192  
04/11/2011 15:00:00,12.70,74.00,0.00,0.00,0.00,263.87,1.63,248,101228  
04/11/2011 16:00:00,11.06,78.06,0.00,-0.00,0.00,259.88,1.94,248,101265  
04/11/2011 17:00:00,9.41,82.11,0.00,-0.00,0.00,255.90,2.25,249,101301  
04/11/2011 18:00:00,8.71,81.68,0.00,-0.00,0.00,253.37,2.06,237,101317  
04/11/2011 19:00:00,8.00,81.26,0.00,-0.00,0.00,250.83,1.86,225,101334  
04/11/2011 20:00:00,7.30,80.83,0.00,-0.00,0.00,248.30,1.67,213,101350  
04/11/2011 21:00:00,6.86,82.47,0.00,-0.00,0.00,246.50,1.22,197,101350  
04/11/2011 22:00:00,6.43,84.11,0.00,-0.00,0.00,244.70,0.78,182,101350  
04/11/2011 23:00:00,5.99,85.75,0.00,-0.00,0.00,242.90,0.33,166,101350  
05/11/2011 00:00:00,5.89,86.08,0.00,-0.00,0.00,243.38,0.48,181,101347  
05/11/2011 01:00:00,5.79,86.42,0.00,-0.00,0.00,243.87,0.63,196,101344  
05/11/2011 02:00:00,5.68,86.75,0.00,-0.00,0.00,244.35,0.77,210,101340  
05/11/2011 03:00:00,5.86,87.80,0.00,-0.00,0.00,245.93,0.66,201,101350  
05/11/2011 04:00:00,6.03,88.86,0.00,-0.00,0.00,247.52,0.54,192,101360  
05/11/2011 05:00:00,6.21,89.91,0.00,0.00,0.00,249.10,0.43,183,101370  
05/11/2011 06:00:00,8.64,85.04,92.00,69.01,79.00,255.93,0.36,200,101373  
05/11/2011 07:00:00,11.06,80.18,180.00,66.88,157.00,262.77,0.29,217,101377  
05/11/2011 08:00:00,13.49,75.31,233.00,45.23,212.00,269.60,0.22,234,101380  
05/11/2011 09:00:00,14.59,72.86,271.00,38.80,250.00,269.00,0.36,235,101334  
05/11/2011 10:00:00,15.69,70.41,467.00,354.57,265.00,268.40,0.51,237,101288  
05/11/2011 11:00:00,16.79,67.96,543.00,710.39,154.00,267.80,0.65,238,101241  
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05/11/2011 20:00:00,7.40,84.50,0.00,-0.00,0.00,243.10,1.17,213,101360  
05/11/2011 21:00:00,7.08,85.89,0.00,-0.00,0.00,241.03,1.00,204,101360  
05/11/2011 22:00:00,6.77,87.27,0.00,-0.00,0.00,238.97,0.82,196,101360  
05/11/2011 23:00:00,6.45,88.66,0.00,-0.00,0.00,236.90,0.65,188,101360  
06/11/2011 00:00:00,6.32,91.18,0.00,-0.00,0.00,243.45,0.64,197,101370  
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06/11/2011 03:00:00,6.41,96.28,0.00,-0.00,0.00,262.82,0.52,219,101406  
06/11/2011 04:00:00,6.77,96.35,0.00,-0.00,0.00,269.08,0.41,222,101423  
06/11/2011 05:00:00,7.14,96.42,0.00,0.00,0.00,275.35,0.30,225,101439  
06/11/2011 06:00:00,9.08,92.44,157.00,596.54,47.00,282.72,0.26,230,101466  
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06/11/2011 10:00:00,15.48,74.26,525.00,558.96,209.00,288.18,1.02,252,101453  
06/11/2011 11:00:00,16.75,69.14,470.00,438.05,232.00,283.55,1.43,258,101420  
06/11/2011 12:00:00,15.88,71.35,441.00,597.02,159.00,279.37,1.54,255,101436  
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06/11/2011 17:00:00,9.40,88.39,0.00,-0.00,0.00,259.65,2.81,242,101588  
06/11/2011 18:00:00,9.01,89.10,0.00,-0.00,0.00,259.78,2.49,239,101608  
06/11/2011 19:00:00,8.61,89.80,0.00,-0.00,0.00,259.92,2.17,236,101627  
06/11/2011 20:00:00,8.22,90.51,0.00,-0.00,0.00,260.05,1.85,233,101647  
06/11/2011 21:00:00,8.18,91.00,0.00,-0.00,0.00,263.27,2.09,232,101647  
06/11/2011 22:00:00,8.14,91.48,0.00,-0.00,0.00,266.48,2.33,231,101647  
06/11/2011 23:00:00,8.10,91.97,0.00,-0.00,0.00,269.70,2.57,230,101647  
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07/11/2011 05:00:00,9.67,93.64,0.00,0.00,0.00,296.65,1.59,238,101845  
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07/11/2011 19:00:00,10.83,89.64,0.00,-0.00,0.00,292.68,2.08,242,101994  
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08/11/2011 08:00:00,14.11,80.35,226.00,44.31,206.00,329.35,1.52,253,101994  
08/11/2011 09:00:00,15.10,78.11,125.00,0.00,125.00,327.20,1.58,251,101931  
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10/11/2011 05:00:00,9.75,85.06,0.00,-0.00,0.00,308.00,0.17,100,100667  
10/11/2011 06:00:00,12.29,79.77,87.00,94.89,71.00,307.55,0.17,120,100677  
10/11/2011 07:00:00,14.82,74.49,141.00,24.75,133.00,307.10,0.17,141,100687  
10/11/2011 08:00:00,17.36,69.20,431.00,697.54,122.00,306.65,0.17,162,100697  
10/11/2011 09:00:00,18.09,67.05,535.00,813.78,112.00,310.15,0.42,187,100667  
10/11/2011 10:00:00,18.81,64.89,564.00,800.50,125.00,313.65,0.67,213,100638  
10/11/2011 11:00:00,19.54,62.74,541.00,802.87,118.00,317.15,0.92,239,100608  
10/11/2011 12:00:00,18.96,65.22,455.00,748.96,113.00,314.07,1.58,246,100615  
10/11/2011 13:00:00,18.38,67.69,177.00,61.31,156.00,310.98,2.24,254,100621  
10/11/2011 14:00:00,17.80,70.17,69.00,10.40,67.00,307.90,2.90,261,100628  
10/11/2011 15:00:00,16.39,76.07,0.00,0.00,0.00,303.48,2.53,260,100674  
10/11/2011 16:00:00,14.99,81.98,0.00,-0.00,0.00,299.07,2.16,259,100720  
10/11/2011 17:00:00,13.58,87.88,0.00,-0.00,0.00,294.65,1.79,259,100766

10/11/2011 18:00:00,13.24,90.31,0.00,-0.00,0.00,296.77,1.83,258,100796  
10/11/2011 19:00:00,12.90,92.74,0.00,-0.00,0.00,298.88,1.88,258,100826  
10/11/2011 20:00:00,12.57,95.17,0.00,-0.00,0.00,301.00,1.92,258,100855  
10/11/2011 21:00:00,12.68,95.80,0.00,-0.00,0.00,310.12,2.02,257,100865  
10/11/2011 22:00:00,12.80,96.44,0.00,-0.00,0.00,319.23,2.12,257,100875  
10/11/2011 23:00:00,12.91,97.07,0.00,-0.00,0.00,328.35,2.22,257,100885  
11/11/2011 00:00:00,12.89,97.48,0.00,-0.00,0.00,327.58,3.01,256,100915  
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11/11/2011 02:00:00,12.84,98.31,0.00,-0.00,0.00,326.05,4.58,254,100974  
11/11/2011 03:00:00,12.82,98.25,0.00,-0.00,0.00,330.05,4.73,254,101024  
11/11/2011 04:00:00,12.80,98.18,0.00,-0.00,0.00,334.05,4.88,254,101073  
11/11/2011 05:00:00,12.78,98.12,0.00,-0.00,0.00,338.05,5.03,254,101123  
11/11/2011 06:00:00,13.28,98.16,42.00,0.00,42.00,332.63,5.07,252,101212  
11/11/2011 07:00:00,13.77,98.21,65.00,0.00,65.00,327.22,5.10,250,101301  
11/11/2011 08:00:00,14.27,98.25,87.00,0.00,87.00,321.80,5.13,248,101390  
11/11/2011 09:00:00,14.17,97.40,68.00,0.00,68.00,322.30,5.20,246,101423  
11/11/2011 10:00:00,14.07,96.55,67.00,0.00,67.00,322.80,5.27,243,101456  
11/11/2011 11:00:00,13.98,95.70,54.00,0.00,54.00,323.30,5.34,240,101489  
11/11/2011 12:00:00,13.60,96.25,59.00,0.00,59.00,320.65,5.15,240,101515  
11/11/2011 13:00:00,13.22,96.79,52.00,0.00,52.00,318.00,4.97,241,101542  
11/11/2011 14:00:00,12.85,97.34,36.00,0.00,36.00,315.35,4.79,241,101568  
11/11/2011 15:00:00,12.03,97.08,0.00,0.00,0.00,313.50,4.57,240,101637  
11/11/2011 16:00:00,11.22,96.81,0.00,-0.00,0.00,311.65,4.35,239,101707  
11/11/2011 17:00:00,10.40,96.55,0.00,-0.00,0.00,309.80,4.14,238,101776  
11/11/2011 18:00:00,10.05,95.96,0.00,-0.00,0.00,309.37,4.36,238,101829  
11/11/2011 19:00:00,9.69,95.36,0.00,-0.00,0.00,308.93,4.58,238,101882  
11/11/2011 20:00:00,9.34,94.77,0.00,-0.00,0.00,308.50,4.80,238,101934  
11/11/2011 21:00:00,9.04,94.30,0.00,-0.00,0.00,307.23,4.77,237,101961  
11/11/2011 22:00:00,8.74,93.83,0.00,-0.00,0.00,305.97,4.74,236,101987  
11/11/2011 23:00:00,8.43,93.36,0.00,-0.00,0.00,304.70,4.70,235,102014  
12/11/2011 00:00:00,8.27,92.49,0.00,-0.00,0.00,303.52,4.90,236,102017  
12/11/2011 01:00:00,8.10,91.61,0.00,-0.00,0.00,302.33,5.10,236,102020  
12/11/2011 02:00:00,7.93,90.74,0.00,-0.00,0.00,301.15,5.30,237,102023  
12/11/2011 03:00:00,7.62,91.03,0.00,-0.00,0.00,299.03,5.11,235,102063  
12/11/2011 04:00:00,7.30,91.33,0.00,-0.00,0.00,296.92,4.93,233,102103  
12/11/2011 05:00:00,6.99,91.62,0.00,-0.00,0.00,294.80,4.74,232,102142  
12/11/2011 06:00:00,7.39,89.55,51.00,6.22,50.00,292.65,5.09,230,102165  
12/11/2011 07:00:00,7.79,87.47,88.00,0.00,88.00,290.50,5.43,228,102188  
12/11/2011 08:00:00,8.19,85.40,99.00,0.00,99.00,288.35,5.77,227,102211  
12/11/2011 09:00:00,8.52,78.07,183.00,3.91,181.00,287.75,5.68,225,102155  
12/11/2011 10:00:00,8.85,70.75,150.00,0.00,150.00,287.15,5.60,224,102099  
12/11/2011 11:00:00,9.18,63.42,90.00,0.00,90.00,286.55,5.52,223,102043  
12/11/2011 12:00:00,9.01,62.95,89.00,0.00,89.00,288.40,4.50,224,102023  
12/11/2011 13:00:00,8.84,62.49,176.00,65.54,154.00,290.25,3.48,225,102004  
12/11/2011 14:00:00,8.68,62.02,94.00,80.64,79.00,292.10,2.46,226,101984  
12/11/2011 15:00:00,7.80,61.85,0.00,0.00,0.00,287.53,2.15,223,102027  
12/11/2011 16:00:00,6.93,61.67,0.00,-0.00,0.00,282.97,1.84,220,102070  
12/11/2011 17:00:00,6.05,61.50,0.00,-0.00,0.00,278.40,1.53,218,102112  
12/11/2011 18:00:00,5.68,62.43,0.00,-0.00,0.00,271.08,1.47,215,102126  
12/11/2011 19:00:00,5.30,63.35,0.00,-0.00,0.00,263.77,1.40,213,102139



12/11/2011 20:00:00,4.93,64.28,0.00,-0.00,0.00,256.45,1.34,211,102152  
12/11/2011 21:00:00,4.72,65.74,0.00,-0.00,0.00,261.05,1.72,208,102139  
12/11/2011 22:00:00,4.52,67.21,0.00,-0.00,0.00,265.65,2.10,206,102126  
12/11/2011 23:00:00,4.31,68.67,0.00,-0.00,0.00,270.25,2.48,204,102112  
13/11/2011 00:00:00,4.20,67.64,0.00,-0.00,0.00,270.63,2.17,205,102103  
13/11/2011 01:00:00,4.09,66.61,0.00,-0.00,0.00,271.02,1.87,205,102093  
13/11/2011 02:00:00,3.97,65.58,0.00,-0.00,0.00,271.40,1.56,206,102083  
13/11/2011 03:00:00,3.86,65.99,0.00,-0.00,0.00,271.03,1.31,204,102099  
13/11/2011 04:00:00,3.75,66.40,0.00,-0.00,0.00,270.67,1.07,202,102116  
13/11/2011 05:00:00,3.64,66.81,0.00,-0.00,0.00,270.30,0.83,200,102132  
13/11/2011 06:00:00,5.03,61.48,52.00,6.37,51.00,268.63,1.59,204,102129  
13/11/2011 07:00:00,6.41,56.14,79.00,0.00,79.00,266.97,2.34,209,102126  
13/11/2011 08:00:00,7.80,50.81,128.00,0.00,128.00,265.30,3.10,213,102122  
13/11/2011 09:00:00,8.40,48.79,207.00,9.85,202.00,268.82,3.66,214,102060  
13/11/2011 10:00:00,9.00,46.78,85.00,0.00,85.00,272.33,4.23,214,101997  
13/11/2011 11:00:00,9.61,44.76,79.00,0.00,79.00,275.85,4.79,215,101934  
13/11/2011 12:00:00,9.00,46.06,69.00,0.00,69.00,272.65,3.77,215,101918  
13/11/2011 13:00:00,8.40,47.36,92.00,0.00,92.00,269.45,2.75,215,101901  
13/11/2011 14:00:00,7.80,48.66,43.00,0.00,43.00,266.25,1.74,215,101885  
13/11/2011 15:00:00,7.14,50.31,0.00,0.00,0.00,268.43,1.60,212,101911  
13/11/2011 16:00:00,6.49,51.96,0.00,-0.00,0.00,270.62,1.46,210,101938  
13/11/2011 17:00:00,5.83,53.61,0.00,-0.00,0.00,272.80,1.32,207,101964  
13/11/2011 18:00:00,5.63,54.32,0.00,-0.00,0.00,273.47,1.46,205,101957  
13/11/2011 19:00:00,5.43,55.02,0.00,-0.00,0.00,274.13,1.60,203,101951  
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13/11/2011 22:00:00,4.80,56.68,0.00,-0.00,0.00,279.23,1.89,197,101865  
13/11/2011 23:00:00,4.58,57.15,0.00,-0.00,0.00,281.45,1.96,195,101825  
14/11/2011 00:00:00,4.49,58.86,0.00,-0.00,0.00,278.65,1.93,197,101779  
14/11/2011 01:00:00,4.40,60.56,0.00,-0.00,0.00,275.85,1.89,198,101733  
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14/11/2011 03:00:00,4.17,64.22,0.00,-0.00,0.00,274.82,1.77,199,101690  
14/11/2011 04:00:00,4.03,66.17,0.00,-0.00,0.00,276.58,1.69,198,101693  
14/11/2011 05:00:00,3.90,68.12,0.00,-0.00,0.00,278.35,1.60,197,101697  
14/11/2011 06:00:00,5.14,64.57,44.00,6.53,43.00,279.08,2.33,201,101690  
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14/11/2011 10:00:00,8.65,53.44,75.00,0.00,75.00,286.52,4.34,208,101519  
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14/11/2011 14:00:00,8.17,53.29,39.00,0.00,39.00,266.90,1.60,211,101281  
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14/11/2011 16:00:00,6.52,56.11,0.00,-0.00,0.00,270.37,1.75,206,101314  
14/11/2011 17:00:00,5.70,57.52,0.00,-0.00,0.00,272.10,1.82,204,101331  
14/11/2011 18:00:00,5.29,59.72,0.00,-0.00,0.00,274.43,1.71,201,101324  
14/11/2011 19:00:00,4.88,61.93,0.00,-0.00,0.00,276.77,1.61,198,101317  
14/11/2011 20:00:00,4.48,64.13,0.00,-0.00,0.00,279.10,1.50,195,101311  
14/11/2011 21:00:00,4.02,65.78,0.00,-0.00,0.00,279.07,1.57,191,101278

14/11/2011 22:00:00,3.56,67.43,0.00,-0.00,0.00,279.03,1.63,188,101245  
14/11/2011 23:00:00,3.09,69.08,0.00,-0.00,0.00,279.00,1.70,185,101212  
15/11/2011 00:00:00,3.12,70.32,0.00,-0.00,0.00,279.38,1.37,188,101182  
15/11/2011 01:00:00,3.15,71.55,0.00,-0.00,0.00,279.77,1.05,192,101152  
15/11/2011 02:00:00,3.18,72.79,0.00,-0.00,0.00,280.15,0.73,196,101123  
15/11/2011 03:00:00,2.75,74.11,0.00,-0.00,0.00,271.93,0.73,193,101133  
15/11/2011 04:00:00,2.32,75.43,0.00,-0.00,0.00,263.72,0.73,190,101142  
15/11/2011 05:00:00,1.89,76.75,0.00,-0.00,0.00,255.50,0.73,187,101152  
15/11/2011 06:00:00,4.06,70.93,120.00,515.50,43.00,255.72,0.68,192,101152  
15/11/2011 07:00:00,6.22,65.11,287.00,709.11,72.00,255.93,0.62,198,101152  
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15/11/2011 09:00:00,9.28,55.51,512.00,804.86,110.00,256.55,0.77,204,101086  
15/11/2011 10:00:00,10.17,51.73,544.00,806.01,118.00,256.95,0.98,205,101020  
15/11/2011 11:00:00,11.06,47.95,522.00,809.33,111.00,257.35,1.19,206,100954  
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15/11/2011 15:00:00,7.85,60.04,0.00,0.00,0.00,272.05,1.43,218,101014  
15/11/2011 16:00:00,6.39,64.58,0.00,-0.00,0.00,268.55,1.34,215,101043  
15/11/2011 17:00:00,4.93,69.11,0.00,-0.00,0.00,265.05,1.26,211,101073  
15/11/2011 18:00:00,4.24,70.27,0.00,-0.00,0.00,263.02,1.02,205,101103  
15/11/2011 19:00:00,3.55,71.42,0.00,-0.00,0.00,260.98,0.79,198,101133  
15/11/2011 20:00:00,2.87,72.58,0.00,-0.00,0.00,258.95,0.55,192,101162  
15/11/2011 21:00:00,2.42,75.31,0.00,-0.00,0.00,257.92,0.76,186,101175  
15/11/2011 22:00:00,1.98,78.05,0.00,-0.00,0.00,256.88,0.97,181,101189  
15/11/2011 23:00:00,1.53,80.78,0.00,-0.00,0.00,255.85,1.19,175,101202  
16/11/2011 00:00:00,1.39,80.15,0.00,-0.00,0.00,254.47,0.95,182,101205  
16/11/2011 01:00:00,1.25,79.51,0.00,-0.00,0.00,253.08,0.72,189,101208  
16/11/2011 02:00:00,1.10,78.88,0.00,-0.00,0.00,251.70,0.48,196,101212  
16/11/2011 03:00:00,1.11,79.37,0.00,-0.00,0.00,249.07,0.50,190,101215  
16/11/2011 04:00:00,1.12,79.87,0.00,-0.00,0.00,246.43,0.52,184,101218  
16/11/2011 05:00:00,1.13,80.36,0.00,-0.00,0.00,243.80,0.54,178,101222  
16/11/2011 06:00:00,3.75,72.18,113.00,460.15,46.00,246.57,0.66,187,101238  
16/11/2011 07:00:00,6.38,64.00,281.00,691.61,74.00,249.33,0.79,197,101255  
16/11/2011 08:00:00,9.00,55.82,419.00,781.05,92.00,252.10,0.91,207,101271  
16/11/2011 09:00:00,9.94,53.56,507.00,803.13,109.00,253.73,0.74,209,101232  
16/11/2011 10:00:00,10.88,51.30,540.00,804.19,118.00,255.37,0.56,212,101192  
16/11/2011 11:00:00,11.83,49.04,520.00,823.01,105.00,257.00,0.39,214,101152  
16/11/2011 12:00:00,11.02,54.32,435.00,764.75,102.00,258.07,0.44,219,101149  
16/11/2011 13:00:00,10.22,59.60,302.00,665.59,87.00,259.13,0.50,224,101146  
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16/11/2011 15:00:00,7.90,63.66,0.00,0.00,0.00,255.97,0.74,225,101179  
16/11/2011 16:00:00,6.38,62.43,0.00,-0.00,0.00,251.73,0.93,222,101215  
16/11/2011 17:00:00,4.86,61.21,0.00,-0.00,0.00,247.50,1.12,218,101251  
16/11/2011 18:00:00,4.14,65.04,0.00,-0.00,0.00,244.50,0.83,204,101281  
16/11/2011 19:00:00,3.42,68.87,0.00,-0.00,0.00,241.50,0.54,191,101311  
16/11/2011 20:00:00,2.71,72.70,0.00,-0.00,0.00,238.50,0.25,177,101340  
16/11/2011 21:00:00,2.26,76.39,0.00,-0.00,0.00,239.30,0.32,174,101344  
16/11/2011 22:00:00,1.81,80.08,0.00,-0.00,0.00,240.10,0.40,171,101347  
16/11/2011 23:00:00,1.36,83.77,0.00,-0.00,0.00,240.90,0.47,168,101350

17/11/2011 00:00:00,1.20,82.60,0.00,-0.00,0.00,242.02,0.41,179,101367  
17/11/2011 01:00:00,1.03,81.43,0.00,-0.00,0.00,243.13,0.36,190,101383  
17/11/2011 02:00:00,0.86,80.26,0.00,-0.00,0.00,244.25,0.30,201,101400  
17/11/2011 03:00:00,0.99,80.55,0.00,-0.00,0.00,242.28,0.25,201,101433  
17/11/2011 04:00:00,1.11,80.84,0.00,-0.00,0.00,240.32,0.20,202,101466  
17/11/2011 05:00:00,1.24,81.13,0.00,-0.00,0.00,238.35,0.15,202,101499  
17/11/2011 06:00:00,4.01,73.70,101.00,345.38,52.00,242.12,0.28,212,101532  
17/11/2011 07:00:00,6.78,66.28,197.00,203.08,137.00,245.88,0.40,221,101565  
17/11/2011 08:00:00,9.55,58.85,399.00,682.30,116.00,249.65,0.52,230,101598  
17/11/2011 09:00:00,10.34,57.48,450.00,545.02,182.00,254.93,1.36,231,101568  
17/11/2011 10:00:00,11.12,56.12,535.00,802.23,117.00,260.22,2.19,231,101538  
17/11/2011 11:00:00,11.91,54.75,519.00,836.75,100.00,265.50,3.02,232,101509  
17/11/2011 12:00:00,11.21,57.93,417.00,680.23,123.00,270.42,2.74,235,101515  
17/11/2011 13:00:00,10.51,61.10,299.00,662.30,87.00,275.33,2.47,238,101522  
17/11/2011 14:00:00,9.81,64.28,133.00,430.08,59.00,280.25,2.19,241,101528  
17/11/2011 15:00:00,8.30,68.83,0.00,-0.00,0.00,273.23,1.92,239,101555  
17/11/2011 16:00:00,6.80,73.37,0.00,-0.00,0.00,266.22,1.64,236,101581  
17/11/2011 17:00:00,5.29,77.92,0.00,-0.00,0.00,259.20,1.37,234,101608  
17/11/2011 18:00:00,4.69,76.23,0.00,-0.00,0.00,255.15,0.94,228,101631  
17/11/2011 19:00:00,4.09,74.54,0.00,-0.00,0.00,251.10,0.52,223,101654  
17/11/2011 20:00:00,3.49,72.85,0.00,-0.00,0.00,247.05,0.10,217,101677  
17/11/2011 21:00:00,3.13,74.36,0.00,-0.00,0.00,244.23,0.17,211,101674  
17/11/2011 22:00:00,2.77,75.88,0.00,-0.00,0.00,241.42,0.24,205,101670  
17/11/2011 23:00:00,2.40,77.39,0.00,-0.00,0.00,238.60,0.32,199,101667  
18/11/2011 00:00:00,2.12,80.68,0.00,-0.00,0.00,244.08,0.50,199,101647  
18/11/2011 01:00:00,1.83,83.97,0.00,-0.00,0.00,249.57,0.69,199,101627  
18/11/2011 02:00:00,1.54,87.26,0.00,-0.00,0.00,255.05,0.87,199,101608  
18/11/2011 03:00:00,1.32,87.69,0.00,-0.00,0.00,264.58,0.79,188,101618  
18/11/2011 04:00:00,1.09,88.13,0.00,-0.00,0.00,274.12,0.70,176,101627  
18/11/2011 05:00:00,0.86,88.56,0.00,-0.00,0.00,283.65,0.62,164,101637  
18/11/2011 06:00:00,3.37,81.87,103.00,405.28,47.00,288.85,0.61,180,101647  
18/11/2011 07:00:00,5.89,75.17,263.00,600.06,88.00,294.05,0.59,196,101657  
18/11/2011 08:00:00,8.40,68.48,402.00,720.30,106.00,299.25,0.58,211,101667  
18/11/2011 09:00:00,9.52,64.68,493.00,768.53,118.00,287.55,0.62,207,101611  
18/11/2011 10:00:00,10.64,60.87,528.00,786.61,121.00,275.85,0.66,202,101555  
18/11/2011 11:00:00,11.76,57.07,510.00,804.30,110.00,264.15,0.70,197,101499  
18/11/2011 12:00:00,10.97,61.04,428.00,762.13,101.00,263.68,0.64,204,101479  
18/11/2011 13:00:00,10.18,65.01,296.00,658.74,87.00,263.22,0.57,211,101459  
18/11/2011 14:00:00,9.40,68.98,135.00,471.78,55.00,262.75,0.51,218,101439  
18/11/2011 15:00:00,7.97,68.51,0.00,-0.00,0.00,259.80,0.62,214,101462  
18/11/2011 16:00:00,6.54,68.04,0.00,-0.00,0.00,256.85,0.73,210,101486  
18/11/2011 17:00:00,5.11,67.57,0.00,-0.00,0.00,253.90,0.84,207,101509  
18/11/2011 18:00:00,4.38,72.41,0.00,-0.00,0.00,250.80,0.68,191,101522  
18/11/2011 19:00:00,3.64,77.26,0.00,-0.00,0.00,247.70,0.52,175,101535  
18/11/2011 20:00:00,2.91,82.10,0.00,-0.00,0.00,244.60,0.36,159,101548  
18/11/2011 21:00:00,2.45,83.64,0.00,-0.00,0.00,243.57,0.44,150,101542  
18/11/2011 22:00:00,2.00,85.17,0.00,-0.00,0.00,242.53,0.52,140,101535  
18/11/2011 23:00:00,1.54,86.71,0.00,-0.00,0.00,241.50,0.61,130,101528  
19/11/2011 00:00:00,1.29,85.74,0.00,-0.00,0.00,242.17,0.55,133,101512  
19/11/2011 01:00:00,1.04,84.78,0.00,-0.00,0.00,242.83,0.49,136,101495

19/11/2011 02:00:00,0.78,83.81,0.00,-0.00,0.00,243.50,0.43,139,101479  
19/11/2011 03:00:00,0.53,82.96,0.00,-0.00,0.00,244.25,0.38,135,101495  
19/11/2011 04:00:00,0.27,82.11,0.00,-0.00,0.00,245.00,0.34,131,101512  
19/11/2011 05:00:00,0.01,81.26,0.00,-0.00,0.00,245.75,0.29,127,101528  
19/11/2011 06:00:00,3.36,73.52,98.00,386.57,46.00,247.65,0.36,147,101545  
19/11/2011 07:00:00,6.72,65.79,264.00,646.12,78.00,249.55,0.43,167,101561  
19/11/2011 08:00:00,10.07,58.05,402.00,746.64,98.00,251.45,0.50,187,101578  
19/11/2011 09:00:00,11.16,55.01,491.00,782.68,112.00,251.57,0.48,189,101519  
19/11/2011 10:00:00,12.24,51.98,527.00,799.84,116.00,251.68,0.46,190,101459  
19/11/2011 11:00:00,13.33,48.94,506.00,801.63,110.00,251.80,0.44,192,101400  
19/11/2011 12:00:00,13.09,50.04,422.00,744.11,105.00,250.73,0.62,205,101370  
19/11/2011 13:00:00,12.85,51.13,291.00,645.38,88.00,249.67,0.79,218,101340  
19/11/2011 14:00:00,12.61,52.23,132.00,460.58,55.00,248.60,0.97,231,101311  
19/11/2011 15:00:00,11.14,54.58,0.00,-0.00,0.00,245.38,1.15,231,101344  
19/11/2011 16:00:00,9.68,56.93,0.00,-0.00,0.00,242.17,1.34,231,101377  
19/11/2011 17:00:00,8.21,59.28,0.00,-0.00,0.00,238.95,1.53,231,101410  
19/11/2011 18:00:00,7.00,61.86,0.00,-0.00,0.00,237.53,1.31,204,101439  
19/11/2011 19:00:00,5.78,64.44,0.00,-0.00,0.00,236.12,1.09,177,101469  
19/11/2011 20:00:00,4.57,67.02,0.00,-0.00,0.00,234.70,0.87,151,101499  
19/11/2011 21:00:00,3.95,72.66,0.00,-0.00,0.00,233.47,0.74,144,101502  
19/11/2011 22:00:00,3.33,78.31,0.00,-0.00,0.00,232.23,0.61,137,101505  
19/11/2011 23:00:00,2.71,83.95,0.00,-0.00,0.00,231.00,0.48,130,101509  
20/11/2011 00:00:00,1.98,83.16,0.00,-0.00,0.00,239.20,0.47,135,101482  
20/11/2011 01:00:00,1.24,82.36,0.00,-0.00,0.00,247.40,0.46,140,101456  
20/11/2011 02:00:00,0.50,81.57,0.00,-0.00,0.00,255.60,0.44,145,101429  
20/11/2011 03:00:00,0.45,81.09,0.00,-0.00,0.00,254.80,0.38,141,101443  
20/11/2011 04:00:00,0.39,80.62,0.00,-0.00,0.00,254.00,0.32,137,101456  
20/11/2011 05:00:00,0.34,80.14,0.00,-0.00,0.00,253.20,0.26,133,101469  
20/11/2011 06:00:00,3.67,72.69,92.00,343.78,47.00,255.68,0.22,158,101505  
20/11/2011 07:00:00,7.00,65.25,253.00,584.18,87.00,258.17,0.17,182,101542  
20/11/2011 08:00:00,10.33,57.80,393.00,716.36,104.00,260.65,0.12,207,101578  
20/11/2011 09:00:00,11.26,56.50,484.00,765.73,116.00,262.27,0.19,213,101532  
20/11/2011 10:00:00,12.18,55.20,520.00,781.79,121.00,263.88,0.26,220,101486  
20/11/2011 11:00:00,13.11,53.90,502.00,800.82,109.00,265.50,0.33,227,101439  
20/11/2011 12:00:00,12.18,57.02,423.00,770.58,97.00,265.95,0.80,233,101413  
20/11/2011 13:00:00,11.25,60.14,287.00,631.58,90.00,266.40,1.26,238,101387  
20/11/2011 14:00:00,10.33,63.26,129.00,442.71,56.00,266.85,1.72,244,101360  
20/11/2011 15:00:00,8.62,66.05,0.00,-0.00,0.00,264.70,1.61,245,101390  
20/11/2011 16:00:00,6.91,68.85,0.00,-0.00,0.00,262.55,1.49,247,101420  
20/11/2011 17:00:00,5.20,71.64,0.00,-0.00,0.00,260.40,1.38,249,101449  
20/11/2011 18:00:00,4.52,74.42,0.00,-0.00,0.00,259.77,1.14,222,101476  
20/11/2011 19:00:00,3.84,77.21,0.00,-0.00,0.00,259.13,0.90,195,101502  
20/11/2011 20:00:00,3.16,79.99,0.00,-0.00,0.00,258.50,0.66,169,101528  
20/11/2011 21:00:00,2.86,82.41,0.00,-0.00,0.00,258.83,0.65,156,101522  
20/11/2011 22:00:00,2.56,84.83,0.00,-0.00,0.00,259.17,0.63,144,101515  
20/11/2011 23:00:00,2.25,87.25,0.00,-0.00,0.00,259.50,0.62,132,101509  
21/11/2011 00:00:00,2.00,85.77,0.00,-0.00,0.00,273.35,0.57,153,101489  
21/11/2011 01:00:00,1.75,84.30,0.00,-0.00,0.00,287.20,0.51,173,101469  
21/11/2011 02:00:00,1.50,82.82,0.00,-0.00,0.00,301.05,0.46,193,101449  
21/11/2011 03:00:00,1.47,81.05,0.00,-0.00,0.00,294.58,0.40,194,101476

21/11/2011 04:00:00,1.43,79.28,0.00,-0.00,0.00,288.12,0.35,194,101502  
21/11/2011 05:00:00,1.40,77.51,0.00,-0.00,0.00,281.65,0.30,194,101528  
21/11/2011 06:00:00,4.09,76.09,88.00,329.88,46.00,290.40,0.30,214,101552  
21/11/2011 07:00:00,6.78,74.66,245.00,545.47,92.00,299.15,0.29,235,101575  
21/11/2011 08:00:00,9.47,73.24,383.00,672.90,114.00,307.90,0.29,255,101598  
21/11/2011 09:00:00,10.58,73.16,478.00,748.41,121.00,300.28,0.38,257,101558  
21/11/2011 10:00:00,11.69,73.08,516.00,781.12,120.00,292.67,0.47,259,101519  
21/11/2011 11:00:00,12.81,73.00,501.00,814.21,104.00,285.05,0.57,261,101479  
21/11/2011 12:00:00,11.79,76.54,418.00,754.41,101.00,275.00,0.99,259,101469  
21/11/2011 13:00:00,10.77,80.09,284.00,630.28,89.00,264.95,1.41,257,101459  
21/11/2011 14:00:00,9.75,83.63,127.00,448.65,54.00,254.90,1.83,255,101449  
21/11/2011 15:00:00,8.24,84.62,0.00,-0.00,0.00,251.42,1.73,262,101479  
21/11/2011 16:00:00,6.74,85.62,0.00,-0.00,0.00,247.93,1.63,268,101509  
21/11/2011 17:00:00,5.24,86.61,0.00,-0.00,0.00,244.45,1.53,275,101538  
21/11/2011 18:00:00,4.71,87.81,0.00,-0.00,0.00,243.28,1.20,282,101545  
21/11/2011 19:00:00,4.18,89.00,0.00,-0.00,0.00,242.12,0.86,289,101552  
21/11/2011 20:00:00,3.65,90.20,0.00,-0.00,0.00,240.95,0.52,297,101558  
21/11/2011 21:00:00,3.60,91.57,0.00,-0.00,0.00,240.58,0.42,291,101545  
21/11/2011 22:00:00,3.55,92.94,0.00,-0.00,0.00,240.22,0.31,286,101532  
21/11/2011 23:00:00,3.49,94.31,0.00,-0.00,0.00,239.85,0.21,281,101519  
22/11/2011 00:00:00,3.20,94.45,0.00,-0.00,0.00,245.10,0.27,269,101512  
22/11/2011 01:00:00,2.91,94.58,0.00,-0.00,0.00,250.35,0.34,257,101505  
22/11/2011 02:00:00,2.62,94.72,0.00,-0.00,0.00,255.60,0.40,245,101499  
22/11/2011 03:00:00,3.00,94.15,0.00,-0.00,0.00,264.65,0.40,263,101489  
22/11/2011 04:00:00,3.37,93.59,0.00,-0.00,0.00,273.70,0.40,280,101479  
22/11/2011 05:00:00,3.74,93.02,0.00,-0.00,0.00,282.75,0.40,298,101469  
22/11/2011 06:00:00,5.78,91.77,68.00,145.41,50.00,285.50,0.35,306,101486  
22/11/2011 07:00:00,7.83,90.52,194.00,245.60,126.00,288.25,0.31,315,101502  
22/11/2011 08:00:00,9.87,89.27,346.00,492.23,151.00,291.00,0.26,324,101519  
22/11/2011 09:00:00,10.65,86.70,396.00,399.15,207.00,292.92,0.39,322,101476  
22/11/2011 10:00:00,11.43,84.14,458.00,528.15,192.00,294.83,0.52,320,101433  
22/11/2011 11:00:00,12.21,81.57,459.00,617.11,160.00,296.75,0.65,318,101390  
22/11/2011 12:00:00,11.18,84.05,307.00,253.93,201.00,294.78,0.83,303,101383  
22/11/2011 13:00:00,10.16,86.53,240.00,358.35,130.00,292.82,1.02,288,101377  
22/11/2011 14:00:00,9.14,89.01,94.00,155.64,69.00,290.85,1.20,274,101370  
22/11/2011 15:00:00,8.17,89.73,0.00,-0.00,0.00,280.70,1.15,280,101413  
22/11/2011 16:00:00,7.21,90.46,0.00,-0.00,0.00,270.55,1.11,287,101456  
22/11/2011 17:00:00,6.24,91.18,0.00,-0.00,0.00,260.40,1.06,294,101499  
22/11/2011 18:00:00,6.02,91.68,0.00,-0.00,0.00,261.45,0.93,302,101515  
22/11/2011 19:00:00,5.80,92.17,0.00,-0.00,0.00,262.50,0.80,310,101532  
22/11/2011 20:00:00,5.59,92.67,0.00,-0.00,0.00,263.55,0.68,318,101548  
22/11/2011 21:00:00,5.48,93.65,0.00,-0.00,0.00,265.27,0.66,311,101552  
22/11/2011 22:00:00,5.37,94.62,0.00,-0.00,0.00,266.98,0.64,303,101555  
22/11/2011 23:00:00,5.25,95.60,0.00,-0.00,0.00,268.70,0.62,296,101558  
23/11/2011 00:00:00,5.14,93.19,0.00,-0.00,0.00,271.07,0.64,284,101552  
23/11/2011 01:00:00,5.03,90.79,0.00,-0.00,0.00,273.43,0.66,273,101545  
23/11/2011 02:00:00,4.91,88.38,0.00,-0.00,0.00,275.80,0.68,262,101538  
23/11/2011 03:00:00,4.87,90.66,0.00,-0.00,0.00,271.03,0.63,263,101561  
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23/11/2011 05:00:00,4.78,95.22,0.00,-0.00,0.00,261.50,0.54,265,101608

23/11/2011 06:00:00,6.99,94.29,34.00,8.31,33.00,268.22,0.64,268,101647  
23/11/2011 07:00:00,9.20,93.37,101.00,10.98,98.00,274.93,0.75,272,101687  
23/11/2011 08:00:00,11.41,92.44,40.00,0.00,40.00,281.65,0.86,275,101726  
23/11/2011 09:00:00,12.09,91.47,125.00,0.00,125.00,291.82,1.28,274,101690  
23/11/2011 10:00:00,12.76,90.51,70.00,0.00,70.00,301.98,1.70,272,101654  
23/11/2011 11:00:00,13.44,89.54,81.00,0.00,81.00,312.15,2.12,271,101618  
23/11/2011 12:00:00,12.89,92.06,74.00,0.00,74.00,308.10,2.15,263,101624  
23/11/2011 13:00:00,12.34,94.59,71.00,0.00,71.00,304.05,2.17,256,101631  
23/11/2011 14:00:00,11.80,97.11,88.00,126.06,68.00,300.00,2.19,248,101637  
23/11/2011 15:00:00,10.86,97.36,0.00,-0.00,0.00,297.37,2.07,246,101690  
23/11/2011 16:00:00,9.93,97.60,0.00,-0.00,0.00,294.73,1.95,244,101743  
23/11/2011 17:00:00,9.00,97.85,0.00,-0.00,0.00,292.10,1.83,242,101796  
23/11/2011 18:00:00,8.77,97.74,0.00,-0.00,0.00,291.90,1.82,240,101835  
23/11/2011 19:00:00,8.54,97.64,0.00,-0.00,0.00,291.70,1.81,239,101875  
23/11/2011 20:00:00,8.31,97.53,0.00,-0.00,0.00,291.50,1.79,238,101915  
23/11/2011 21:00:00,8.23,97.63,0.00,-0.00,0.00,289.27,1.91,237,101915  
23/11/2011 22:00:00,8.15,97.73,0.00,-0.00,0.00,287.03,2.02,236,101915  
23/11/2011 23:00:00,8.07,97.83,0.00,-0.00,0.00,284.80,2.14,235,101915  
24/11/2011 00:00:00,8.01,97.90,0.00,-0.00,0.00,282.00,2.18,236,101915  
24/11/2011 01:00:00,7.95,97.97,0.00,-0.00,0.00,279.20,2.23,237,101915  
24/11/2011 02:00:00,7.88,98.04,0.00,-0.00,0.00,276.40,2.28,238,101915  
24/11/2011 03:00:00,7.91,98.15,0.00,-0.00,0.00,278.40,2.39,237,101938  
24/11/2011 04:00:00,7.94,98.26,0.00,-0.00,0.00,280.40,2.50,236,101961  
24/11/2011 05:00:00,7.97,98.37,0.00,-0.00,0.00,282.40,2.61,235,101984  
24/11/2011 06:00:00,8.84,96.51,22.00,0.00,22.00,286.53,3.04,235,102020  
24/11/2011 07:00:00,9.71,94.64,65.00,0.00,65.00,290.67,3.48,235,102056  
24/11/2011 08:00:00,10.58,92.78,153.00,10.28,149.00,294.80,3.92,235,102093  
24/11/2011 09:00:00,11.04,91.63,281.00,104.99,232.00,292.68,3.98,234,102066  
24/11/2011 10:00:00,11.49,90.47,400.00,339.87,231.00,290.57,4.05,232,102040  
24/11/2011 11:00:00,11.95,89.32,324.00,173.40,241.00,288.45,4.11,230,102014  
24/11/2011 12:00:00,11.57,90.08,215.00,55.80,192.00,294.53,3.38,231,102004  
24/11/2011 13:00:00,11.20,90.84,52.00,0.00,52.00,300.62,2.66,232,101994  
24/11/2011 14:00:00,10.83,91.60,70.00,51.02,62.00,306.70,1.93,233,101984  
24/11/2011 15:00:00,10.08,92.50,0.00,-0.00,0.00,305.23,1.86,231,102037  
24/11/2011 16:00:00,9.34,93.40,0.00,-0.00,0.00,303.77,1.78,229,102089  
24/11/2011 17:00:00,8.60,94.30,0.00,-0.00,0.00,302.30,1.71,227,102142  
24/11/2011 18:00:00,8.18,94.49,0.00,-0.00,0.00,297.00,1.60,225,102159  
24/11/2011 19:00:00,7.76,94.67,0.00,-0.00,0.00,291.70,1.48,224,102175  
24/11/2011 20:00:00,7.34,94.86,0.00,-0.00,0.00,286.40,1.37,222,102192  
24/11/2011 21:00:00,7.10,95.28,0.00,-0.00,0.00,285.53,1.66,221,102175  
24/11/2011 22:00:00,6.86,95.69,0.00,-0.00,0.00,284.67,1.95,219,102159  
24/11/2011 23:00:00,6.62,96.11,0.00,-0.00,0.00,283.80,2.25,218,102142  
25/11/2011 00:00:00,6.90,96.27,0.00,-0.00,0.00,293.12,2.13,221,102122  
25/11/2011 01:00:00,7.18,96.42,0.00,-0.00,0.00,302.43,2.01,225,102103  
25/11/2011 02:00:00,7.46,96.58,0.00,-0.00,0.00,311.75,1.89,228,102083  
25/11/2011 03:00:00,7.32,96.55,0.00,-0.00,0.00,311.90,1.76,228,102109  
25/11/2011 04:00:00,7.17,96.53,0.00,-0.00,0.00,312.05,1.62,227,102136  
25/11/2011 05:00:00,7.03,96.50,0.00,-0.00,0.00,312.20,1.49,227,102162  
25/11/2011 06:00:00,7.70,94.07,36.00,8.81,35.00,306.45,1.86,228,102175  
25/11/2011 07:00:00,8.38,91.65,85.00,3.75,84.00,300.70,2.23,229,102188

25/11/2011 08:00:00,9.05,89.22,103.00,0.00,103.00,294.95,2.59,229,102202  
25/11/2011 09:00:00,9.43,84.00,103.00,0.00,103.00,297.23,2.69,229,102136  
25/11/2011 10:00:00,9.81,78.77,89.00,0.00,89.00,299.52,2.80,229,102070  
25/11/2011 11:00:00,10.20,73.55,96.00,0.00,96.00,301.80,2.90,229,102004  
25/11/2011 12:00:00,10.13,75.21,119.00,0.00,119.00,308.28,2.61,231,101987  
25/11/2011 13:00:00,10.06,76.87,128.00,23.31,121.00,314.77,2.33,233,101971  
25/11/2011 14:00:00,9.99,78.53,60.00,25.80,56.00,321.25,2.04,235,101954  
25/11/2011 15:00:00,9.30,79.21,0.00,-0.00,0.00,320.67,1.76,234,101964  
25/11/2011 16:00:00,8.61,79.89,0.00,-0.00,0.00,320.08,1.48,233,101974  
25/11/2011 17:00:00,7.92,80.57,0.00,-0.00,0.00,319.50,1.20,233,101984  
25/11/2011 18:00:00,7.56,82.17,0.00,-0.00,0.00,313.77,0.98,232,101977  
25/11/2011 19:00:00,7.20,83.78,0.00,-0.00,0.00,308.03,0.76,232,101971  
25/11/2011 20:00:00,6.84,85.38,0.00,-0.00,0.00,302.30,0.54,232,101964  
25/11/2011 21:00:00,6.48,87.11,0.00,-0.00,0.00,301.48,0.79,230,101928  
25/11/2011 22:00:00,6.13,88.85,0.00,-0.00,0.00,300.67,1.03,229,101891  
25/11/2011 23:00:00,5.77,90.58,0.00,-0.00,0.00,299.85,1.28,227,101855  
26/11/2011 00:00:00,6.22,88.66,0.00,-0.00,0.00,300.53,1.14,230,101819  
26/11/2011 01:00:00,6.67,86.74,0.00,-0.00,0.00,301.22,1.00,232,101783  
26/11/2011 02:00:00,7.12,84.82,0.00,-0.00,0.00,301.90,0.86,234,101746  
26/11/2011 03:00:00,7.07,85.91,0.00,-0.00,0.00,303.28,0.86,235,101756  
26/11/2011 04:00:00,7.01,86.99,0.00,-0.00,0.00,304.67,0.86,237,101766  
26/11/2011 05:00:00,6.95,88.08,0.00,-0.00,0.00,306.05,0.87,238,101776  
26/11/2011 06:00:00,7.73,82.93,57.00,118.04,44.00,304.15,0.83,237,101779  
26/11/2011 07:00:00,8.52,77.77,125.00,45.63,113.00,302.25,0.79,236,101783  
26/11/2011 08:00:00,9.30,72.62,150.00,10.46,146.00,300.35,0.74,235,101786  
26/11/2011 09:00:00,9.98,70.34,251.00,65.18,221.00,302.65,0.83,223,101717  
26/11/2011 10:00:00,10.65,68.07,340.00,187.29,248.00,304.95,0.91,210,101647  
26/11/2011 11:00:00,11.33,65.79,463.00,691.08,136.00,307.25,0.99,198,101578  
26/11/2011 12:00:00,11.42,66.70,405.00,760.97,95.00,304.15,0.94,209,101545  
26/11/2011 13:00:00,11.52,67.61,272.00,620.19,87.00,301.05,0.88,221,101512  
26/11/2011 14:00:00,11.62,68.52,120.00,462.93,49.00,297.95,0.83,232,101479  
26/11/2011 15:00:00,10.34,71.17,0.00,-0.00,0.00,290.00,0.87,230,101502  
26/11/2011 16:00:00,9.06,73.81,0.00,-0.00,0.00,282.05,0.92,228,101525  
26/11/2011 17:00:00,7.78,76.46,0.00,-0.00,0.00,274.10,0.97,226,101548  
26/11/2011 18:00:00,7.10,80.91,0.00,-0.00,0.00,272.33,0.71,214,101585  
26/11/2011 19:00:00,6.41,85.37,0.00,-0.00,0.00,270.57,0.45,202,101621  
26/11/2011 20:00:00,5.73,89.82,0.00,-0.00,0.00,268.80,0.19,191,101657  
26/11/2011 21:00:00,5.10,89.68,0.00,-0.00,0.00,265.88,0.46,185,101670  
26/11/2011 22:00:00,4.47,89.54,0.00,-0.00,0.00,262.97,0.72,179,101684  
26/11/2011 23:00:00,3.84,89.40,0.00,-0.00,0.00,260.05,0.98,174,101697  
27/11/2011 00:00:00,3.36,89.11,0.00,-0.00,0.00,256.05,0.81,174,101723  
27/11/2011 01:00:00,2.88,88.82,0.00,-0.00,0.00,252.05,0.65,175,101750  
27/11/2011 02:00:00,2.39,88.53,0.00,-0.00,0.00,248.05,0.48,176,101776  
27/11/2011 03:00:00,2.19,88.01,0.00,-0.00,0.00,247.23,0.46,175,101816  
27/11/2011 04:00:00,1.98,87.48,0.00,-0.00,0.00,246.42,0.43,175,101855  
27/11/2011 05:00:00,1.78,86.96,0.00,-0.00,0.00,245.60,0.40,174,101895  
27/11/2011 06:00:00,4.20,80.39,74.00,355.65,36.00,250.08,0.42,182,101918  
27/11/2011 07:00:00,6.62,73.81,233.00,604.61,76.00,254.57,0.44,190,101941  
27/11/2011 08:00:00,9.04,67.24,370.00,727.94,94.00,259.05,0.46,198,101964  
27/11/2011 09:00:00,9.99,64.33,463.00,780.94,106.00,261.92,0.71,199,101885

27/11/2011 10:00:00,10.94,61.43,500.00,800.69,109.00,264.78,0.97,199,101806  
27/11/2011 11:00:00,11.89,58.52,484.00,820.26,98.00,267.65,1.23,199,101726  
27/11/2011 12:00:00,11.63,61.07,402.00,760.27,94.00,265.08,1.09,208,101687  
27/11/2011 13:00:00,11.37,63.62,270.00,617.42,87.00,262.52,0.95,217,101647  
27/11/2011 14:00:00,11.11,66.17,116.00,434.71,50.00,259.95,0.81,226,101608  
27/11/2011 15:00:00,9.84,68.15,0.00,-0.00,0.00,256.93,0.87,224,101621  
27/11/2011 16:00:00,8.58,70.14,0.00,-0.00,0.00,253.92,0.93,222,101634  
27/11/2011 17:00:00,7.32,72.12,0.00,-0.00,0.00,250.90,0.99,220,101647  
27/11/2011 18:00:00,6.81,77.74,0.00,-0.00,0.00,250.38,0.89,175,101654  
27/11/2011 19:00:00,6.29,83.37,0.00,-0.00,0.00,249.87,0.79,131,101660  
27/11/2011 20:00:00,5.78,88.99,0.00,-0.00,0.00,249.35,0.69,87,101667  
27/11/2011 21:00:00,5.39,89.22,0.00,-0.00,0.00,249.80,0.58,85,101637  
27/11/2011 22:00:00,5.00,89.46,0.00,-0.00,0.00,250.25,0.47,84,101608  
27/11/2011 23:00:00,4.60,89.69,0.00,-0.00,0.00,250.70,0.36,82,101578  
28/11/2011 00:00:00,3.18,88.57,0.00,-0.00,0.00,249.38,0.50,85,101545  
28/11/2011 01:00:00,1.76,87.45,0.00,-0.00,0.00,248.07,0.63,88,101512  
28/11/2011 02:00:00,0.34,86.33,0.00,-0.00,0.00,246.75,0.77,92,101479  
28/11/2011 03:00:00,0.85,85.52,0.00,-0.00,0.00,244.63,0.66,89,101472  
28/11/2011 04:00:00,1.35,84.71,0.00,-0.00,0.00,242.52,0.54,87,101466  
28/11/2011 05:00:00,1.86,83.90,0.00,-0.00,0.00,240.40,0.43,84,101459  
28/11/2011 06:00:00,4.95,78.82,72.00,366.72,34.00,242.65,0.52,85,101476  
28/11/2011 07:00:00,8.03,73.73,234.00,647.37,68.00,244.90,0.61,86,101492  
28/11/2011 08:00:00,11.12,68.65,370.00,752.73,87.00,247.15,0.70,86,101509  
28/11/2011 09:00:00,12.30,63.80,459.00,779.54,105.00,251.05,0.72,91,101462  
28/11/2011 10:00:00,13.48,58.96,497.00,799.12,109.00,254.95,0.73,95,101416  
28/11/2011 11:00:00,14.67,54.11,481.00,818.22,98.00,258.85,0.74,99,101370  
28/11/2011 12:00:00,14.24,58.97,398.00,744.48,98.00,254.08,1.09,108,101364  
28/11/2011 13:00:00,13.81,63.84,269.00,627.96,84.00,249.32,1.43,117,101357  
28/11/2011 14:00:00,13.39,68.70,116.00,445.52,49.00,244.55,1.77,126,101350  
28/11/2011 15:00:00,11.11,70.15,0.00,-0.00,0.00,240.37,1.32,128,101397  
28/11/2011 16:00:00,8.84,71.61,0.00,-0.00,0.00,236.18,0.88,130,101443  
28/11/2011 17:00:00,6.56,73.06,0.00,-0.00,0.00,232.00,0.44,132,101489  
28/11/2011 18:00:00,5.62,72.51,0.00,-0.00,0.00,233.00,0.53,135,101532  
28/11/2011 19:00:00,4.67,71.97,0.00,-0.00,0.00,234.00,0.63,138,101575  
28/11/2011 20:00:00,3.73,71.42,0.00,-0.00,0.00,235.00,0.72,141,101618  
28/11/2011 21:00:00,3.46,72.40,0.00,-0.00,0.00,234.92,0.80,149,101651  
28/11/2011 22:00:00,3.19,73.38,0.00,-0.00,0.00,234.83,0.87,157,101684  
28/11/2011 23:00:00,2.91,74.36,0.00,-0.00,0.00,234.75,0.95,165,101717  
29/11/2011 00:00:00,2.63,75.05,0.00,-0.00,0.00,235.68,0.85,169,101710  
29/11/2011 01:00:00,2.35,75.74,0.00,-0.00,0.00,236.62,0.74,172,101703  
29/11/2011 02:00:00,2.07,76.43,0.00,-0.00,0.00,237.55,0.63,176,101697  
29/11/2011 03:00:00,2.23,76.20,0.00,-0.00,0.00,237.12,0.61,186,101746  
29/11/2011 04:00:00,2.38,75.97,0.00,-0.00,0.00,236.68,0.58,196,101796  
29/11/2011 05:00:00,2.54,75.74,0.00,-0.00,0.00,236.25,0.55,205,101845  
29/11/2011 06:00:00,5.23,73.27,69.00,348.42,34.00,241.92,0.86,215,101888  
29/11/2011 07:00:00,7.91,70.81,227.00,608.13,73.00,247.58,1.16,225,101931  
29/11/2011 08:00:00,10.60,68.34,357.00,681.22,103.00,253.25,1.46,235,101974  
29/11/2011 09:00:00,11.56,67.91,312.00,192.83,225.00,260.05,2.14,238,101938  
29/11/2011 10:00:00,12.51,67.47,398.00,372.79,218.00,266.85,2.82,240,101901  
29/11/2011 11:00:00,13.47,67.04,371.00,330.69,217.00,273.65,3.50,243,101865



29/11/2011 12:00:00,12.52,72.02,295.00,256.91,192.00,272.37,3.17,239,101855  
29/11/2011 13:00:00,11.58,77.01,259.00,556.47,96.00,271.08,2.84,236,101845  
29/11/2011 14:00:00,10.64,81.99,106.00,342.16,55.00,269.80,2.51,232,101835  
29/11/2011 15:00:00,9.33,83.18,0.00,-0.00,0.00,262.90,2.05,227,101849  
29/11/2011 16:00:00,8.03,84.36,0.00,-0.00,0.00,256.00,1.58,222,101862  
29/11/2011 17:00:00,6.72,85.55,0.00,-0.00,0.00,249.10,1.12,217,101875  
29/11/2011 18:00:00,6.17,86.16,0.00,-0.00,0.00,246.90,0.87,210,101872  
29/11/2011 19:00:00,5.62,86.76,0.00,-0.00,0.00,244.70,0.62,204,101868  
29/11/2011 20:00:00,5.08,87.37,0.00,-0.00,0.00,242.50,0.37,197,101865  
29/11/2011 21:00:00,4.68,89.66,0.00,-0.00,0.00,251.87,0.36,192,101849  
29/11/2011 22:00:00,4.29,91.94,0.00,-0.00,0.00,261.23,0.35,187,101832  
29/11/2011 23:00:00,3.89,94.23,0.00,-0.00,0.00,270.60,0.34,182,101816  
30/11/2011 00:00:00,3.86,94.33,0.00,-0.00,0.00,278.68,0.36,180,101796  
30/11/2011 01:00:00,3.83,94.44,0.00,-0.00,0.00,286.77,0.38,177,101776  
30/11/2011 02:00:00,3.79,94.54,0.00,-0.00,0.00,294.85,0.40,175,101756  
30/11/2011 03:00:00,3.81,93.87,0.00,-0.00,0.00,296.95,0.54,170,101759  
30/11/2011 04:00:00,3.82,93.21,0.00,-0.00,0.00,299.05,0.69,165,101763  
30/11/2011 05:00:00,3.84,92.54,0.00,-0.00,0.00,301.15,0.83,160,101766  
30/11/2011 06:00:00,5.54,87.60,62.00,287.63,34.00,304.28,0.91,171,101789  
30/11/2011 07:00:00,7.23,82.67,217.00,551.73,79.00,307.42,0.99,182,101812  
30/11/2011 08:00:00,8.93,77.73,358.00,705.72,97.00,310.55,1.08,192,101835  
30/11/2011 09:00:00,10.44,72.50,450.00,762.84,108.00,306.40,0.97,198,101783  
30/11/2011 10:00:00,11.94,67.28,488.00,780.86,113.00,302.25,0.86,205,101730  
30/11/2011 11:00:00,13.45,62.05,473.00,800.58,102.00,298.10,0.76,211,101677  
30/11/2011 12:00:00,12.72,66.47,395.00,754.42,94.00,287.72,0.89,216,101654  
30/11/2011 13:00:00,11.99,70.90,264.00,614.39,85.00,277.33,1.02,221,101631  
30/11/2011 14:00:00,11.26,75.32,113.00,432.92,49.00,266.95,1.14,227,101608  
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30/11/2011 16:00:00,5.17,84.34,0.00,-0.00,0.00,226.24,0.10,206,101674  
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30/11/2011 20:00:00,6.26,86.02,0.00,-0.00,0.00,251.45,0.86,146,101796  
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30/11/2011 22:00:00,6.80,86.86,0.00,-0.00,0.00,264.05,1.24,128,101783  
30/11/2011 23:00:00,7.07,87.28,0.00,-0.00,0.00,270.35,1.43,119,101776  
01/12/2009 00:00:00,7.34,87.70,0.00,-0.00,0.00,276.65,1.62,46,100723  
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01/12/2009 02:00:00,7.89,88.54,0.00,-0.00,0.00,289.25,2.00,42,100677  
01/12/2009 03:00:00,8.16,88.96,0.00,-0.00,0.00,295.55,2.19,33,100674  
01/12/2009 04:00:00,8.43,89.39,0.00,-0.00,0.00,301.85,2.38,25,100671  
01/12/2009 05:00:00,8.70,89.81,0.00,-0.00,0.00,308.15,2.57,16,100667  
01/12/2009 06:00:00,8.97,90.23,46.00,106.04,36.00,314.45,2.76,7,100661  
01/12/2009 07:00:00,9.25,90.65,132.00,89.04,110.00,320.75,2.95,357,100654  
01/12/2009 08:00:00,13.75,82.32,190.00,59.96,168.00,332.85,2.18,348,100648  
01/12/2009 09:00:00,14.18,80.71,238.00,62.84,210.00,332.70,2.53,348,100575  
01/12/2009 10:00:00,14.61,79.09,243.00,46.05,221.00,332.55,2.88,349,100502  
01/12/2009 11:00:00,15.04,77.48,280.00,112.74,228.00,332.40,3.23,349,100430  
01/12/2009 12:00:00,14.33,79.03,203.00,52.88,182.00,325.00,2.83,345,100423  
01/12/2009 13:00:00,13.63,80.57,110.00,10.35,107.00,317.60,2.44,342,100417

01/12/2009 14:00:00,12.93,82.12,58.00,27.26,54.00,310.20,2.04,339,100410  
01/12/2009 15:00:00,12.25,84.83,0.00,-0.00,0.00,303.77,2.20,337,100410  
01/12/2009 16:00:00,11.57,87.53,0.00,-0.00,0.00,297.33,2.35,336,100410  
01/12/2009 17:00:00,10.90,90.24,0.00,-0.00,0.00,290.90,2.51,335,100410  
01/12/2009 18:00:00,10.85,90.75,0.00,-0.00,0.00,290.17,2.44,335,100397  
01/12/2009 19:00:00,10.81,91.27,0.00,-0.00,0.00,289.43,2.36,335,100384  
01/12/2009 20:00:00,10.76,91.78,0.00,-0.00,0.00,288.70,2.29,335,100370  
01/12/2009 21:00:00,10.52,92.06,0.00,-0.00,0.00,289.47,2.27,332,100337  
01/12/2009 22:00:00,10.29,92.34,0.00,-0.00,0.00,290.23,2.24,330,100304  
01/12/2009 23:00:00,10.05,92.62,0.00,-0.00,0.00,291.00,2.22,328,100271  
02/12/2009 00:00:00,9.69,90.53,0.00,-0.00,0.00,288.97,2.29,322,100232  
02/12/2009 01:00:00,9.33,88.44,0.00,-0.00,0.00,286.93,2.37,317,100192  
02/12/2009 02:00:00,8.97,86.35,0.00,-0.00,0.00,284.90,2.44,312,100153  
02/12/2009 03:00:00,9.16,87.88,0.00,-0.00,0.00,292.15,2.32,310,100129  
02/12/2009 04:00:00,9.36,89.40,0.00,-0.00,0.00,299.40,2.20,307,100106  
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09/12/2009 12:00:00,12.14,90.45,52.00,0.00,52.00,327.18,1.82,18,99879  
09/12/2009 13:00:00,11.79,91.96,32.00,0.00,32.00,326.47,1.55,358,99872  
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11/12/2009 09:00:00,8.08,87.57,70.00,0.00,70.00,301.85,3.17,200,100314  
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11/12/2009 13:00:00,9.16,86.03,72.00,0.00,72.00,309.65,2.51,222,100110  
11/12/2009 14:00:00,9.18,88.42,71.00,91.79,58.00,314.80,2.34,234,100073  
11/12/2009 15:00:00,8.64,90.13,0.00,-0.00,0.00,315.40,2.25,236,100083  
11/12/2009 16:00:00,8.10,91.84,0.00,-0.00,0.00,316.00,2.16,238,100093  
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12/12/2009 09:00:00,8.07,96.99,122.00,0.00,122.00,326.03,4.11,258,99842  
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16/12/2009 19:00:00,6.83,90.98,0.00,-0.00,0.00,288.37,2.38,90,99143  
16/12/2009 20:00:00,6.43,91.33,0.00,-0.00,0.00,280.75,2.51,81,99173  
16/12/2009 21:00:00,6.96,90.88,0.00,-0.00,0.00,289.37,2.27,79,99179  
16/12/2009 22:00:00,7.49,90.42,0.00,-0.00,0.00,297.98,2.03,76,99186  
16/12/2009 23:00:00,8.02,89.97,0.00,-0.00,0.00,306.60,1.79,74,99192  
17/12/2009 00:00:00,7.90,89.48,0.00,-0.00,0.00,310.72,2.02,74,99192  
17/12/2009 01:00:00,7.77,88.98,0.00,-0.00,0.00,314.83,2.24,75,99192  
17/12/2009 02:00:00,7.65,88.49,0.00,-0.00,0.00,318.95,2.47,76,99192  
17/12/2009 03:00:00,7.56,89.08,0.00,-0.00,0.00,321.58,2.57,75,99186  
17/12/2009 04:00:00,7.46,89.66,0.00,-0.00,0.00,324.22,2.66,74,99179  
17/12/2009 05:00:00,7.37,90.25,0.00,-0.00,0.00,326.85,2.76,73,99173  
17/12/2009 06:00:00,8.08,86.81,19.00,35.97,17.00,322.12,3.40,73,99212  
17/12/2009 07:00:00,8.80,83.36,64.00,4.77,63.00,317.38,4.04,74,99252  
17/12/2009 08:00:00,9.51,79.92,202.00,132.39,158.00,312.65,4.68,74,99291  
17/12/2009 09:00:00,9.93,75.78,217.00,57.82,193.00,305.62,4.47,73,99255  
17/12/2009 10:00:00,10.34,71.63,240.00,59.70,213.00,298.58,4.27,72,99219  
17/12/2009 11:00:00,10.76,67.49,222.00,45.31,202.00,291.55,4.07,70,99183  
17/12/2009 12:00:00,10.31,68.30,212.00,80.88,181.00,300.83,3.26,58,99159  
17/12/2009 13:00:00,9.86,69.11,166.00,127.76,130.00,310.12,2.45,46,99136  
17/12/2009 14:00:00,9.42,69.92,21.00,0.00,21.00,319.40,1.64,33,99113  
17/12/2009 15:00:00,9.39,72.31,0.00,-0.00,0.00,323.42,1.85,26,99074  
17/12/2009 16:00:00,9.37,74.71,0.00,-0.00,0.00,327.43,2.06,19,99034  
17/12/2009 17:00:00,9.35,77.10,0.00,-0.00,0.00,331.45,2.26,12,98994  
17/12/2009 18:00:00,9.75,80.67,0.00,-0.00,0.00,332.28,2.49,15,98942  
17/12/2009 19:00:00,10.16,84.25,0.00,-0.00,0.00,333.12,2.72,19,98889  
17/12/2009 20:00:00,10.57,87.82,0.00,-0.00,0.00,333.95,2.95,22,98836  
17/12/2009 21:00:00,10.53,88.24,0.00,-0.00,0.00,333.30,3.23,31,98783  
17/12/2009 22:00:00,10.50,88.66,0.00,-0.00,0.00,332.65,3.50,39,98731  
17/12/2009 23:00:00,10.46,89.08,0.00,-0.00,0.00,332.00,3.78,47,98678  
18/12/2009 00:00:00,10.40,89.02,0.00,-0.00,0.00,330.67,3.54,46,98655  
18/12/2009 01:00:00,10.33,88.96,0.00,-0.00,0.00,329.33,3.30,44,98632  
18/12/2009 02:00:00,10.27,88.90,0.00,-0.00,0.00,328.00,3.06,43,98608  
18/12/2009 03:00:00,10.10,88.92,0.00,-0.00,0.00,329.63,3.15,42,98575  
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18/12/2009 06:00:00,10.29,88.40,29.00,222.66,17.00,334.10,4.20,45,98509  
18/12/2009 07:00:00,10.83,87.84,32.00,0.00,32.00,335.30,5.07,50,98509  
18/12/2009 08:00:00,11.36,87.29,46.00,0.00,46.00,336.50,5.94,55,98509  
18/12/2009 09:00:00,10.96,85.43,142.00,2.41,141.00,338.32,6.47,59,98463  
18/12/2009 10:00:00,10.56,83.56,452.00,772.68,103.00,340.13,7.00,63,98417  
18/12/2009 11:00:00,10.16,81.70,423.00,675.43,125.00,341.95,7.53,68,98371  
18/12/2009 12:00:00,9.67,76.52,373.00,735.50,91.00,331.23,6.56,71,98460  
18/12/2009 13:00:00,9.18,71.33,254.00,620.05,79.00,320.52,5.58,75,98549  
18/12/2009 14:00:00,8.69,66.15,108.00,421.94,47.00,309.80,4.61,78,98638  
18/12/2009 15:00:00,8.23,67.50,0.00,-0.00,0.00,306.93,4.31,78,98734  
18/12/2009 16:00:00,7.77,68.85,0.00,-0.00,0.00,304.07,4.01,77,98830  
18/12/2009 17:00:00,7.32,70.20,0.00,-0.00,0.00,301.20,3.71,77,98925  
18/12/2009 18:00:00,7.11,71.88,0.00,-0.00,0.00,301.30,3.51,77,99024  
18/12/2009 19:00:00,6.90,73.56,0.00,-0.00,0.00,301.40,3.31,77,99123  
18/12/2009 20:00:00,6.69,75.24,0.00,-0.00,0.00,301.50,3.12,76,99222  
18/12/2009 21:00:00,6.15,77.58,0.00,-0.00,0.00,295.10,2.83,76,99291  
18/12/2009 22:00:00,5.60,79.92,0.00,-0.00,0.00,288.70,2.55,75,99361  
18/12/2009 23:00:00,5.06,82.26,0.00,-0.00,0.00,282.30,2.26,74,99430  
19/12/2009 00:00:00,4.28,83.31,0.00,-0.00,0.00,268.33,2.29,71,99466  
19/12/2009 01:00:00,3.51,84.37,0.00,-0.00,0.00,254.37,2.32,68,99503  
19/12/2009 02:00:00,2.73,85.42,0.00,-0.00,0.00,240.40,2.34,64,99539  
19/12/2009 03:00:00,2.11,87.23,0.00,-0.00,0.00,238.97,2.50,59,99582  
19/12/2009 04:00:00,1.49,89.05,0.00,-0.00,0.00,237.53,2.66,54,99625  
19/12/2009 05:00:00,0.87,90.86,0.00,-0.00,0.00,236.10,2.81,48,99668  
19/12/2009 06:00:00,3.20,86.87,14.00,19.13,13.00,242.20,2.52,32,99681  
19/12/2009 07:00:00,5.53,82.89,124.00,154.77,92.00,248.30,2.23,15,99694  
19/12/2009 08:00:00,7.85,78.90,27.00,0.00,27.00,254.40,1.94,358,99707  
19/12/2009 09:00:00,8.10,76.97,55.00,0.00,55.00,276.17,2.44,353,99602  
19/12/2009 10:00:00,8.35,75.05,53.00,0.00,53.00,297.93,2.93,349,99496  
19/12/2009 11:00:00,8.60,73.12,153.00,2.27,152.00,319.70,3.42,344,99390  
19/12/2009 12:00:00,8.90,76.96,41.00,0.00,41.00,319.48,3.29,345,99291  
19/12/2009 13:00:00,9.20,80.79,40.00,0.00,40.00,319.27,3.16,345,99192  
19/12/2009 14:00:00,9.50,84.63,38.00,0.00,38.00,319.05,3.03,346,99093  
19/12/2009 15:00:00,10.07,84.90,0.00,-0.00,0.00,311.13,2.97,352,98994  
19/12/2009 16:00:00,10.64,85.16,0.00,-0.00,0.00,303.22,2.91,358,98895  
19/12/2009 17:00:00,11.21,85.43,0.00,-0.00,0.00,295.30,2.84,4,98797  
19/12/2009 18:00:00,11.62,85.56,0.00,-0.00,0.00,299.00,2.95,10,98737  
19/12/2009 19:00:00,12.03,85.68,0.00,-0.00,0.00,302.70,3.05,17,98678  
19/12/2009 20:00:00,12.44,85.81,0.00,-0.00,0.00,306.40,3.16,23,98618  
19/12/2009 21:00:00,12.47,86.45,0.00,-0.00,0.00,309.27,3.06,24,98569  
19/12/2009 22:00:00,12.49,87.10,0.00,-0.00,0.00,312.13,2.97,26,98519  
19/12/2009 23:00:00,12.52,87.74,0.00,-0.00,0.00,315.00,2.87,27,98470  
20/12/2009 00:00:00,12.36,87.14,0.00,-0.00,0.00,313.73,2.84,27,98470  
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20/12/2009 05:00:00,11.81,90.39,0.00,-0.00,0.00,290.75,2.79,30,98440  
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20/12/2009 09:00:00,12.48,88.11,51.00,0.00,51.00,324.62,4.52,60,98671  
20/12/2009 10:00:00,11.80,85.89,409.00,550.16,161.00,337.03,4.81,70,98704  
20/12/2009 11:00:00,11.13,83.68,335.00,287.94,208.00,349.45,5.10,80,98737  
20/12/2009 12:00:00,10.63,85.66,37.00,0.00,37.00,350.40,4.65,87,98813  
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20/12/2009 16:00:00,7.23,89.36,0.00,-0.00,0.00,313.57,2.74,85,99202  
20/12/2009 17:00:00,6.04,89.23,0.00,-0.00,0.00,294.20,2.23,79,99321  
20/12/2009 18:00:00,5.49,89.31,0.00,-0.00,0.00,281.03,2.18,79,99463  
20/12/2009 19:00:00,4.95,89.39,0.00,-0.00,0.00,267.87,2.12,80,99605  
20/12/2009 20:00:00,4.40,89.47,0.00,-0.00,0.00,254.70,2.07,81,99747  
20/12/2009 21:00:00,3.78,89.68,0.00,-0.00,0.00,249.33,2.22,85,99875  
20/12/2009 22:00:00,3.16,89.90,0.00,-0.00,0.00,243.97,2.37,90,100004  
20/12/2009 23:00:00,2.54,90.11,0.00,-0.00,0.00,238.60,2.52,94,100133  
21/12/2009 00:00:00,2.28,89.45,0.00,-0.00,0.00,235.67,2.49,99,100205  
21/12/2009 01:00:00,2.03,88.79,0.00,-0.00,0.00,232.73,2.45,104,100278  
21/12/2009 02:00:00,1.77,88.13,0.00,-0.00,0.00,229.80,2.41,109,100351  
21/12/2009 03:00:00,1.35,88.28,0.00,-0.00,0.00,224.98,2.54,112,100473  
21/12/2009 04:00:00,0.92,88.42,0.00,-0.00,0.00,220.17,2.67,114,100595  
21/12/2009 05:00:00,0.50,88.57,0.00,-0.00,0.00,215.35,2.80,117,100717  
21/12/2009 06:00:00,2.48,86.85,25.00,182.47,16.00,217.75,2.48,123,100829  
21/12/2009 07:00:00,4.46,85.14,173.00,558.32,59.00,220.15,2.16,129,100941  
21/12/2009 08:00:00,6.44,83.42,301.00,631.41,94.00,222.55,1.83,134,101053  
21/12/2009 09:00:00,7.09,76.16,405.00,745.41,98.00,228.35,1.94,133,101063  
21/12/2009 10:00:00,7.73,68.89,450.00,772.46,102.00,234.15,2.05,132,101073  
21/12/2009 11:00:00,8.37,61.63,446.00,804.67,91.00,239.95,2.15,130,101083  
21/12/2009 12:00:00,7.98,66.09,374.00,736.06,91.00,241.82,1.76,149,101096  
21/12/2009 13:00:00,7.59,70.56,249.00,566.32,88.00,243.68,1.37,168,101109  
21/12/2009 14:00:00,7.21,75.02,110.00,420.53,48.00,245.55,0.98,188,101123  
21/12/2009 15:00:00,6.54,74.10,0.00,-0.00,0.00,244.87,0.77,215,101212  
21/12/2009 16:00:00,5.87,73.17,0.00,-0.00,0.00,244.18,0.57,243,101301  
21/12/2009 17:00:00,5.21,72.25,0.00,-0.00,0.00,243.50,0.36,270,101390  
21/12/2009 18:00:00,4.50,75.49,0.00,-0.00,0.00,240.82,0.87,306,101416  
21/12/2009 19:00:00,3.80,78.73,0.00,-0.00,0.00,238.13,1.39,342,101443  
21/12/2009 20:00:00,3.09,81.97,0.00,-0.00,0.00,235.45,1.90,18,101469  
21/12/2009 21:00:00,2.69,82.19,0.00,-0.00,0.00,233.20,2.06,31,101469  
21/12/2009 22:00:00,2.28,82.41,0.00,-0.00,0.00,230.95,2.22,43,101469  
21/12/2009 23:00:00,1.88,82.63,0.00,-0.00,0.00,228.70,2.37,56,101469  
22/12/2009 00:00:00,1.69,79.51,0.00,-0.00,0.00,230.00,2.43,56,101403  
22/12/2009 01:00:00,1.49,76.39,0.00,-0.00,0.00,231.30,2.48,56,101337  
22/12/2009 02:00:00,1.30,73.27,0.00,-0.00,0.00,232.60,2.54,56,101271  
22/12/2009 03:00:00,1.40,72.43,0.00,-0.00,0.00,239.73,2.32,56,101278  
22/12/2009 04:00:00,1.51,71.60,0.00,-0.00,0.00,246.87,2.10,57,101284  
22/12/2009 05:00:00,1.61,70.76,0.00,-0.00,0.00,254.00,1.88,57,101291  
22/12/2009 06:00:00,3.39,70.66,10.00,0.00,10.00,268.83,2.23,54,101278  
22/12/2009 07:00:00,5.17,70.55,75.00,14.77,72.00,283.67,2.58,52,101265  
22/12/2009 08:00:00,6.94,70.45,192.00,113.16,155.00,298.50,2.94,49,101251  
22/12/2009 09:00:00,7.85,68.08,112.00,0.00,112.00,303.45,2.96,50,101172

22/12/2009 10:00:00,8.75,65.70,90.00,0.00,90.00,308.40,2.97,51,101093  
22/12/2009 11:00:00,9.65,63.33,207.00,31.72,193.00,313.35,2.99,52,101014  
22/12/2009 12:00:00,8.91,67.18,239.00,135.04,187.00,308.32,2.55,53,101004  
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22/12/2009 18:00:00,6.35,86.98,0.00,-0.00,0.00,294.05,1.79,55,100961  
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22/12/2009 20:00:00,6.39,90.02,0.00,-0.00,0.00,292.75,1.85,59,100974  
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22/12/2009 23:00:00,6.05,91.93,0.00,-0.00,0.00,287.65,1.96,55,100915  
23/12/2009 00:00:00,6.06,90.23,0.00,-0.00,0.00,280.52,1.94,54,100862  
23/12/2009 01:00:00,6.07,88.54,0.00,-0.00,0.00,273.38,1.93,53,100809  
23/12/2009 02:00:00,6.08,86.84,0.00,-0.00,0.00,266.25,1.92,52,100756  
23/12/2009 03:00:00,6.22,86.86,0.00,-0.00,0.00,268.45,2.00,55,100753  
23/12/2009 04:00:00,6.37,86.89,0.00,-0.00,0.00,270.65,2.09,57,100750  
23/12/2009 05:00:00,6.51,86.91,0.00,-0.00,0.00,272.85,2.18,59,100747  
23/12/2009 06:00:00,8.45,84.87,6.00,0.00,6.00,276.20,2.60,59,100743  
23/12/2009 07:00:00,10.39,82.84,44.00,0.00,44.00,279.55,3.03,58,100740  
23/12/2009 08:00:00,12.32,80.80,128.00,12.26,124.00,282.90,3.45,58,100737  
23/12/2009 09:00:00,13.39,79.57,391.00,669.21,116.00,288.83,3.58,55,100654  
23/12/2009 10:00:00,14.46,78.33,402.00,517.40,169.00,294.77,3.71,52,100572  
23/12/2009 11:00:00,15.53,77.10,410.00,602.15,144.00,300.70,3.85,48,100489  
23/12/2009 12:00:00,15.08,80.54,368.00,686.93,103.00,307.77,3.20,46,100456  
23/12/2009 13:00:00,14.64,83.98,253.00,579.98,87.00,314.83,2.54,43,100423  
23/12/2009 14:00:00,14.20,87.42,115.00,467.09,45.00,321.90,1.89,40,100390  
23/12/2009 15:00:00,12.99,89.47,0.00,-0.00,0.00,314.12,2.08,42,100443  
23/12/2009 16:00:00,11.79,91.52,0.00,-0.00,0.00,306.33,2.27,43,100496  
23/12/2009 17:00:00,10.59,93.57,0.00,-0.00,0.00,298.55,2.46,45,100549  
23/12/2009 18:00:00,10.29,93.89,0.00,-0.00,0.00,292.28,2.34,48,100601  
23/12/2009 19:00:00,10.00,94.21,0.00,-0.00,0.00,286.02,2.23,51,100654  
23/12/2009 20:00:00,9.70,94.53,0.00,-0.00,0.00,279.75,2.12,54,100707  
23/12/2009 21:00:00,9.47,94.78,0.00,-0.00,0.00,278.25,2.07,57,100707  
23/12/2009 22:00:00,9.25,95.03,0.00,-0.00,0.00,276.75,2.02,60,100707  
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24/12/2009 00:00:00,8.80,95.34,0.00,-0.00,0.00,280.87,2.02,64,100687  
24/12/2009 01:00:00,8.57,95.40,0.00,-0.00,0.00,286.48,2.07,64,100667  
24/12/2009 02:00:00,8.35,95.46,0.00,-0.00,0.00,292.10,2.12,65,100648  
24/12/2009 03:00:00,8.87,95.29,0.00,-0.00,0.00,300.92,2.06,64,100677  
24/12/2009 04:00:00,9.38,95.12,0.00,-0.00,0.00,309.73,1.99,64,100707  
24/12/2009 05:00:00,9.90,94.95,0.00,-0.00,0.00,318.55,1.92,63,100737  
24/12/2009 06:00:00,11.21,93.23,3.00,0.00,3.00,323.32,2.18,63,100753  
24/12/2009 07:00:00,12.53,91.51,91.00,44.75,82.00,328.08,2.45,62,100770  
24/12/2009 08:00:00,13.84,89.79,121.00,9.21,118.00,332.85,2.72,62,100786  
24/12/2009 09:00:00,14.87,87.35,280.00,192.38,201.00,336.27,2.62,59,100727  
24/12/2009 10:00:00,15.90,84.91,298.00,166.51,223.00,339.68,2.51,57,100667  
24/12/2009 11:00:00,16.93,82.47,342.00,309.80,205.00,343.10,2.41,54,100608

24/12/2009 12:00:00,16.03,84.86,169.00,23.28,160.00,333.85,2.48,48,100605  
24/12/2009 13:00:00,15.14,87.25,177.00,149.65,134.00,324.60,2.54,42,100601  
24/12/2009 14:00:00,14.25,89.64,73.00,79.35,61.00,315.35,2.61,37,100598  
24/12/2009 15:00:00,13.04,91.34,0.00,-0.00,0.00,307.87,2.79,40,100611  
24/12/2009 16:00:00,11.83,93.04,0.00,-0.00,0.00,300.38,2.97,44,100624  
24/12/2009 17:00:00,10.62,94.74,0.00,-0.00,0.00,292.90,3.16,47,100638  
24/12/2009 18:00:00,10.87,94.84,0.00,-0.00,0.00,297.62,2.68,51,100654  
24/12/2009 19:00:00,11.12,94.93,0.00,-0.00,0.00,302.33,2.20,54,100671  
24/12/2009 20:00:00,11.37,95.03,0.00,-0.00,0.00,307.05,1.72,58,100687  
24/12/2009 21:00:00,11.38,94.71,0.00,-0.00,0.00,311.23,1.85,57,100684  
24/12/2009 22:00:00,11.39,94.38,0.00,-0.00,0.00,315.42,1.97,55,100681  
24/12/2009 23:00:00,11.40,94.06,0.00,-0.00,0.00,319.60,2.10,54,100677  
25/12/2009 00:00:00,11.54,93.40,0.00,-0.00,0.00,320.63,2.15,53,100608  
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25/12/2009 02:00:00,11.83,92.09,0.00,-0.00,0.00,322.70,2.25,53,100469  
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25/12/2009 04:00:00,12.06,91.88,0.00,-0.00,0.00,334.17,2.60,55,100456  
25/12/2009 05:00:00,12.17,91.77,0.00,-0.00,0.00,339.90,2.77,57,100450  
25/12/2009 06:00:00,12.82,89.59,6.00,0.00,6.00,338.43,2.89,54,100446  
25/12/2009 07:00:00,13.48,87.41,77.00,19.97,73.00,336.97,3.01,52,100443  
25/12/2009 08:00:00,14.13,85.23,111.00,3.08,110.00,335.50,3.13,50,100440  
25/12/2009 09:00:00,15.08,81.87,240.00,99.88,199.00,333.92,3.13,46,100357  
25/12/2009 10:00:00,16.02,78.50,418.00,596.94,149.00,332.33,3.12,43,100275  
25/12/2009 11:00:00,16.96,75.14,208.00,31.62,194.00,330.75,3.12,39,100192  
25/12/2009 12:00:00,16.51,79.30,106.00,0.00,106.00,324.87,2.71,37,100149  
25/12/2009 13:00:00,16.06,83.45,175.00,142.07,134.00,318.98,2.30,34,100106  
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25/12/2009 15:00:00,14.93,88.93,0.00,-0.00,0.00,317.18,1.98,36,100060  
25/12/2009 16:00:00,14.25,90.26,0.00,-0.00,0.00,321.27,2.06,41,100057  
25/12/2009 17:00:00,13.57,91.58,0.00,-0.00,0.00,325.35,2.15,46,100054  
25/12/2009 18:00:00,13.36,91.54,0.00,-0.00,0.00,326.27,2.27,48,100047  
25/12/2009 19:00:00,13.16,91.49,0.00,-0.00,0.00,327.18,2.38,50,100040  
25/12/2009 20:00:00,12.95,91.45,0.00,-0.00,0.00,328.10,2.50,53,100034  
25/12/2009 21:00:00,12.58,92.42,0.00,-0.00,0.00,321.68,2.59,55,100024  
25/12/2009 22:00:00,12.21,93.38,0.00,-0.00,0.00,315.27,2.68,56,100014  
25/12/2009 23:00:00,11.84,94.35,0.00,-0.00,0.00,308.85,2.77,58,100004  
26/12/2009 00:00:00,11.56,94.34,0.00,-0.00,0.00,304.12,2.68,59,99998  
26/12/2009 01:00:00,11.29,94.32,0.00,-0.00,0.00,299.38,2.58,59,99991  
26/12/2009 02:00:00,11.01,94.31,0.00,-0.00,0.00,294.65,2.48,59,99984  
26/12/2009 03:00:00,10.68,94.64,0.00,-0.00,0.00,292.30,2.38,59,100014  
26/12/2009 04:00:00,10.34,94.98,0.00,-0.00,0.00,289.95,2.28,59,100044  
26/12/2009 05:00:00,10.01,95.31,0.00,-0.00,0.00,287.60,2.18,59,100073  
26/12/2009 06:00:00,11.97,94.04,23.00,229.19,13.00,301.82,2.60,57,100106  
26/12/2009 07:00:00,13.93,92.77,167.00,541.11,59.00,316.03,3.03,54,100139  
26/12/2009 08:00:00,15.89,91.50,314.00,760.70,67.00,330.25,3.45,51,100172  
26/12/2009 09:00:00,16.66,88.32,420.00,857.62,68.00,335.08,3.39,52,100136  
26/12/2009 10:00:00,17.43,85.14,449.00,758.38,107.00,339.92,3.33,53,100100  
26/12/2009 11:00:00,18.20,81.96,276.00,128.52,219.00,344.75,3.27,54,100064  
26/12/2009 12:00:00,17.51,82.59,326.00,440.06,155.00,334.42,3.08,50,100044  
26/12/2009 13:00:00,16.83,83.21,23.00,0.00,23.00,324.08,2.89,46,100024

26/12/2009 14:00:00,16.15,83.84,13.00,0.00,13.00,313.75,2.70,42,100004  
26/12/2009 15:00:00,15.00,86.40,0.00,-0.00,0.00,310.98,2.74,43,100017  
26/12/2009 16:00:00,13.85,88.97,0.00,-0.00,0.00,308.22,2.79,44,100031  
26/12/2009 17:00:00,12.71,91.53,0.00,-0.00,0.00,305.45,2.83,44,100044  
26/12/2009 18:00:00,12.54,92.22,0.00,-0.00,0.00,312.53,2.47,37,100011  
26/12/2009 19:00:00,12.38,92.91,0.00,-0.00,0.00,319.62,2.12,29,99978  
26/12/2009 20:00:00,12.22,93.60,0.00,-0.00,0.00,326.70,1.77,22,99945  
26/12/2009 21:00:00,12.37,93.27,0.00,-0.00,0.00,321.67,1.77,23,99866  
26/12/2009 22:00:00,12.53,92.94,0.00,-0.00,0.00,316.63,1.77,24,99786  
26/12/2009 23:00:00,12.68,92.61,0.00,-0.00,0.00,311.60,1.78,26,99707  
27/12/2009 00:00:00,12.45,91.08,0.00,-0.00,0.00,307.05,1.88,28,99648  
27/12/2009 01:00:00,12.21,89.54,0.00,-0.00,0.00,302.50,1.97,30,99588  
27/12/2009 02:00:00,11.98,88.01,0.00,-0.00,0.00,297.95,2.07,32,99529  
27/12/2009 03:00:00,11.75,88.53,0.00,-0.00,0.00,294.18,2.17,36,99489  
27/12/2009 04:00:00,11.51,89.06,0.00,-0.00,0.00,290.42,2.27,41,99450  
27/12/2009 05:00:00,11.28,89.58,0.00,-0.00,0.00,286.65,2.37,46,99410  
27/12/2009 06:00:00,12.92,86.57,18.00,116.85,13.00,292.80,2.86,47,99400  
27/12/2009 07:00:00,14.56,83.57,89.00,45.23,80.00,298.95,3.35,48,99390  
27/12/2009 08:00:00,16.20,80.56,184.00,98.64,152.00,305.10,3.83,49,99381  
27/12/2009 09:00:00,16.99,77.47,397.00,706.44,107.00,312.62,3.80,48,99311  
27/12/2009 10:00:00,17.77,74.37,449.00,757.63,107.00,320.13,3.77,47,99242  
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27/12/2009 12:00:00,17.85,74.65,341.00,508.02,143.00,329.48,3.13,41,99153  
27/12/2009 13:00:00,17.15,78.03,232.00,401.53,115.00,331.32,2.51,37,99133  
27/12/2009 14:00:00,16.46,81.40,118.00,436.05,50.00,333.15,1.90,32,99113  
27/12/2009 15:00:00,15.45,85.02,0.00,-0.00,0.00,332.28,1.93,34,99123  
27/12/2009 16:00:00,14.45,88.64,0.00,-0.00,0.00,331.42,1.96,37,99133  
27/12/2009 17:00:00,13.45,92.26,0.00,-0.00,0.00,330.55,1.99,39,99143  
27/12/2009 18:00:00,13.15,93.10,0.00,-0.00,0.00,328.40,2.06,41,99146  
27/12/2009 19:00:00,12.86,93.93,0.00,-0.00,0.00,326.25,2.12,43,99150  
27/12/2009 20:00:00,12.56,94.77,0.00,-0.00,0.00,324.10,2.19,44,99153  
27/12/2009 21:00:00,12.56,94.85,0.00,-0.00,0.00,330.82,2.36,46,99153  
27/12/2009 22:00:00,12.57,94.94,0.00,-0.00,0.00,337.53,2.53,47,99153  
27/12/2009 23:00:00,12.57,95.02,0.00,-0.00,0.00,344.25,2.70,48,99153  
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28/12/2009 01:00:00,12.33,91.75,0.00,-0.00,0.00,339.68,2.94,52,99080  
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28/12/2009 03:00:00,11.60,90.57,0.00,-0.00,0.00,343.87,3.12,59,99084  
28/12/2009 04:00:00,10.99,91.03,0.00,-0.00,0.00,350.33,3.18,65,99123  
28/12/2009 05:00:00,10.38,91.48,0.00,-0.00,0.00,356.80,3.24,70,99163  
28/12/2009 06:00:00,10.79,84.88,11.00,23.78,10.00,354.38,3.93,75,99242  
28/12/2009 07:00:00,11.20,78.29,168.00,559.18,57.00,351.97,4.61,81,99321  
28/12/2009 08:00:00,11.61,71.69,299.00,638.41,92.00,349.55,5.30,87,99400  
28/12/2009 09:00:00,11.98,64.46,401.00,730.47,101.00,328.82,5.51,93,99453  
28/12/2009 10:00:00,12.34,57.22,452.00,772.17,103.00,308.08,5.73,99,99506  
28/12/2009 11:00:00,12.70,49.99,441.00,754.61,105.00,287.35,5.94,106,99559  
28/12/2009 12:00:00,12.19,50.65,375.00,703.29,100.00,280.53,4.70,104,99635  
28/12/2009 13:00:00,11.68,51.31,260.00,587.14,88.00,273.72,3.45,103,99710  
28/12/2009 14:00:00,11.18,51.97,115.00,386.77,54.00,266.90,2.21,101,99786  
28/12/2009 15:00:00,10.02,57.17,0.00,-0.00,0.00,265.08,2.51,94,99879

28/12/2009 16:00:00,8.86,62.36,0.00,-0.00,0.00,263.27,2.80,87,99971  
28/12/2009 17:00:00,7.71,67.56,0.00,-0.00,0.00,261.45,3.10,79,100064  
28/12/2009 18:00:00,7.30,71.08,0.00,-0.00,0.00,262.65,3.02,72,100116  
28/12/2009 19:00:00,6.90,74.60,0.00,-0.00,0.00,263.85,2.93,65,100169  
28/12/2009 20:00:00,6.50,78.12,0.00,-0.00,0.00,265.05,2.84,58,100222  
28/12/2009 21:00:00,6.51,78.04,0.00,-0.00,0.00,269.48,2.45,57,100225  
28/12/2009 22:00:00,6.52,77.96,0.00,-0.00,0.00,273.92,2.05,55,100228  
28/12/2009 23:00:00,6.53,77.88,0.00,-0.00,0.00,278.35,1.66,54,100232  
29/12/2009 00:00:00,6.59,76.56,0.00,-0.00,0.00,279.75,1.65,59,100212  
29/12/2009 01:00:00,6.65,75.24,0.00,-0.00,0.00,281.15,1.65,64,100192  
29/12/2009 02:00:00,6.71,73.92,0.00,-0.00,0.00,282.55,1.64,69,100172  
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29/12/2009 04:00:00,6.83,76.96,0.00,-0.00,0.00,294.32,1.45,68,100212  
29/12/2009 05:00:00,6.89,78.48,0.00,-0.00,0.00,300.20,1.35,67,100232  
29/12/2009 06:00:00,8.37,76.43,11.00,24.15,10.00,299.08,1.46,70,100252  
29/12/2009 07:00:00,9.85,74.38,159.00,469.40,66.00,297.97,1.56,73,100271  
29/12/2009 08:00:00,11.32,72.33,275.00,481.21,119.00,296.85,1.67,76,100291  
29/12/2009 09:00:00,12.06,69.72,400.00,717.76,105.00,299.05,1.77,77,100235  
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29/12/2009 11:00:00,13.53,64.51,316.00,217.33,219.00,303.45,1.97,81,100123  
29/12/2009 12:00:00,13.19,68.23,322.00,402.64,164.00,309.63,1.58,34,100106  
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29/12/2009 15:00:00,12.08,78.80,0.00,-0.00,0.00,317.03,1.22,299,100120  
29/12/2009 16:00:00,11.63,81.91,0.00,-0.00,0.00,312.07,1.65,297,100166  
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29/12/2009 20:00:00,9.93,85.74,0.00,-0.00,0.00,310.70,2.48,305,100271  
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30/12/2009 03:00:00,6.46,89.91,0.00,-0.00,0.00,272.87,1.50,36,100298  
30/12/2009 04:00:00,6.20,91.39,0.00,-0.00,0.00,270.88,1.77,37,100314  
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30/12/2009 07:00:00,9.87,86.22,158.00,470.04,65.00,280.33,1.86,34,100357  
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30/12/2009 12:00:00,13.46,79.29,321.00,396.03,165.00,323.72,2.35,45,100162  
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31/12/2009 07:00:00,11.62,89.90,163.00,521.00,60.00,328.95,4.17,60,99875  
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31/12/2009 09:00:00,14.50,83.58,394.00,682.09,113.00,336.17,4.53,60,99770  
31/12/2009 10:00:00,15.64,80.37,448.00,732.86,115.00,341.03,4.51,60,99684  
31/12/2009 11:00:00,16.78,77.16,413.00,583.81,151.00,345.90,4.48,60,99598  
31/12/2009 12:00:00,16.14,78.78,337.00,460.16,155.00,326.83,3.82,59,99569  
31/12/2009 13:00:00,15.50,80.41,276.00,680.64,73.00,307.77,3.15,58,99539  
31/12/2009 14:00:00,14.86,82.03,124.00,427.89,54.00,288.70,2.48,57,99509  
31/12/2009 15:00:00,13.62,85.13,0.00,0.00,0.00,284.25,2.52,57,99499  
31/12/2009 16:00:00,13.74,96.81,0.00,-0.00,0.00,275.60,2.73,58,99489  
31/12/2009 17:00:00,12.47,94.46,0.00,-0.00,0.00,274.28,2.66,58,99480  
31/12/2009 18:00:00,11.19,92.12,0.00,-0.00,0.00,272.96,2.58,58,99453  
31/12/2009 19:00:00,9.92,89.77,0.00,-0.00,0.00,271.65,2.51,59,99427  
31/12/2009 20:00:00,8.65,87.42,0.00,-0.00,0.00,270.33,2.44,59,99400  
31/12/2009 21:00:00,7.37,85.08,0.00,-0.00,0.00,269.02,2.36,58,99344  
31/12/2009 22:00:00,6.10,82.73,0.00,-0.00,0.00,267.70,2.29,57,99288  
31/12/2009 23:00:00,4.82,80.38,0.00,-0.00,0.00,266.39,2.22,56,99232