

| Eletrobras CGTEE      |  |        |  |        |  |        |  |        |  |        |  |        |  |        |  |        |  |        |  |      |
|-----------------------|--|--------|--|--------|--|--------|--|--------|--|--------|--|--------|--|--------|--|--------|--|--------|--|------|
| Estação 1 - Aeroporto |  |        |  |        |  |        |  |        |  |        |  |        |  |        |  |        |  |        |  |      |
| Data de Medição       | Qualidade do Ar                                  |        |  |        |  |        | Meteorologia                                     |        |  |        |  |        |  |        |  |        |  |        |  |      |
|                       | Ar Ambiente                                      |        |  |        |  |        | Clima e Meteorologia                             |        |  |        |  |        |  |        |  |        |  |        |  |      |
|                       | Dióxido de Nitrogênio                            |        | Dióxido de Enxofre                               |        | Partículas Inaláveis (<10µm)                     |        | Velocidade Escalar do Vento                      |        | Direção Escalar do Vento                         |        | Precipitação Pluviométrica                       |        | Temperatura                                      |        | Radiação Solar Global                            |        | Umidade Relativa                                 |        | Pressão Atmosférica                              |      |
|                       | Frequência Horária com amostra de 1 Hora a 3,0 m |        | Frequência Horária com amostra de 1 Hora a 3,0 m |        | Frequência Horária com amostra de 1 Hora a 3,0 m |        | Frequência Horária com amostra de 1 Hora a 6,0 m |        | Frequência Horária com amostra de 1 Hora a 6,0 m |        | Frequência Horária com amostra de 1 Hora a 1,0 m |        | Frequência Horária com amostra de 1 Hora a 1,0 m |        | Frequência Horária com amostra de 1 Hora a 1,0 m |        | Frequência Horária com amostra de 1 Hora a 2,0 m |        | Frequência Horária com amostra de 1 Hora a 2,0 m |      |
| Rotina                |  | Rotina |  | Rotina |  | Rotina |  | Rotina |  | Rotina |  | Rotina |  | Rotina |  | Rotina |  | Rotina |  |      |
| Data                  | Valor [ppm]                                      | Flag   | Valor [ppm]                                      | Flag   | Valor [µg/m3]                                    | Flag   | Valor [m/s]                                      | Flag   | Valor [°]  | Flag   | Valor [mm]                                       | Flag   | Valor [C]  | Flag   | Valor [W/m2]                                     | Flag   | Valor [%]  | Flag   | Valor [mbar]                                     | Flag |
| 01/11/2012 00:30      | 0.0034   |        |  |        | 15   |        | 2,35   |        | 111,11   |        | 0  |        | 14,76  |        | 3,46   |        | 90,08  |        | 986,038  |      |
| 01/11/2012 01:30      | 0.004  |        |  |        | 19   |        | 2  |        | 92,6   |        | 0  |        | 14,41  |        | 3,45   |        | 90,29  |        | 985,904  |      |
| 01/11/2012 02:30      | 0.0032   |        |  |        | 18   |        | 2,21   |        | 78,88  |        | 0  |        | 14,54  |        | 3,41   |        | 89,43  |        | 986,083  |      |
| 01/11/2012 03:30      | 0.0029   |        |  |        | 13   |        | 2,76   |        | 81,83  |        | 0  |        | 15,15  |        | 3,38   |        | 86,65  |        | 986,305  |      |
| 01/11/2012 04:30      | 0.0035   |        |  |        | 11   |        | 2,14   |        | 109,48   |        | 0  |        | 15,4   |        | 3,33   |        | 85,51  |        | 986,812  |      |
| 01/11/2012 05:30      | 0.0045   |        |  |        | 20   |        | 2,54   |        | 128,5  |        | 0  |        | 15,46  |        | 6,08   |        | 85,68  |        | 987,451  |      |
| 01/11/2012 06:30      | 0.004  |        |  |        | 16   |        | 2,79   |        | 138,32   |        | 0  |        | 15,87  |        | 67,19  |        | 84,2   |        | 988,039  |      |
| 01/11/2012 07:30      | 0.003  |        |  |        | 16   |        | 3,87   |        | 127,19   |        | 0  |        | 16,75  |        | 333,63   |        | 82,2   |        | 988,382  |      |
| 01/11/2012 08:30      | 0.0033   |        |  |        | 16   |        | 4,22   |        | 104,6  |        | 0  |        | 18,55  |        | 530,5  |        | 70,55  |        | 988,5  |      |
| 01/11/2012 09:30      | 0.0026   |        |  |        | 12   |        | 3,81   |        | 81,46  |        | 0  |        | 20,4   |        | 778,46   |        | 60,53  |        | 988,856  |      |
| 01/11/2012 10:30      | 0.0029   |        |  |        | 11   |        | 3,33   |        | 80,05  |        | 0  |        | 21,13  |        | 892,03   |        | 58,84  |        | 988,665  |      |
| 01/11/2012 11:30      | 0.0029   |        |  |        | 17   |        | 3  |        | 71,87  |        | 0  |        | 21,95  |        | 825  |        | 56,69  |        | 988,332  |      |
| 01/11/2012 12:30      | 0.003  |        |  |        | 17   |        | 2,79   |        | 93,27  |        | 0  |        | 22,93  |        | 954,14   |        | 54,26  |        | 988,126  |      |
| 01/11/2012 13:30      | 0.0028   |        |  |        | 16   |        | 2,42   |        | 55,38  |        | 0  |        | 23,67  |        | 921,51   |        | 51,91  |        | 987,834  |      |
| 01/11/2012 14:30      | 0.0028   |        |  |        | 12   |        | 2,47   |        | 85,34  |        | 0  |        | 24,27  |        | 851,55   |        | 50,09  |        | 987,185  |      |
| 01/11/2012 15:30      | 0.0028   |        |  |        | 19   |        | 2,06   |        | 112,09   |        | 0  |        | 24,83  |        | 694,5  |        | 47,73  |        | 986,57   |      |
| 01/11/2012 16:30      | 0.0028   |        |  |        | 18   |        | 2,86   |        | 101,1  |        | 0  |        | 24,92  |        | 487,04   |        | 48,3   |        | 985,931  |      |
| 01/11/2012 17:30      | 0.0028   |        |  |        | 13   |        | 3,82   |        | 129,46   |        | 0  |        | 24,65  |        | 267,71   |        | 48,59  |        | 985,811  |      |
| 01/11/2012 18:30      | 0.0034   |        |  |        | 29   |        | 3,53   |        | 142,43   |        | 0  |        | 23,48  |        | 63,41  |        | 55,71  |        | 986,134  |      |
| 01/11/2012 19:30      | 0.0049   |        |  |        | 27   |        | 2,58   |        | 125,14   |        | 0  |        | 21,19  |        | 3,79   |        | 68,25  |        | 986,833  |      |
| 01/11/2012 20:30      | 0.0052   |        |  |        | 27   |        | 1,93   |        | 120,5  |        | 0  |        | 19,81  |        | 3,28   |        | 73,3   |        | 987,247  |      |
| 01/11/2012 21:30      | 0.0043   |        |  |        | 17   |        | 2,4  |        | 96,29  |        | 0  |        | 19,04  |        | 3,16   |        | 73,89  |        | 987,725  |      |
| 01/11/2012 22:30      | 0.0045   |        |  |        | 20   |        | 2,6  |        | 83,39  |        | 0  |        | 18,16  |        | 3,16   |        | 79,34  |        | 987,77   |      |
| 01/11/2012 23:30      | 0.0038   |        |  |        | 985  | IU     | 2,75   |        | 54,84  |        | 0  |        | 17,41  |        | 3,18   |        | 83,74  |        | 987,812  |      |
| 02/11/2012 00:30      | 0.0036   |        |  |        | 985  | IU     | 2,7  |        | 66,63  |        | 0  |        | 16,75  |        | 3,26   |        | 85,36  |        | 987,534  |      |
| 02/11/2012 01:30      | 0.004  |        |  |        | 985  | IU     | 2,23   |        | 45,38  |        | 0  |        | 16,16  |        | 3,37   |        | 87,04  |        | 987,67   |      |
| 02/11/2012 02:30      | 0.0039   |        |  |        | 985  | IU     | 1,63   |        | 58,65  |        | 0  |        | 15,8   |        | 3,38   |        | 87,73  |        | 987,855  |      |
| 02/11/2012 03:30      | 0.0039   |        |  |        | 985  | IU     | 1,93   |        | 80,6   |        | 0  |        | 14,99  |        | 3,21   |        | 90,06  |        | 987,484  |      |
| 02/11/2012 04:30      | 0.0033   |        |  |        | 985  | IU     | 1,63   |        | 61,48  |        | 0  |        | 14,4   |        | 3,04   |        | 91,01  |        | 987,668  |      |
| 02/11/2012 05:30      | 0.0067   |        |  |        | 985  | IU     | 1,27   |        | 110,06   |        | 0  |        | 13,79  |        | 11,27  |        | 91,58  |        | 988,286  |      |
| 02/11/2012 06:30      | 0.0051   |        |  |        | 985  | IU     | 1,71   |        | 57,52  |        | 0  |        | 14,06  |        | 46,94  |        | 92,59  |        | 989,093  |      |
| 02/11/2012 07:30      | 0.0034   |        |  |        | 985  | IU     | 1,38   |        | 51,62  |        | 0  |        | 16,25  |        | 293,32   |        | 86,78  |        | 989,457  |      |
| 02/11/2012 08:30      | 0.003  |        |  |        | 985  | IU     | 2,36   |        | 63,68  |        | 0  |        | 19,3   |        | 566,46   |        | 70,66  |        | 989,759  |      |
| 02/11/2012 09:30      | 0.0029   |        |  |        | 985  | IU     | 3,25   |        | 80,81  |        | 0  |        | 21,29  |        | 748,05   |        | 58,39  |        | 989,885  |      |
| 02/11/2012 10:30      | 0.0033   |        |  |        | 985  | IU     | 2,79   |        | 81,75  |        | 0  |        | 22,96  |        | 879,78   |        | 51,29  |        | 990,084  |      |
| 02/11/2012 11:30      | 0.0033   |        |  |        | 985  | IU     | 2,95   |        | 77,65  |        | 0  |        | 24,24  |        | 949,06   |        | 46,18  |        | 989,961  |      |
| 02/11/2012 12:30      | 0.0029   |        |  |        | 985  | IU     | 3,45   |        | 90,68  |        | 0  |        | 25,17  |        | 972,76   |        | 40,28  |        | 989,364  |      |
| 02/11/2012 13:30      | 0.0028   |        |  |        | 985  | IU     | 3,62   |        | 100,37   |        | 0  |        | 25,92  |        | 937,27   |        | 35,74  |        | 988,708  |      |
| 02/11/2012 14:30      | 0.0027   |        |  |        | 985  | IU     | 4,15   |        | 101,81   |        | 0  |        | 26,47  |        | 837,72   |        | 34,74  |        | 987,888  |      |
| 02/11/2012 15:30      | 0.0027   |        |  |        | 985  | IU     | 4,05   |        | 100,75   |        | 0  |        | 26,73  |        | 685,16   |        | 34,8   |        | 987,152  |      |
| 02/11/2012 16:30      | 0.0026   |        |  |        | 985  | IU     | 4,36   |        | 99,21  |        | 0  |        | 26,83  |        | 496,22   |        | 34,78  |        | 986,794  |      |
| 02/11/2012 17:30      | 0.0027   |        |  |        | 10   |        | 4,02   |        | 111,2  |        | 0  |        | 26,35  |        | 282,07   |        | 34,74  |        | 986,666  |      |
| 02/11/2012 18:30      | 0.003  |        |  |        | 12   |        | 3,2  |        | 102,26   |        | 0  |        | 24,97  |        | 75,2   |        | 42,86  |        | 986,613  |      |
| 02/11/2012 19:30      | 0.0037   |        |  |        | 20   |        | 2,54   |        | 79,35  |        | 0  |        | 22,36  |        | 3,63   |        | 55,91  |        | 986,994  |      |
| 02/11/2012 20:30      | 0.0042   |        |  |        | 26   |        | 2,68   |        | 62,08  |        | 0  |        | 20,93  |        | 3,08   |        | 59,55  |        | 987,638  |      |
| 02/11/2012 21:30      | 0.0042   |        |  |        | 26   |        | 2,43   |        | 36,6   |        | 0  |        | 19,98  |        | 3,17   |        | 61,65  |        | 988,195  |      |
| 02/11/2012 22:30      | 0.0043   |        |  |        | 24   |        | 1,81   |        | 35,03  |        | 0  |        | 19,75  |        | 3,12   |        | 60,09  |        | 988,538  |      |
| 02/11/2012 23:30      | 0.0048   |        |  |        | 18   |        | 1,96   |        | 39,97  |        | 0  |        | 19,04  |        | 3,24   |        | 63,5   |        | 988,522  |      |
| 03/11/2012 00:30      | 0.0044   |        |  |        | 20   |        | 2,04   |        | 24,81  |        | 0  |        | 18,55  |        | 3,32   |        | 63,28  |        | 988,361  |      |
| 03/11/2012 01:30      | 0.0064   |        |  |        | 20   |        | 1,81   |        | 66,33  |        | 0  |        | 17,27  |        | 3,26   |        | 73,89  |        | 987,707  |      |
| 03/11/2012 02:30      | 0.0049   |        |  |        | 17   |        | 1,72   |        | 51,59  |        | 0  |        | 16,69  |        | 3,18   |        | 80,58  |        | 987,379  |      |
| 03/11/2012 03:30      | 0.0046   |        |  |        | 11   |        | 2,11   |        | 59,2   |        | 0  |        | 15,97  |        | 3,14   |        | 84,99  |        | 987,082  |      |
| 03/11/2012 04:30      | 0.0042   |        |  |        | 11   |        | 2,27   |        | 53,43  |        | 0  |        | 15,75  |        | 3,06   |        | 88,27  |        | 987,036  |      |
| 03/11/2012 05:30      | 0.0036   |        |  |        | 13   |        | 2,38   |        | 54,88  |        | 0  |        | 15,68  |        | 11,06  |        | 89,18  |        | 987,31   |      |
| 03/11/2012 06:30      | 0.0029   |        |  |        | 14   |        | 2,54   |        | 54,74  |        | 0  |        | 16,29  |        | 47,13  |        | 88,09  |        | 987,785  |      |
| 03/11/2012 07:30      | 0.0028   |        |  |        | 10   |        | 3,44   |        | 37,63  |        | 0  |        | 18,65  |        | 298,93   |        | 77,68  |        | 988,319  |      |
| 03/11/2012 08:30      | 0.0028   |        |  |        | 9  |        | 3,84   |        | 32,85  |        | 0  |        | 21,39  |        | 574,26   |        | 61,54  |        | 988,715  |      |
| 03/11/2012 09:30      | 0.0026   |        |  |        | 12   |        | 4,9  |        | 42,29  |        | 0  |        | 23,72  |        | 751,24   |        | 48,89  |        | 989,04   |      |
| 03/11/2012 10:30      | 0.0027   |        |  |        | 19   |        | 4,24   |        | 56,63  |        | 0  |        | 24,94  |        | 884,16   |        | 48,95  |        | 988,962  |      |
| 03/11/2012 11:30      | 0.0026   |        |  |        | 19   |        | 3,98   |        | 67,74  |        | 0  |        | 26,03  |        | 960,65   |        | 44,21  |        | 988,433  |      |
| 03/11/2012 12:30      | 0.003  |        |  |        | 18   |        | 4,1  |        | 115,29   |        | 0  |        | 26,8   |        | 986,18   |        | 35,99  |        | 987,916  |      |
| 03/11/2012 13:30      | 0.0029   |        |  |        | 22   |        | 2,88   |        | 83,73  |        | 0  |        | 27,62  |        | 943,32   |        | 35,64  |        | 987,088  |      |
| 03/11/2012 14:30      | 0.003  |        |  |        | 9  |        | 2,81   |        | 123,42   |        | 0  |        | 27,89  |        | 844,02   |        | 35,92  |        | 986,445  |      |
| 03/11/2012 15:30      | 0.0026   |        |  |        | 16   |        | 2,8  |        | 89,93  |        | 0  |        | 28,36  |        | 688,34   |        | 34,87  |        | 985,774  |      |
| 03/11/2012 16:30      | 0.0032   |        |  |        | 17   |        | 3,11   |        | 98,37  |        | 0  |        | 28,41  |        | 488,06   |        | 35,96  |        | 985,344  |      |
| 03/11/2012 17:30      | 0.0027   |        |  |        | 14   |        | 3,74   |        | 118,43   |        | 0  |        | 27,76  |        | 273,58   |        | 38,01  |        | 985,136  |      |
| 03/11/2012 18:30      | 0.0031   |        |  |        | 18   |        | 3,71   |        | 118,65   |        | 0  |        | 26,19  |        | 71,58  |        | 45,46  |        | 985,162  |      |
| 03/11/2012 19:30      | 0.0035   |        |  |        | 32   |        | 3,33   |        | 88,73  |        | 0  |        | 23,81  |        | 3,43   |        | 53,73  |        | 985,596  |      |
| 03/11/2012 20:30      | 0.0047   |        |  |        | 29   |        | 3,9  |        | 61,65  |        | 0  |        | 22,3   |        | 2,82   |        | 57,38  |        | 986,22   |      |
| 03/11/2012 21:30      | 0.0035   |        |  |        | 27   |        | 4,53   |        | 60,97  |        | 0  |        | 21,63  |        | 2,83   |        | 61,59  |        | 986,824  |      |
| 03/11/2012 22:30      | 0.0035   |        |  |        | 25   |        | 2,82   |        | 65,81  |        | 0  |        | 20,62  |        | 2,82   |        | 68,43  |        | 987,205  |      |
| 03/11/2012 23:30      | 0.0036   |        |  |        | 26   |        | 3,34   |        | 63,72  |        | 0  |        | 19,61  |        | 2,7  |        | 73,68  |        | 987,22   |      |
| 04/11/2012 00:30      | 0.0051   |        |  |        | 25   |        | 2,27   |        | 19,76  |        | 0  |        | 19,08  |        | 2,88   |        | 74,81  |        | 987,059  |      |
| 04/11/2012 01:30      | 0.0041   |        |  |        | 16   |        | 1,18   |        | 64,46  |        | 0  |        | 18,39  |        | 3,04   |        | 78,25  |        | 986,471  | </   |

|                  |        |    |  |  |     |      |        |     |    |       |        |       |         |
|------------------|--------|----|--|--|-----|------|--------|-----|----|-------|--------|-------|---------|
| 05/11/2012 09:30 | 0.0038 |    |  |  | 24  | 4.13 | 5.53   | 0   |    | 24.93 | 742.58 | 54.06 | 988.43  |
| 05/11/2012 10:30 | 0.0034 |    |  |  | 23  | 1.99 | 321.15 | 0   |    | 26.66 | 881.59 | 49.28 | 988.078 |
| 05/11/2012 11:30 | 0.0035 |    |  |  | 29  | 2.13 | 237.63 | 0   |    | 27.56 | 965.02 | 44.86 | 987.753 |
| 05/11/2012 12:30 | 0.0033 |    |  |  | 30  | 2.44 | 213.07 | 0   |    | 28.24 | 985.05 | 41.87 | 987.275 |
| 05/11/2012 13:30 | 0.0035 |    |  |  | 31  | 2.26 | 229.18 | 0   |    | 28.87 | 927.1  | 40.87 | 986.706 |
| 05/11/2012 14:30 | 0.0041 |    |  |  | 42  | 2.97 | 194.62 | 0   |    | 28.66 | 502.69 | 40.7  | 986.151 |
| 05/11/2012 15:30 | 0.004  |    |  |  | 31  | 2.8  | 207.67 | 0   |    | 28.97 | 577.39 | 42.23 | 985.807 |
| 05/11/2012 16:30 | 0.0045 |    |  |  | 43  | 2.69 | 203.64 | 0   |    | 29.36 | 480.38 | 39.02 | 985.543 |
| 05/11/2012 17:30 | 0.0054 |    |  |  | 32  | 2.58 | 207.57 | 0   |    | 28.55 | 230.78 | 44.21 | 985.293 |
| 05/11/2012 18:30 | 0.0086 |    |  |  | 33  | 2.1  | 186.2  | 0   |    | 27.46 | 77.43  | 50.22 | 985.407 |
| 05/11/2012 19:30 | 0.0125 |    |  |  | 32  | 1.53 | 167.78 | 0   |    | 25.67 | 3.34   | 52.63 | 985.407 |
| 05/11/2012 20:30 | 0.018  |    |  |  | 54  | 0.5  | 206.98 | 0   |    | 24.5  | 2.66   | 55.51 | 985.842 |
| 05/11/2012 21:30 | 0.016  |    |  |  | 64  | 1.46 | 25.25  | 0   |    | 22.8  | 2.7    | 67.73 | 986.319 |
| 05/11/2012 22:30 | 0.0095 |    |  |  | 27  | 2.18 | 46.82  | 0   |    | 21.67 | 2.56   | 72.54 | 987.113 |
| 05/11/2012 23:30 | 0.0067 |    |  |  | 20  | 1.89 | 60.19  | 0   |    | 21.38 | 2.58   | 71.72 | 987.321 |
| 06/11/2012 00:30 | 0.0058 |    |  |  | 22  | 2.06 | 47.03  | 0   |    | 20.85 | 2.61   | 74.75 | 987.128 |
| 06/11/2012 01:30 | 0.0064 |    |  |  | 28  | 0.48 | 109.89 | 0   |    | 20.27 | 2.72   | 77.41 | 986.347 |
| 06/11/2012 02:30 | 0.0048 |    |  |  | 28  | 0.51 | 90.72  | 0   |    | 20.06 | 2.65   | 76.95 | 986.009 |
| 06/11/2012 03:30 | 0.0068 |    |  |  | 22  | 1.09 | 351.67 | 0   |    | 19.7  | 2.7    | 78.77 | 986.139 |
| 06/11/2012 04:30 | 0.0047 |    |  |  | 28  | 2.06 | 349.25 | 0   |    | 19.57 | 2.68   | 78.74 | 986.269 |
| 06/11/2012 05:30 | 0.0065 |    |  |  | 21  | 1.92 | 22.23  | 0   |    | 19.76 | 12.08  | 77.7  | 986.853 |
| 06/11/2012 06:30 | 0.0078 |    |  |  | 40  | 0.75 | 107.44 | 0   |    | 20.06 | 58.79  | 78.56 | 987.616 |
| 06/11/2012 07:30 | 0.0063 |    |  |  | 32  | 2.23 | 0.49   | 0   |    | 22.77 | 293.15 | 65.63 | 988.112 |
| 06/11/2012 08:30 | 0.005  |    |  |  | 31  | 3.4  | 341.78 | 0   |    | 25.77 | 564.73 | 51.36 | 988.333 |
| 06/11/2012 09:30 | 0.0044 | IC |  |  | 25  | 3.61 | 321.95 | 0   |    | 27.62 | 739.02 | 45.59 | 988.317 |
| 06/11/2012 10:30 | 0.0043 | IC |  |  | 28  | 2.48 | 298.95 | 0   |    | 28.79 | 877.69 | 41.53 | 988.284 |
| 06/11/2012 11:30 | 0.0038 |    |  |  | 24  | 2.36 | 258.09 | 0   |    | 29.28 | 816.5  | 40.49 | 987.931 |
| 06/11/2012 12:30 | 0.0041 |    |  |  | 50  | 2.7  | 230.84 | 0   |    | 29.98 | 977.27 | 39.65 | 987.63  |
| 06/11/2012 13:30 | 0.0066 |    |  |  | 83  | 2.53 | 228.64 | 1   | IU | 30.37 | 855.81 | 38.83 | 987.17  |
| 06/11/2012 14:30 | 0.0049 |    |  |  | 27  | 1.93 | 261.86 | 0   |    | 30.86 | 773.86 | 37.78 | 986.467 |
| 06/11/2012 15:30 | 0.0049 |    |  |  | 46  | 2.06 | 201.14 | 0   |    | 31.18 | 648.8  | 36.15 | 985.908 |
| 06/11/2012 16:30 | 0.0061 |    |  |  | 41  | 1.73 | 240.35 | 0   |    | 31.02 | 352.97 | 36.23 | 985.442 |
| 06/11/2012 17:30 | 0.0059 |    |  |  | 45  | 1.5  | 228.4  | 0   |    | 31.21 | 280.95 | 36.06 | 985.107 |
| 06/11/2012 18:30 | 0.0064 |    |  |  | 29  | 2.12 | 149.05 | 0   |    | 29.92 | 84.59  | 39.45 | 985.084 |
| 06/11/2012 19:30 | 0.014  |    |  |  | 40  | 1.2  | 172.1  | 0   |    | 27.35 | 3.71   | 50.18 | 985.27  |
| 06/11/2012 20:30 | 0.014  |    |  |  | 92  | 1.34 | 94.06  | 0   |    | 25.6  | 2.94   | 58.87 | 985.687 |
| 06/11/2012 21:30 | 0.0095 |    |  |  | 41  | 2.47 | 48.27  | 0   |    | 24.77 | 3.09   | 63.71 | 986.401 |
| 06/11/2012 22:30 | 0.0078 |    |  |  | 32  | 2.02 | 24.64  | 0   |    | 24.72 | 3.14   | 59.82 | 986.772 |
| 06/11/2012 23:30 | 0.0043 |    |  |  | 37  | 2.48 | 43.22  | 0   |    | 23.88 | 3.18   | 62.72 | 986.612 |
| 07/11/2012 00:30 | 0.0048 |    |  |  | 27  | 2.9  | 51.53  | 0   |    | 23.26 | 2.95   | 65.88 | 986.489 |
| 07/11/2012 01:30 | 0.0051 |    |  |  | 32  | 3.12 | 60.63  | 0   |    | 22.07 | 2.91   | 71.3  | 986.131 |
| 07/11/2012 02:30 | 0.0068 |    |  |  | 32  | 2.81 | 54.4   | 0   |    | 21.59 | 3.21   | 72.84 | 986.033 |
| 07/11/2012 03:30 | 0.0116 |    |  |  | 29  | 1.82 | 64.78  | 0   |    | 20.33 | 3.08   | 78.52 | 985.908 |
| 07/11/2012 04:30 | 0.0063 |    |  |  | 27  | 2.18 | 75.48  | 0   |    | 20.49 | 2.71   | 75.46 | 985.992 |
| 07/11/2012 05:30 | 0.005  |    |  |  | 23  | 2.38 | 63.2   | 0   |    | 20.26 | 14.45  | 75.04 | 986.448 |
| 07/11/2012 06:30 | 0.0059 |    |  |  | 44  | 2.02 | 81.33  | 0   |    | 20.82 | 70.43  | 74.78 | 986.998 |
| 07/11/2012 07:30 | 0.0044 |    |  |  | 25  | 2.54 | 63.37  | 0   |    | 23.77 | 284.44 | 61.1  | 987.305 |
| 07/11/2012 08:30 | 0.0047 |    |  |  | 41  | 3.74 | 15.29  | 0   |    | 26.8  | 543.74 | 37.06 | 987.738 |
| 07/11/2012 09:30 | 0.0048 |    |  |  | 24  | 4.38 | 8.94   | 0   |    | 28.38 | 743.51 | 33.83 | 987.53  |
| 07/11/2012 10:30 | 0.0042 |    |  |  | 21  | 5.04 | 22.56  | 0   |    | 29.49 | 888.51 | 31.97 | 987.172 |
| 07/11/2012 11:30 | 0.0028 |    |  |  | 16  | 5.07 | 37.97  | 0   |    | 30.73 | 969.61 | 29.22 | 986.723 |
| 07/11/2012 12:30 | 0.0027 |    |  |  | 15  | 4.73 | 69.47  | 0   |    | 31.37 | 855.12 | 27.49 | 986.491 |
| 07/11/2012 13:30 | 0.0027 |    |  |  | 21  | 3.55 | 81.29  | 0   |    | 31.91 | 812.74 | 27.93 | 986.195 |
| 07/11/2012 14:30 | 0.0025 |    |  |  | 17  | 4.24 | 82.04  | 0   |    | 32.37 | 789.25 | 24.74 | 985.708 |
| 07/11/2012 15:30 | 0.0027 |    |  |  | 13  | 3.98 | 82.56  | 0   |    | 32.56 | 575.72 | 23.97 | 985.125 |
| 07/11/2012 16:30 | 0.0029 |    |  |  | 20  | 3.49 | 68.91  | 0   |    | 32.5  | 496.61 | 23.98 | 984.717 |
| 07/11/2012 17:30 | 0.0027 |    |  |  | 16  | 3.51 | 70.92  | 0   |    | 31.81 | 234.4  | 25.78 | 984.111 |
| 07/11/2012 18:30 | 0.0066 |    |  |  | 35  | 2.85 | 59.68  | 0   |    | 29.84 | 90.05  | 35.15 | 983.721 |
| 07/11/2012 19:30 | 0.006  |    |  |  | 90  | 4.45 | 87.81  | 0   |    | 26.85 | 5.04   | 45.34 | 984.027 |
| 07/11/2012 20:30 | 0.0056 |    |  |  | 49  | 4.48 | 72.11  | 0   |    | 25.36 | 2.01   | 42.2  | 984.33  |
| 07/11/2012 21:30 | 0.0039 |    |  |  | 38  | 4.32 | 51.71  | 0   |    | 24.32 | 2.24   | 48.46 | 984.676 |
| 07/11/2012 22:30 | 0.0036 |    |  |  | 31  | 4.28 | 49.03  | 0   |    | 23.69 | 2.52   | 54.56 | 984.701 |
| 07/11/2012 23:30 | 0.0036 |    |  |  | 31  | 3.56 | 36.05  | 0   |    | 22.56 | 2.35   | 59.63 | 984.627 |
| 08/11/2012 00:30 | 0.0039 |    |  |  | 27  | 2.89 | 44.44  | 0   |    | 21.43 | 2.3    | 66.45 | 984.41  |
| 08/11/2012 01:30 | 0.0099 |    |  |  | 65  | 1.9  | 73     | 0   |    | 20.64 | 2.22   | 75.09 | 984.06  |
| 08/11/2012 02:30 | 0.0039 |    |  |  | 26  | 2.48 | 59.33  | 0   |    | 20.98 | 2.07   | 76.38 | 983.779 |
| 08/11/2012 03:30 | 0.0082 |    |  |  | 23  | 1.24 | 74.95  | 0   |    | 19.85 | 2.08   | 82.05 | 983.766 |
| 08/11/2012 04:30 | 0.0082 |    |  |  | 24  | 1.33 | 107.74 | 0   |    | 19.26 | 2.18   | 85.72 | 983.591 |
| 08/11/2012 05:30 | 0.0054 |    |  |  | 34  | 3.06 | 86.66  | 0   |    | 19.09 | 11.89  | 89.71 | 983.735 |
| 08/11/2012 06:30 | 0.0041 |    |  |  | 27  | 3.52 | 66.25  | 0   |    | 19.63 | 88.82  | 88.99 | 983.863 |
| 08/11/2012 07:30 | 0.0036 |    |  |  | 38  | 4.65 | 70.97  | 0   |    | 21.33 | 256.52 | 81.51 | 984.097 |
| 08/11/2012 08:30 | 0.0037 |    |  |  | 123 | 4.38 | 54.87  | 0   |    | 23.95 | 505.55 | 71.16 | 984.19  |
| 08/11/2012 09:30 | 0.0063 |    |  |  | 38  | 4.82 | 43.08  | 0   |    | 26.15 | 754.49 | 63.63 | 983.912 |
| 08/11/2012 10:30 | 0.0045 |    |  |  | 41  | 4.69 | 3.3    | 0   |    | 28.11 | 819.4  | 56.79 | 983.604 |
| 08/11/2012 11:30 | 0.0048 |    |  |  | 40  | 4.66 | 1.63   | 0   |    | 28.94 | 691.21 | 55.06 | 983.252 |
| 08/11/2012 12:30 | 0.0045 |    |  |  | 36  | 3.47 | 356.67 | 0   |    | 29.69 | 721.6  | 53.08 | 982.813 |
| 08/11/2012 13:30 | 0.0048 |    |  |  | 44  | 3.81 | 343.87 | 0   |    | 30.77 | 658.4  | 49.45 | 981.982 |
| 08/11/2012 14:30 | 0.0055 |    |  |  | 40  | 3.81 | 348.13 | 0   |    | 31.4  | 705.85 | 46.92 | 981.106 |
| 08/11/2012 15:30 | 0.0048 |    |  |  | 47  | 4.3  | 13.13  | 0.2 |    | 31.24 | 651.45 | 51.34 | 980.4   |
| 08/11/2012 16:30 | 0.0064 |    |  |  | 35  | 4.42 | 345.3  | 0   |    | 31.68 | 483.64 | 46.58 | 979.818 |
| 08/11/2012 17:30 | 0.006  |    |  |  | 44  | 5.11 | 350.8  | 0.8 |    | 30.1  | 257.82 | 51.18 | 979.452 |
| 08/11/2012 18:30 | 0.0162 |    |  |  | 30  | 2.4  | 8.04   | 0   |    | 27.77 | 57.65  | 65.41 | 979.264 |
| 08/11/2012 19:30 | 0.0083 |    |  |  | 23  | 3.84 | 344.98 | 0   |    | 26.94 | 5.12   | 68.21 | 979.278 |
| 08/11/2012 20:30 | 0.0102 |    |  |  | 29  | 2    | 32.42  | 0   |    | 25.57 | 2.24   | 74.99 | 979.662 |
| 08/11/2012 21:30 | 0.0146 |    |  |  | 27  | 0.91 | 28.47  | 0   |    | 24.98 | 2.21   | 77.1  | 980.051 |
| 08/11/2012 22:30 | 0.0189 |    |  |  | 36  | 1.8  | 33.13  | 0   |    | 24.23 | 2.18   | 82.5  | 980.263 |
| 08/11/2012 23:30 | 0.009  |    |  |  | 39  | 2.71 | 27.72  | 0   |    | 24.1  | 2.22   | 78.97 | 979.9   |
| 09/11/2012 00:30 | 0.0059 |    |  |  | 35  | 3.75 | 16.49  | 0   |    | 23.62 | 2.35   | 78.24 | 979.475 |
| 09/11/2012 01:30 | 0.005  |    |  |  | 37  | 3.31 | 39.45  | 0   |    | 23.08 | 2.54   | 80.15 | 978.844 |
| 09/11/2012 02:30 | 0.0055 |    |  |  | 38  | 2.49 | 45.26  | 0   |    | 22.32 | 2.35   | 83.03 | 979.036 |
| 09/11/2012 03:30 | 0.0058 |    |  |  | 39  | 2.6  | 43.09  | 0   |    | 21.79 | 2.44   | 85.25 | 979.687 |
| 09/11/2012 04:30 | 0.0081 |    |  |  | 34  | 1.07 | 47.91  | 0   |    | 20.84 | 2.39   | 87.85 | 980.075 |
| 09/11/2012 05:30 | 0.011  |    |  |  | 44  | 1.3  | 54.84  | 0   |    | 20.22 | 14.05  | 89.99 | 980.772 |
| 09/11/2012 06:30 | 0.0062 |    |  |  | 44  | 2.44 | 48.35  | 0   |    | 21.61 | 118.48 | 86.09 | 981.402 |
| 09/11/2012 07:30 | 0.0073 |    |  |  | 42  | 3.41 | 20.24  | 0   |    | 23.3  | 259.88 | 78.75 | 981.77  |
| 09/11/2012 08:30 | 0.0057 |    |  |  | 46  | 5.81 | 14.99  | 0   |    | 25.51 | 556.55 | 69.23 | 981.82  |
| 09/11/2012 09:30 | 0.0056 |    |  |  | 38  | 5.89 | 8.29   | 0   |    | 27.36 | 765.87 | 61.46 | 982.051 |
| 09/11/2012 10:30 | 0.0054 |    |  |  | 985 | IU   | 341    |     |    |       |        |       |         |

|                  |        |  |    |  |     |      |        |      |       |        |       |         |
|------------------|--------|--|----|--|-----|------|--------|------|-------|--------|-------|---------|
| 10/11/2012 05:30 | 0.0078 |  |    |  | 45  | 3.67 | 162.78 | 0    | 20.65 | 10.48  | 91.35 | 982.052 |
| 10/11/2012 06:30 | 0.0043 |  |    |  | 26  | 5.08 | 135.34 | 0    | 20.67 | 54.76  | 91.73 | 982.026 |
| 10/11/2012 07:30 | 0.0041 |  |    |  | 28  | 5.37 | 144.37 | 0    | 21.07 | 78.12  | 89.7  | 983.224 |
| 10/11/2012 08:30 | 0.0037 |  |    |  | 23  | 7.02 | 127.87 | 0    | 22.22 | 195.05 | 83.14 | 983.696 |
| 10/11/2012 09:30 | 0.0031 |  |    |  | 12  | 7    | 120.24 | 0.4  | 24.19 | 380.87 | 71.49 | 983.969 |
| 10/11/2012 10:30 | 0.0042 |  |    |  | 18  | 5.87 | 138.03 | 0    | 24.05 | 108.34 | 73.59 | 983.934 |
| 10/11/2012 11:30 | 0.0047 |  |    |  | 17  | 4.08 | 145.35 | 3.8  | 21.72 | 35.96  | 87.39 | 984.738 |
| 10/11/2012 12:30 | 0.0039 |  |    |  | 15  | 5.01 | 130.24 | 3.4  | 19.99 | 44.42  | 90.68 | 985.363 |
| 10/11/2012 13:30 | 0.0046 |  |    |  | 13  | 5.57 | 132.06 | 10.2 | 19.84 | 139.01 | 92.28 | 984.528 |
| 10/11/2012 14:30 | 0.0036 |  |    |  | 14  | 5.12 | 136.07 | 2.2  | 20.09 | 66.82  | 91.78 | 984.05  |
| 10/11/2012 15:30 | 0.0033 |  |    |  | 14  | 5.9  | 145.92 | 3.8  | 19.89 | 86.18  | 91.03 | 984.418 |
| 10/11/2012 16:30 | 0.0036 |  |    |  | 18  | 5.62 | 135.04 | 0    | 20.02 | 124.2  | 90.36 | 984.136 |
| 10/11/2012 17:30 | 0.0047 |  |    |  | 16  | 5.08 | 139.04 | 0    | 20.15 | 48.76  | 88.72 | 984.103 |
| 10/11/2012 18:30 | 0.0091 |  |    |  | 15  | 5.22 | 152.96 | 1.2  | 19.97 | 8.2    | 89.51 | 984.958 |
| 10/11/2012 19:30 | 0.0037 |  |    |  | 16  | 3.72 | 122.55 | 1    | 19.52 | 2.33   | 91.24 | 985.352 |
| 10/11/2012 20:30 | 0.0056 |  |    |  | 10  | 2    | 134.57 | 0.8  | 19.19 | 2.18   | 91.83 | 985.439 |
| 10/11/2012 21:30 | 0.0041 |  |    |  | 12  | 3.81 | 138.25 | 0.2  | 19.07 | 2.21   | 91.94 | 985.35  |
| 10/11/2012 22:30 | 0.0071 |  |    |  | 11  | 4.82 | 167.43 | 0    | 18.81 | 2.1    | 92.19 | 986.032 |
| 10/11/2012 23:30 | 0.0084 |  |    |  | 15  | 5.11 | 160.48 | 0    | 18.24 | 2.07   | 93.14 | 985.913 |
| 11/11/2012 00:30 | 0.0054 |  |    |  | 9   | 5.72 | 169.42 | 0    | 17.76 | 2.13   | 92.97 | 985.603 |
| 11/11/2012 01:30 | 0.0031 |  |    |  | 8   | 5.89 | 175.87 | 0.2  | 17.41 | 2.07   | 92.95 | 985.022 |
| 11/11/2012 02:30 | 0.0028 |  |    |  | 9   | 7.24 | 175.82 | 0    | 16.4  | 2.06   | 93.49 | 985.155 |
| 11/11/2012 03:30 | 0.0028 |  |    |  | 11  | 6.96 | 171.47 | 0    | 15.71 | 2.05   | 93.6  | 985.168 |
| 11/11/2012 04:30 | 0.003  |  |    |  | 11  | 6.71 | 175.53 | 0    | 14.97 | 2.08   | 93.49 | 985.599 |
| 11/11/2012 05:30 | 0.0028 |  |    |  | 11  | 6.43 | 178.45 | 0    | 14.51 | 5.26   | 93.13 | 986.234 |
| 11/11/2012 06:30 | 0.003  |  |    |  | 11  | 6.57 | 174.96 | 0    | 14.46 | 38.95  | 93.18 | 986.732 |
| 11/11/2012 07:30 | 0.005  |  |    |  | 17  | 7.06 | 165.56 | 0    | 14.67 | 136.03 | 92.04 | 987.264 |
| 11/11/2012 08:30 | 0.0067 |  |    |  | 11  | 8.13 | 150.82 | 0    | 16.05 | 312.62 | 86.77 | 987.585 |
| 11/11/2012 09:30 | 0.0038 |  |    |  | 11  | 7.66 | 145.37 | 0.6  | 18.19 | 463.24 | 81.87 | 987.884 |
| 11/11/2012 10:30 | 0.0046 |  |    |  | 34  | 7.29 | 133.56 | 0    | 18.98 | 511.96 | 78.47 | 988.171 |
| 11/11/2012 11:30 | 0.0052 |  |    |  | 52  | 7.36 | 133.1  | 0    | 20.42 | 572.46 | 74.98 | 987.93  |
| 11/11/2012 12:30 | 0.0045 |  |    |  | 37  | 5.69 | 135.46 | 0    | 20.6  | 364.32 | 75.71 | 988.129 |
| 11/11/2012 13:30 | 0.004  |  |    |  | 16  | 5.43 | 142.46 | 0    | 20.88 | 387.72 | 76.93 | 988.074 |
| 11/11/2012 14:30 | 0.004  |  |    |  | 17  | 5.86 | 135.03 | 0    | 21.68 | 489.14 | 73.43 | 987.585 |
| 11/11/2012 15:30 | 0.0039 |  |    |  | 19  | 6.8  | 137.17 | 0    | 22.34 | 450.17 | 71.04 | 987.422 |
| 11/11/2012 16:30 | 0.0048 |  |    |  | 21  | 7.75 | 137.51 | 0    | 22.11 | 338.59 | 72.62 | 987.452 |
| 11/11/2012 17:30 | 0.0039 |  |    |  | 13  | 8.3  | 140.35 | 0.4  | 20.65 | 169    | 78.72 | 987.747 |
| 11/11/2012 18:30 | 0.0042 |  |    |  | 13  | 7.16 | 131.77 | 0    | 19.27 | 28.03  | 84.55 | 988.292 |
| 11/11/2012 19:30 | 0.0028 |  |    |  | 15  | 5.64 | 130.62 | 0    | 18.63 | 3.18   | 85.96 | 989.09  |
| 11/11/2012 20:30 | 0.0028 |  |    |  | 8   | 5.39 | 137.81 | 0    | 17.82 | 2.26   | 89.85 | 989.681 |
| 11/11/2012 21:30 | 0.0028 |  |    |  | 9   | 4.84 | 135.26 | 0    | 17.18 | 2.2    | 91.69 | 990.203 |
| 11/11/2012 22:30 | 0.0028 |  |    |  | 11  | 4.96 | 147.73 | 0    | 16.92 | 2.18   | 90.97 | 990.453 |
| 11/11/2012 23:30 | 0.0073 |  |    |  | 9   | 5.29 | 153.4  | 0.2  | 16.4  | 2.06   | 91.69 | 990.517 |
| 12/11/2012 00:30 | 0.0036 |  |    |  | 6   | 5.81 | 145.42 | 0    | 15.55 | 2      | 92.75 | 990.253 |
| 12/11/2012 01:30 | 0.0027 |  |    |  | 8   | 5.52 | 151.19 | 0    | 15.01 | 1.92   | 92.56 | 989.893 |
| 12/11/2012 02:30 | 0.0064 |  |    |  | 9   | 4.98 | 153.61 | 0    | 14.84 | 1.98   | 91.42 | 989.844 |
| 12/11/2012 03:30 | 0.0042 |  |    |  | 9   | 5    | 150.89 | 0    | 14.82 | 1.96   | 91.15 | 989.962 |
| 12/11/2012 04:30 | 0.0029 |  |    |  | 11  | 5.24 | 146.49 | 0    | 14.56 | 1.93   | 91.53 | 989.865 |
| 12/11/2012 05:30 | 0.0045 |  |    |  | 16  | 4.31 | 152.69 | 0    | 14.51 | 6.32   | 91.24 | 990.044 |
| 12/11/2012 06:30 | 0.0053 |  |    |  | 10  | 5.08 | 174.78 | 0    | 14.45 | 18.3   | 91    | 990.948 |
| 12/11/2012 07:30 | 0.0036 |  |    |  | 8   | 6.15 | 175.5  | 3    | 14.06 | 40.53  | 92.57 | 991.785 |
| 12/11/2012 08:30 | 0.0061 |  |    |  | 9   | 6.71 | 151.28 | 0.4  | 14.08 | 199.58 | 92.12 | 992.158 |
| 12/11/2012 09:30 | 0.0029 |  |    |  | 11  | 7.45 | 120.21 | 0.4  | 14.93 | 389.09 | 88.6  | 992.217 |
| 12/11/2012 10:30 | 0.0027 |  |    |  | 17  | 6.45 | 115.02 | 0    | 16.42 | 677.54 | 79.78 | 992.53  |
| 12/11/2012 11:30 | 0.0026 |  |    |  | 9   | 6.13 | 127.03 | 0    | 17.66 | 570.53 | 73.88 | 992.44  |
| 12/11/2012 12:30 | 0.0031 |  |    |  | 10  | 5.69 | 137.22 | 0    | 18.53 | 469.9  | 68.95 | 992.069 |
| 12/11/2012 13:30 | 0.0031 |  |    |  | 19  | 5.8  | 139.08 | 0    | 19.37 | 363.93 | 65.58 | 991.543 |
| 12/11/2012 14:30 | 0.0029 |  |    |  | 15  | 6.98 | 133.4  | 0    | 19.73 | 289.97 | 63.77 | 991.241 |
| 12/11/2012 15:30 | 0.0028 |  |    |  | 18  | 8.24 | 139.33 | 0.2  | 19.31 | 275.25 | 66.84 | 991.258 |
| 12/11/2012 16:30 | 0.0027 |  |    |  | 22  | 8.39 | 127.85 | 0    | 19.38 | 282.68 | 66.48 | 991.542 |
| 12/11/2012 17:30 | 0.0027 |  |    |  | 18  | 8.07 | 123.09 | 0    | 18.39 | 129.29 | 71.65 | 991.973 |
| 12/11/2012 18:30 | 0.0027 |  |    |  | 15  | 6.22 | 129.64 | 0    | 16.76 | 65.57  | 83.56 | 992.707 |
| 12/11/2012 19:30 | 0.0028 |  |    |  | 13  | 5.35 | 126.48 | 0    | 16.32 | 4.19   | 83.78 | 993.138 |
| 12/11/2012 20:30 | 0.0028 |  |    |  | 18  | 4.92 | 134.62 | 0    | 15.78 | 2.03   | 82.83 | 993.553 |
| 12/11/2012 21:30 | 0.0027 |  |    |  | 15  | 4.98 | 138.42 | 0    | 15.31 | 2.13   | 82.88 | 994.132 |
| 12/11/2012 22:30 | 0.0028 |  |    |  | 17  | 3.97 | 139.79 | 0    | 14.81 | 2.25   | 84.8  | 994.268 |
| 12/11/2012 23:30 | 0.0028 |  |    |  | 14  | 3.69 | 147.61 | 0    | 14.41 | 2.41   | 86.23 | 993.963 |
| 13/11/2012 00:30 | 0.0036 |  |    |  | 12  | 4.23 | 152.58 | 0    | 14.2  | 2.58   | 87.48 | 993.588 |
| 13/11/2012 01:30 | 0.0041 |  |    |  | 12  | 2.83 | 146.35 | 0    | 13.86 | 2.45   | 88.91 | 993.378 |
| 13/11/2012 02:30 | 0.0035 |  |    |  | 14  | 4.03 | 149.03 | 0    | 13.83 | 2.66   | 89.59 | 993.037 |
| 13/11/2012 03:30 | 0.0089 |  |    |  | 11  | 3.39 | 165.88 | 0    | 13.64 | 2.71   | 90.66 | 992.986 |
| 13/11/2012 04:30 | 0.0037 |  |    |  | 17  | 3.16 | 204.22 | 0    | 13.2  | 2.67   | 92.01 | 993.065 |
| 13/11/2012 05:30 | 0.0043 |  |    |  | 16  | 3.41 | 188.66 | 0    | 12.84 | 7.17   | 93.01 | 993.378 |
| 13/11/2012 06:30 | 0.0068 |  |    |  | 15  | 3.47 | 157.15 | 0    | 13.41 | 64.98  | 93.13 | 993.796 |
| 13/11/2012 07:30 | 0.0061 |  |    |  | 17  | 4.33 | 153.2  | 0    | 14.26 | 255.01 | 89.74 | 994.327 |
| 13/11/2012 08:30 | 0.0028 |  |    |  | 15  | 6.05 | 137    | 0    | 15.95 | 346.43 | 79.34 | 994.683 |
| 13/11/2012 09:30 | 0.0026 |  |    |  | 15  | 5.6  | 128.31 | 0    | 17.66 | 608.25 | 70.64 | 994.783 |
| 13/11/2012 10:30 | 0.0027 |  |    |  | 12  | 5.76 | 124.38 | 0    | 19.29 | 752.71 | 62.47 | 994.467 |
| 13/11/2012 11:30 | 0.0027 |  |    |  | 16  | 6.82 | 131.54 | 0    | 20.34 | 693.96 | 61.31 | 994.156 |
| 13/11/2012 12:30 | 0.0028 |  |    |  | 16  | 6.87 | 125.38 | 0    | 20.9  | 752.46 | 61.05 | 993.999 |
| 13/11/2012 13:30 | 0.0027 |  | IU |  | 985 | 7.88 | 118.08 | 0    | 21.75 | 872.74 | 55.93 | 993.626 |
| 13/11/2012 14:30 | 0.0026 |  |    |  | 20  | 8.36 | 119.31 | 1.2  | 21.69 | 802.99 | 59.74 | 993.334 |
| 13/11/2012 15:30 | 0.0026 |  |    |  | 12  | 7.33 | 118.48 | 1    | 21.73 | 608.46 | 58.71 | 992.852 |
| 13/11/2012 16:30 | 0.0028 |  |    |  | 19  | 6.88 | 118.09 | 0    | 21.86 | 461.64 | 57.14 | 992.524 |
| 13/11/2012 17:30 | 0.0027 |  |    |  | 18  | 6.41 | 110.29 | 0.2  | 21.01 | 146.95 | 61.8  | 992.092 |
| 13/11/2012 18:30 | 0.0028 |  |    |  | 17  | 6.36 | 109.69 | 0    | 20.12 | 39.86  | 64.77 | 992.292 |
| 13/11/2012 19:30 | 0.003  |  |    |  | 14  | 4.52 | 110.84 | 0    | 18.87 | 3.78   | 73.43 | 992.97  |
| 13/11/2012 20:30 | 0.003  |  |    |  | 20  | 4.78 | 105.1  | 0    | 17.68 | 2.17   | 78.71 | 993.157 |
| 13/11/2012 21:30 | 0.0032 |  |    |  | 18  | 5.64 | 103.71 | 0    | 17.29 | 2.2    | 79.54 | 993.177 |
| 13/11/2012 22:30 | 0.003  |  |    |  | 17  | 4.87 | 100.93 | 0    | 16.57 | 2.26   | 82.95 | 993.434 |
| 13/11/2012 23:30 | 0.0033 |  |    |  | 13  | 4.16 | 114.15 | 0    | 15.79 | 2.2    | 87.39 | 993.359 |
| 14/11/2012 00:30 | 0.0058 |  |    |  | 12  | 3.31 | 79.2   | 0    | 15.73 | 2.09   | 88.26 | 993.089 |
| 14/11/2012 01:30 | 0.004  |  |    |  | 12  | 2.74 | 102.59 | 0    | 15.14 | 2.42   | 90.3  | 992.585 |
| 14/11/2012 02:30 | 0.0045 |  |    |  | 11  | 2.21 | 91.89  | 0    | 14.8  | 2.24   | 91.28 | 992.1   |
| 14/11/2012 03:30 | 0.0041 |  |    |  | 17  | 2.55 | 78.53  | 0    | 14.94 | 2.26   | 91.76 | 991.927 |
| 14/11/2012 04:30 | 0.0036 |  |    |  | 14  | 1.31 | 88.11  | 0    | 15.11 | 2.24   | 91.25 | 992.206 |
| 14/11/2012 05:30 | 0.0043 |  |    |  | 15  | 2.07 | 111.94 | 0    | 15.16 | 15.88  | 90.44 | 992.493 |
| 14/11/2012 06:30 | 0.0039 |  |    |  | 16  | 3.99 | 118.16 | 0    | 15.59 | 113.08 | 88.48 | 992.867 |
| 14/11/2012 07:30 | 0.0029 |  |    |  | 17  | 5.87 | 104.01 | 0    | 17.1  | 327.12 | 81.59 | 993.141 |
| 14/11/2012 08:30 | 0.0031 |  |    |  | 19  | 6.86 | 98.95  | 0    | 19.03 | 597.2  | 69.47 | 993.436 |
|                  |        |  |    |  |     |      |        |      |       |        |       |         |

|                  |        |  |  |  |    |      |        |      |       |         |       |         |
|------------------|--------|--|--|--|----|------|--------|------|-------|---------|-------|---------|
| 15/11/2012 01:30 | 0.006  |  |  |  | 13 | 5.58 | 58.92  | 0    | 15.95 | 2.16    | 88.37 | 989.478 |
| 15/11/2012 02:30 | 0.0052 |  |  |  | 13 | 4.62 | 58.5   | 0    | 15.78 | 2.13    | 89.01 | 988.92  |
| 15/11/2012 03:30 | 0.003  |  |  |  | 12 | 4.25 | 64.66  | 0    | 15.55 | 2.27    | 89.87 | 988.905 |
| 15/11/2012 04:30 | 0.003  |  |  |  | 13 | 3.49 | 75.88  | 0    | 15.11 | 2.22    | 90.78 | 988.755 |
| 15/11/2012 05:30 | 0.0029 |  |  |  | 16 | 2.81 | 59.75  | 0    | 15.21 | 20.33   | 91.18 | 988.832 |
| 15/11/2012 06:30 | 0.003  |  |  |  | 15 | 2.48 | 89.88  | 0    | 15.87 | 114.34  | 89.21 | 989.507 |
| 15/11/2012 07:30 | 0.0027 |  |  |  | 18 | 5.18 | 73.35  | 0    | 17.75 | 351.02  | 82.03 | 989.78  |
| 15/11/2012 08:30 | 0.0029 |  |  |  | 13 | 7.28 | 62.72  | 0    | 19.78 | 610.21  | 72.46 | 990.232 |
| 15/11/2012 09:30 | 0.0025 |  |  |  | 18 | 6.56 | 66.5   | 0    | 21.24 | 715.93  | 65.9  | 990.183 |
| 15/11/2012 10:30 | 0.0026 |  |  |  | 12 | 6.09 | 70.03  | 0    | 22.7  | 750.49  | 58.85 | 989.835 |
| 15/11/2012 11:30 | 0.0028 |  |  |  | 12 | 5.4  | 76.15  | 0    | 23.7  | 819.56  | 54.03 | 989.198 |
| 15/11/2012 12:30 | 0.0027 |  |  |  | 11 | 4.84 | 78.81  | 0    | 24.66 | 709.47  | 49.03 | 988.362 |
| 15/11/2012 13:30 | 0.0029 |  |  |  | 10 | 4.9  | 85.5   | 0    | 25.29 | 674.51  | 46.83 | 987.654 |
| 15/11/2012 14:30 | 0.003  |  |  |  | 16 | 5.54 | 99.41  | 0    | 25.23 | 509.68  | 50.15 | 986.855 |
| 15/11/2012 15:30 | 0.0033 |  |  |  | 19 | 7.32 | 88.96  | 0.4  | 24.99 | 530.03  | 56.11 | 986.284 |
| 15/11/2012 16:30 | 0.0035 |  |  |  | 17 | 8.07 | 90.33  | 1.6  | 24.91 | 554     | 57.66 | 986.085 |
| 15/11/2012 17:30 | 0.0034 |  |  |  | 22 | 8.5  | 94.27  | 0.4  | 24.11 | 312.74  | 60.71 | 985.972 |
| 15/11/2012 18:30 | 0.0039 |  |  |  | 23 | 8.52 | 87.42  | 1.6  | 22.86 | 103.1   | 66.94 | 986.207 |
| 15/11/2012 19:30 | 0.0036 |  |  |  | 27 | 6.88 | 85.73  | 0    | 21.24 | 4.84    | 72.85 | 986.594 |
| 15/11/2012 20:30 | 0.0032 |  |  |  | 18 | 5.36 | 76.3   | 0    | 20.18 | 2.54    | 76.55 | 987.312 |
| 15/11/2012 21:30 | 0.0034 |  |  |  | 19 | 4.83 | 65.98  | 0    | 19.49 | 2.52    | 77.42 | 988.1   |
| 15/11/2012 22:30 | 0.0034 |  |  |  | 14 | 4.77 | 64.26  | 0    | 18.9  | 2.42    | 76.84 | 988.381 |
| 15/11/2012 23:30 | 0.0034 |  |  |  | 18 | 5.03 | 63.75  | 0    | 18.3  | 2.3     | 80.11 | 988.525 |
| 16/11/2012 00:30 | 0.0032 |  |  |  | 14 | 5.13 | 66.09  | 0    | 17.79 | 2.1     | 83.53 | 988.322 |
| 16/11/2012 01:30 | 0.0032 |  |  |  | 16 | 4.85 | 67.53  | 0    | 17.46 | 2.09    | 85.93 | 987.639 |
| 16/11/2012 02:30 | 0.0031 |  |  |  | 17 | 3.85 | 67.49  | 0    | 17.41 | 2.2     | 86.45 | 987.168 |
| 16/11/2012 03:30 | 0.0028 |  |  |  | 14 | 4.74 | 60.31  | 0    | 17.62 | 2.23    | 85.88 | 987.055 |
| 16/11/2012 04:30 | 0.003  |  |  |  | 25 | 3.77 | 50.06  | 0    | 17.41 | 2.19    | 86.24 | 987.487 |
| 16/11/2012 05:30 | 0.0033 |  |  |  | 19 | 3.28 | 66.78  | 0    | 17.08 | 18.26   | 87.42 | 988.314 |
| 16/11/2012 06:30 | 0.0033 |  |  |  | 20 | 3.42 | 67.25  | 0    | 17.86 | 128.65  | 85.7  | 989.183 |
| 16/11/2012 07:30 | 0.003  |  |  |  | 21 | 5.54 | 58.9   | 0    | 19.71 | 355.82  | 77.72 | 989.992 |
| 16/11/2012 08:30 | 0.0028 |  |  |  | 14 | 7.05 | 54.98  | 0    | 21.74 | 591.58  | 67.13 | 990.546 |
| 16/11/2012 09:30 | 0.0028 |  |  |  | 15 | 6.73 | 48.02  | 0    | 23.34 | 777.96  | 59.56 | 990.499 |
| 16/11/2012 10:30 | 0.0025 |  |  |  | 16 | 5.83 | 44.43  | 0    | 24.38 | 923.66  | 54.44 | 990.521 |
| 16/11/2012 11:30 | 0.0028 |  |  |  | 13 | 5.35 | 36.75  | 0    | 25.39 | 1011.38 | 50.27 | 990.298 |
| 16/11/2012 12:30 | 0.0028 |  |  |  | 18 | 4.68 | 36.07  | 0    | 26.33 | 1052.85 | 46.98 | 989.85  |
| 16/11/2012 13:30 | 0.0029 |  |  |  | 12 | 4.06 | 50.29  | 0    | 27.19 | 910.9   | 45.28 | 989.392 |
| 16/11/2012 14:30 | 0.0027 |  |  |  | 20 | 3.73 | 75.33  | 0    | 27.75 | 860.3   | 42.94 | 988.875 |
| 16/11/2012 15:30 | 0.0028 |  |  |  | 16 | 4.54 | 81.86  | 0    | 27.87 | 611.21  | 42.22 | 988.242 |
| 16/11/2012 16:30 | 0.0032 |  |  |  | 25 | 5.2  | 90.27  | 0    | 27.8  | 451.21  | 42.6  | 987.93  |
| 16/11/2012 17:30 | 0.0033 |  |  |  | 21 | 7.15 | 92.95  | 0    | 26.95 | 289.29  | 49.6  | 987.848 |
| 16/11/2012 18:30 | 0.003  |  |  |  | 29 | 7.49 | 98.91  | 1    | 25.33 | 106.5   | 54.73 | 988.342 |
| 16/11/2012 19:30 | 0.004  |  |  |  | 25 | 6.66 | 96.49  | 0    | 23.39 | 4.69    | 62.65 | 989.079 |
| 16/11/2012 20:30 | 0.0066 |  |  |  | 19 | 6.69 | 87.86  | 0    | 22    | 2.4     | 70.25 | 989.709 |
| 16/11/2012 21:30 | 0.0033 |  |  |  | 24 | 7.23 | 78.48  | 0    | 20.93 | 2.68    | 77.71 | 990.498 |
| 16/11/2012 22:30 | 0.0034 |  |  |  | 18 | 4.77 | 63.31  | 0    | 19.99 | 2.53    | 81.41 | 991.169 |
| 16/11/2012 23:30 | 0.0033 |  |  |  | 11 | 4.76 | 45.28  | 0    | 19.33 | 2.41    | 83.43 | 991.317 |
| 17/11/2012 00:30 | 0.0033 |  |  |  | 10 | 4.41 | 48.49  | 0    | 18.7  | 2.38    | 84.84 | 991.279 |
| 17/11/2012 01:30 | 0.0031 |  |  |  | 11 | 4.34 | 56.71  | 0    | 18.08 | 2.29    | 85.55 | 990.859 |
| 17/11/2012 02:30 | 0.0031 |  |  |  | 16 | 3.53 | 54.34  | 0    | 17.71 | 2.3     | 85.96 | 990.726 |
| 17/11/2012 03:30 | 0.0031 |  |  |  | 14 | 4.2  | 58.61  | 0    | 17.41 | 2.24    | 86.89 | 990.822 |
| 17/11/2012 04:30 | 0.0031 |  |  |  | 10 | 3.64 | 59.28  | 0    | 17.02 | 2.28    | 88.49 | 990.907 |
| 17/11/2012 05:30 | 0.0034 |  |  |  | 9  | 2.94 | 58.43  | 0    | 16.58 | 18.99   | 89.51 | 991.805 |
| 17/11/2012 06:30 | 0.0031 |  |  |  | 16 | 2.95 | 55.82  | 0    | 17.37 | 147.5   | 87.84 | 992.739 |
| 17/11/2012 07:30 | 0.0027 |  |  |  | 11 | 5.92 | 55.78  | 0    | 18.86 | 270.44  | 82.55 | 993.719 |
| 17/11/2012 08:30 | 0.0026 |  |  |  | 19 | 7.87 | 64.52  | 0    | 21.23 | 614.56  | 70.27 | 993.969 |
| 17/11/2012 09:30 | 0.0026 |  |  |  | 17 | 8.51 | 57.99  | 0    | 23.15 | 804.9   | 58.55 | 993.916 |
| 17/11/2012 10:30 | 0.0025 |  |  |  | 13 | 7.82 | 51.36  | 0    | 24.48 | 912.37  | 51.88 | 993.61  |
| 17/11/2012 11:30 | 0.0028 |  |  |  | 12 | 7.31 | 55.97  | 0    | 25.63 | 991.68  | 46.41 | 993.256 |
| 17/11/2012 12:30 | 0.0025 |  |  |  | 17 | 6.45 | 47.62  | 0.2  | 26.47 | 1026.15 | 43.03 | 992.701 |
| 17/11/2012 13:30 | 0.0026 |  |  |  | 19 | 6.57 | 46.71  | 0    | 27.12 | 972.36  | 40.53 | 991.974 |
| 17/11/2012 14:30 | 0.0029 |  |  |  | 67 | 7    | 62.67  | 0    | 27.92 | 904.17  | 39.58 | 991.04  |
| 17/11/2012 15:30 | 0.0029 |  |  |  | 23 | 7.54 | 59.27  | 0    | 27.97 | 756.69  | 40.7  | 990.228 |
| 17/11/2012 16:30 | 0.0031 |  |  |  | 44 | 8.29 | 75.1   | 0    | 27.41 | 519.49  | 46.5  | 989.793 |
| 17/11/2012 17:30 | 0.0028 |  |  |  | 31 | 8.33 | 73.56  | 0.2  | 26.58 | 314.11  | 49.86 | 989.717 |
| 17/11/2012 18:30 | 0.0031 |  |  |  | 29 | 7.58 | 75.19  | 0    | 24.75 | 57.84   | 56.01 | 989.832 |
| 17/11/2012 19:30 | 0.0033 |  |  |  | 21 | 6.29 | 77.77  | 0    | 22.91 | 4.32    | 65.55 | 990.156 |
| 17/11/2012 20:30 | 0.0034 |  |  |  | 18 | 6.82 | 71.58  | 0    | 21.66 | 2.65    | 70.98 | 990.521 |
| 17/11/2012 21:30 | 0.0033 |  |  |  | 13 | 6.51 | 67.1   | 0    | 20.61 | 2.62    | 74.93 | 991.023 |
| 17/11/2012 22:30 | 0.0033 |  |  |  | 14 | 6.27 | 65     | 0    | 19.92 | 2.87    | 75.81 | 990.923 |
| 17/11/2012 23:30 | 0.0031 |  |  |  | 15 | 7.52 | 64.55  | 0    | 19.52 | 2.39    | 76.02 | 990.491 |
| 18/11/2012 00:30 | 0.003  |  |  |  | 5  | 6.73 | 61.01  | 0    | 19.28 | 2.15    | 78.31 | 990.307 |
| 18/11/2012 01:30 | 0.0029 |  |  |  | 9  | 6.53 | 52.33  | 0    | 19.37 | 2.08    | 78.38 | 989.992 |
| 18/11/2012 02:30 | 0.0031 |  |  |  | 12 | 5.58 | 60.02  | 0    | 19.11 | 2.09    | 79.52 | 989.593 |
| 18/11/2012 03:30 | 0.0031 |  |  |  | 11 | 5.64 | 52.91  | 0    | 18.98 | 2.09    | 80.33 | 989.361 |
| 18/11/2012 04:30 | 0.0028 |  |  |  | 11 | 6.11 | 48.24  | 0    | 18.86 | 2.11    | 81.83 | 989.27  |
| 18/11/2012 05:30 | 0.0028 |  |  |  | 11 | 5.05 | 52.99  | 0    | 18.7  | 25.55   | 83.47 | 989.652 |
| 18/11/2012 06:30 | 0.0029 |  |  |  | 11 | 5.69 | 51.51  | 0    | 19.37 | 129.99  | 81.29 | 989.874 |
| 18/11/2012 07:30 | 0.0026 |  |  |  | 12 | 6.2  | 45.51  | 0    | 20.32 | 243.47  | 77.3  | 990.241 |
| 18/11/2012 08:30 | 0.0028 |  |  |  | 23 | 6.54 | 42.64  | 0    | 22.09 | 478.51  | 70.2  | 990.316 |
| 18/11/2012 09:30 | 0.0032 |  |  |  | 29 | 5.88 | 40.64  | 0    | 24.08 | 762.47  | 63.12 | 990.291 |
| 18/11/2012 10:30 | 0.0031 |  |  |  | 21 | 4.34 | 27.03  | 0    | 25.61 | 899.03  | 57.99 | 989.983 |
| 18/11/2012 11:30 | 0.0031 |  |  |  | 19 | 2.41 | 35.49  | 0    | 27.06 | 1005.4  | 52.98 | 989.582 |
| 18/11/2012 12:30 | 0.0031 |  |  |  | 23 | 2.57 | 16.14  | 0    | 28.16 | 1005    | 49.02 | 988.658 |
| 18/11/2012 13:30 | 0.0031 |  |  |  | 21 | 2.46 | 36.81  | 0    | 29.26 | 970.42  | 45.04 | 987.951 |
| 18/11/2012 14:30 | 0.0029 |  |  |  | 21 | 2.3  | 40.16  | 0    | 29.96 | 885.35  | 41.19 | 987.192 |
| 18/11/2012 15:30 | 0.0033 |  |  |  | 19 | 1.97 | 5.95   | 0    | 30.19 | 676.71  | 41.23 | 986.261 |
| 18/11/2012 16:30 | 0.0029 |  |  |  | 24 | 2.19 | 79.73  | 0    | 30.56 | 516.33  | 41.68 | 985.418 |
| 18/11/2012 17:30 | 0.003  |  |  |  | 22 | 2.06 | 91.43  | 0    | 30.58 | 304.96  | 40.99 | 984.859 |
| 18/11/2012 18:30 | 0.0033 |  |  |  | 25 | 2.16 | 101.97 | 0    | 29.66 | 100.05  | 45.51 | 984.646 |
| 18/11/2012 19:30 | 0.0044 |  |  |  | 35 | 4.71 | 94.92  | 0    | 26.86 | 2.81    | 63.05 | 984.946 |
| 18/11/2012 20:30 | 0.0048 |  |  |  | 30 | 3.85 | 82.81  | 0    | 24.88 | 2.21    | 71    | 984.976 |
| 18/11/2012 21:30 | 0.0041 |  |  |  | 28 | 4.66 | 68.93  | 0    | 24.16 | 2.3     | 71.61 | 985.331 |
| 18/11/2012 22:30 | 0.0043 |  |  |  | 29 | 4.53 | 54.52  | 0    | 23.75 | 2.26    | 71.67 | 985.363 |
| 18/11/2012 23:30 | 0.0043 |  |  |  | 34 | 4.08 | 41.26  | 1.8  | 23.39 | 2.41    | 72.18 | 985.835 |
| 19/11/2012 00:30 | 0.0038 |  |  |  | 14 | 8.48 | 335.16 | 10.4 | 20.02 | 2.37    | 86.94 | 986.349 |
| 19/11/2012 01:30 | 0.0038 |  |  |  | 12 | 4.66 | 12     | 1.4  | 19.62 | 2.55    | 87.61 | 985.315 |
| 19/11/2012 02:30 | 0.0037 |  |  |  | 8  | 6.57 | 0.55   | 0.2  | 19.79 | 2.46    | 84.3  | 984.546 |
| 19/11/2012 03:30 | 0.0035 |  |  |  | 9  | 5.97 | 13.59  | 0    | 19.61 | 2.4     | 85.43 | 983.093 |
| 19/11/2012 04:30 | 0.0037 |  |  |  | 11 | 5.26 | 347.95 | 0    | 19.2  | 2.39    | 86.88 | 983.152 |
| 19/11/2012 05:30 | 0.0045 |  |  |  | 20 | 3.18 | 315.1  | 0    | 19.41 | 10.74   | 85.   |         |

|                  |        |  |  |  |    |      |        |      |  |       |         |       |         |
|------------------|--------|--|--|--|----|------|--------|------|--|-------|---------|-------|---------|
| 19/11/2012 21:30 | 0.0104 |  |  |  | 38 | 2,36 | 132,74 | 0    |  | 22,54 | 2,51    | 74,31 | 984,815 |
| 19/11/2012 22:30 | 0.0039 |  |  |  | 14 | 4,22 | 114,59 | 0    |  | 21,68 | 2,58    | 80,98 | 985,574 |
| 19/11/2012 23:30 | 0.0047 |  |  |  | 15 | 2,42 | 93,1   | 0    |  | 20,59 | 2,66    | 86,18 | 985,889 |
| 20/11/2012 00:30 | 0.005  |  |  |  | 7  | 2,43 | 68,97  | 0    |  | 19,76 | 2,65    | 89,06 | 985,824 |
| 20/11/2012 01:30 | 0.0043 |  |  |  | 17 | 1,98 | 50,42  | 0    |  | 19,41 | 2,67    | 88,7  | 985,47  |
| 20/11/2012 02:30 | 0.0059 |  |  |  | 15 | 1,55 | 22,53  | 0    |  | 18,78 | 2,48    | 89,56 | 985,202 |
| 20/11/2012 03:30 | 0.0072 |  |  |  | 14 | 0,58 | 47,38  | 0    |  | 18,17 | 2,38    | 90,61 | 985,189 |
| 20/11/2012 04:30 | 0.0075 |  |  |  | 16 | 0,36 | 108,08 | 0    |  | 17,51 | 2,36    | 91,42 | 985,33  |
| 20/11/2012 05:30 | 0.0077 |  |  |  | 14 | 0,43 | 66,04  | 0    |  | 16,8  | 24,32   | 92,42 | 985,783 |
| 20/11/2012 06:30 | 0.0075 |  |  |  | 14 | 0,87 | 45,12  | 0    |  | 17,01 | 197,17  | 92,76 | 986,313 |
| 20/11/2012 07:30 | 0.004  |  |  |  | 16 | 0,81 | 123    | 0    |  | 19,08 | 391,91  | 85,41 | 986,981 |
| 20/11/2012 08:30 | 0.0096 |  |  |  | 51 | 2,02 | 142,08 | 0    |  | 22,23 | 605,91  | 64,17 | 987,627 |
| 20/11/2012 09:30 | 0.0088 |  |  |  | 30 | 2,02 | 199,2  | 0    |  | 24,35 | 789,41  | 50,99 | 987,851 |
| 20/11/2012 10:30 | 0.0045 |  |  |  | 23 | 3,16 | 184,98 | 0    |  | 25,42 | 927,74  | 48,35 | 987,987 |
| 20/11/2012 11:30 | 0.0034 |  |  |  | 20 | 4,35 | 181,22 | 0    |  | 26,27 | 1018,55 | 48,04 | 987,96  |
| 20/11/2012 12:30 | 0.0043 |  |  |  | 36 | 3,98 | 170,65 | 0    |  | 26,84 | 782,18  | 49,09 | 987,576 |
| 20/11/2012 13:30 | 0.0034 |  |  |  | 29 | 3,98 | 183,11 | 0    |  | 27,2  | 790,18  | 48,05 | 987,125 |
| 20/11/2012 14:30 | 0.0033 |  |  |  | 21 | 4,54 | 186,53 | 0    |  | 27,94 | 970,72  | 45,04 | 986,897 |
| 20/11/2012 15:30 | 0.0036 |  |  |  | 22 | 4,49 | 184,05 | 0    |  | 28,08 | 671,54  | 45,01 | 986,344 |
| 20/11/2012 16:30 | 0.0047 |  |  |  | 33 | 3,97 | 156,38 | 0    |  | 28,01 | 473,79  | 45,83 | 985,941 |
| 20/11/2012 17:30 | 0.0046 |  |  |  | 26 | 3,92 | 134,99 | 0    |  | 28    | 328,96  | 46,96 | 985,82  |
| 20/11/2012 18:30 | 0.0038 |  |  |  | 28 | 3,81 | 124,03 | 0    |  | 27,15 | 119,02  | 52,04 | 985,954 |
| 20/11/2012 19:30 | 0.0047 |  |  |  | 30 | 4,17 | 117,64 | 0    |  | 24,97 | 6,28    | 62,68 | 986,256 |
| 20/11/2012 20:30 | 0.0046 |  |  |  | 26 | 3,95 | 89,81  | 0    |  | 23,53 | 2,6     | 70,25 | 986,735 |
| 20/11/2012 21:30 | 0.0057 |  |  |  | 23 | 4,72 | 78,24  | 0    |  | 22,33 | 2,55    | 75,08 | 987,069 |
| 20/11/2012 22:30 | 0.0041 |  |  |  | 17 | 5,21 | 75,83  | 0    |  | 21,49 | 2,78    | 79,45 | 987,316 |
| 20/11/2012 23:30 | 0.0051 |  |  |  | 17 | 3,88 | 61,61  | 0    |  | 20,6  | 2,97    | 81,84 | 987,385 |
| 21/11/2012 00:30 | 0.0043 |  |  |  | 18 | 3,94 | 63,56  | 0    |  | 19,87 | 2,74    | 81,56 | 987,088 |
| 21/11/2012 01:30 | 0.0054 |  |  |  | 18 | 2,63 | 73,28  | 0    |  | 19,01 | 2,4     | 84,77 | 986,934 |
| 21/11/2012 02:30 | 0.0056 |  |  |  | 22 | 2,76 | 87,72  | 0    |  | 18,29 | 2,2     | 87,5  | 986,646 |
| 21/11/2012 03:30 | 0.0062 |  |  |  | 23 | 2,55 | 64,24  | 0    |  | 17,83 | 2,26    | 88,51 | 986,998 |
| 21/11/2012 04:30 | 0.0057 |  |  |  | 19 | 2,04 | 71,78  | 0    |  | 17,37 | 2,13    | 89,12 | 987,451 |
| 21/11/2012 05:30 | 0.0052 |  |  |  | 15 | 2,5  | 27,72  | 0    |  | 17,1  | 23,79   | 90,49 | 987,93  |
| 21/11/2012 06:30 | 0.005  |  |  |  | 17 | 2,54 | 43,66  | 0    |  | 17,72 | 173,09  | 89,67 | 988,712 |
| 21/11/2012 07:30 | 0.0034 |  |  |  | 20 | 5,03 | 68,42  | 0    |  | 18,65 | 293,64  | 85,1  | 989,54  |
| 21/11/2012 08:30 | 0.0031 |  |  |  | 17 | 6,41 | 50,28  | 0    |  | 20,07 | 593,79  | 76,63 | 989,929 |
| 21/11/2012 09:30 | 0.0028 |  |  |  | 47 | 5,17 | 66     | 0    |  | 22,49 | 798,32  | 68,19 | 989,816 |
| 21/11/2012 10:30 | 0.0029 |  |  |  | 17 | 5,21 | 52,7   | 0    |  | 24,45 | 941,17  | 59,19 | 989,536 |
| 21/11/2012 11:30 | 0.0028 |  |  |  | 17 | 4,86 | 62,73  | 0    |  | 26,12 | 1021,82 | 53,41 | 989,162 |
| 21/11/2012 12:30 | 0.0029 |  |  |  | 18 | 5,63 | 53,82  | 0    |  | 27,42 | 1041,4  | 46,83 | 988,535 |
| 21/11/2012 13:30 | 0.0029 |  |  |  | 15 | 5,89 | 45,45  | 0    |  | 28,43 | 1006,11 | 42,98 | 987,681 |
| 21/11/2012 14:30 | 0.0028 |  |  |  | 43 | 5,23 | 46,34  | 0    |  | 28,99 | 901,22  | 42,55 | 987,05  |
| 21/11/2012 15:30 | 0.0029 |  |  |  | 15 | 5,65 | 66,82  | 0    |  | 29,58 | 744,2   | 40,95 | 986,416 |
| 21/11/2012 16:30 | 0.003  |  |  |  | 16 | 6,38 | 52,96  | 0    |  | 29,59 | 554,6   | 39,65 | 985,86  |
| 21/11/2012 17:30 | 0.0032 |  |  |  | 20 | 6,62 | 55,33  | 0    |  | 29,18 | 335,8   | 42,61 | 985,682 |
| 21/11/2012 18:30 | 0.0032 |  |  |  | 28 | 7,11 | 74,46  | 0    |  | 27,48 | 121,37  | 54,89 | 985,627 |
| 21/11/2012 19:30 | 0.0037 |  |  |  | 41 | 7,5  | 69,31  | 0    |  | 25,07 | 6,27    | 63,81 | 986,035 |
| 21/11/2012 20:30 | 0.0036 |  |  |  | 24 | 7,78 | 61,09  | 0    |  | 23,52 | 2,27    | 67,85 | 986,513 |
| 21/11/2012 21:30 | 0.0033 |  |  |  | 17 | 7,77 | 54,63  | 0    |  | 22,4  | 2,32    | 71,47 | 986,341 |
| 21/11/2012 22:30 | 0.0032 |  |  |  | 23 | 6,97 | 46,04  | 0    |  | 21,3  | 2,59    | 75,13 | 985,922 |
| 21/11/2012 23:30 | 0.0032 |  |  |  | 23 | 5,87 | 47,37  | 0    |  | 20,4  | 2,76    | 77,07 | 985,595 |
| 22/11/2012 00:30 | 0.0031 |  |  |  | 12 | 5,35 | 56,55  | 0    |  | 19,63 | 2,31    | 79,96 | 985,378 |
| 22/11/2012 01:30 | 0.0033 |  |  |  | 17 | 5,25 | 45,29  | 0    |  | 19,2  | 2,09    | 82,25 | 985,04  |
| 22/11/2012 02:30 | 0.0031 |  |  |  | 13 | 5,22 | 40,69  | 0    |  | 19,02 | 1,98    | 83,72 | 984,164 |
| 22/11/2012 03:30 | 0.003  |  |  |  | 21 | 5,26 | 44,91  | 0    |  | 18,99 | 2,01    | 83,75 | 983,596 |
| 22/11/2012 04:30 | 0.0031 |  |  |  | 16 | 6,85 | 54,02  | 0    |  | 18,93 | 1,98    | 83,78 | 983,487 |
| 22/11/2012 05:30 | 0.0033 |  |  |  | 13 | 6,53 | 45,71  | 0    |  | 19,07 | 20,86   | 83,56 | 983,598 |
| 22/11/2012 06:30 | 0.0029 |  |  |  | 19 | 7,08 | 47,22  | 0    |  | 20,04 | 178,83  | 80,74 | 984,103 |
| 22/11/2012 07:30 | 0.0031 |  |  |  | 22 | 7,41 | 33,98  | 0    |  | 21,72 | 380,93  | 74,93 | 984,274 |
| 22/11/2012 08:30 | 0.0033 |  |  |  | 30 | 8,6  | 29,75  | 0    |  | 23,76 | 600,79  | 67,71 | 984,222 |
| 22/11/2012 09:30 | 0.0036 |  |  |  | 24 | 6,82 | 29,94  | 0    |  | 25,3  | 797,93  | 63,92 | 984,129 |
| 22/11/2012 10:30 | 0.0039 |  |  |  | 29 | 6,37 | 21,95  | 0    |  | 26,84 | 815,89  | 60,38 | 983,712 |
| 22/11/2012 11:30 | 0.0044 |  |  |  | 31 | 6,25 | 12,41  | 0    |  | 28,19 | 898,22  | 56,77 | 983,43  |
| 22/11/2012 12:30 | 0.0037 |  |  |  | 29 | 5,1  | 20,46  | 0    |  | 29,17 | 677,45  | 54,69 | 982,715 |
| 22/11/2012 13:30 | 0.0044 |  |  |  | 34 | 5,02 | 12,85  | 0    |  | 30,33 | 818,18  | 52,02 | 981,857 |
| 22/11/2012 14:30 | 0.0044 |  |  |  | 35 | 5,41 | 8,8    | 0    |  | 31,34 | 873,02  | 48,19 | 980,79  |
| 22/11/2012 15:30 | 0.0045 |  |  |  | 31 | 5,19 | 0,62   | 0    |  | 32    | 693,75  | 47,22 | 979,408 |
| 22/11/2012 16:30 | 0.006  |  |  |  | 38 | 4,13 | 352,02 | 0    |  | 31,89 | 302,53  | 48,9  | 978,674 |
| 22/11/2012 17:30 | 0.0083 |  |  |  | 94 | 3,81 | 41,13  | 0    |  | 30,15 | 30,59   | 56,57 | 978,82  |
| 22/11/2012 18:30 | 0.0041 |  |  |  | 26 | 9,49 | 224,03 | 52,4 |  | 22,7  | 4,57    | 86,33 | 981,453 |
| 22/11/2012 19:30 | 0.0041 |  |  |  | 15 | 7,73 | 192,5  | 1,6  |  | 21,15 | 5,13    | 88,3  | 982,74  |
| 22/11/2012 20:30 | 0.0048 |  |  |  | 23 | 2,39 | 121,76 | 0    |  | 21,32 | 2,21    | 86,87 | 983,228 |
| 22/11/2012 21:30 | 0.0076 |  |  |  | 14 | 4,78 | 30,08  | 0    |  | 21,36 | 2,2     | 87,6  | 982,24  |
| 22/11/2012 22:30 | 0.0045 |  |  |  | 23 | 2,6  | 4,1    | 0    |  | 21,62 | 2,27    | 88,35 | 981,714 |
| 22/11/2012 23:30 | 0.0038 |  |  |  | 18 | 4,94 | 339,48 | 0    |  | 21,67 | 2,23    | 86,84 | 982,882 |
| 23/11/2012 00:30 | 0.0041 |  |  |  | 7  | 2,28 | 359,56 | 0    |  | 21,57 | 2,25    | 84,75 | 981,909 |
| 23/11/2012 01:30 | 0.0038 |  |  |  | 9  | 1,97 | 349,47 | 0    |  | 20,92 | 2,24    | 88,25 | 981,134 |
| 23/11/2012 02:30 | 0.004  |  |  |  | 15 | 1,48 | 300,1  | 0    |  | 20,5  | 2,22    | 89,92 | 981,242 |
| 23/11/2012 03:30 | 0.0044 |  |  |  | 22 | 2,73 | 211,08 | 0    |  | 19,96 | 2,2     | 91,03 | 981,588 |
| 23/11/2012 04:30 | 0.0052 |  |  |  | 27 | 1,27 | 235,56 | 0    |  | 19,52 | 2,19    | 91,92 | 981,684 |
| 23/11/2012 05:30 | 0.0064 |  |  |  | 16 | 0,86 | 208,7  | 0    |  | 18,97 | 15,74   | 92,34 | 981,756 |
| 23/11/2012 06:30 | 0.0083 |  |  |  | 17 | 0,84 | 297,11 | 0    |  | 18,87 | 71,76   | 92,47 | 982,642 |
| 23/11/2012 07:30 | 0.0055 |  |  |  | 22 | 2,29 | 228,73 | 0    |  | 19,17 | 113,4   | 90,55 | 983,141 |
| 23/11/2012 08:30 | 0.0049 |  |  |  | 15 | 3,6  | 186,51 | 0    |  | 19,67 | 156,49  | 87,41 | 983,505 |
| 23/11/2012 09:30 | 0.0042 |  |  |  | 16 | 4,48 | 174,5  | 0    |  | 20,64 | 452,04  | 84,08 | 983,25  |
| 23/11/2012 10:30 | 0.0035 |  |  |  | 12 | 3,38 | 169,98 | 0    |  | 21,78 | 482,7   | 79,87 | 983,072 |
| 23/11/2012 11:30 | 0.0037 |  |  |  | 12 | 2,17 | 175,99 | 0    |  | 23,14 | 508,01  | 73,92 | 982,793 |
| 23/11/2012 12:30 | 0.0033 |  |  |  | 17 | 2,06 | 159,42 | 0    |  | 24,13 | 599,31  | 71,53 | 982,641 |
| 23/11/2012 13:30 | 0.0036 |  |  |  | 14 | 1,56 | 157,16 | 0    |  | 24,91 | 375,69  | 68,75 | 982,128 |
| 23/11/2012 14:30 | 0.0052 |  |  |  | 30 | 2,37 | 181,06 | 0    |  | 24,53 | 117,62  | 71,54 | 981,613 |
| 23/11/2012 15:30 | 0.0044 |  |  |  | 27 | 4,15 | 178,03 | 0    |  | 24,13 | 149,36  | 74,66 | 981,321 |
| 23/11/2012 16:30 | 0.0049 |  |  |  | 25 | 5,1  | 175,66 | 0    |  | 23,97 | 259,43  | 75,85 | 981,066 |
| 23/11/2012 17:30 | 0.0069 |  |  |  | 21 | 5,87 | 167,8  | 0    |  | 23,11 | 70,73   | 78,56 | 980,829 |
| 23/11/2012 18:30 | 0.0078 |  |  |  | 22 | 5,71 | 151,63 | 0    |  | 22,71 | 61,62   | 79,01 | 980,976 |
| 23/11/2012 19:30 | 0.0034 |  |  |  | 19 | 5,09 | 146,32 | 0    |  | 22,12 | 6,3     | 80,16 | 981,84  |
| 23/11/2012 20:30 | 0.0032 |  |  |  | 16 | 5,6  | 142,25 | 0    |  | 21,62 | 2,24    | 79,74 | 982,412 |
| 23/11/2012 21:30 | 0.0031 |  |  |  | 23 | 5,94 | 142,77 | 0    |  | 21,11 | 2,19    | 80,73 | 983,302 |
| 23/11/2012 22:30 | 0.0036 |  |  |  | 22 | 6,2  |        |      |  |       |         |       |         |

|                  |        |  |  |  |    |      |        |     |  |       |         |  |       |         |
|------------------|--------|--|--|--|----|------|--------|-----|--|-------|---------|--|-------|---------|
| 24/11/2012 17:30 | 0.0041 |  |  |  | 34 | 4.97 | 161.2  | 0   |  | 25    | 350.62  |  | 37.46 | 987.34  |
| 24/11/2012 18:30 | 0.0051 |  |  |  | 34 | 4.04 | 158.74 | 0   |  | 24.12 | 140.31  |  | 42.41 | 987.499 |
| 24/11/2012 19:30 | 0.0047 |  |  |  | 18 | 1.85 | 125.29 | 0   |  | 21.69 | 8.14    |  | 58.46 | 987.765 |
| 24/11/2012 20:30 | 0.0057 |  |  |  | 17 | 2.35 | 52.3   | 0   |  | 20.52 | 2.25    |  | 60.31 | 988.636 |
| 24/11/2012 21:30 | 0.0054 |  |  |  | 20 | 1.56 | 55.24  | 0   |  | 19.1  | 2.37    |  | 66.62 | 989.468 |
| 24/11/2012 22:30 | 0.0065 |  |  |  | 23 | 1.65 | 16.87  | 0   |  | 18.72 | 2.87    |  | 63.37 | 989.872 |
| 24/11/2012 23:30 | 0.0064 |  |  |  | 18 | 1.85 | 20.25  | 0   |  | 17.53 | 2.42    |  | 70.78 | 989.831 |
| 25/11/2012 00:30 | 0.0048 |  |  |  | 10 | 2.74 | 84.33  | 0   |  | 16.84 | 2.76    |  | 76.19 | 989.753 |
| 25/11/2012 01:30 | 0.0086 |  |  |  | 23 | 3.67 | 148.22 | 0   |  | 16.5  | 2.55    |  | 77.64 | 990.177 |
| 25/11/2012 02:30 | 0.0044 |  |  |  | 26 | 3.47 | 141.88 | 0   |  | 16.22 | 2.38    |  | 79.28 | 990.235 |
| 25/11/2012 03:30 | 0.0046 |  |  |  | 22 | 1.55 | 111.3  | 0   |  | 15.58 | 2.5     |  | 81.3  | 990.318 |
| 25/11/2012 04:30 | 0.005  |  |  |  | 21 | 1.07 | 123.69 | 0   |  | 14.91 | 3.1     |  | 85.39 | 990.725 |
| 25/11/2012 05:30 | 0.0075 |  |  |  | 26 | 2.73 | 145.35 | 0   |  | 15.12 | 23.9    |  | 85.25 | 991.32  |
| 25/11/2012 06:30 | 0.003  |  |  |  | 20 | 3.01 | 123.04 | 0   |  | 16.46 | 183.82  |  | 85.46 | 991.942 |
| 25/11/2012 07:30 | 0.0029 |  |  |  | 22 | 3.87 | 116.23 | 0   |  | 17.93 | 413.04  |  | 78.9  | 992.699 |
| 25/11/2012 08:30 | 0.0028 |  |  |  | 26 | 4.97 | 117.3  | 0   |  | 19.34 | 608.48  |  | 70.56 | 993.038 |
| 25/11/2012 09:30 | 0.0031 |  |  |  | 23 | 2.99 | 99.97  | 0   |  | 21    | 785.83  |  | 62.68 | 993.142 |
| 25/11/2012 10:30 | 0.0033 |  |  |  | 24 | 2.98 | 126.75 | 0   |  | 21.74 | 841.09  |  | 60.31 | 992.925 |
| 25/11/2012 11:30 | 0.0034 |  |  |  | 38 | 2.91 | 142.24 | 0   |  | 22.69 | 1131.53 |  | 56.4  | 992.614 |
| 25/11/2012 12:30 | 0.004  |  |  |  | 45 | 2.66 | 133.33 | 0   |  | 23.38 | 1048.64 |  | 52.91 | 992.161 |
| 25/11/2012 13:30 | 0.0047 |  |  |  | 47 | 2.79 | 164.89 | 0   |  | 23.99 | 1109.03 |  | 48.35 | 991.696 |
| 25/11/2012 14:30 | 0.0048 |  |  |  | 47 | 3.45 | 170.28 | 0   |  | 24.48 | 969.88  |  | 45.14 | 991.101 |
| 25/11/2012 15:30 | 0.0046 |  |  |  | 45 | 4.09 | 153.44 | 0   |  | 24.65 | 772.15  |  | 43.68 | 990.467 |
| 25/11/2012 16:30 | 0.0048 |  |  |  | 41 | 3.88 | 168.39 | 0   |  | 24.79 | 569.68  |  | 43.26 | 990.211 |
| 25/11/2012 17:30 | 0.0029 |  |  |  | 25 | 3.84 | 137.86 | 0   |  | 24.59 | 350.27  |  | 43.27 | 989.91  |
| 25/11/2012 18:30 | 0.0032 |  |  |  | 26 | 4.88 | 129.96 | 0   |  | 23.66 | 128.13  |  | 47.99 | 989.902 |
| 25/11/2012 19:30 | 0.0033 |  |  |  | 27 | 6.97 | 107.56 | 0.8 |  | 21.19 | 7.94    |  | 58.79 | 989.995 |
| 25/11/2012 20:30 | 0.0033 |  |  |  | 23 | 5.58 | 95.71  | 0   |  | 19.53 | 2.08    |  | 63.73 | 990.622 |
| 25/11/2012 21:30 | 0.0061 |  |  |  | 23 | 6.24 | 91.96  | 0   |  | 18.63 | 2.06    |  | 70.46 | 991.512 |
| 25/11/2012 22:30 | 0.0048 |  |  |  | 24 | 5.48 | 82.22  | 0   |  | 17.73 | 2.4     |  | 75.4  | 992.047 |
| 25/11/2012 23:30 | 0.0033 |  |  |  | 21 | 5.36 | 82.34  | 0   |  | 17.05 | 2.18    |  | 77.67 | 991.974 |
| 26/11/2012 00:30 | 0.0035 |  |  |  | 18 | 4.61 | 76.54  | 0   |  | 16.69 | 2.36    |  | 79.05 | 991.871 |
| 26/11/2012 01:30 | 0.0036 |  |  |  | 20 | 3.15 | 75.64  | 0   |  | 16.15 | 2.31    |  | 81.71 | 991.414 |
| 26/11/2012 02:30 | 0.0033 |  |  |  | 18 | 3.06 | 63.28  | 0   |  | 15.92 | 2.15    |  | 82.03 | 990.824 |
| 26/11/2012 03:30 | 0.0033 |  |  |  | 15 | 2.74 | 73.81  | 0   |  | 15.74 | 2.07    |  | 82.97 | 990.601 |
| 26/11/2012 04:30 | 0.0035 |  |  |  | 18 | 3.55 | 56.15  | 0   |  | 15.6  | 2.05    |  | 83.53 | 990.359 |
| 26/11/2012 05:30 | 0.0037 |  |  |  | 15 | 1.99 | 69.59  | 0   |  | 15.51 | 21.92   |  | 84.44 | 990.753 |
| 26/11/2012 06:30 | 0.0033 |  |  |  | 15 | 2.71 | 42.37  | 0   |  | 16.85 | 186.01  |  | 80.02 | 991.462 |
| 26/11/2012 07:30 | 0.0028 |  |  |  | 22 | 5.68 | 38.87  | 0   |  | 19.27 | 403.18  |  | 71.09 | 991.495 |
| 26/11/2012 08:30 | 0.0032 |  |  |  | 22 | 5.99 | 29.1   | 0   |  | 21.39 | 617.24  |  | 62.91 | 991.452 |
| 26/11/2012 09:30 | 0.0037 |  |  |  | 23 | 5.2  | 11.02  | 0   |  | 22.9  | 803.34  |  | 56.25 | 991.337 |
| 26/11/2012 10:30 | 0.0038 |  |  |  | 20 | 4.03 | 357.1  | 0   |  | 24.25 | 945.9   |  | 50.43 | 990.992 |
| 26/11/2012 11:30 | 0.0034 |  |  |  | 16 | 2.33 | 325.17 | 0   |  | 25.58 | 1003.69 |  | 41.56 | 990.415 |
| 26/11/2012 12:30 | 0.0034 |  |  |  | 21 | 2.11 | 317.78 | 0   |  | 26.61 | 1049.19 |  | 40.83 | 989.66  |
| 26/11/2012 13:30 | 0.003  |  |  |  | 16 | 1.92 | 33.31  | 0   |  | 27.56 | 1015.8  |  | 38.23 | 988.958 |
| 26/11/2012 14:30 | 0.0032 |  |  |  | 18 | 1.81 | 173.33 | 0   |  | 28.2  | 926.34  |  | 36.72 | 988.258 |
| 26/11/2012 15:30 | 0.0039 |  |  |  | 49 | 2.25 | 153.04 | 0   |  | 28.48 | 722.48  |  | 36.37 | 987.373 |
| 26/11/2012 16:30 | 0.004  |  |  |  | 35 | 2.97 | 181.97 | 0   |  | 28.6  | 560.45  |  | 35.53 | 986.736 |
| 26/11/2012 17:30 | 0.0053 |  |  |  | 29 | 3.38 | 149.6  | 0   |  | 28.44 | 355.18  |  | 36.55 | 986.39  |
| 26/11/2012 18:30 | 0.0043 |  |  |  | 24 | 3.73 | 158.06 | 0   |  | 27.27 | 140.57  |  | 40.43 | 986.457 |
| 26/11/2012 19:30 | 0.004  |  |  |  | 28 | 4.58 | 107.74 | 0   |  | 24.77 | 10.15   |  | 56.66 | 986.552 |
| 26/11/2012 20:30 | 0.004  |  |  |  | 22 | 4.45 | 92.36  | 0   |  | 23.01 | 1.58    |  | 65.52 | 986.944 |
| 26/11/2012 21:30 | 0.0048 |  |  |  | 31 | 3.73 | 83.57  | 0   |  | 22.07 | 1.74    |  | 74.13 | 987.39  |
| 26/11/2012 22:30 | 0.0045 |  |  |  | 28 | 3.41 | 71.41  | 0   |  | 21.34 | 2.05    |  | 77.17 | 987.473 |
| 26/11/2012 23:30 | 0.0046 |  |  |  | 28 | 3.49 | 61.58  | 0   |  | 20.66 | 2.18    |  | 78.83 | 987.579 |
| 27/11/2012 00:30 | 0.004  |  |  |  | 27 | 3.98 | 61.8   | 0   |  | 20.12 | 2.08    |  | 79.63 | 987.034 |
| 27/11/2012 01:30 | 0.0039 |  |  |  | 23 | 3.78 | 60.54  | 0   |  | 19.65 | 1.84    |  | 81.69 | 986.472 |
| 27/11/2012 02:30 | 0.0043 |  |  |  | 27 | 2.9  | 44.69  | 0   |  | 19.21 | 1.78    |  | 83.34 | 986.007 |
| 27/11/2012 03:30 | 0.0038 |  |  |  | 21 | 2.04 | 34.26  | 0   |  | 18.79 | 1.99    |  | 84.24 | 985.601 |
| 27/11/2012 04:30 | 0.0035 |  |  |  | 21 | 2.7  | 32.63  | 0   |  | 18.76 | 2.45    |  | 83.76 | 985.479 |
| 27/11/2012 05:30 | 0.0043 |  |  |  | 24 | 3.57 | 23.7   | 0   |  | 19.22 | 28.29   |  | 79.33 | 985.514 |
| 27/11/2012 06:30 | 0.0071 |  |  |  | 21 | 4.13 | 15.79  | 0   |  | 20.28 | 170.24  |  | 73.17 | 985.834 |
| 27/11/2012 07:30 | 0.0054 |  |  |  | 23 | 4.25 | 9.06   | 0   |  | 22.15 | 342.54  |  | 63.91 | 985.597 |
| 27/11/2012 08:30 | 0.0043 |  |  |  | 21 | 7.01 | 357.33 | 0   |  | 24.28 | 638.3   |  | 51.38 | 985.401 |
| 27/11/2012 09:30 | 0.0041 |  |  |  | 17 | 5.95 | 1.3    | 0   |  | 26.24 | 850.84  |  | 43.9  | 984.941 |
| 27/11/2012 10:30 | 0.0044 |  |  |  | 21 | 4.89 | 339.82 | 0   |  | 27.43 | 949     |  | 41.09 | 984.319 |
| 27/11/2012 11:30 | 0.004  |  |  |  | 24 | 3.91 | 296.2  | 0   |  | 28.38 | 1026.73 |  | 38.18 | 983.729 |
| 27/11/2012 12:30 | 0.004  |  |  |  | 16 | 3.73 | 273.62 | 0   |  | 28.95 | 1048.36 |  | 36.15 | 982.89  |
| 27/11/2012 13:30 | 0.004  |  |  |  | 16 | 3.08 | 277.31 | 0   |  | 29.54 | 1010.41 |  | 35.9  | 981.866 |
| 27/11/2012 14:30 | 0.004  |  |  |  | 26 | 3.4  | 245.71 | 0   |  | 30.03 | 912.46  |  | 34.51 | 981.069 |
| 27/11/2012 15:30 | 0.0041 |  |  |  | 16 | 3.72 | 244.51 | 0   |  | 30.3  | 764.62  |  | 33.67 | 980.415 |
| 27/11/2012 16:30 | 0.0058 |  |  |  | 32 | 3.33 | 261.6  | 0   |  | 30.36 | 570.51  |  | 33.01 | 979.567 |
| 27/11/2012 17:30 | 0.0052 |  |  |  | 26 | 4.03 | 260.01 | 0   |  | 30.13 | 354.12  |  | 33.35 | 978.972 |
| 27/11/2012 18:30 | 0.0062 |  |  |  | 24 | 3.15 | 272.2  | 0   |  | 29.36 | 137.95  |  | 35.69 | 978.729 |
| 27/11/2012 19:30 | 0.0086 |  |  |  | 24 | 3.03 | 295.07 | 0   |  | 26.59 | 8.59    |  | 48.08 | 978.806 |
| 27/11/2012 20:30 | 0.0072 |  |  |  | 32 | 3.57 | 299.57 | 0   |  | 24.78 | 1.59    |  | 54.58 | 978.839 |
| 27/11/2012 21:30 | 0.0077 |  |  |  | 23 | 2.92 | 294.07 | 0   |  | 23.61 | 1.55    |  | 58.48 | 979.315 |
| 27/11/2012 22:30 | 0.0193 |  |  |  | 49 | 0.71 | 39.83  | 0   |  | 22.4  | 1.78    |  | 67.09 | 979.911 |
| 27/11/2012 23:30 | 0.0128 |  |  |  | 45 | 1.5  | 42.45  | 0   |  | 21.99 | 2       |  | 68.15 | 980.05  |
| 28/11/2012 00:30 | 0.0053 |  |  |  | 21 | 3.3  | 92.17  | 0   |  | 21.51 | 1.93    |  | 67.26 | 980.43  |
| 28/11/2012 01:30 | 0.0044 |  |  |  | 24 | 4.21 | 81.95  | 0   |  | 21.22 | 1.89    |  | 65.88 | 980.413 |
| 28/11/2012 02:30 | 0.0051 |  |  |  | 18 | 3.01 | 49.48  | 0   |  | 20.41 | 1.84    |  | 70.37 | 979.824 |
| 28/11/2012 03:30 | 0.0041 |  |  |  | 17 | 3.48 | 23.72  | 0   |  | 20.39 | 1.63    |  | 70.05 | 979.532 |
| 28/11/2012 04:30 | 0.006  |  |  |  | 12 | 3.26 | 7.47   | 0   |  | 19.82 | 1.63    |  | 72.84 | 979.566 |
| 28/11/2012 05:30 | 0.008  |  |  |  | 17 | 3.61 | 8.07   | 0   |  | 19.52 | 22.2    |  | 73.73 | 979.695 |
| 28/11/2012 06:30 | 0.0068 |  |  |  | 25 | 2.57 | 25.32  | 0   |  | 21.4  | 187.77  |  | 64.96 | 980.273 |
| 28/11/2012 07:30 | 0.0056 |  |  |  | 21 | 2.73 | 23.85  | 0   |  | 23.82 | 402.36  |  | 56.62 | 981.001 |
| 28/11/2012 08:30 | 0.0045 |  |  |  | 23 | 3.86 | 13.39  | 0   |  | 26.22 | 611.51  |  | 49.11 | 981.631 |
| 28/11/2012 09:30 | 0.0046 |  |  |  | 24 | 4.37 | 358.98 | 0   |  | 27.79 | 796.07  |  | 44.68 | 981.925 |
| 28/11/2012 10:30 | 0.004  |  |  |  | 24 | 4.28 | 333.95 | 0   |  | 29.06 | 938.59  |  | 41.03 | 982.016 |
| 28/11/2012 11:30 | 0.0043 |  |  |  | 18 | 3.65 | 314.34 | 0   |  | 30.13 | 1052.78 |  | 37.67 | 981.958 |
| 28/11/2012 12:30 | 0.0039 |  |  |  | 21 | 3.04 | 258.58 | 0   |  | 30.86 | 1124.05 |  | 34.46 | 981.773 |
| 28/11/2012 13:30 | 0.0055 |  |  |  | 25 | 2.94 | 233.67 | 0   |  | 30.17 | 360.18  |  | 36.74 | 981.225 |
| 28/11/2012 14:30 | 0.0037 |  |  |  | 23 | 1.99 | 151.56 | 0   |  | 30.3  | 467.23  |  | 36.62 | 981.034 |
| 28/11/2012 15:30 | 0.0036 |  |  |  |    |      |        |     |  |       |         |  |       |         |

|                  |        |  |  |    |      |        |  |     |  |       |  |        |  |       |  |         |
|------------------|--------|--|--|----|------|--------|--|-----|--|-------|--|--------|--|-------|--|---------|
| 29/11/2012 13:30 | 0,0036 |  |  | 41 | 7,96 | 89,23  |  | 1,2 |  | 27,24 |  | 821,44 |  | 59,58 |  | 988,632 |
| 29/11/2012 14:30 | 0,0033 |  |  | 50 | 8,22 | 86,92  |  | 1   |  | 27,57 |  | 812,26 |  | 57,86 |  | 988,169 |
| 29/11/2012 15:30 | 0,0035 |  |  | 41 | 8,39 | 88,91  |  | 6,2 |  | 27,67 |  | 697,48 |  | 56,98 |  | 987,466 |
| 29/11/2012 16:30 | 0,0031 |  |  | 39 | 8,64 | 88,66  |  | 2   |  | 27,29 |  | 480,3  |  | 57,61 |  | 986,965 |
| 29/11/2012 17:30 | 0,0036 |  |  | 38 | 9,36 | 92,53  |  | 3,6 |  | 26,22 |  | 326,05 |  | 61,98 |  | 986,619 |
| 29/11/2012 18:30 | 0,0044 |  |  | 33 | 9,64 | 87,55  |  | 6,2 |  | 24,95 |  | 160,83 |  | 66,53 |  | 986,994 |
| 29/11/2012 19:30 | 0,0031 |  |  | 28 | 9,25 | 86,32  |  | 3,4 |  | 23,33 |  | 11,08  |  | 71,13 |  | 987,794 |
| 29/11/2012 20:30 | 0,0029 |  |  | 27 | 8,38 | 79,14  |  | 0,8 |  | 22,52 |  | 1,56   |  | 72,07 |  | 988,24  |
| 29/11/2012 21:30 | 0,0032 |  |  | 24 | 8,14 | 81,68  |  | 0   |  | 21,96 |  | 2,08   |  | 74,31 |  | 988,321 |
| 29/11/2012 22:30 | 0,0032 |  |  | 24 | 6,06 | 68,67  |  | 0   |  | 21,71 |  | 2,12   |  | 76,22 |  | 988,564 |
| 29/11/2012 23:30 | 0,0031 |  |  | 23 | 6,42 | 73,02  |  | 0   |  | 21,56 |  | 2,14   |  | 78,4  |  | 988,664 |
| 30/11/2012 00:30 | 0,0031 |  |  | 13 | 6,53 | 71,65  |  | 0   |  | 21,37 |  | 2,17   |  | 79,83 |  | 988,072 |
| 30/11/2012 01:30 | 0,0031 |  |  | 19 | 5,96 | 74,73  |  | 0   |  | 21,06 |  | 2,09   |  | 81,77 |  | 987,677 |
| 30/11/2012 02:30 | 0,0031 |  |  | 19 | 6,12 | 72,04  |  | 0   |  | 21    |  | 2,29   |  | 82,33 |  | 986,803 |
| 30/11/2012 03:30 | 0,0033 |  |  | 27 | 7,57 | 63,49  |  | 0   |  | 21,38 |  | 2,09   |  | 81,34 |  | 986,448 |
| 30/11/2012 04:30 | 0,0028 |  |  | 19 | 8,09 | 55,9   |  | 0   |  | 22,03 |  | 2,07   |  | 79,89 |  | 986,463 |
| 30/11/2012 05:30 | 0,003  |  |  | 25 | 7,89 | 41,84  |  | 0   |  | 22,41 |  | 16,05  |  | 79,35 |  | 986,337 |
| 30/11/2012 06:30 | 0,0031 |  |  | 20 | 7,54 | 46,96  |  | 0   |  | 22,74 |  | 134,54 |  | 79,31 |  | 986,613 |
| 30/11/2012 07:30 | 0,0031 |  |  | 26 | 8,16 | 44,48  |  | 0   |  | 23,84 |  | 345,13 |  | 75,64 |  | 987,297 |
| 30/11/2012 08:30 | 0,0032 |  |  | 28 | 9    | 39,63  |  | 0   |  | 25,11 |  | 522,22 |  | 69,7  |  | 987,428 |
| 30/11/2012 09:30 | 0,0035 |  |  | 30 | 8,29 | 29,92  |  | 0   |  | 26,69 |  | 758,59 |  | 62,81 |  | 987,47  |
| 30/11/2012 10:30 | 0,0035 |  |  | 31 | 7,41 | 24,77  |  | 0   |  | 27,61 |  | 765,17 |  | 59,43 |  | 987,15  |
| 30/11/2012 11:30 | 0,0036 |  |  | 30 | 6,72 | 20,44  |  | 0   |  | 28,95 |  | 980,53 |  | 55,01 |  | 986,733 |
| 30/11/2012 12:30 | 0,0039 |  |  | 31 | 5,89 | 5,36   |  | 0   |  | 29,57 |  | 778,05 |  | 51,48 |  | 985,962 |
| 30/11/2012 13:30 | 0,0045 |  |  | 28 | 4,96 | 4,33   |  | 0   |  | 29,7  |  | 490,08 |  | 51,45 |  | 985,496 |
| 30/11/2012 14:30 | 0,005  |  |  | 32 | 4,69 | 339,49 |  | 0   |  | 29,84 |  | 602,3  |  | 52,13 |  | 984,993 |
| 30/11/2012 15:30 | 0,0046 |  |  | 25 | 3,8  | 2,88   |  | 0   |  | 30,15 |  | 382,14 |  | 51,28 |  | 984,041 |
| 30/11/2012 16:30 | 0,006  |  |  | 41 | 4,4  | 351,47 |  | 0   |  | 30,27 |  | 363,82 |  | 51,08 |  | 983,337 |
| 30/11/2012 17:30 | 0,0056 |  |  | 27 | 3,67 | 347,64 |  | 0   |  | 30,1  |  | 252,53 |  | 51,76 |  | 982,84  |
| 30/11/2012 18:30 | 0,0062 |  |  | 39 | 3,14 | 349,66 |  | 0   |  | 29,59 |  | 100,64 |  | 54,31 |  | 982,578 |
| 30/11/2012 19:30 | 0,0121 |  |  | 49 | 1,98 | 2,29   |  | 0   |  | 28,06 |  | 7,64   |  | 62,54 |  | 982,888 |
| 30/11/2012 20:30 | 0,0098 |  |  | 46 | 1,7  | 229,01 |  | 0   |  | 27,12 |  | 1,93   |  | 67,03 |  | 983,212 |
| 30/11/2012 21:30 | 0,0062 |  |  | 12 | 1,81 | 204,71 |  | 0   |  | 26,28 |  | 1,71   |  | 69,43 |  | 983,911 |
| 30/11/2012 22:30 | 0,0077 |  |  | 20 | 1    | 303,54 |  | 0   |  | 26    |  | 1,6    |  | 72,49 |  | 984,365 |
| 30/11/2012 23:30 | 0,0075 |  |  | 27 | 1,8  | 225,65 |  | 0,4 |  | 25,7  |  | 1,79   |  | 74,55 |  | 984,928 |